

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060889.D
 Acq On : 21 Feb 2019 18:52
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Feb 22 07:47:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2060583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.96	114	2907407	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	2198859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1210818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	1127079	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
35) Dibromofluoromethane	6.66	113	1623824	72.96	ug/l	0.00
Spiked Amount			Recovery	=	145.92%	
50) Toluene-d8	10.18	98	4183379	75.72	ug/l	0.00
Spiked Amount			Recovery	=	151.44%	
62) 4-Bromofluorobenzene	13.35	95	1453923	61.77	ug/l	0.00
Spiked Amount			Recovery	=	123.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	1553443	53.084	ug/l	99
3) Chloromethane	1.73	50	883994	47.692	ug/l	99
4) Vinyl Chloride	1.83	62	841404	54.248	ug/l	98
5) Bromomethane	2.12	94	188256	22.816	ug/l	99
6) Chloroethane	2.22	64	223358	30.075	ug/l	100
7) Trichlorofluoromethane	2.47	101	1207824	36.878	ug/l	99
8) Diethyl Ether	2.78	74	498577	93.941	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.04	101	1496505	83.201	ug/l	97
10) Methyl Iodide	3.20	142	2508259	117.442	ug/l	98
11) Tert butyl alcohol	3.88	59	331489	291.364	ug/l	99
12) 1,1-Dichloroethene	3.02	96	1268204	98.041	ug/l	99
13) Acrolein	2.94	56	598736	546.239	ug/l	99
14) Allyl chloride	3.48	41	2198689	75.625	ug/l	98
15) Acrylonitrile	4.02	53	1165726	280.008	ug/l	100
16) Acetone	3.11	43	1405340	314.687	ug/l	98
17) Carbon Disulfide	3.27	76	5054703	106.084	ug/l	99
18) Methyl Acetate	3.49	43	572172	76.491	ug/l	96
19) Methyl tert-butyl Ether	4.05	73	2604792	59.713	ug/l	98
20) Methylene Chloride	3.66	84	1627272	58.339	ug/l	98
21) trans-1,2-Dichloroethene	4.03	96	1459366	67.509	ug/l	98
22) Diisopropyl ether	4.86	45	4082954	52.342	ug/l	97
23) Vinyl Acetate	4.80	43	11525071	249.553	ug/l	98
24) 1,1-Dichloroethane	4.74	63	2303042	54.955	ug/l	100
25) 2-Butanone	5.81	43	1862790	280.979	ug/l	99
26) 2,2-Dichloropropane	5.77	77	2102373	53.443	ug/l	99
27) cis-1,2-Dichloroethene	5.78	96	1604942	71.696	ug/l	98
28) Bromochloromethane	6.18	49	1029542	57.587	ug/l	95
29) Tetrahydrofuran	6.20	42	915281	277.802	ug/l	98
30) Chloroform	6.40	83	2755311	62.477	ug/l	97
31) Cyclohexane	6.70	56	1949948	55.422	ug/l	98
32) 1,1,1-Trichloroethane	6.61	97	2094521	54.152	ug/l	99
36) 1,1-Dichloropropene	6.89	75	1910539	53.909	ug/l	99
37) Ethyl Acetate	5.91	43	884727	48.658	ug/l	99
38) Carbon Tetrachloride	6.86	117	1726310	47.660	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.61	83	2194789	63.735	ug/l	96
40) Benzene	7.19	78	5355277	66.833	ug/l	99
41) Methacrylonitrile	6.18	41	494189m	39.836	ug/l	
42) 1,2-Dichloroethane	7.32	62	1295151	42.064	ug/l	99
43) Isopropyl Acetate	8.99	43	1146308	49.626	ug/l	99
44) Trichloroethene	8.29	130	1603299	67.174	ug/l	95
45) 1,2-Dichloropropane	8.69	63	1188048	55.537	ug/l	100
46) Dibromomethane	8.82	93	864884	63.048	ug/l	94
47) Bromodichloromethane	9.12	83	1904815	55.492	ug/l	98
48) Methyl methacrylate	8.87	41	747373	48.011	ug/l	96
49) 1,4-Dioxane	8.83	88	172775	1496.726	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	3812577	256.201	ug/l	100
52) Toluene	10.28	92	2972262	64.441	ug/l	100
53) t-1,3-Dichloropropene	10.68	75	1861070	60.581	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	2103576	59.696	ug/l	99
55) 1,1,2-Trichloroethane	10.96	97	922661	67.346	ug/l	96
56) Ethyl methacrylate	10.81	69	1046715	59.745	ug/l	98
57) 1,3-Dichloropropane	11.18	76	1555917	62.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.62	63	2651246	300.056	ug/l	100
59) 2-Hexanone	11.31	43	2717344	247.913	ug/l	100
60) Dibromochloromethane	11.47	129	1432832	64.907	ug/l	99
61) 1,2-Dibromoethane	11.59	107	1050984	64.739	ug/l	98
64) Tetrachloroethene	11.02	164	1457869	70.572	ug/l	98
65) Chlorobenzene	12.19	112	3016904	66.063	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	1222882	61.977	ug/l	98
67) Ethyl Benzene	12.31	91	5068799	58.870	ug/l	100
68) m/p-Xylenes	12.45	106	3612244	124.826	ug/l	99
69) o-Xylene	12.84	106	1737239	63.118	ug/l	97
70) Styrene	12.87	104	3007912	67.695	ug/l	98
71) Bromoform	13.02	173	981712	68.161	ug/l	98
73) Isopropylbenzene	13.20	105	4955430	56.089	ug/l	99
74) N-amyl acetate	13.06	43	1490173	46.467	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.50	83	1152063	65.826	ug/l	99
76) 1,2,3-Trichloropropane	13.52	75	1160066	58.182	ug/l	99
77) Bromobenzene	13.47	156	1605905	66.006	ug/l	99
78) n-propylbenzene	13.57	91	6345555	55.210	ug/l	99
79) 2-Chlorotoluene	13.63	91	3456706	54.349	ug/l	98
80) 1,3,5-Trimethylbenzene	14.04	105	3773673	51.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	357141	67.841	ug/l	95
82) 4-Chlorotoluene	13.74	91	3902598	53.987	ug/l	100
83) tert-Butylbenzene	13.99	119	4534432	55.584	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	3773673	51.503	ug/l	99
85) sec-Butylbenzene	14.16	105	5117681	57.298	ug/l	98
86) p-Isopropyltoluene	14.29	119	4532926	60.502	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	2893390	68.864	ug/l	99
88) 1,4-Dichlorobenzene	14.33	146	2800818	66.216	ug/l	99
89) n-Butylbenzene	14.60	91	4012487	52.432	ug/l	99
90) Hexachloroethane	14.80	117	1163786	57.680	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	2200542	61.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	154512	53.892	ug/l	95

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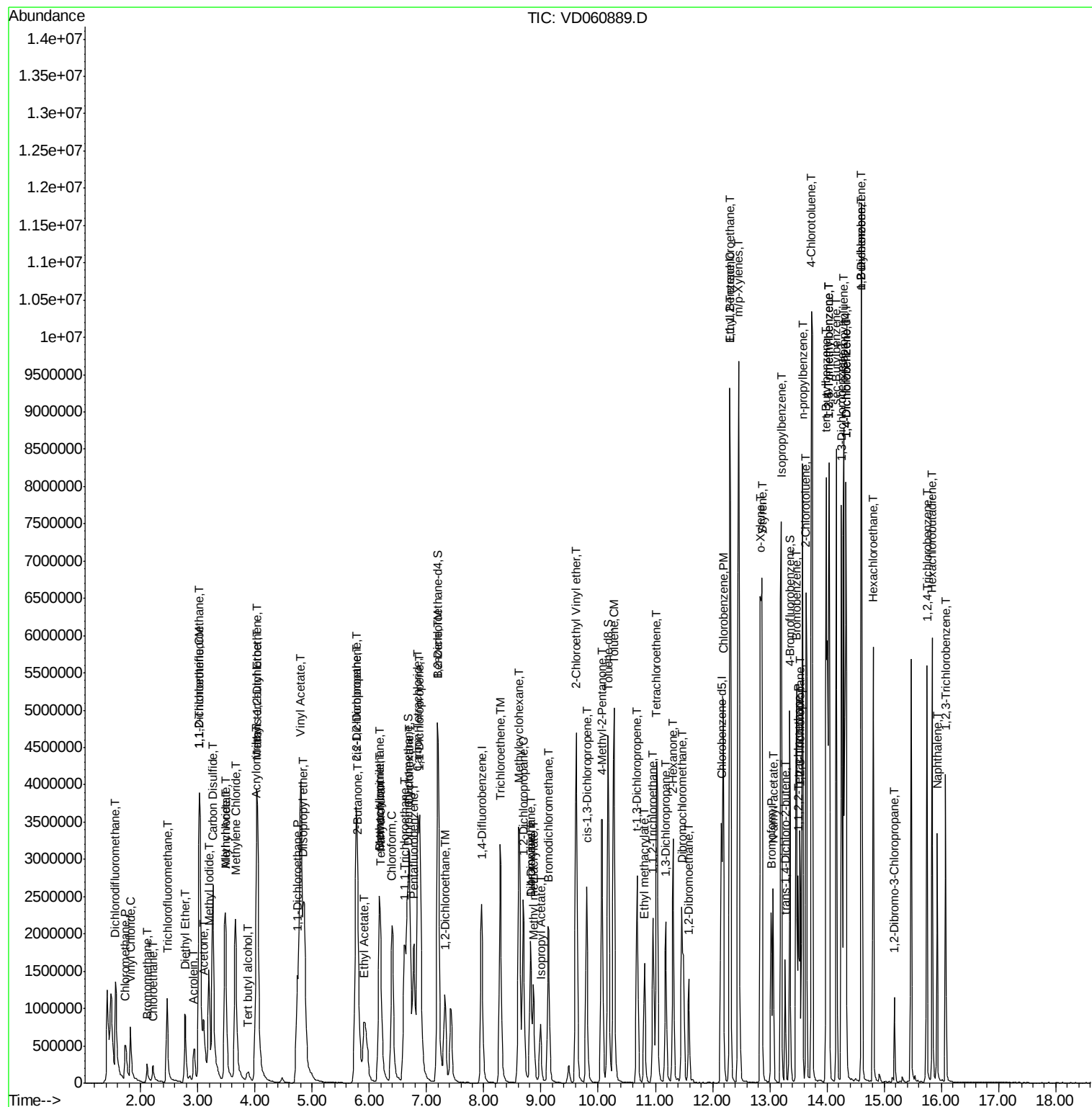
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1701858	57.263	ug/l	100
94) Hexachlorobutadiene	15.84	225	1014224	39.409	ug/l	99
95) Naphthalene	15.93	128	2085332	52.603	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	1122788	46.744	ug/l	99

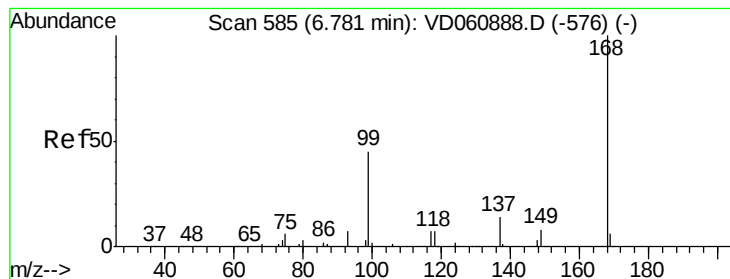
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.78 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

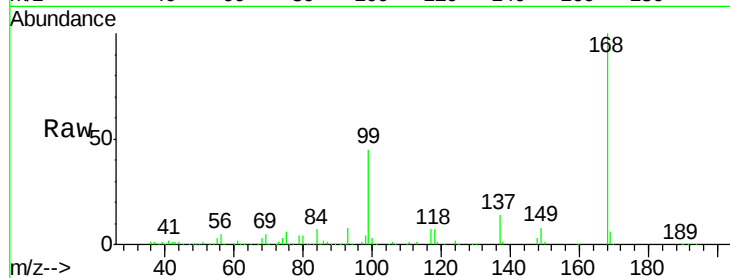
VSTDIC075

Tot Ion:168 Resp: 2060583

Ion Ratio Lower Upper

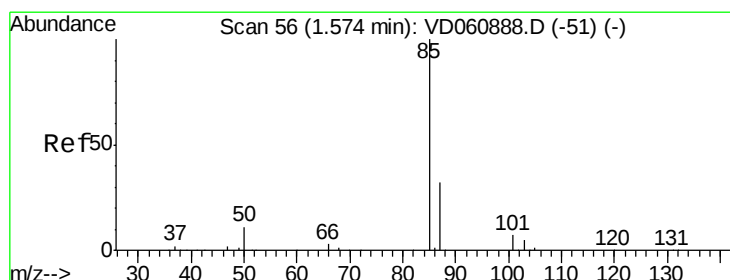
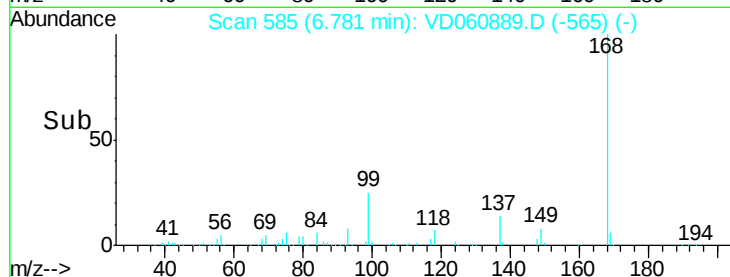
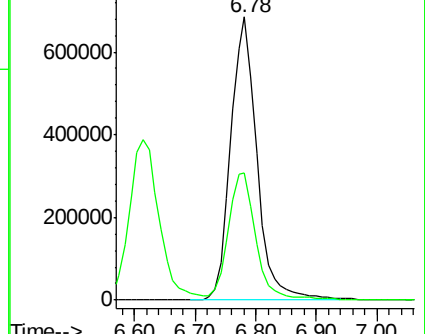
168 100

99 45.0 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.084 ug/l

RT: 1.56 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060889.D

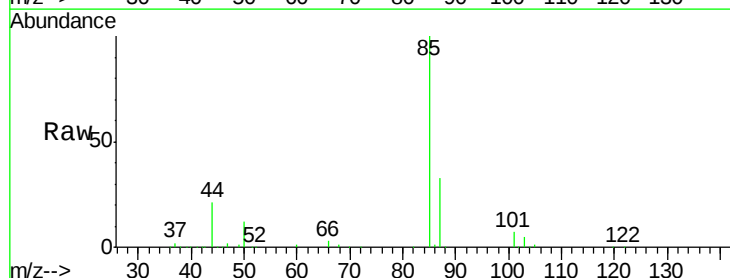
Acq: 21 Feb 2019 18:52

Tgt Ion: 85 Resp: 1553443

Ion Ratio Lower Upper

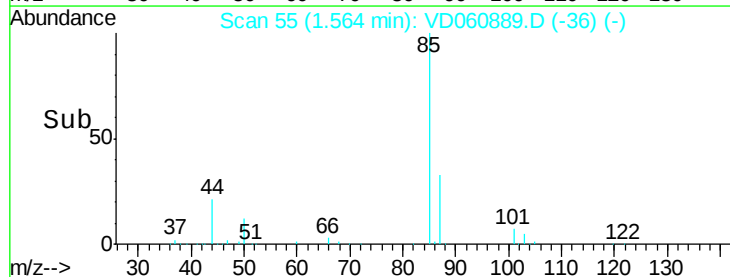
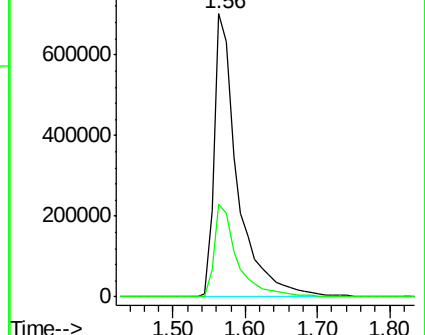
85 100

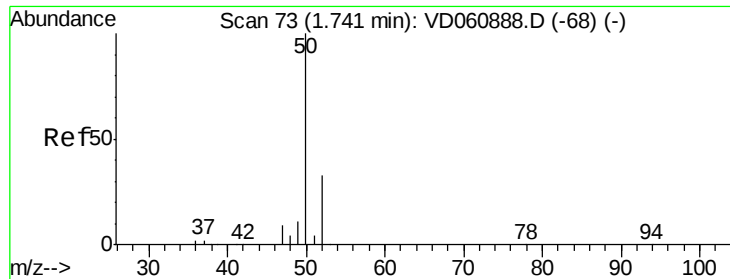
87 32.7 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.692 ug/l

RT: 1.73 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

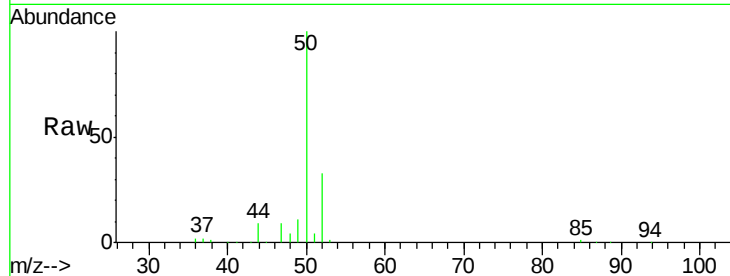
VSTDIC075

Tot Ion: 50 Resp: 883994

Ion Ratio Lower Upper

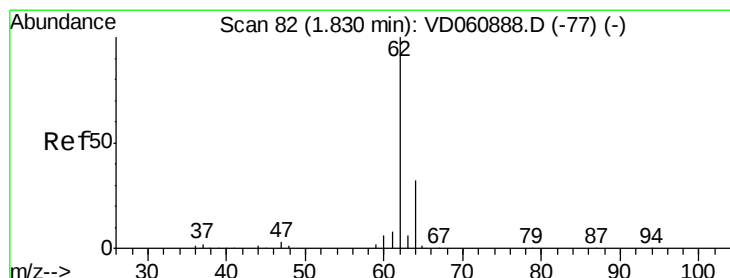
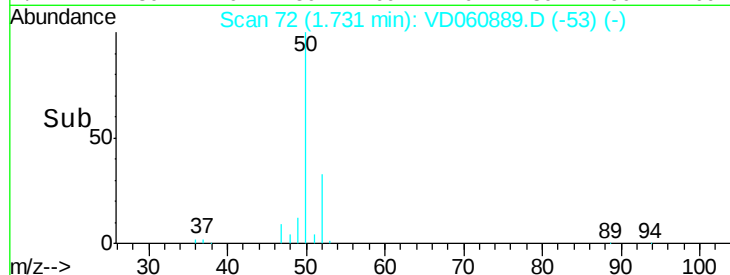
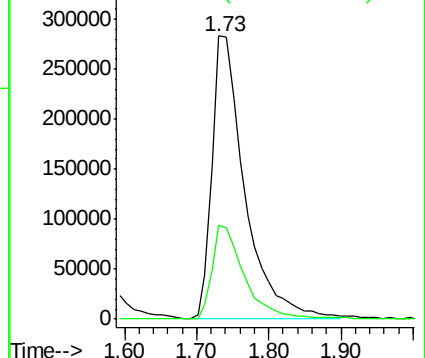
50 100

52 33.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.248 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.00 min

Lab File: VD060889.D

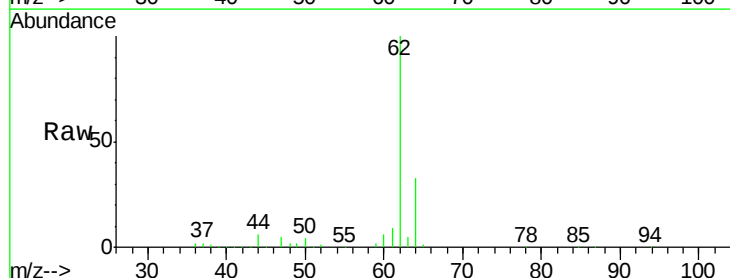
Acq: 21 Feb 2019 18:52

Tgt Ion: 62 Resp: 841404

Ion Ratio Lower Upper

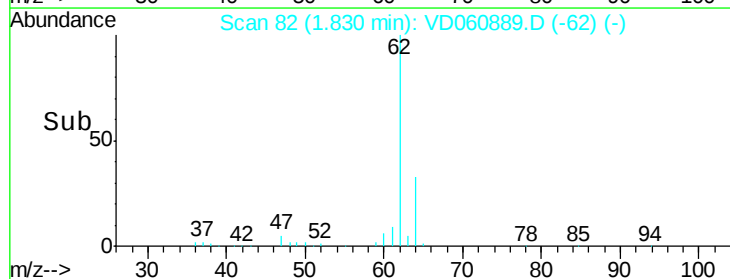
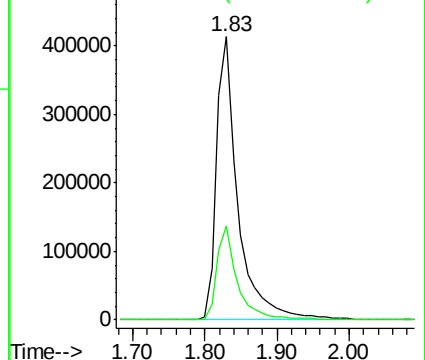
62 100

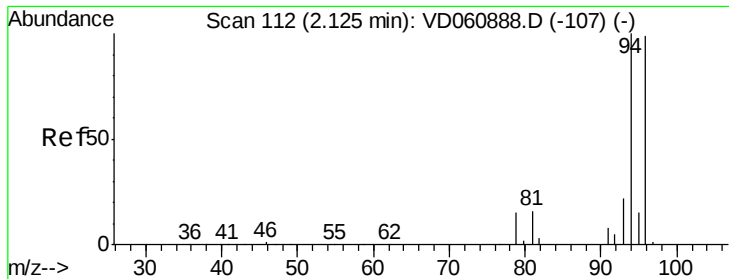
64 33.4 26.0 39.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 22.816 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

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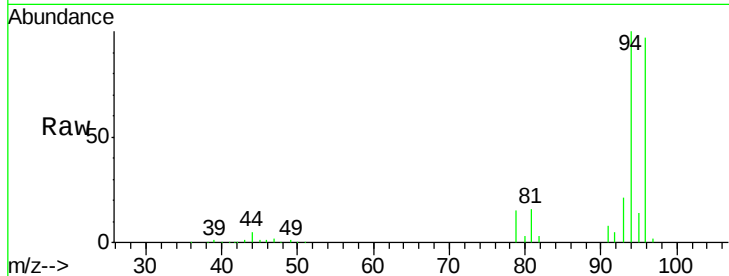
VSTDIC075

Tot Ion: 94 Resp: 188256

Ion Ratio Lower Upper

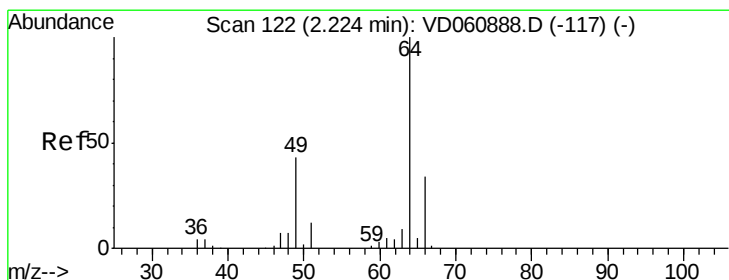
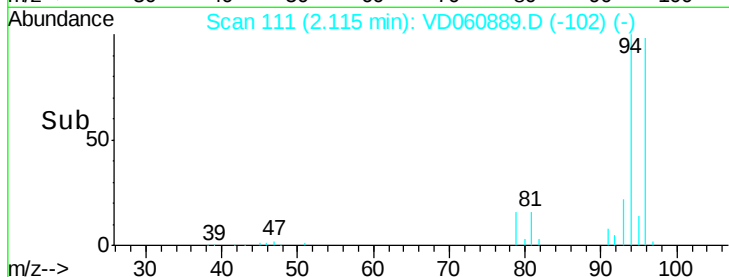
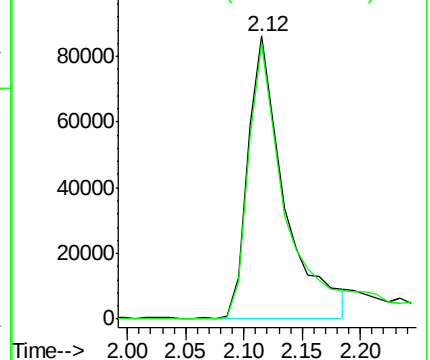
94 100

96 97.4 79.0 118.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 30.075 ug/l

RT: 2.22 min Scan# 122

Delta R.T. -0.00 min

Lab File: VD060889.D

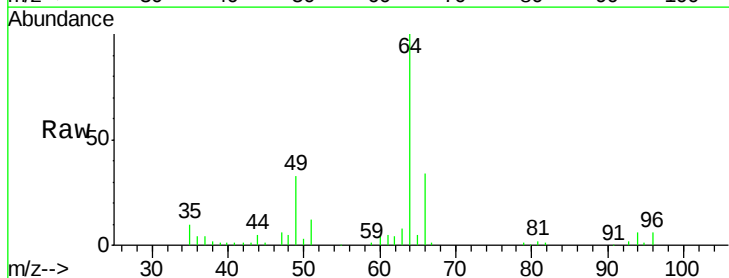
Acq: 21 Feb 2019 18:52

Tgt Ion: 64 Resp: 223358

Ion Ratio Lower Upper

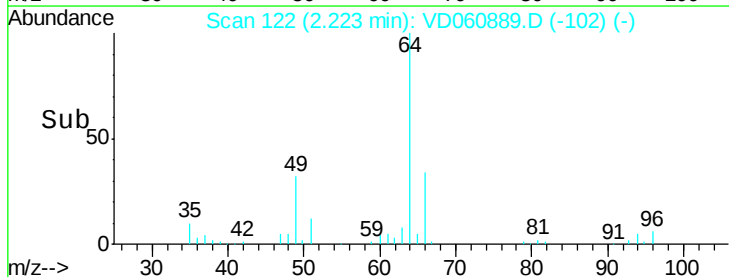
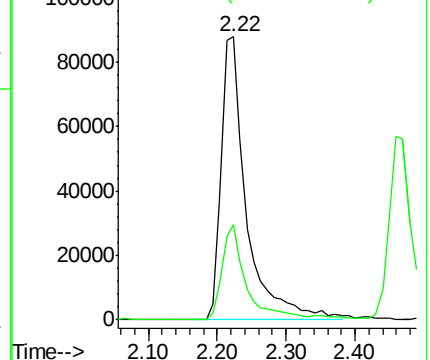
64 100

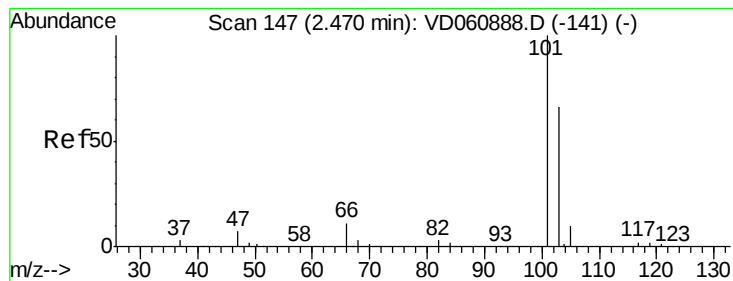
66 33.7 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



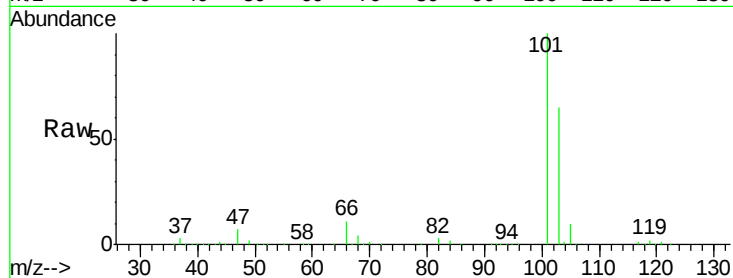


#7

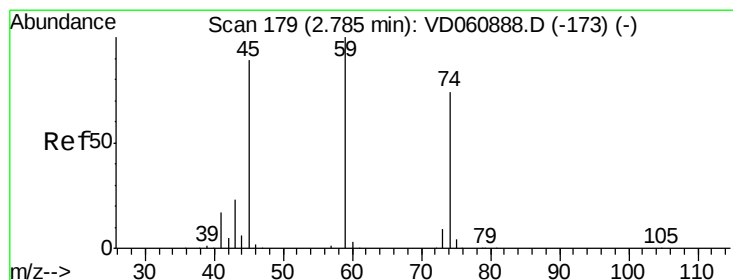
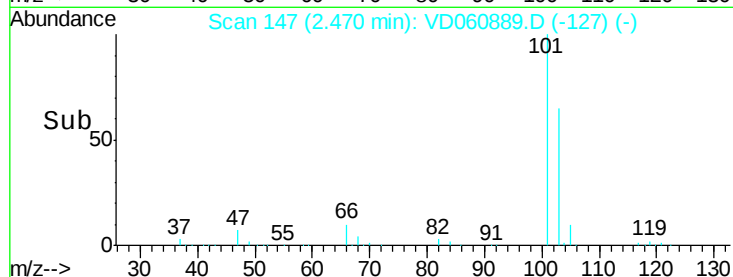
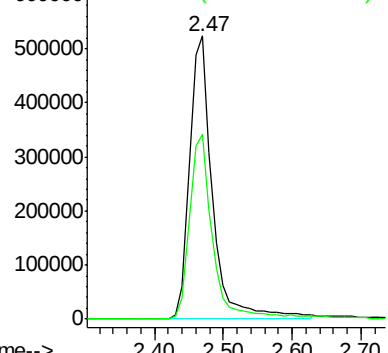
Trichlorofluoromethane
Concen: 36.878 ug/l
RT: 2.47 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD060889.D
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Tot Ion:101 Resp: 1207824
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0



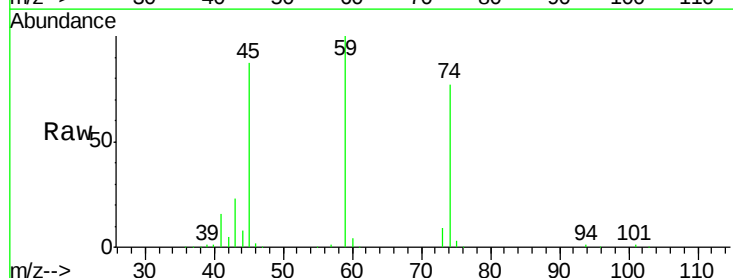
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



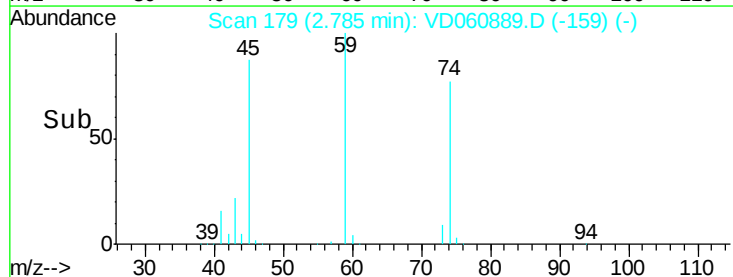
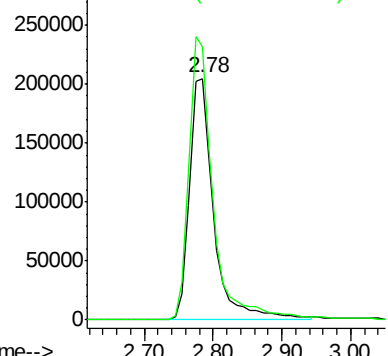
#8

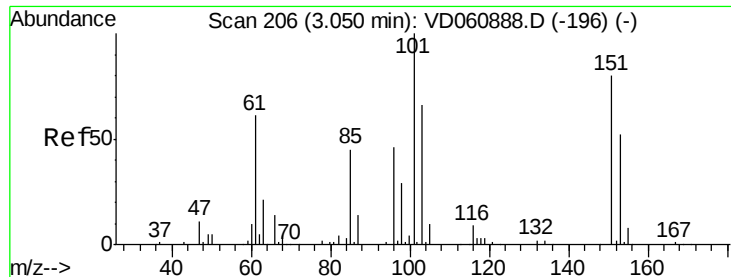
Diethyl Ether
Concen: 93.941 ug/l
RT: 2.78 min Scan# 179
Delta R.T. -0.00 min
Lab File: VD060889.D
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Tgt Ion: 74 Resp: 498577
Ion Ratio Lower Upper
74 100
45 113.3 60.2 180.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.201 ug/l

RT: 3.04 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

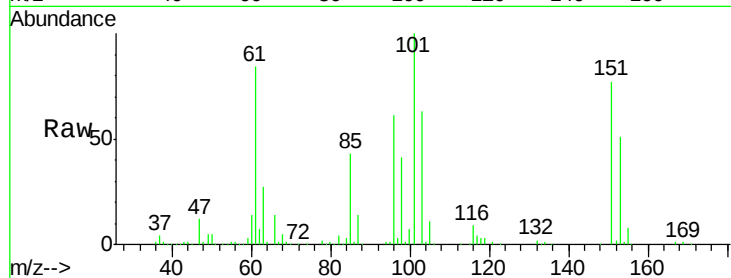
Tot Ion:101 Resp: 1496505

Ion Ratio Lower Upper

101 100

85 43.3 35.9 53.9

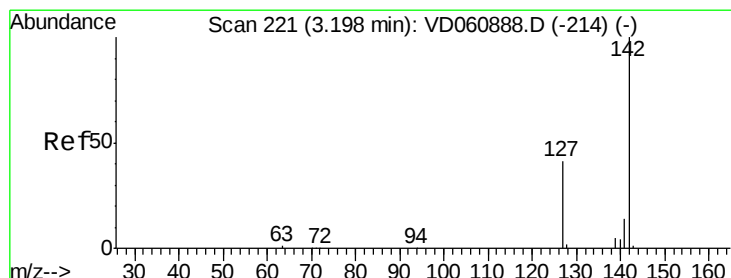
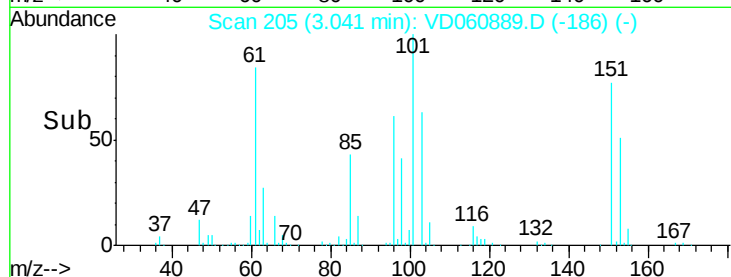
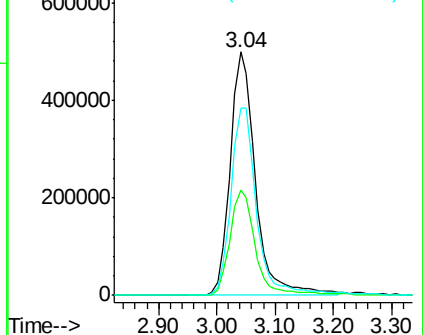
151 77.1 63.7 95.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 117.442 ug/l

RT: 3.20 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

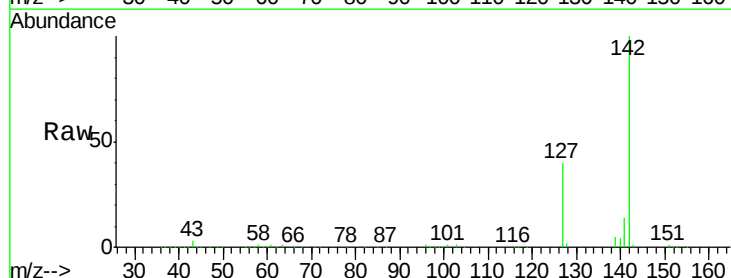
Tgt Ion:142 Resp: 2508259

Ion Ratio Lower Upper

142 100

127 39.9 33.0 49.4

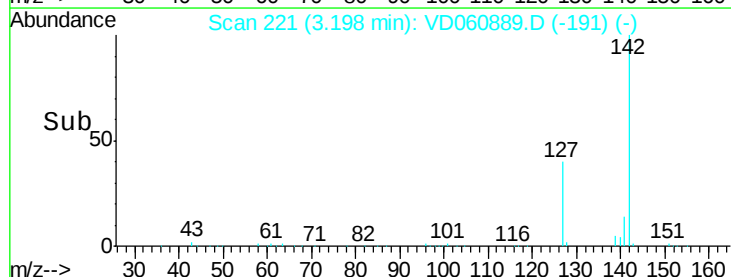
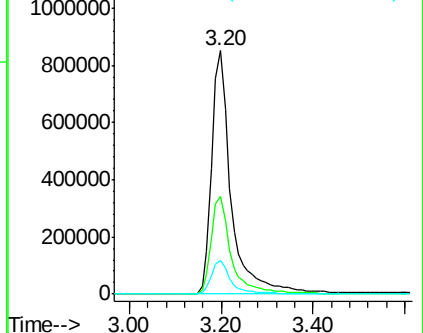
141 14.0 11.4 17.2

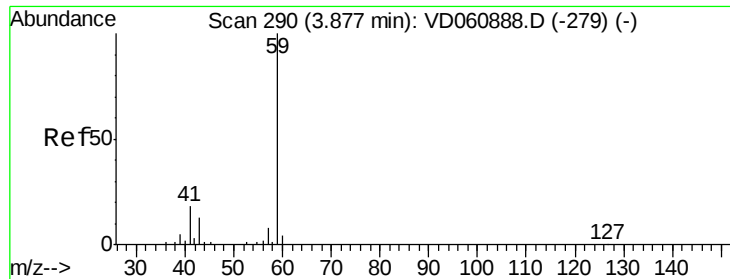


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



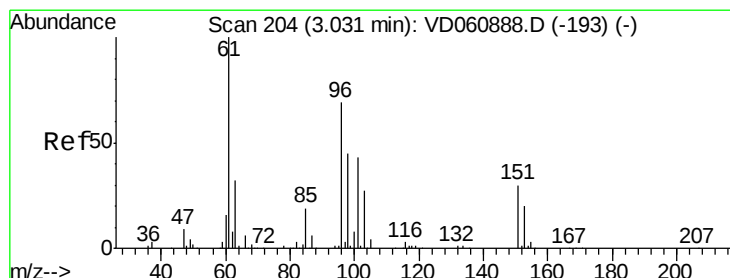
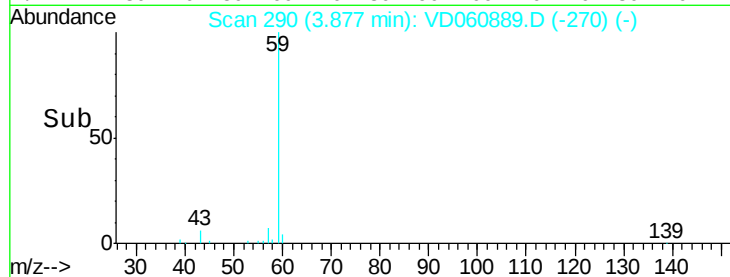
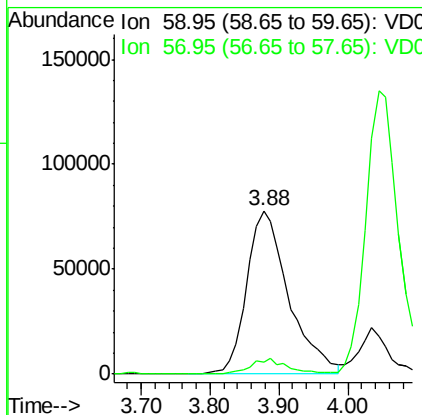
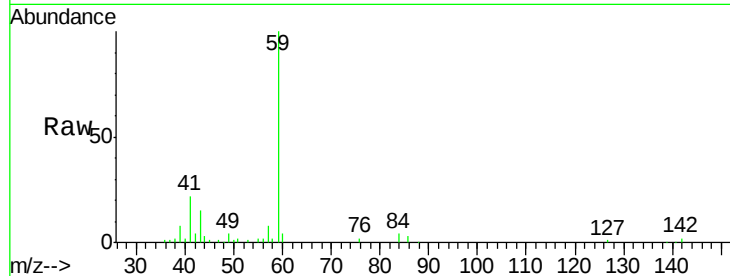


#11

Tert butyl alcohol
 Concen: 291.364 ug/l
 RT: 3.88 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

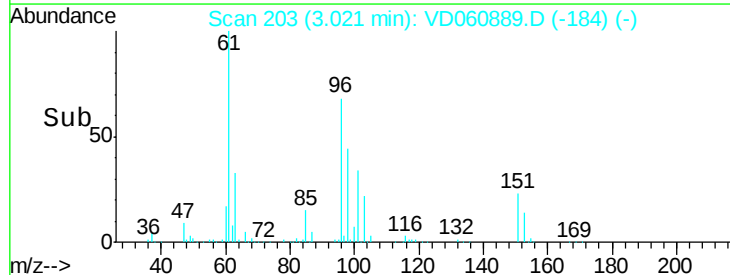
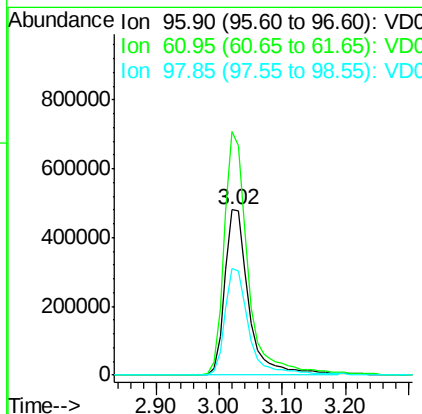
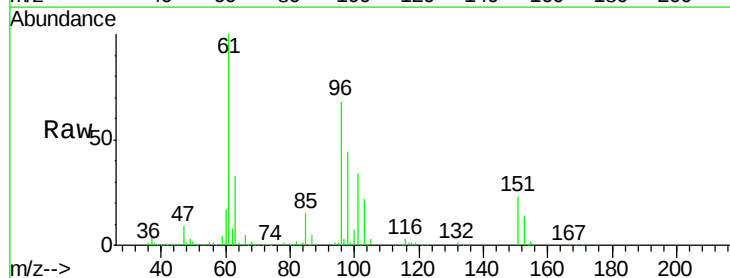
Tot Ion: 59 Resp: 331489
 Ion Ratio Lower Upper
 59 100
 57 7.5 6.3 9.5

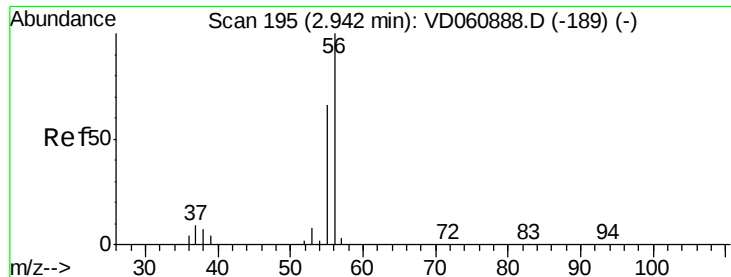


#12

1,1-Dichloroethene
 Concen: 98.041 ug/l
 RT: 3.02 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 96 Resp: 1268204
 Ion Ratio Lower Upper
 96 100
 61 147.6 116.1 174.1
 98 64.9 51.8 77.6





#13

Acrolein

Concen: 546.239 ug/l

RT: 2.94 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

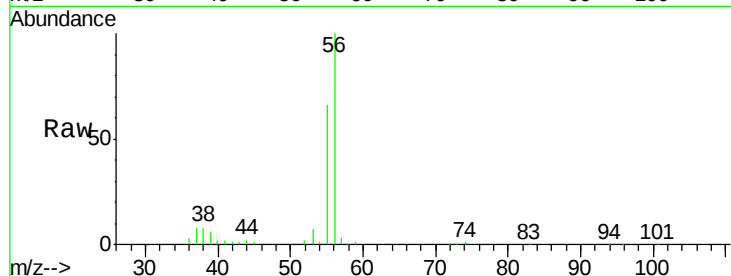
VSTDIC075

Tot Ion: 56 Resp: 598736

Ion Ratio Lower Upper

56 100

55 65.6 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

250000

200000

150000

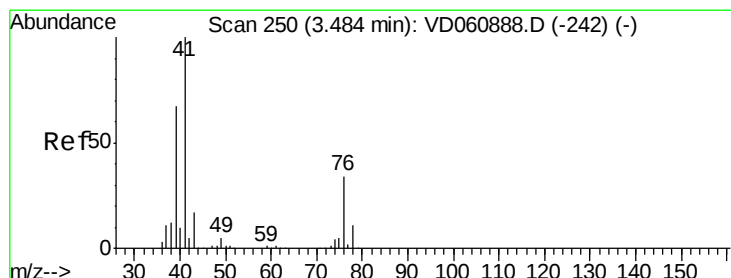
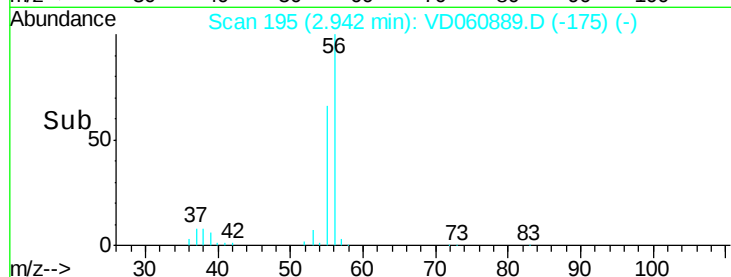
100000

50000

0

2.80 2.90 3.00 3.10

Time-->



#14

Allyl chloride

Concen: 75.625 ug/l

RT: 3.48 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

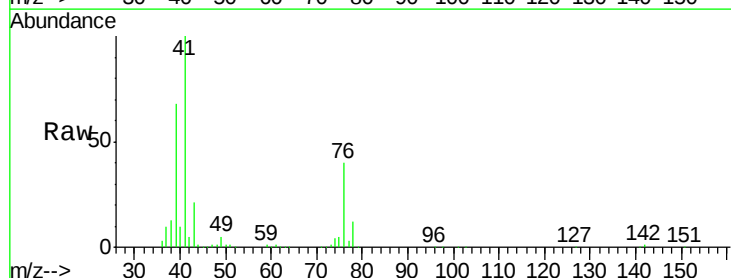
Tgt Ion: 41 Resp: 2198689

Ion Ratio Lower Upper

41 100

39 68.4 53.7 80.5

76 39.7 30.9 46.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2000000

1500000

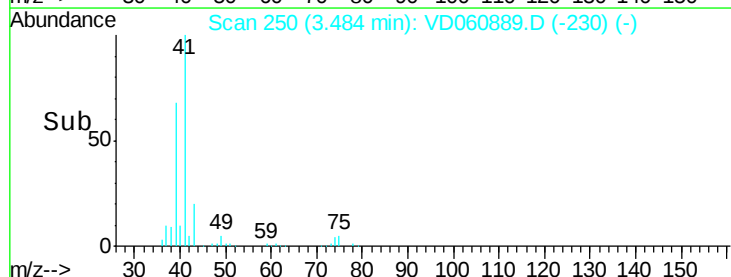
1000000

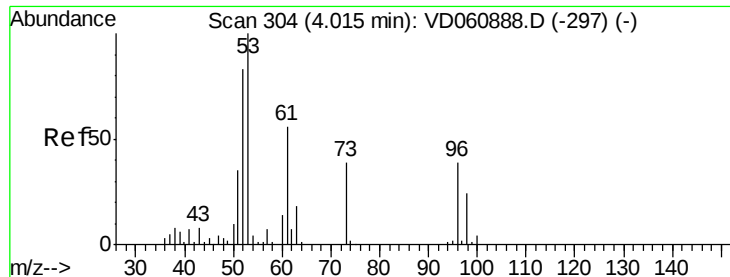
500000

0

3.30 3.40 3.50 3.60 3.70

Time-->





#15

Acrylonitrile

Concen: 280.008 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

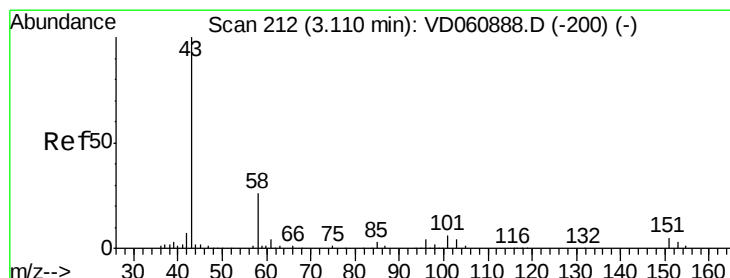
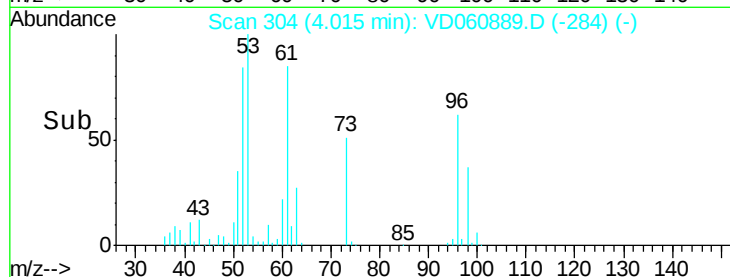
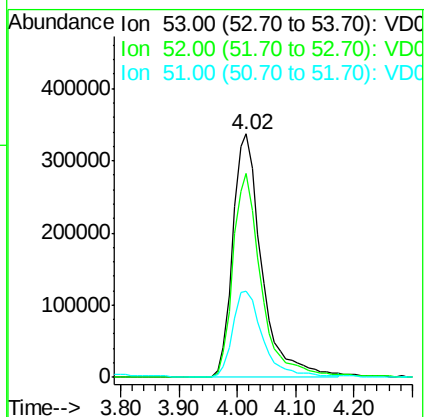
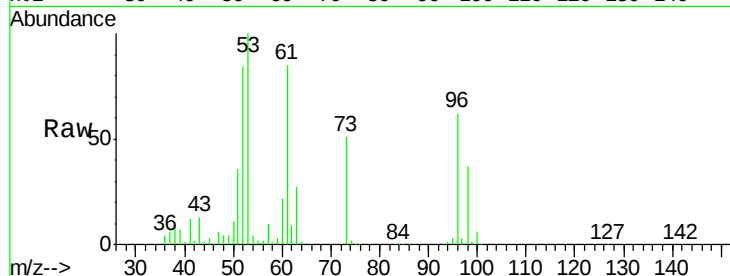
Tot Ion: 53 Resp: 1165726

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 35.6 28.4 42.6



#16

Acetone

Concen: 314.687 ug/l

RT: 3.11 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD060889.D

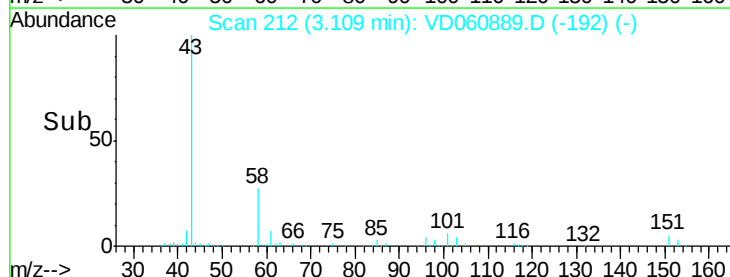
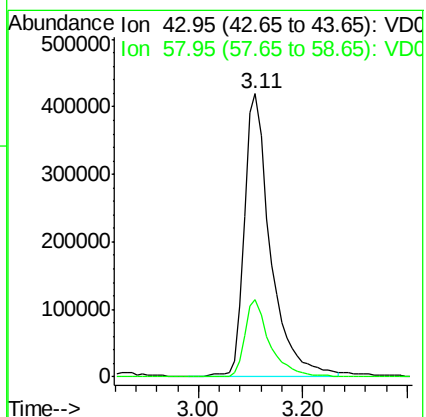
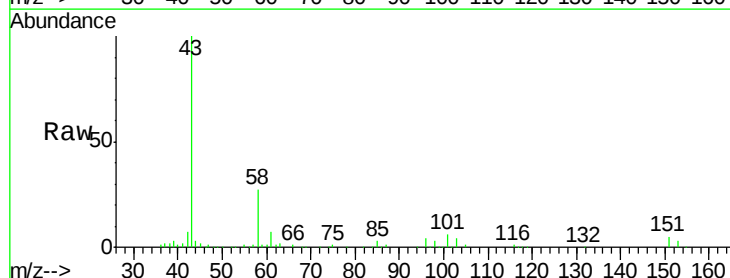
Acq: 21 Feb 2019 18:52

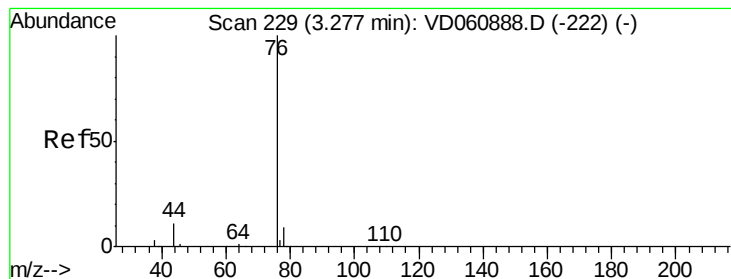
Tgt Ion: 43 Resp: 1405340

Ion Ratio Lower Upper

43 100

58 27.1 21.0 31.4





#17

Carbon Disulfide

Concen: 106.084 ug/l

RT: 3.27 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

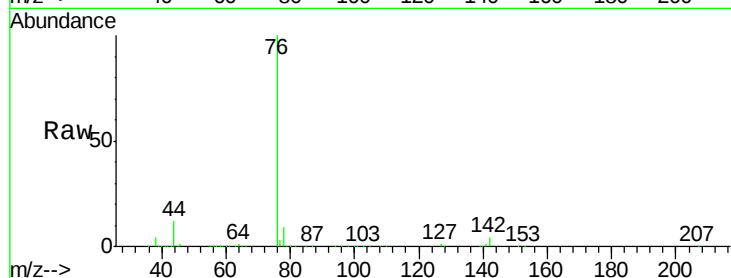
VSTDIC075

Tot Ion: 76 Resp: 5054703

Ion Ratio Lower Upper

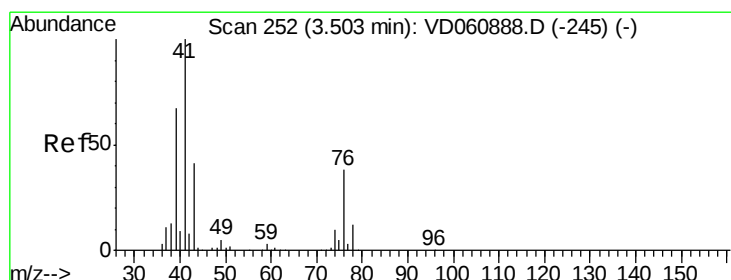
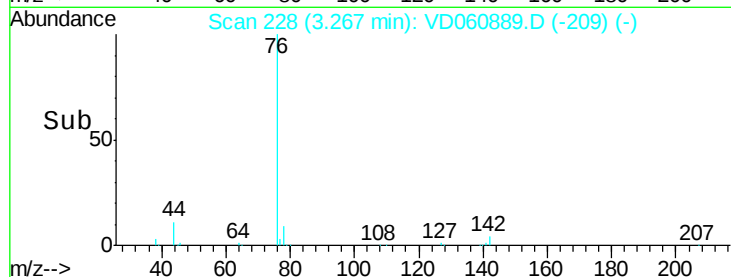
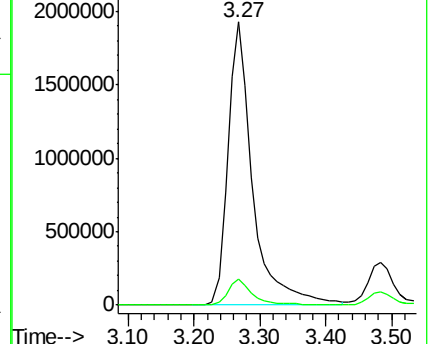
76 100

78 9.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 76.491 ug/l

RT: 3.49 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD060889.D

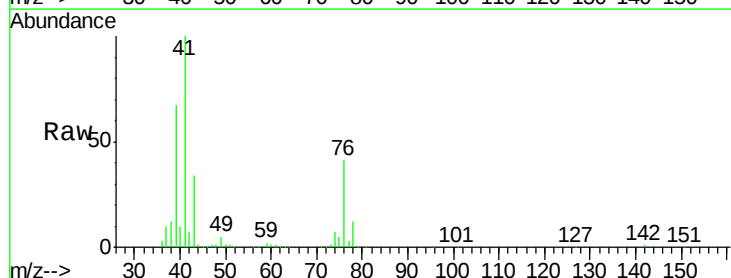
Acq: 21 Feb 2019 18:52

Tgt Ion: 43 Resp: 572172

Ion Ratio Lower Upper

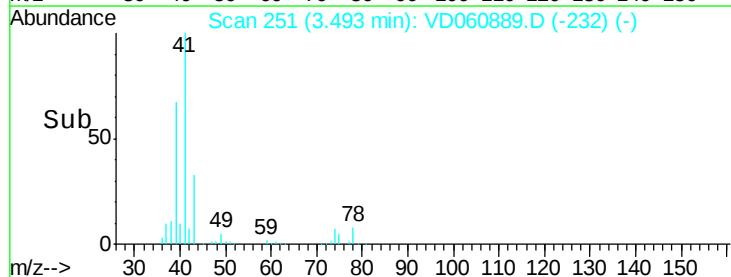
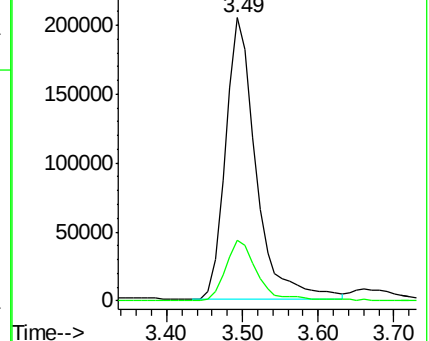
43 100

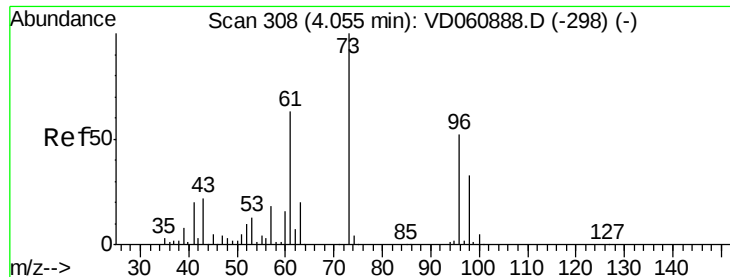
74 21.3 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



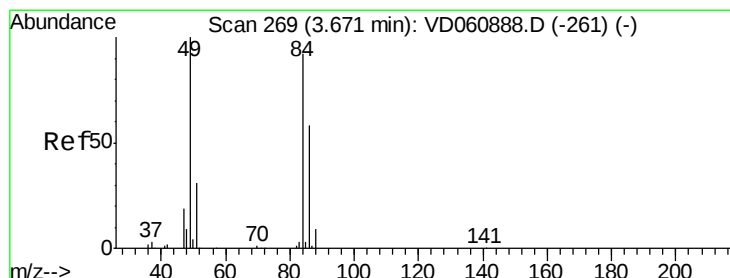
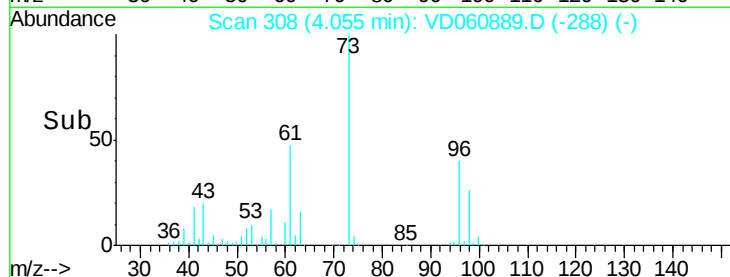
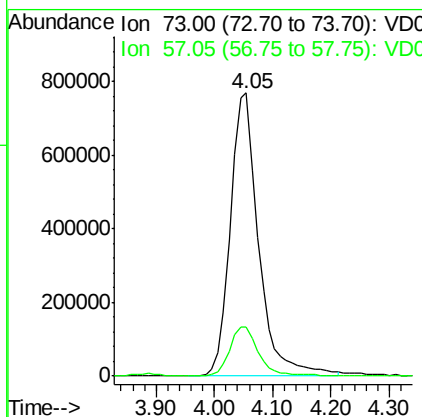
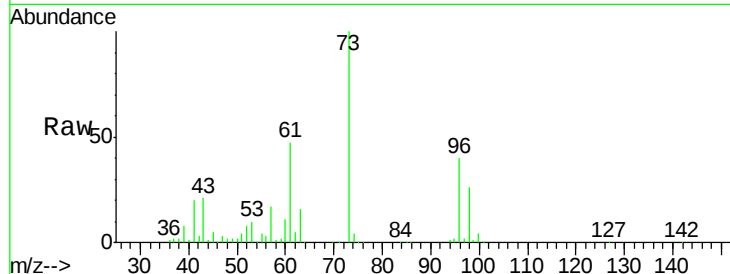


#19

Methyl tert-butyl Ether
 Concen: 59.713 ug/l
 RT: 4.05 min Scan# 308
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

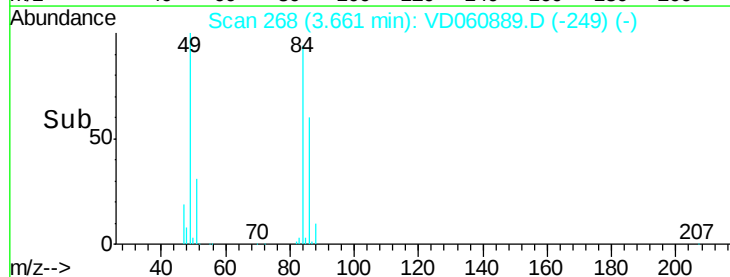
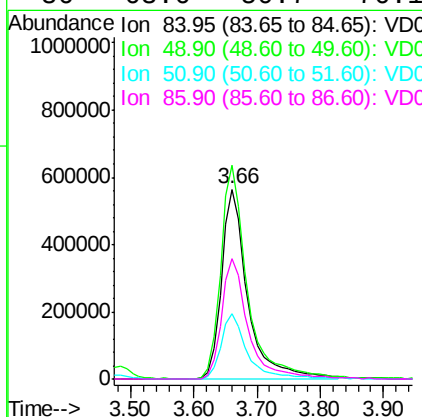
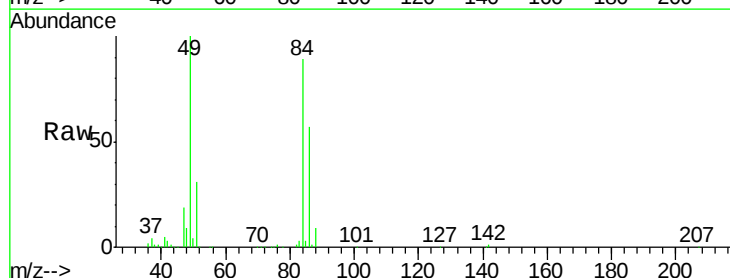
Tot Ion: 73 Resp: 2604792
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.5 21.7

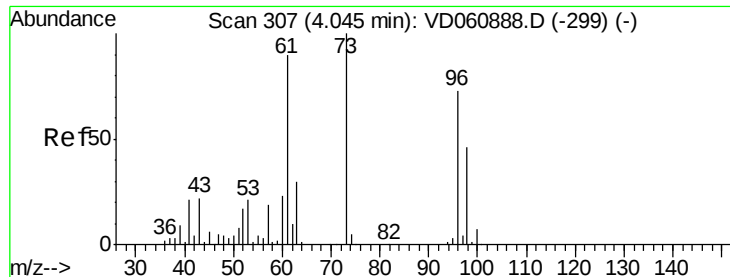


#20

Methylene Chloride
 Concen: 58.339 ug/l
 RT: 3.66 min Scan# 268
 Delta R.T. -0.01 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 84 Resp: 1627272
 Ion Ratio Lower Upper
 84 100
 49 112.4 87.2 130.8
 51 34.6 27.4 41.0
 86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 67.509 ug/l

RT: 4.03 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

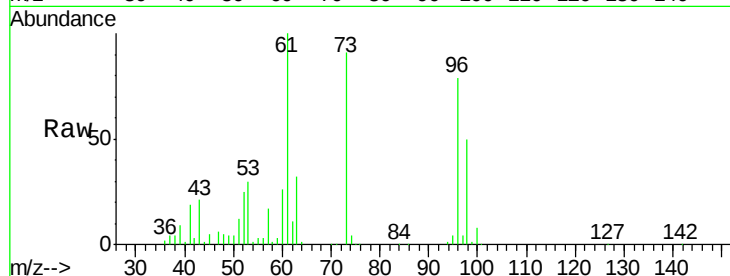
Tot Ion: 96 Resp: 1459366

Ion Ratio Lower Upper

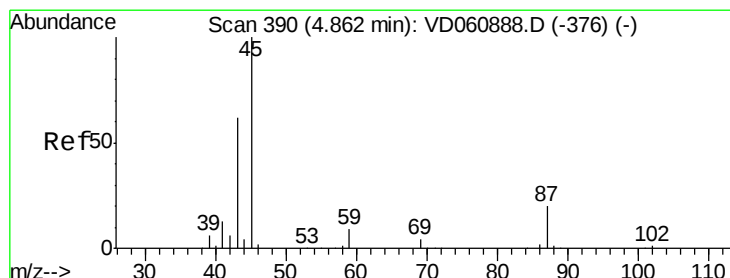
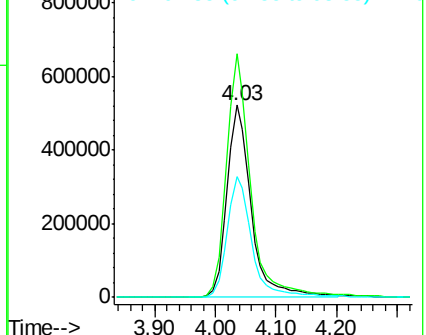
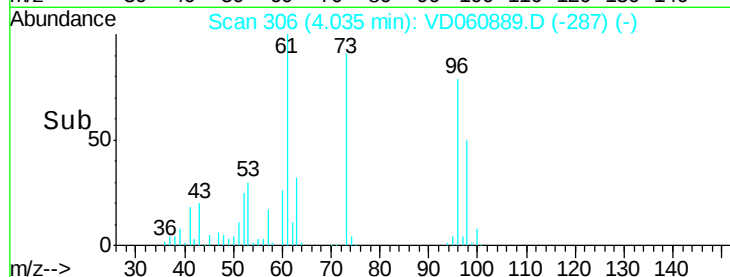
96 100

61 126.9 99.4 149.2

98 62.8 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 52.342 ug/l

RT: 4.86 min Scan# 390

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Tgt Ion: 45 Resp: 4082954

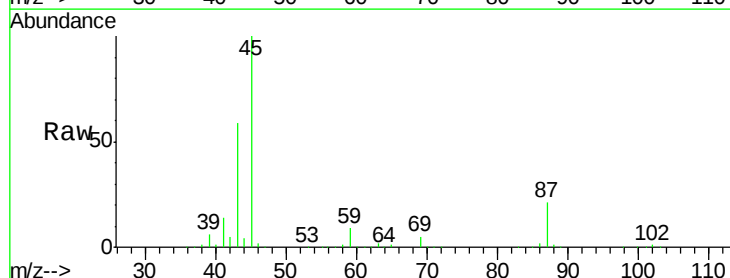
Ion Ratio Lower Upper

45 100

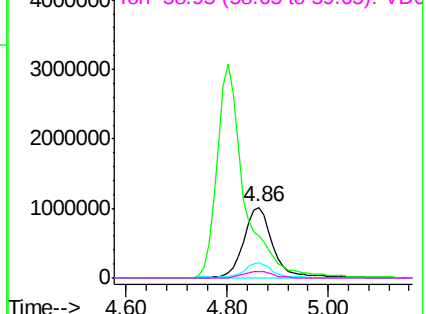
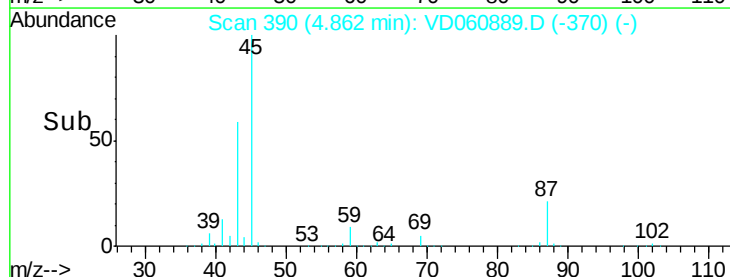
43 59.2 49.8 74.8

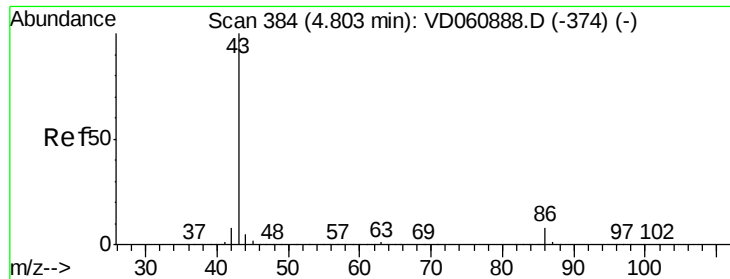
87 20.9 16.7 25.1

59 9.5 7.4 11.2



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 249.553 ug/l

RT: 4.80 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

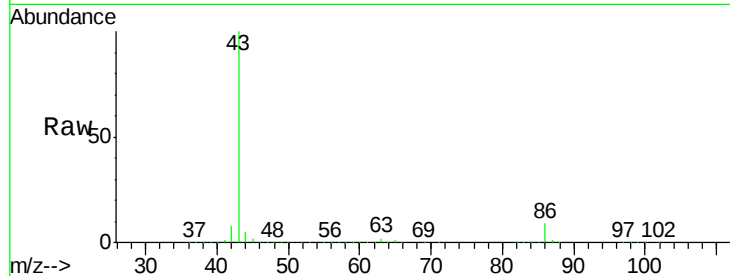
VSTDIC075

Tot Ion: 43 Resp:11525071

Ion Ratio Lower Upper

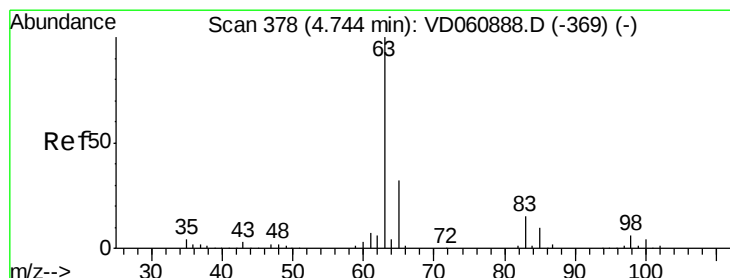
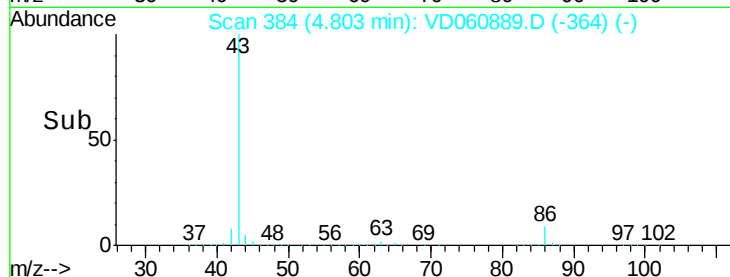
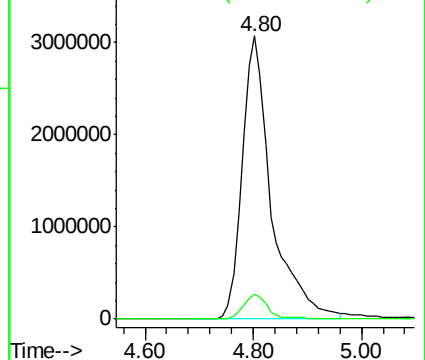
43 100

86 8.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.955 ug/l

RT: 4.74 min Scan# 378

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

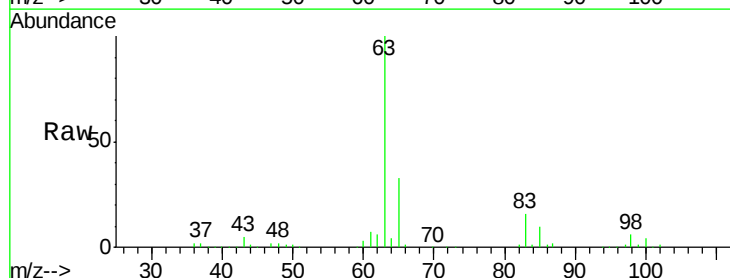
Tgt Ion: 63 Resp: 2303042

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

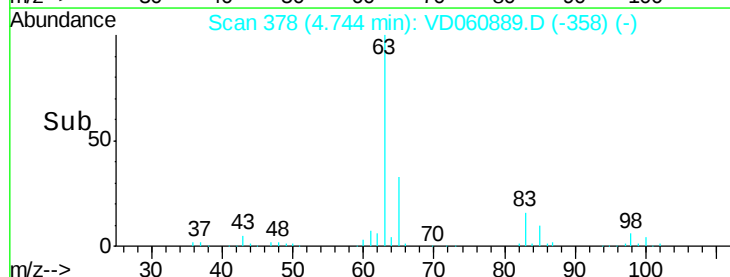
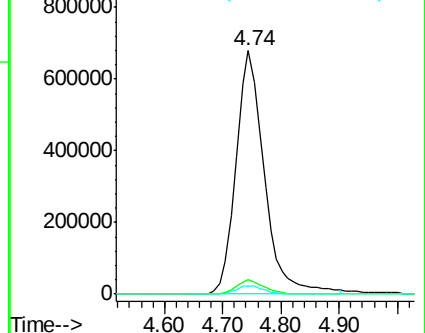
100 3.6 1.8 5.4

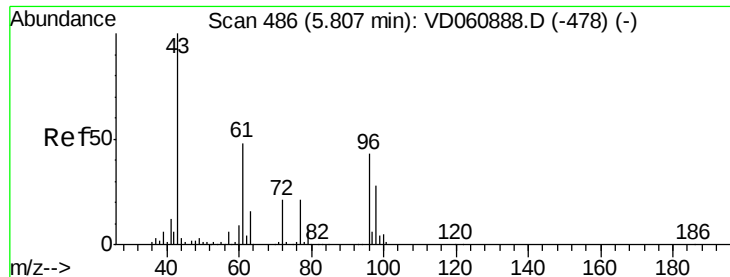


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

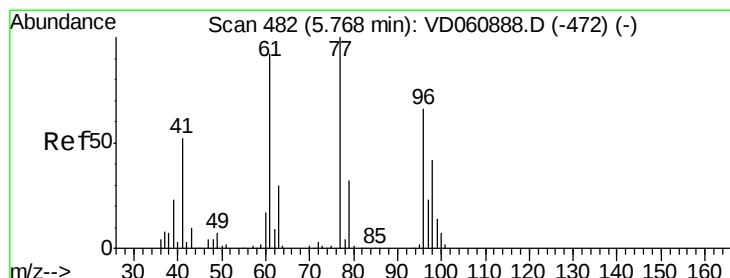
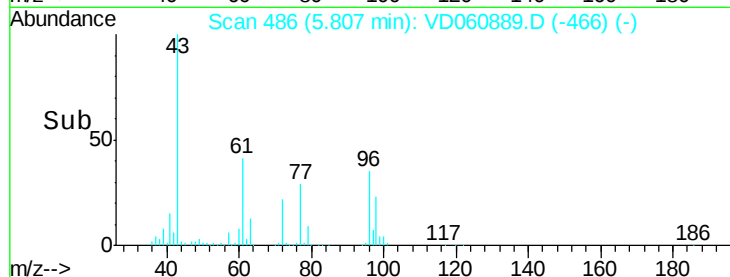
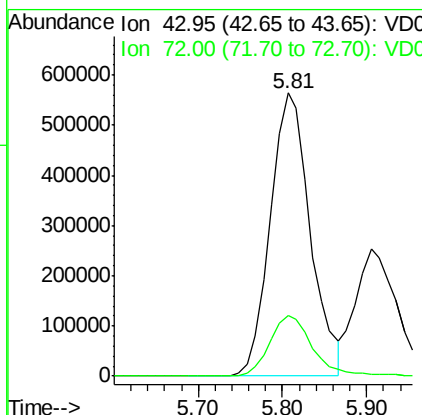
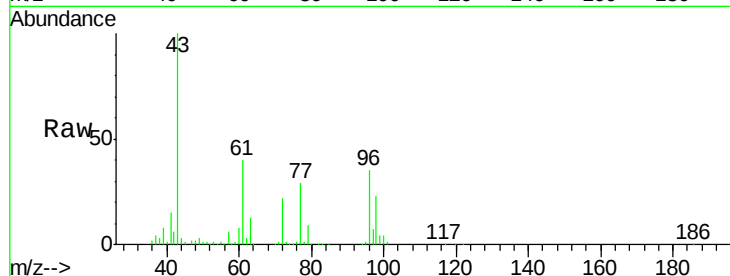




#25
2-Butanone
Concen: 280.979 ug/l
RT: 5.81 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

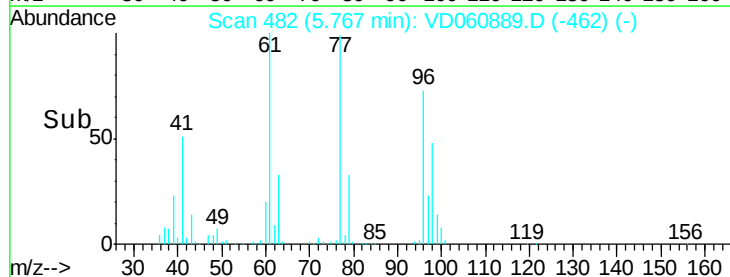
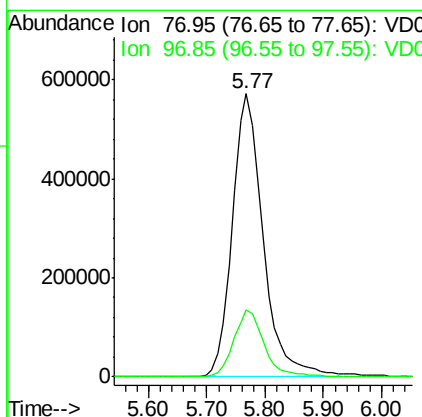
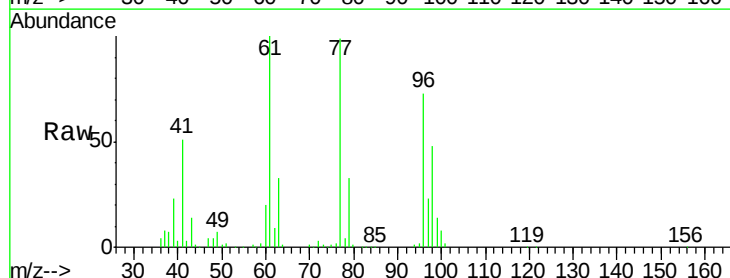
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

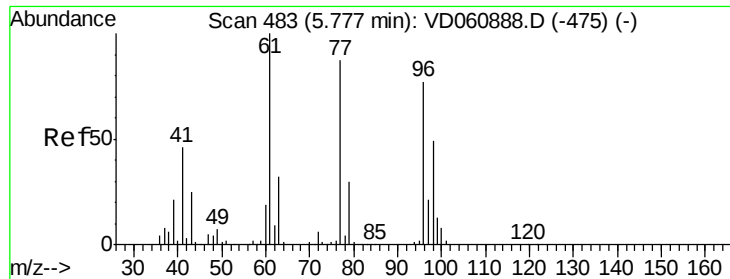
Tot Ion: 43 Resp: 1862790
Ion Ratio Lower Upper
43 100
72 21.6 17.0 25.6



#26
2,2-Dichloropropane
Concen: 53.443 ug/l
RT: 5.77 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 77 Resp: 2102373
Ion Ratio Lower Upper
77 100
97 23.6 11.6 34.7



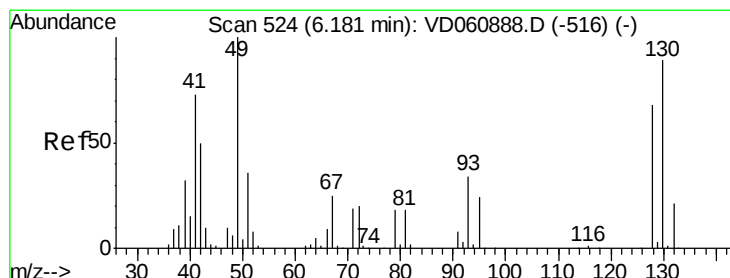
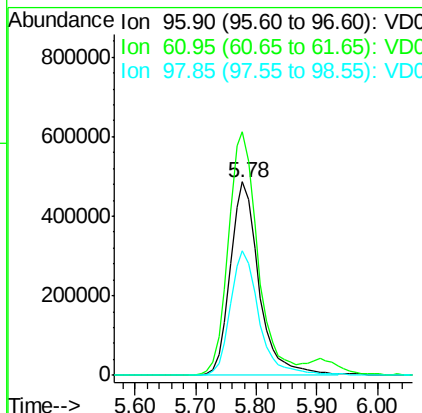
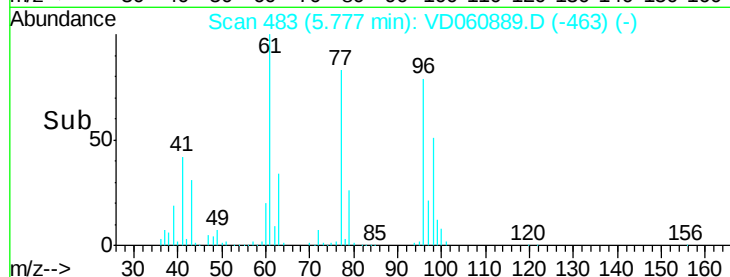
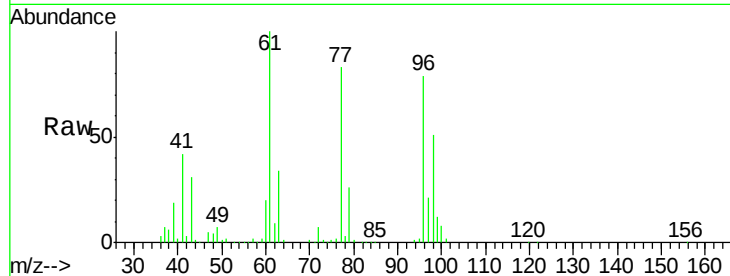


#27

cis-1,2-Dichloroethene
Concen: 71.696 ug/l
RT: 5.78 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

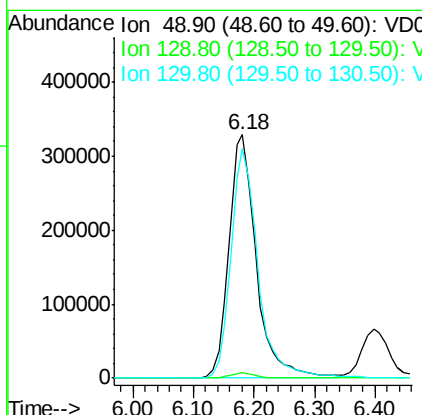
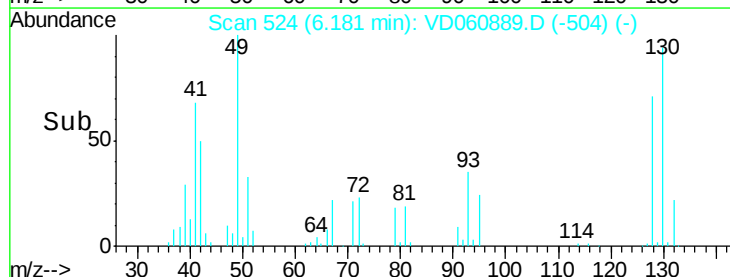
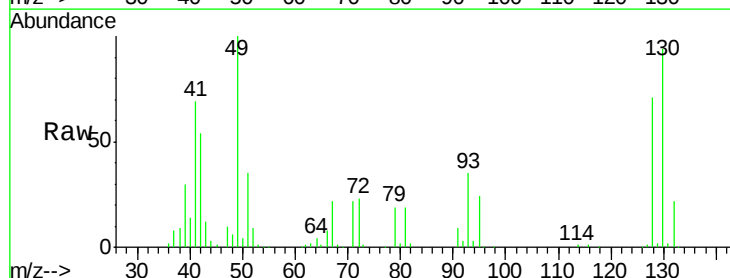
Tot Ion: 96 Resp: 1604942
Ion Ratio Lower Upper
96 100
61 125.8 0.0 259.4
98 64.1 0.0 127.4

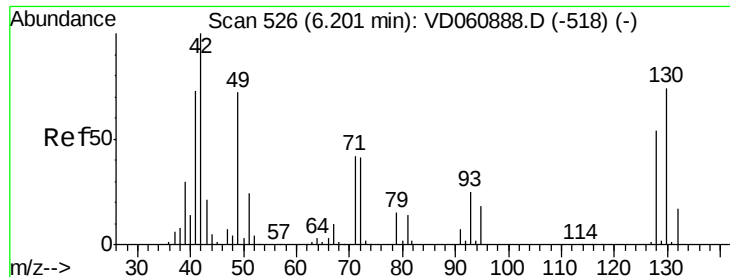


#28

Bromochloromethane
Concen: 57.587 ug/l
RT: 6.18 min Scan# 524
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 49 Resp: 1029542
Ion Ratio Lower Upper
49 100
129 2.3 0.0 5.0
130 94.0 71.4 107.0





#29

Tetrahydrofuran

Concen: 277.802 ug/l

RT: 6.20 min Scan# 526

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

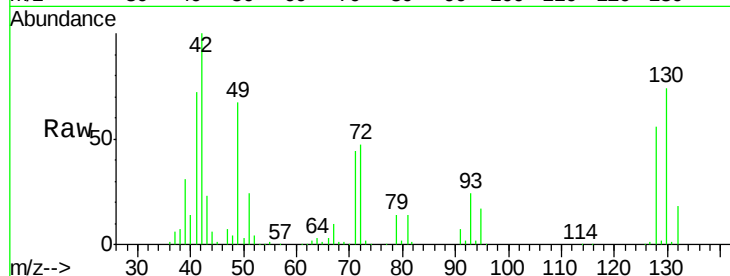
Tot Ion: 42 Resp: 915281

Ion Ratio Lower Upper

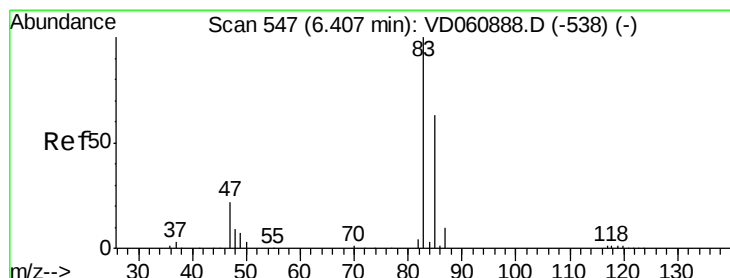
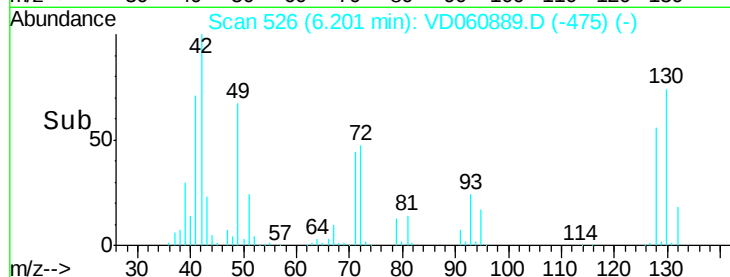
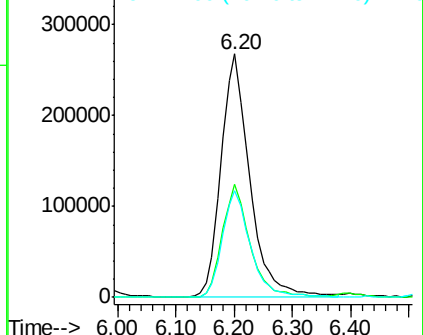
42 100

72 45.2 35.0 52.4

71 43.4 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 62.477 ug/l

RT: 6.40 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060889.D

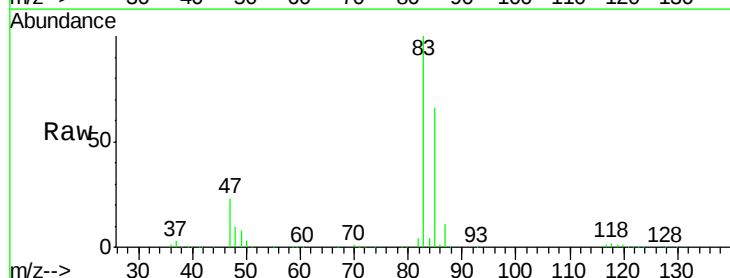
Acq: 21 Feb 2019 18:52

Tgt Ion: 83 Resp: 2755311

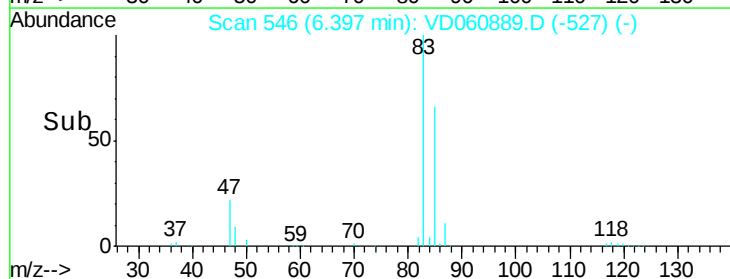
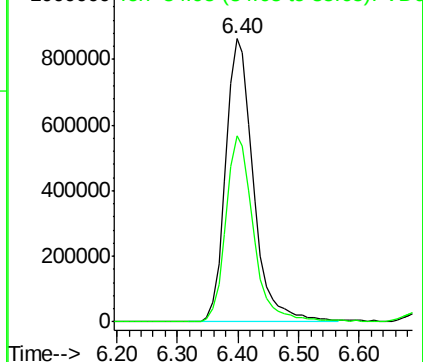
Ion Ratio Lower Upper

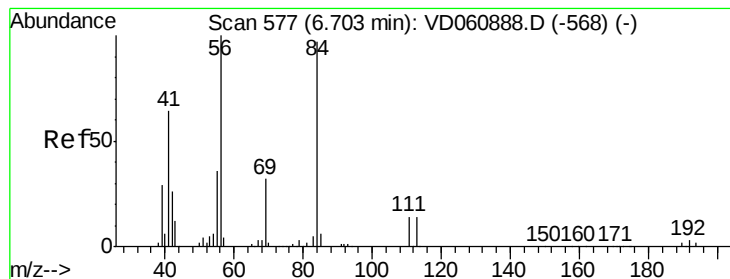
83 100

85 65.8 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 55.422 ug/l

RT: 6.70 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

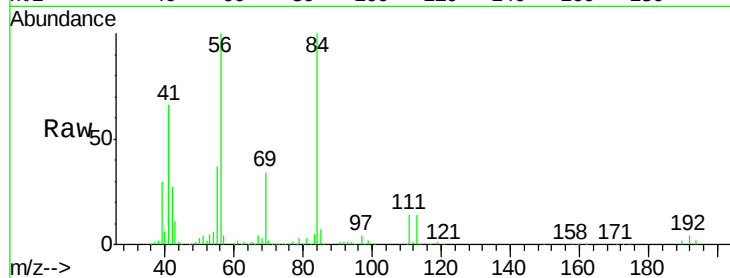
Tot Ion: 56 Resp: 1949948

Ion Ratio Lower Upper

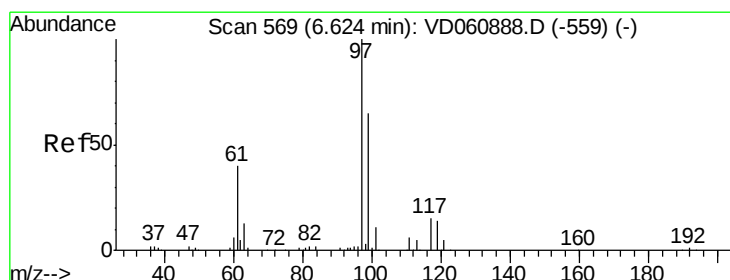
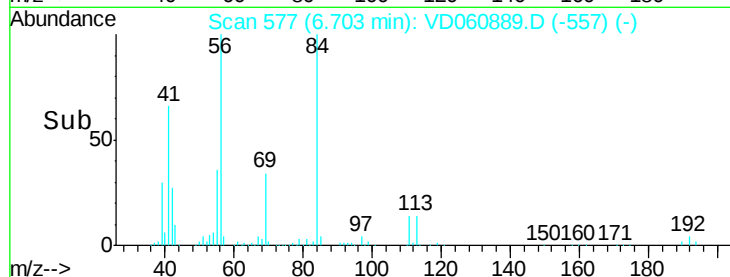
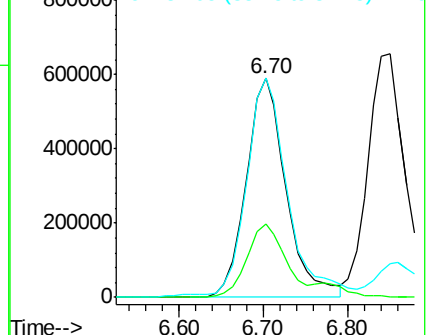
56 100

69 33.5 25.8 38.8

84 100.0 78.9 118.3



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.152 ug/l

RT: 6.61 min Scan# 568

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

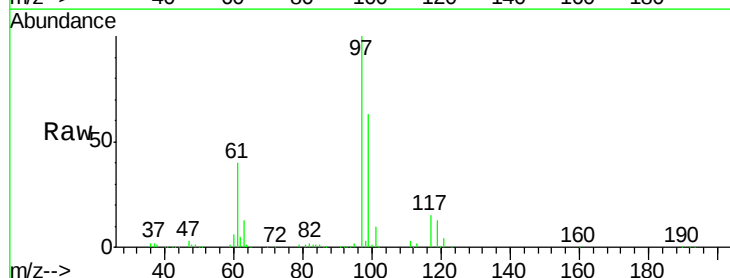
Tgt Ion: 97 Resp: 2094521

Ion Ratio Lower Upper

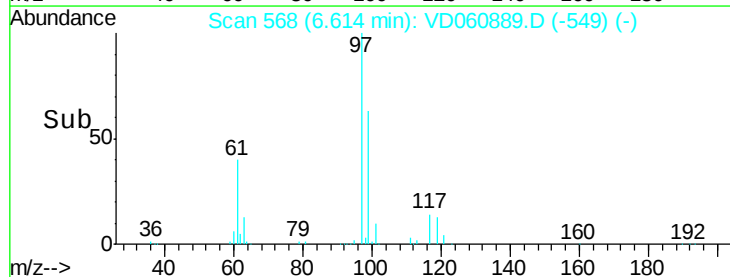
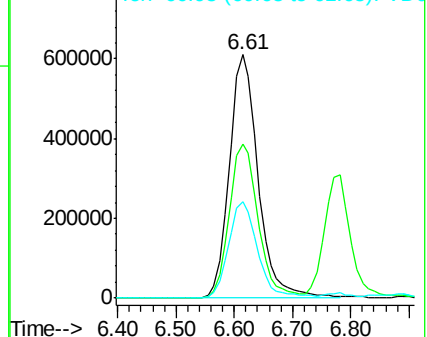
97 100

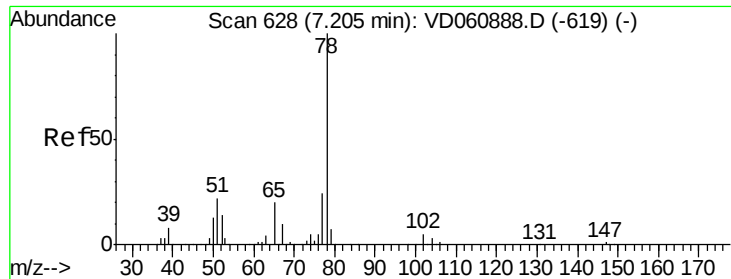
99 63.5 51.9 77.9

61 39.8 32.0 48.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

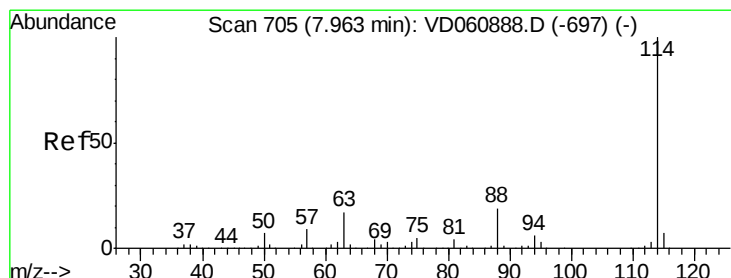
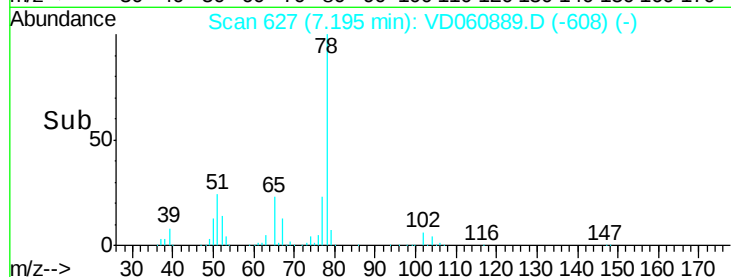
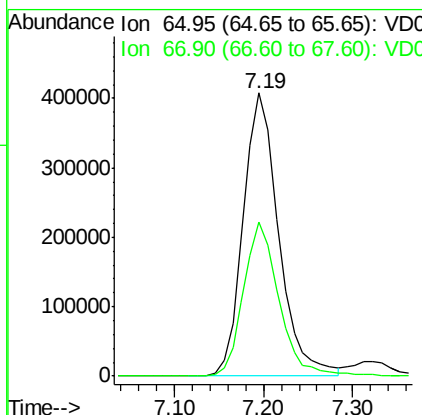
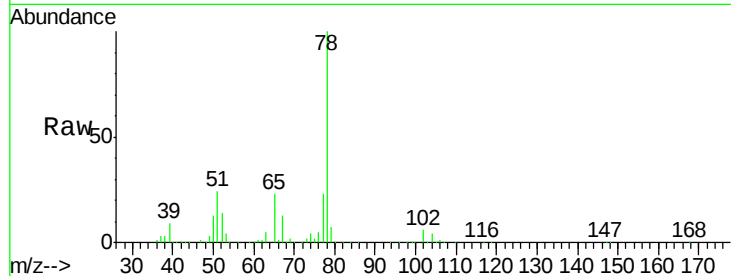




#33
 1,2-Dichloroethane-d4
 Concen: 54.152 ug/l
 RT: 7.19 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

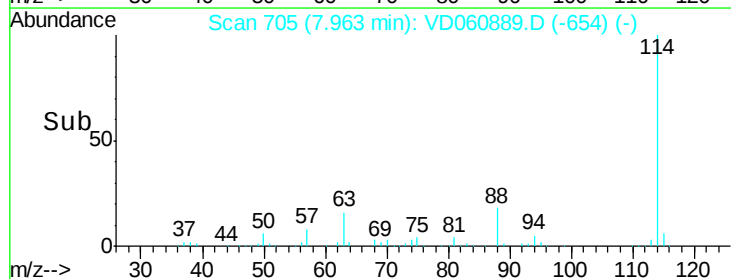
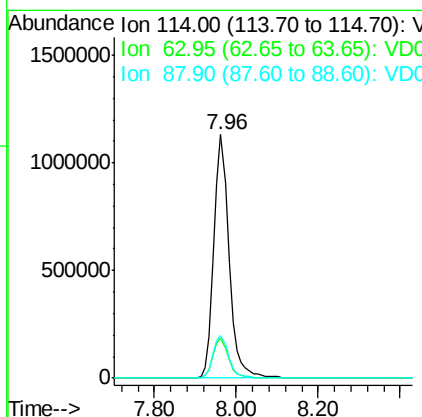
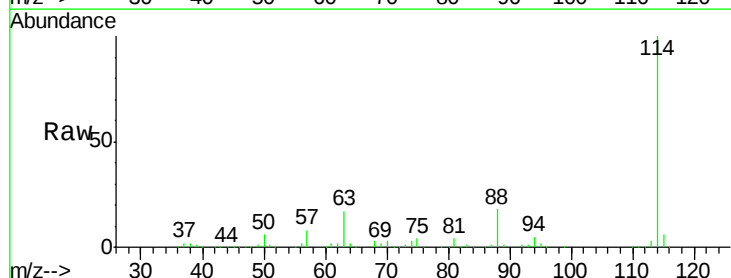
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

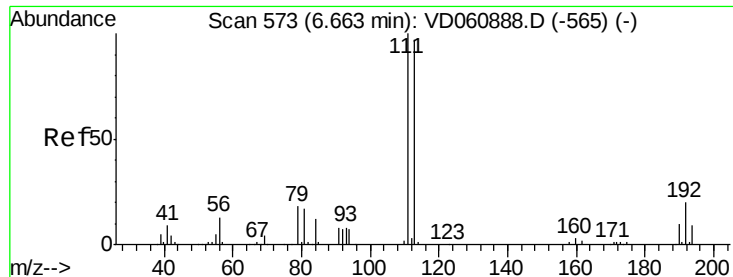
Tot Ion: 65 Resp: 1127079
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 114 Resp: 2907407
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.4
 88 17.6 0.0 37.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.66 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

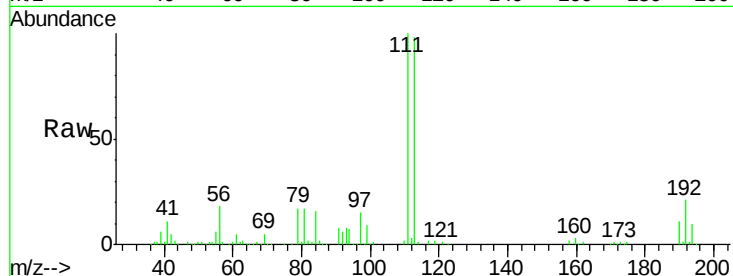
Tot Ion:113 Resp: 1623824

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	21.5	16.6	24.8

113 100

111 101.8 82.6 123.8

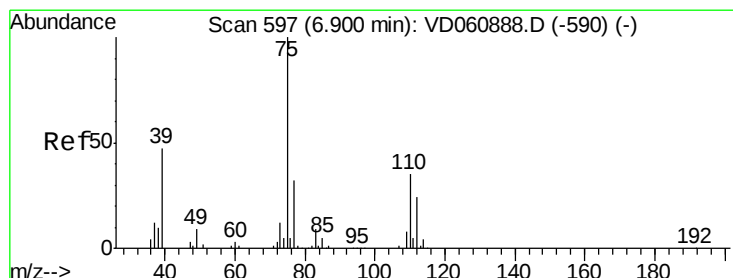
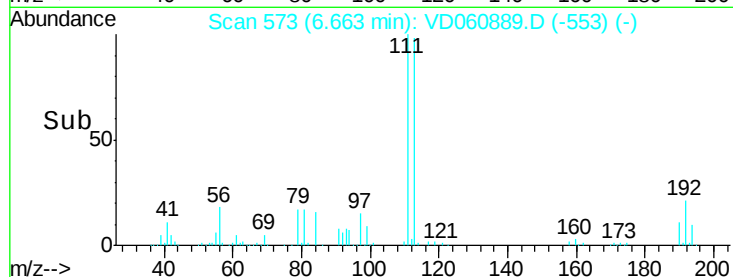
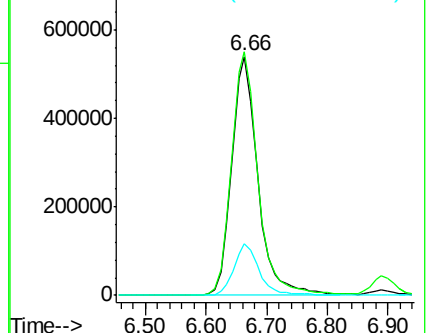
192 21.5 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 53.909 ug/l

RT: 6.89 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

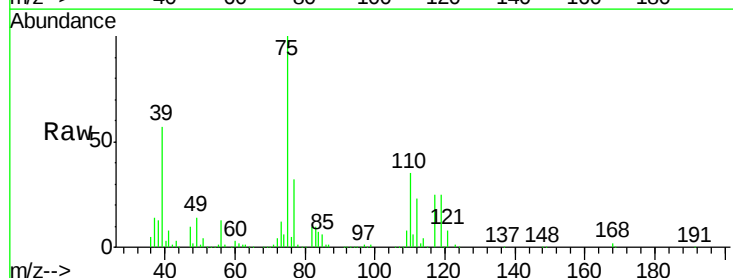
Tgt Ion: 75 Resp: 1910539

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.5	52.5
77	31.6	25.6	38.4

75 100

110 34.6 17.5 52.5

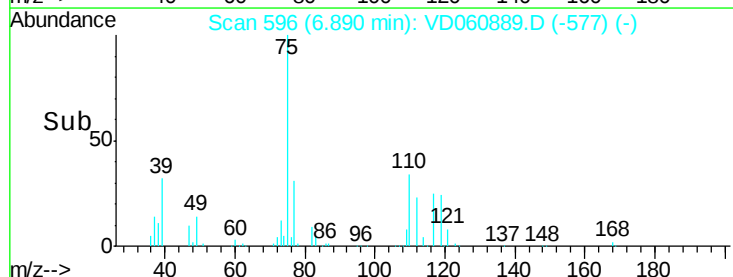
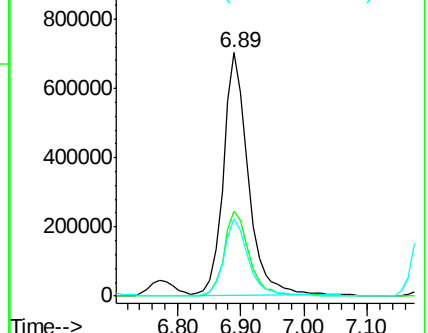
77 31.6 25.6 38.4

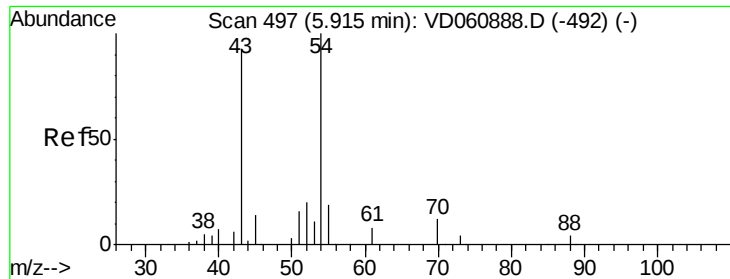


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

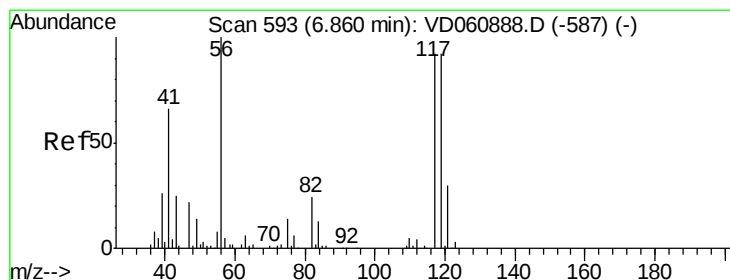
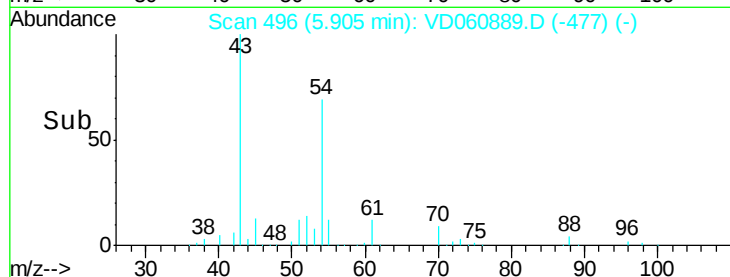
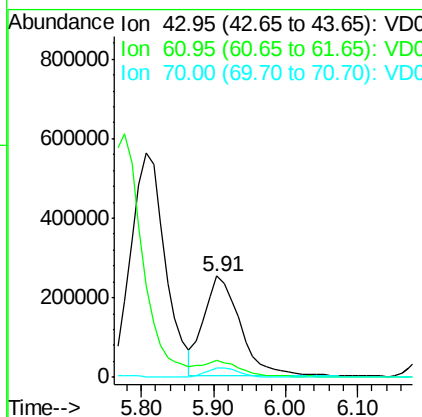
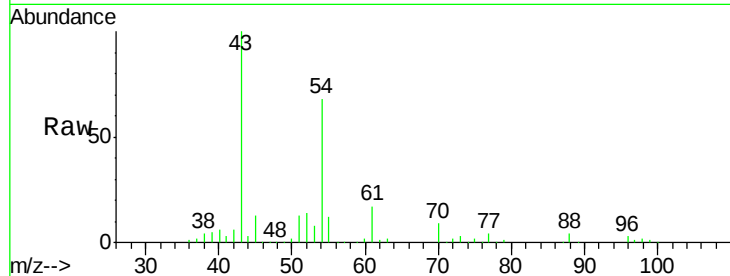




#37
Ethyl Acetate
Concen: 48.658 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

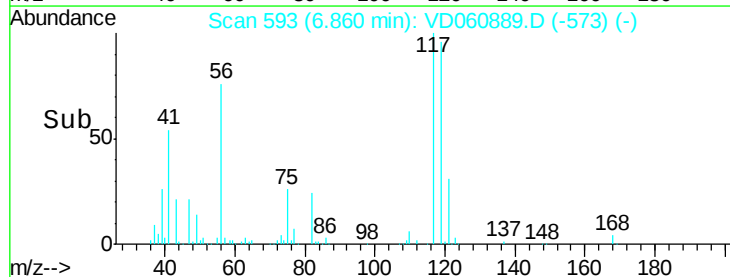
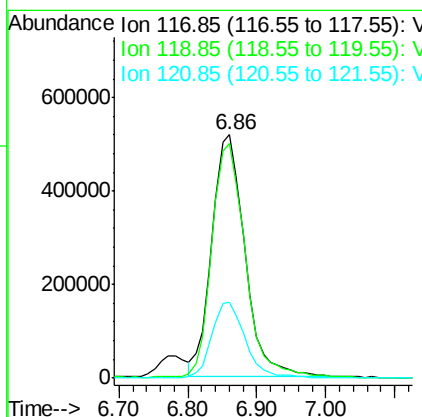
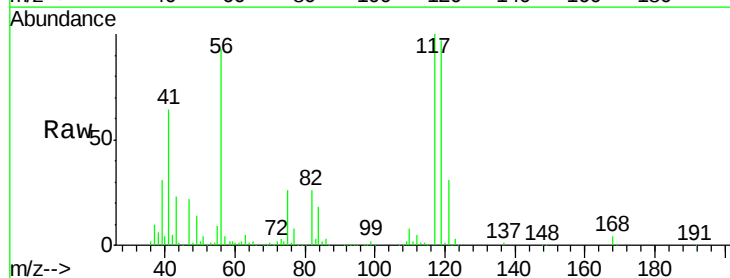
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

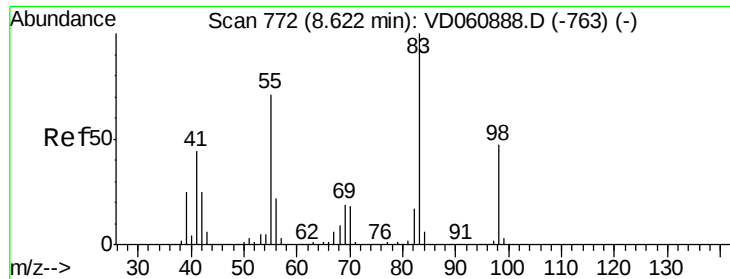
Tot Ion: 43 Resp: 884727
Ion Ratio Lower Upper
43 100
61 16.6 12.9 19.3
70 9.4 8.1 12.1



#38
Carbon Tetrachloride
Concen: 47.660 ug/l
RT: 6.86 min Scan# 593
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 117 Resp: 1726310
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 31.2 24.9 37.3

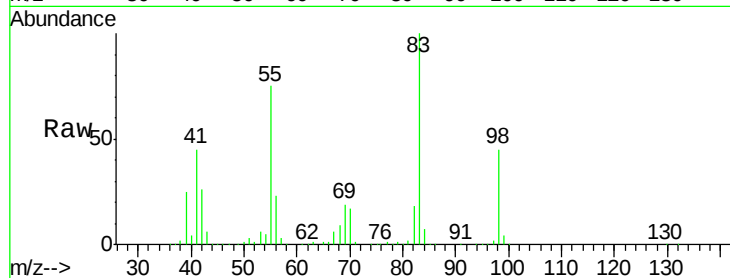




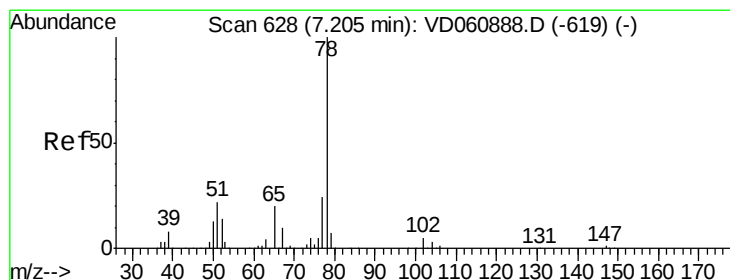
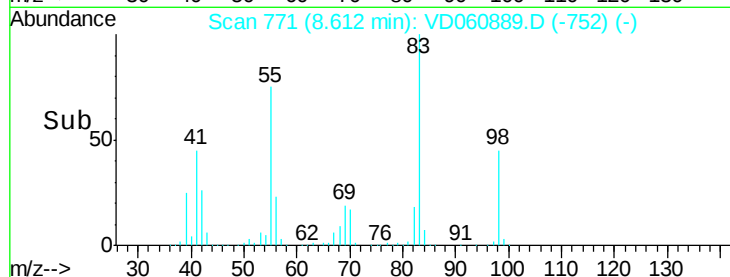
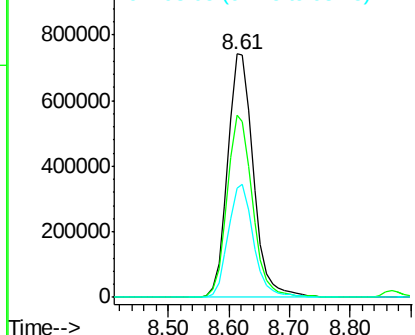
#39
Methvlcvclohexane
Concen: 63.735 ug/l
RT: 8.61 min Scan# 771
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 2194789
Ion Ratio Lower Upper
83 100
55 75.1 57.1 85.7
98 45.0 37.5 56.3

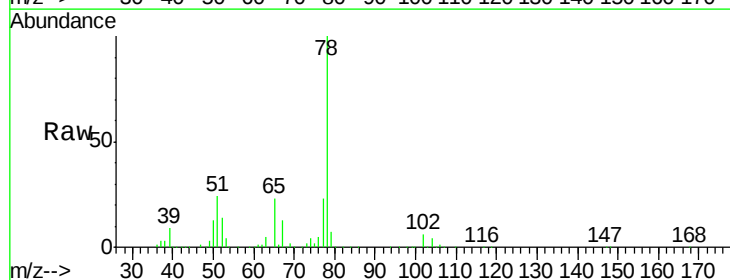


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

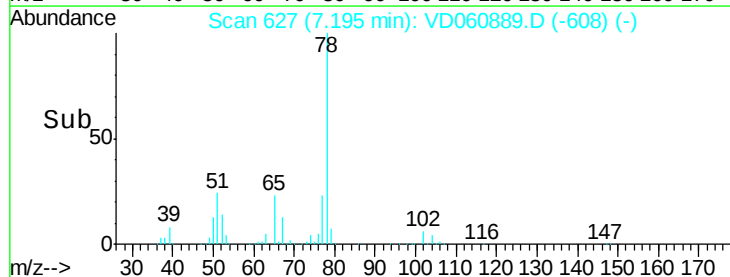
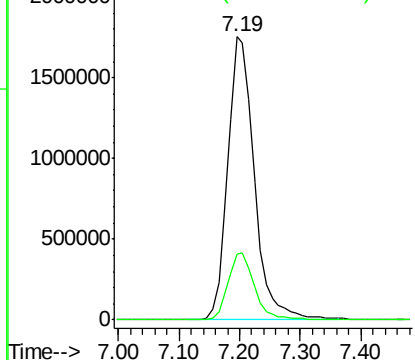


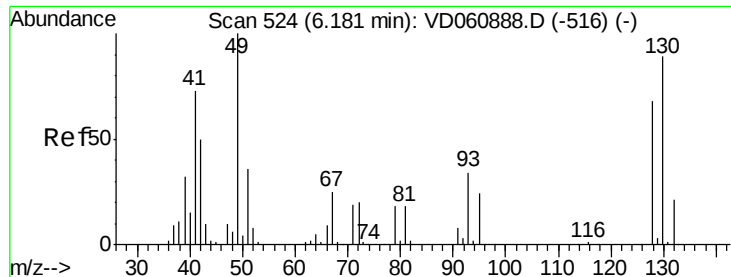
#40
Benzene
Concen: 66.833 ug/l
RT: 7.19 min Scan# 627
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 78 Resp: 5355277
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 39.836 ug/l m

RT: 6.18 min Scan# 524

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 494189

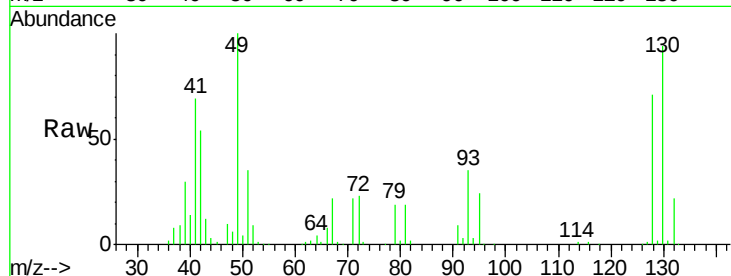
Ion Ratio Lower Upper

41 100

39 44.0 35.1 52.7

67 31.6 28.0 42.0

52 12.6 9.2 13.8

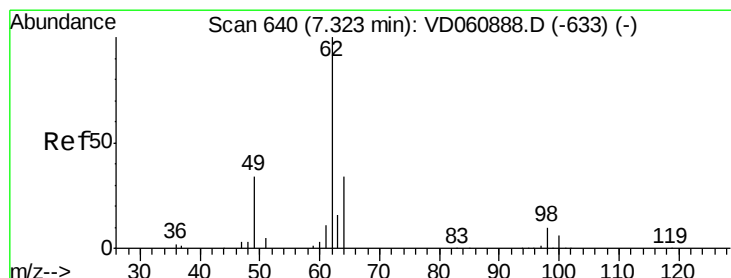
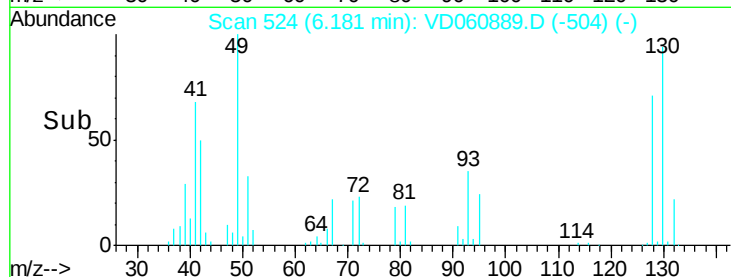
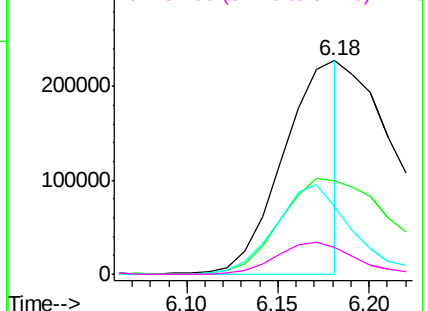


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 42.064 ug/l

RT: 7.32 min Scan# 640

Delta R.T. -0.00 min

Lab File: VD060889.D

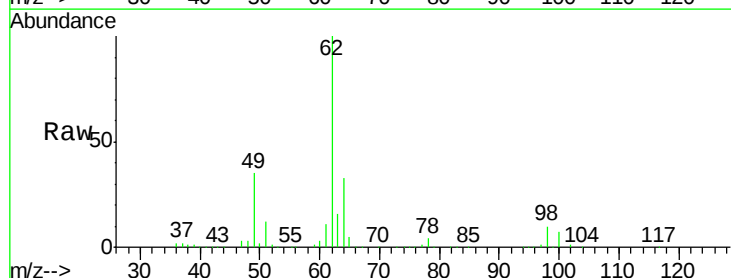
Acq: 21 Feb 2019 18:52

Tgt Ion: 62 Resp: 1295151

Ion Ratio Lower Upper

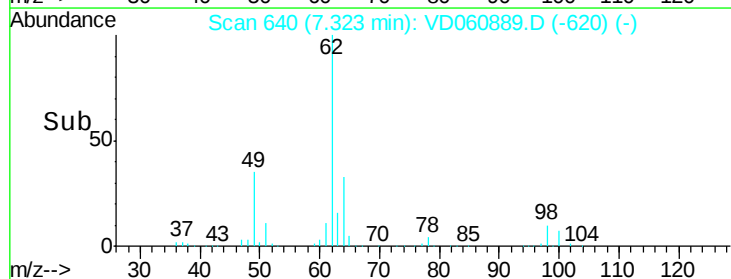
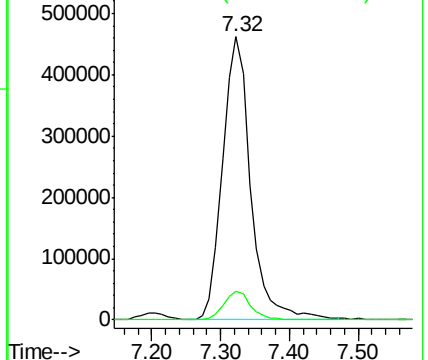
62 100

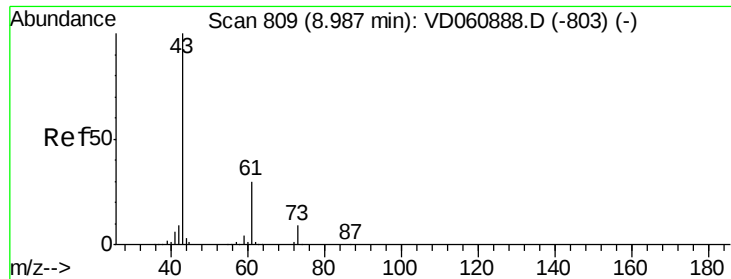
98 10.1 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.626 ug/l

RT: 8.99 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

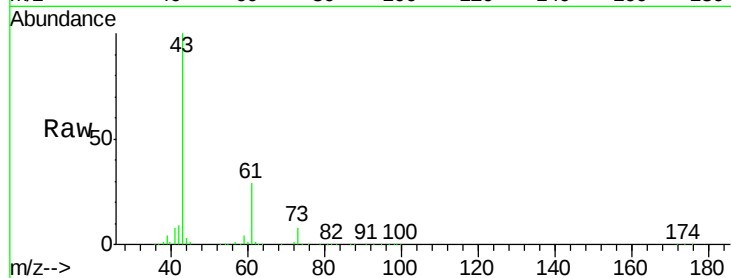
Tot Ion: 43 Resp: 1146308

Ion Ratio Lower Upper

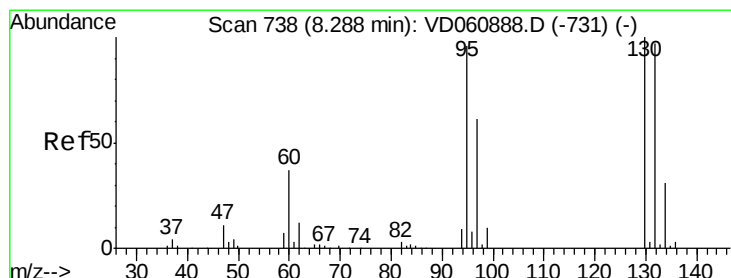
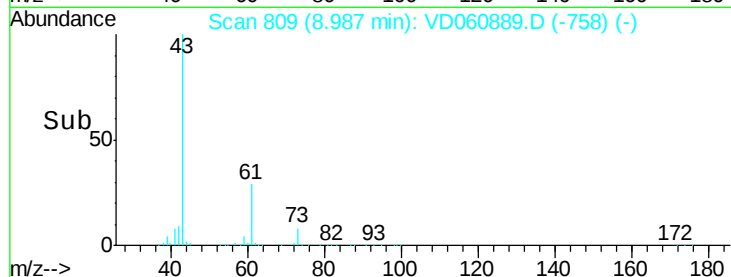
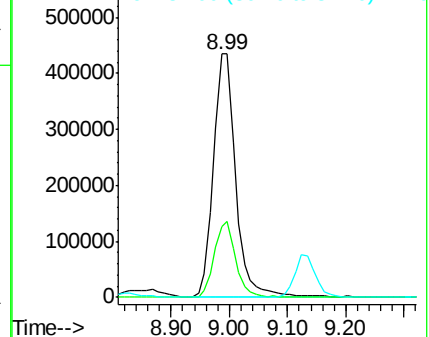
43 100

61 29.2 23.9 35.9

87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 67.174 ug/l

RT: 8.29 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD060889.D

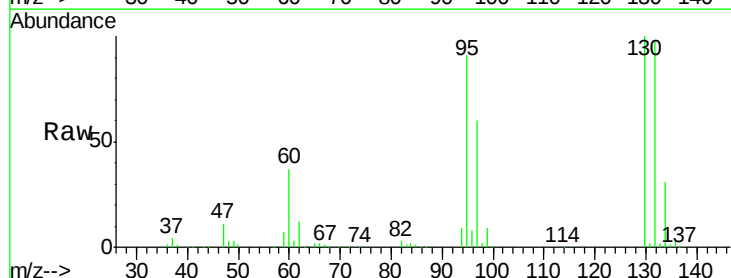
Acq: 21 Feb 2019 18:52

Tgt Ion:130 Resp: 1603299

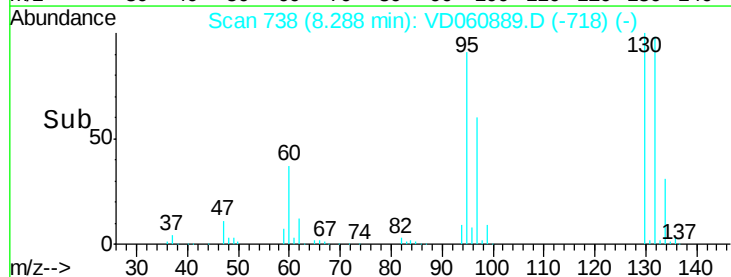
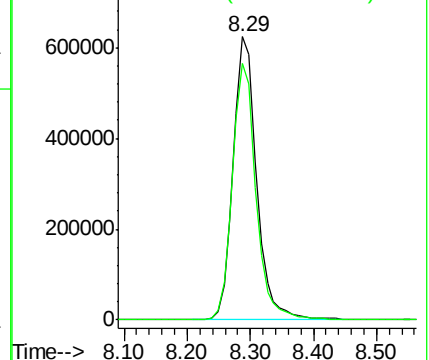
Ion Ratio Lower Upper

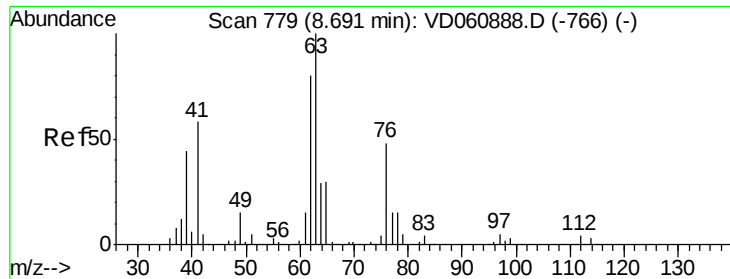
130 100

95 90.8 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.537 ug/l

RT: 8.69 min Scan# 779

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

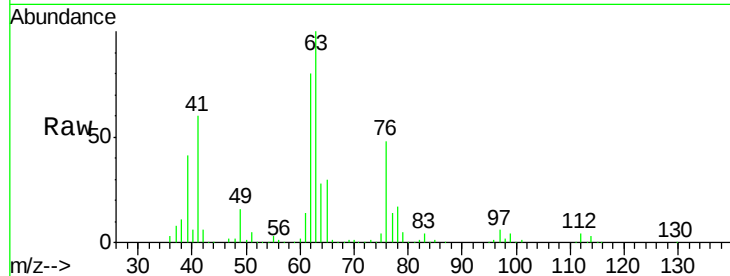
VSTDIC075

Tot Ion: 63 Resp: 1188048

Ion Ratio Lower Upper

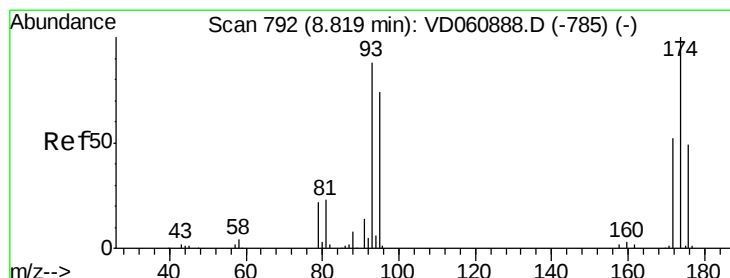
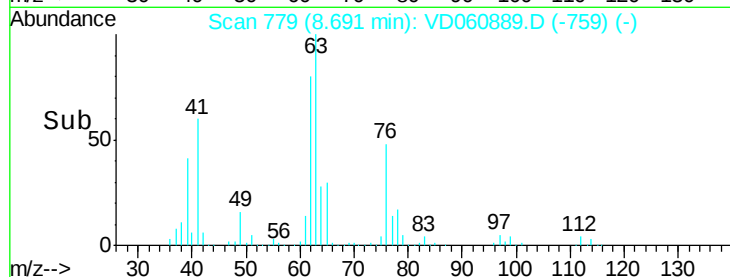
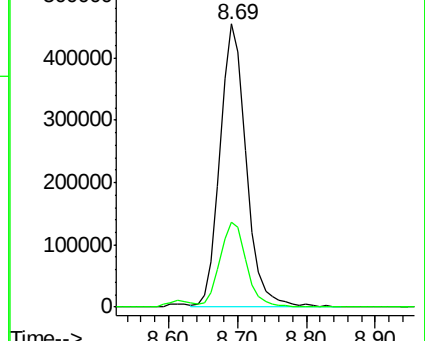
63 100

65 30.2 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 63.048 ug/l

RT: 8.82 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

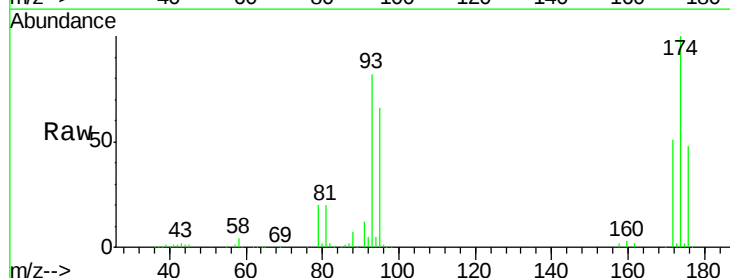
Tgt Ion: 93 Resp: 864884

Ion Ratio Lower Upper

93 100

95 81.1 67.2 100.8

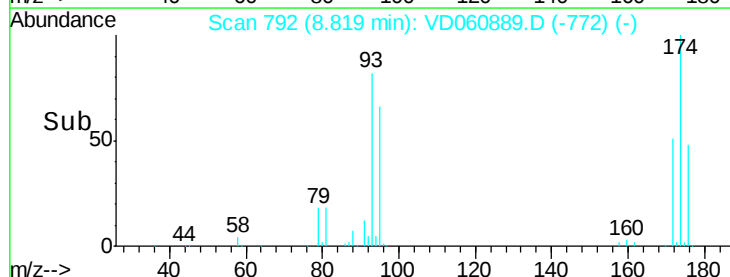
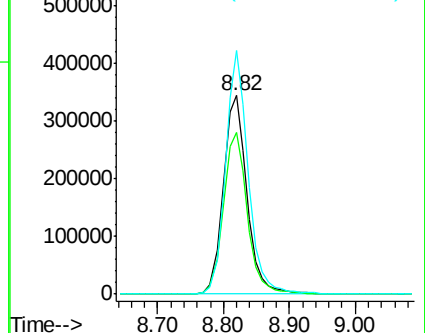
174 122.5 91.1 136.7

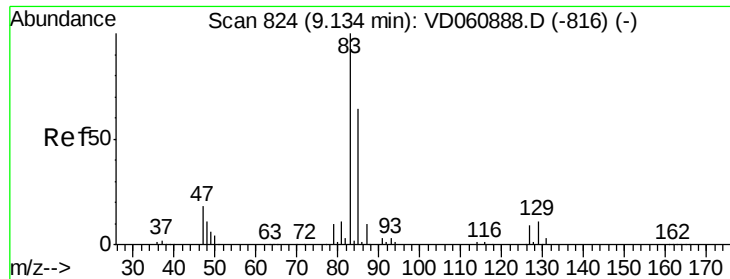


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.492 ug/l

RT: 9.12 min Scan# 823

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

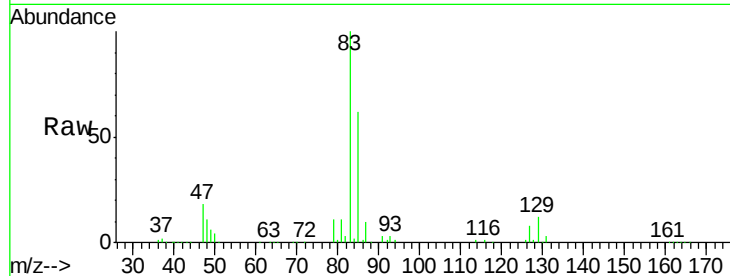
Tot Ion: 83 Resp: 1904815

Ion Ratio Lower Upper

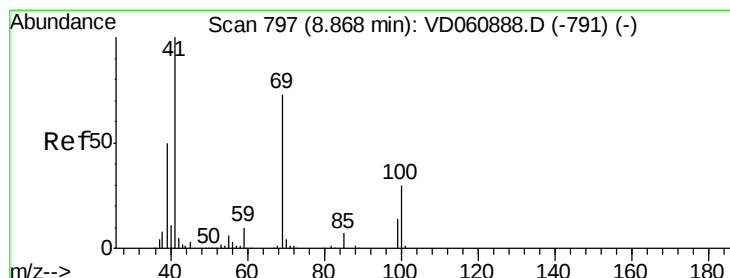
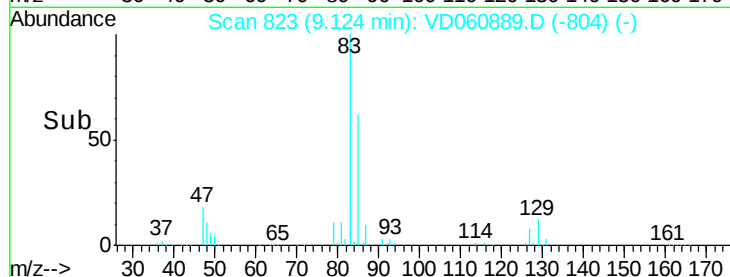
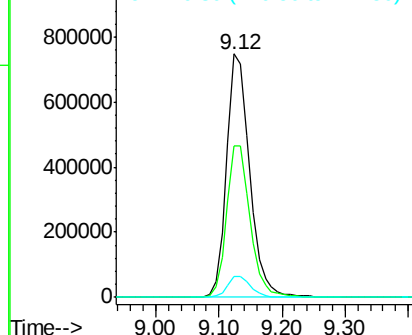
83 100

85 62.0 51.3 76.9

127 8.5 6.9 10.3



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.011 ug/l

RT: 8.87 min Scan# 797

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

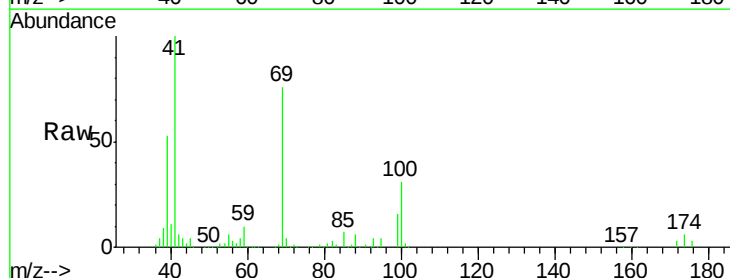
Tgt Ion: 41 Resp: 747373

Ion Ratio Lower Upper

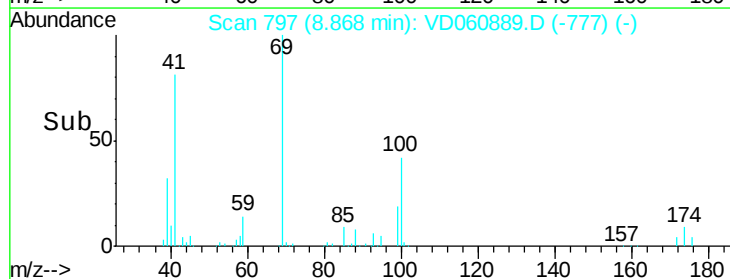
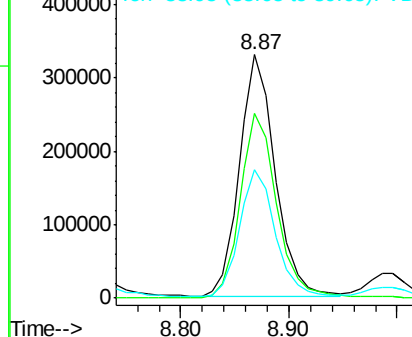
41 100

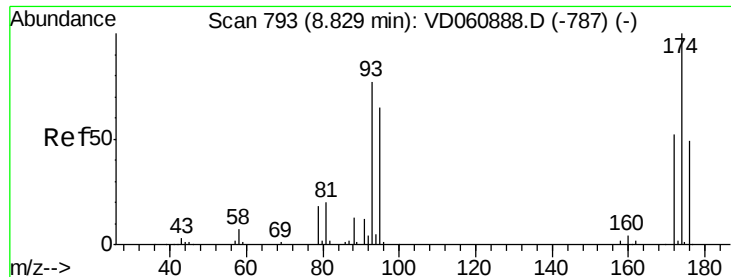
69 76.1 57.8 86.6

39 52.8 40.0 60.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1496.726 ug/l

RT: 8.83 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

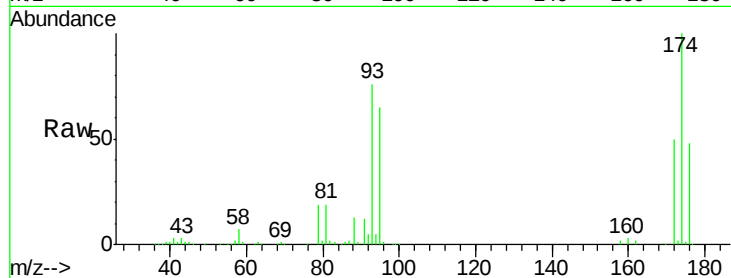
MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 88 Resp: 172775

Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.6	32.4
58	55.4	43.0	64.6

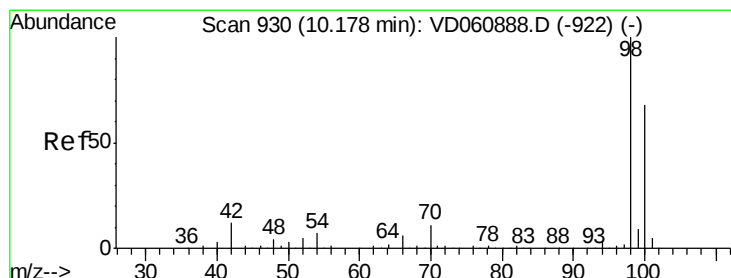
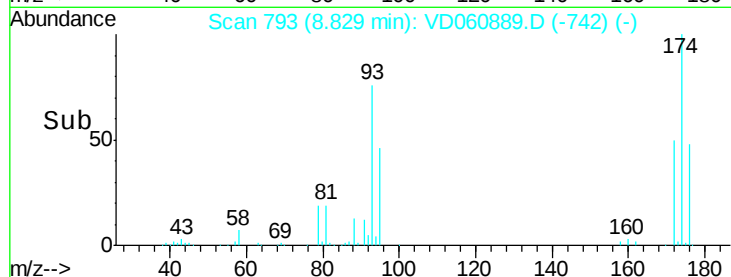
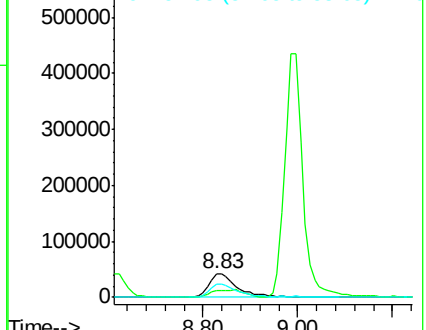


Abundance

Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1496.726 ug/l

RT: 10.18 min Scan# 930

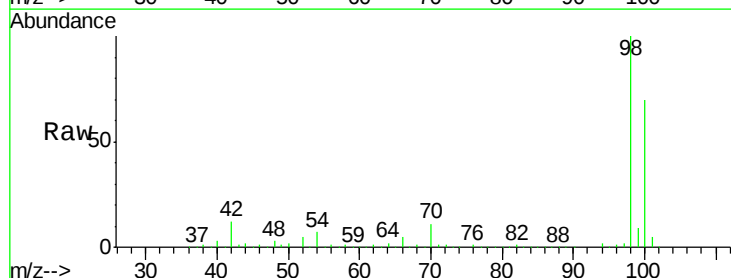
Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Tgt Ion: 98 Resp: 4183379

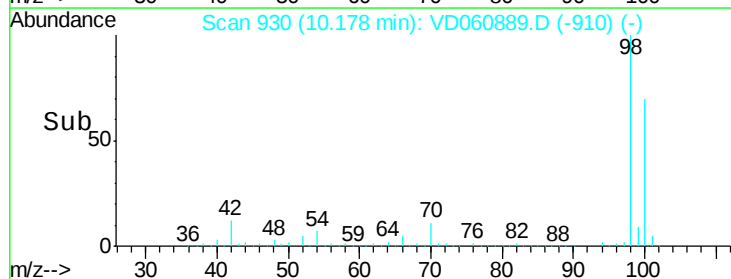
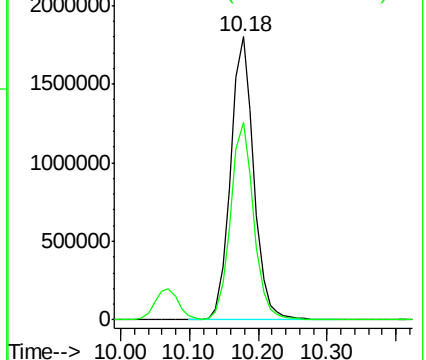
Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.7	83.5

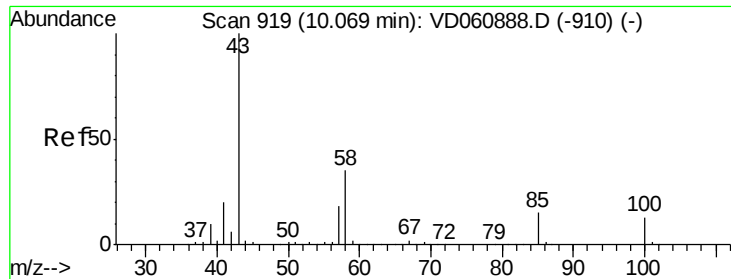


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 256.201 ug/l

RT: 10.06 min Scan# 918

Delta R.T. -0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

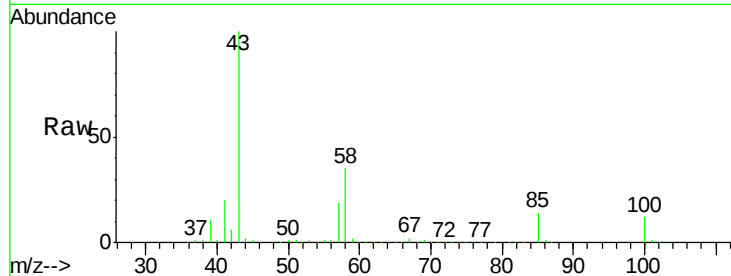
VSTDIC075

Tot Ion: 43 Resp: 3812577

Ion Ratio Lower Upper

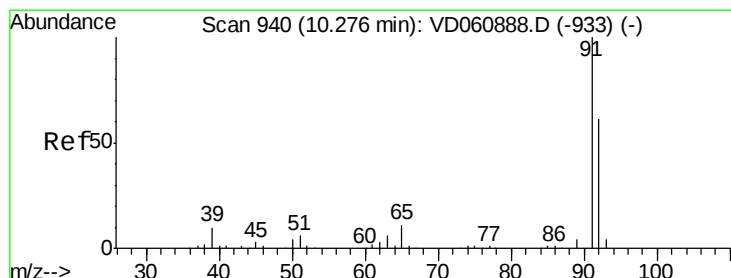
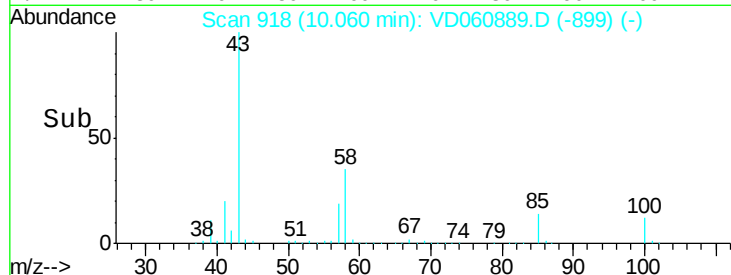
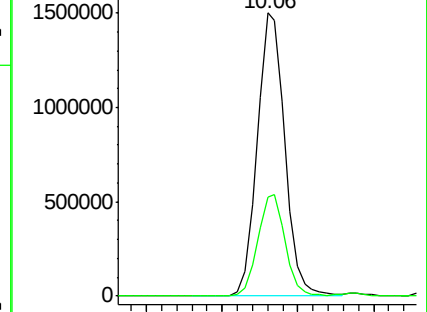
43 100

58 35.1 28.3 42.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 64.441 ug/l

RT: 10.28 min Scan# 940

Delta R.T. -0.00 min

Lab File: VD060889.D

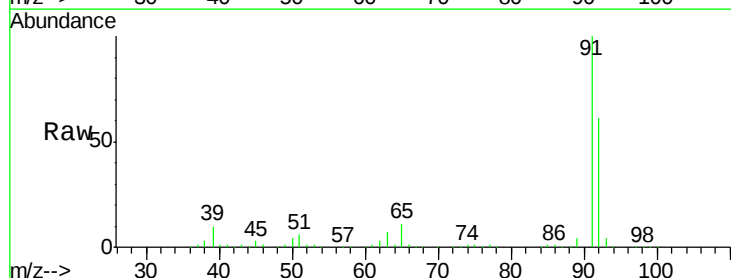
Acq: 21 Feb 2019 18:52

Tgt Ion: 92 Resp: 2972262

Ion Ratio Lower Upper

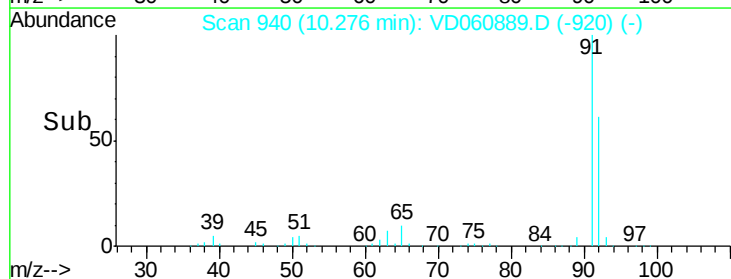
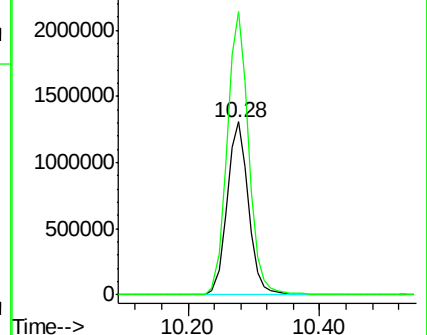
92 100

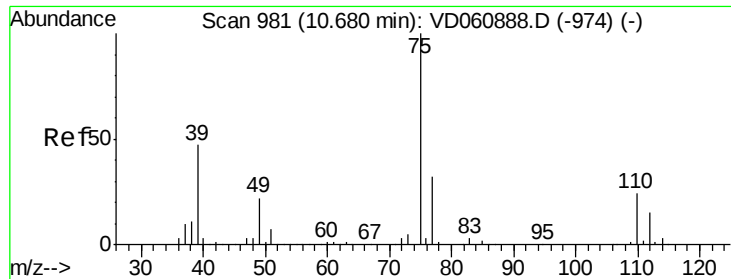
91 163.8 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

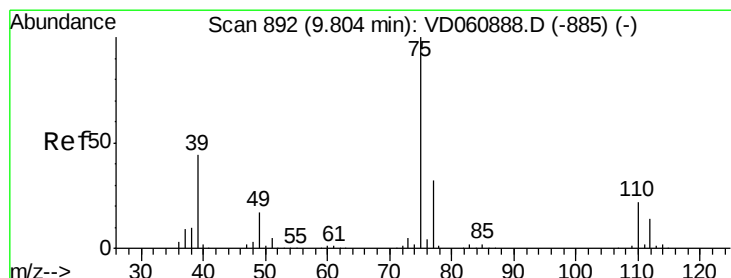
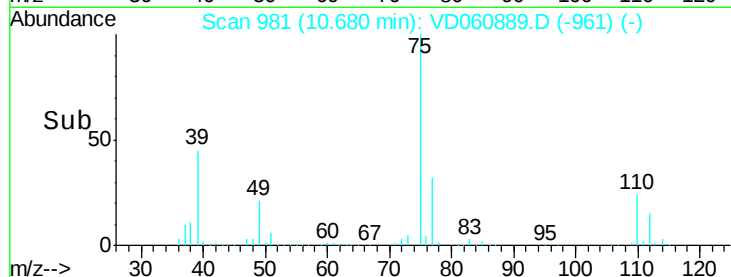
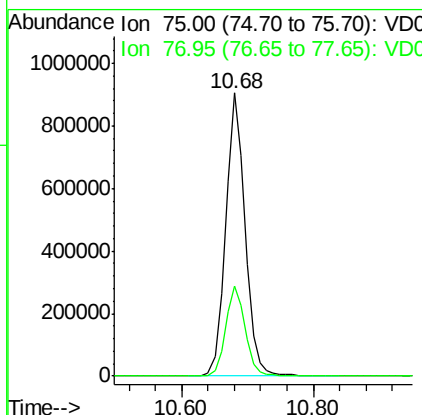
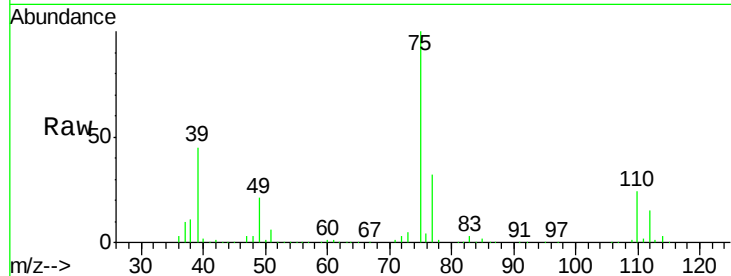




#53
t-1,3-Dichloropropene
Concen: 60.581 ug/l
RT: 10.68 min Scan# 981
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

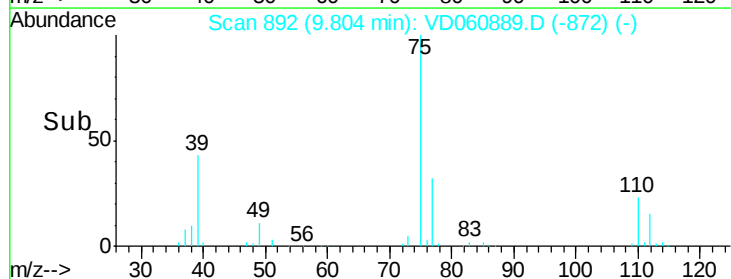
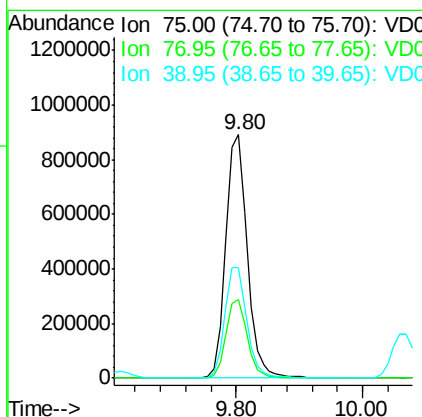
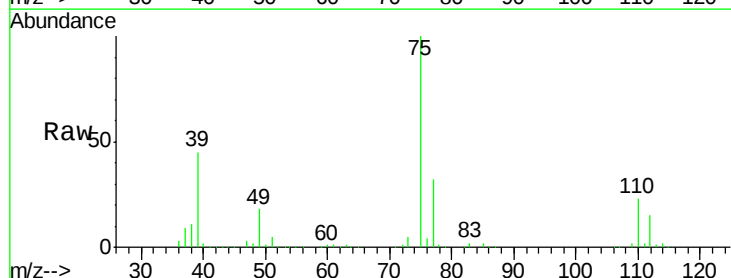
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

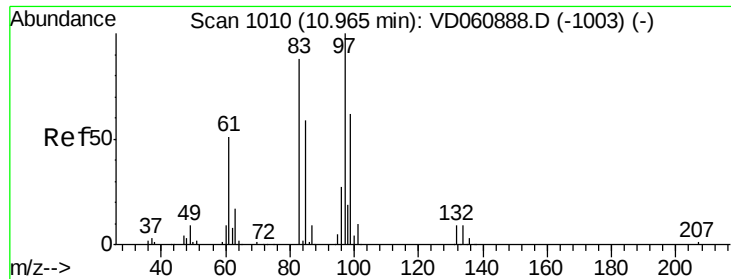
Tot Ion: 75 Resp: 1861070
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 59.696 ug/l
RT: 9.80 min Scan# 892
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 75 Resp: 2103576
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
39 45.3 35.4 53.2

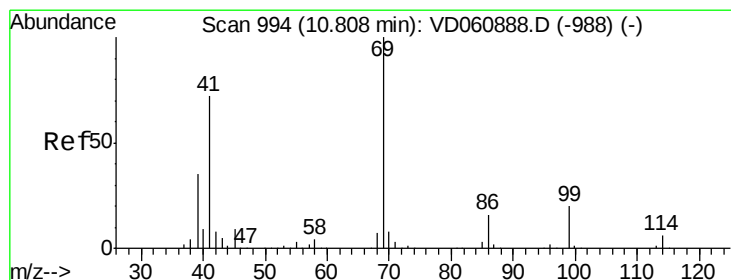
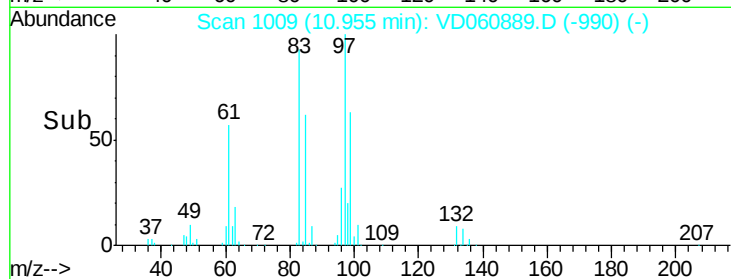
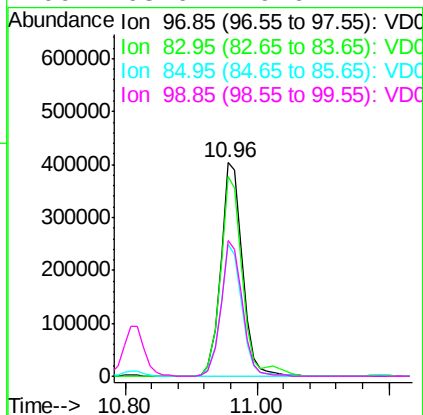
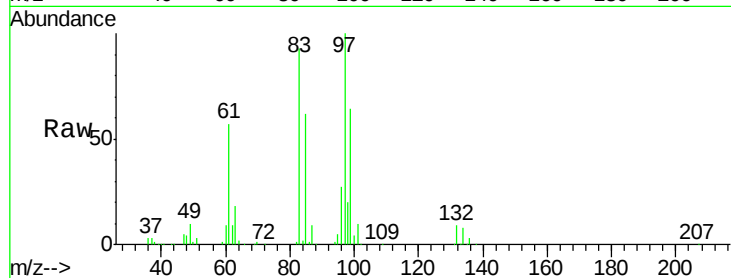




#55
 1,1,2-Trichloroethane
 Concen: 67.346 ug/l
 RT: 10.96 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

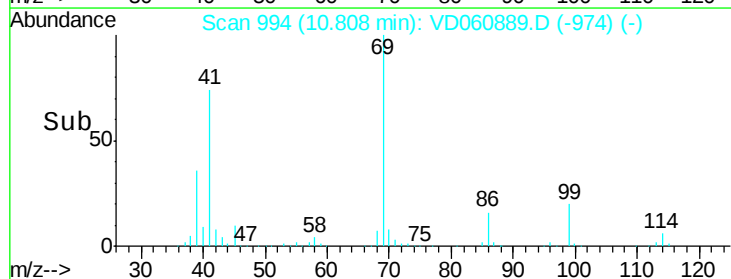
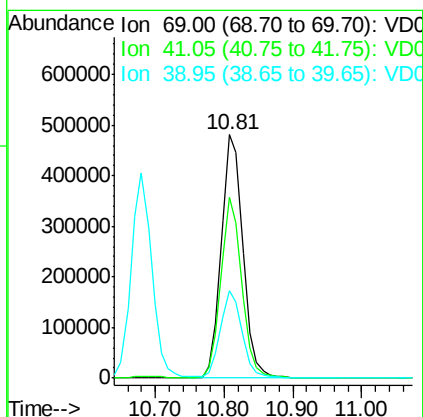
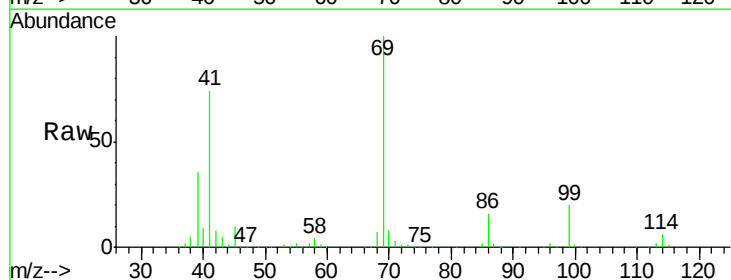
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

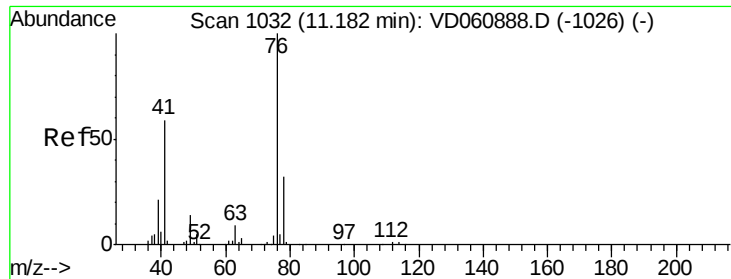
Tot Ion: 97 Resp: 922661
 Ion Ratio Lower Upper
 97 100
 83 93.4 70.8 106.2
 85 61.7 47.6 71.4
 99 63.6 49.6 74.4



#56
 Ethyl methacrylate
 Concen: 59.745 ug/l
 RT: 10.81 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 69 Resp: 1046715
 Ion Ratio Lower Upper
 69 100
 41 74.4 57.8 86.8
 39 35.7 28.6 43.0

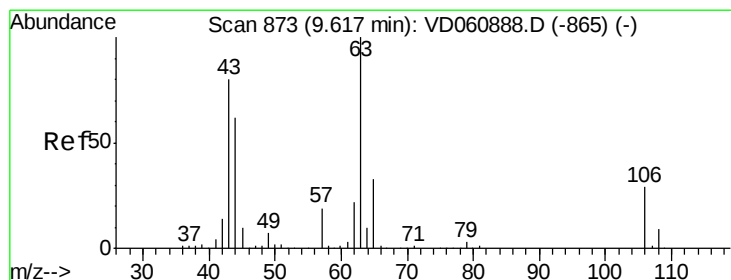
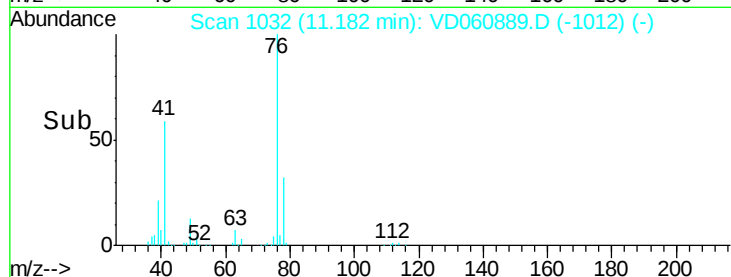
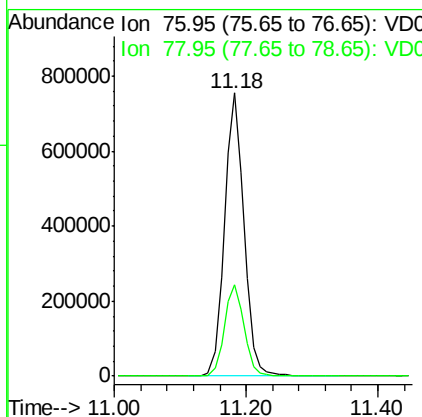
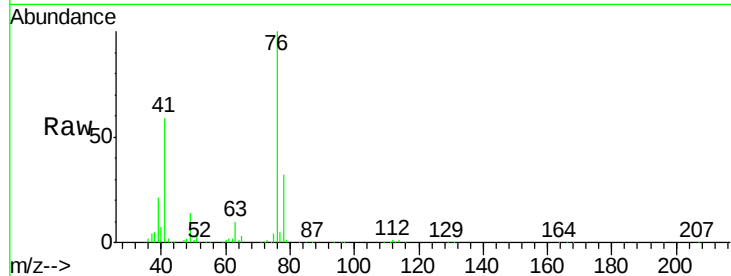




#57
 1,3-Dichloropropane
 Concen: 62.114 ug/l
 RT: 11.18 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

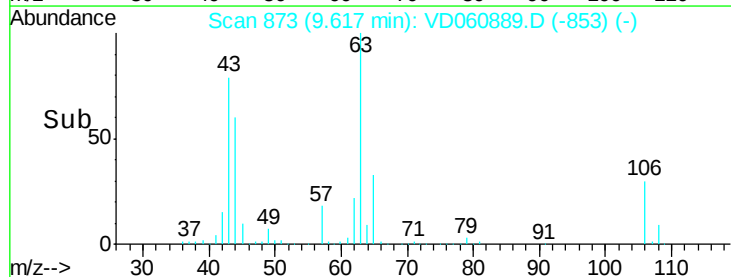
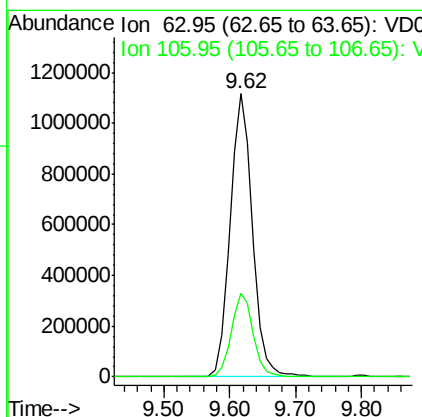
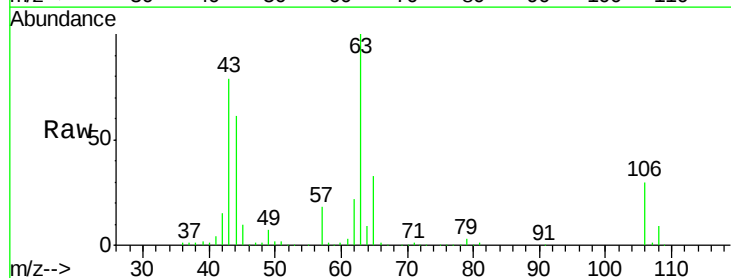
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

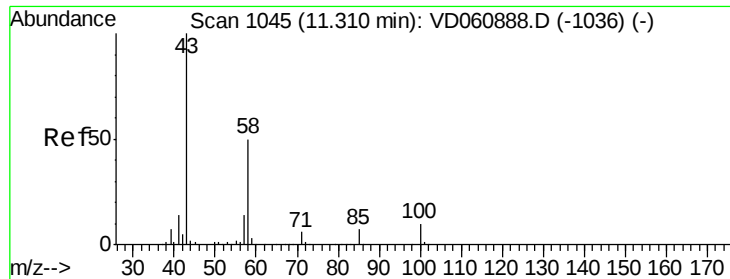
Tot Ion: 76 Resp: 1555917
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.056 ug/l
 RT: 9.62 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 63 Resp: 2651246
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.5 35.3





#59

2-Hexanone

Concen: 247.913 ug/l

RT: 11.31 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

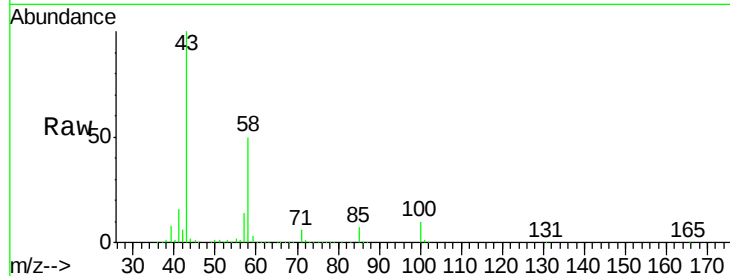
VSTDIC075

Tot Ion: 43 Resp: 2717344

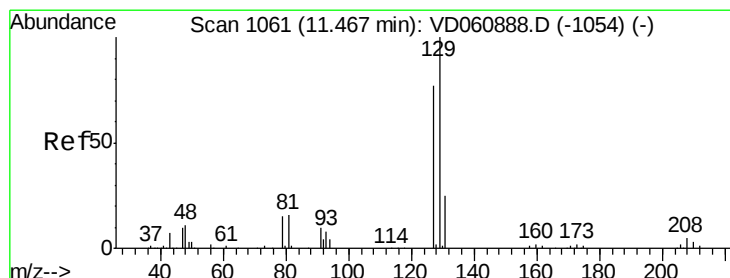
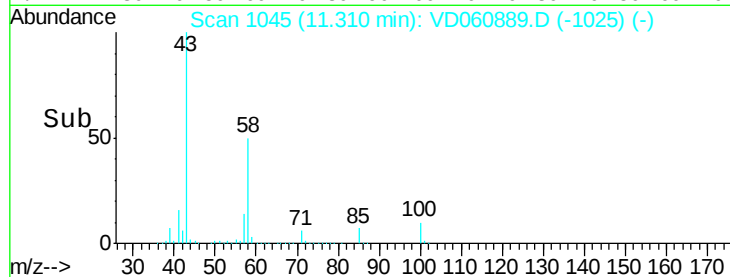
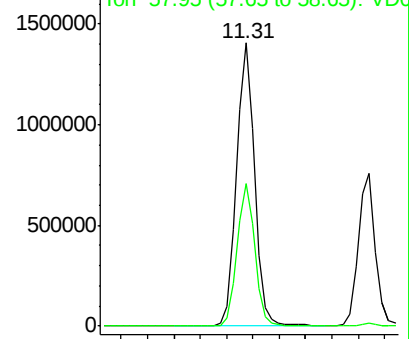
Ion Ratio Lower Upper

43 100

58 50.2 25.1 75.3



Abundance Ion 42.95 (42.65 to 43.65): VDC



#60

Dibromochloromethane

Concen: 64.907 ug/l

RT: 11.47 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VD060889.D

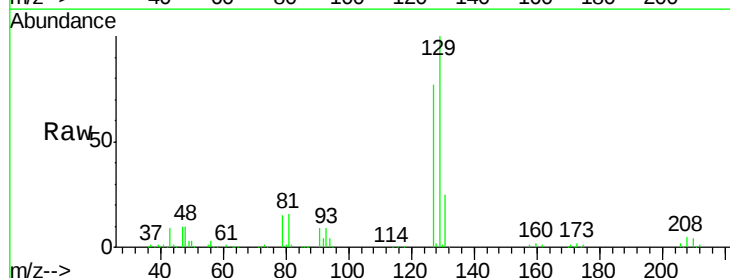
Acq: 21 Feb 2019 18:52

Tgt Ion:129 Resp: 1432832

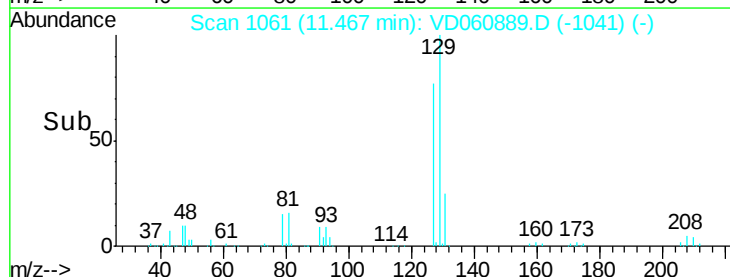
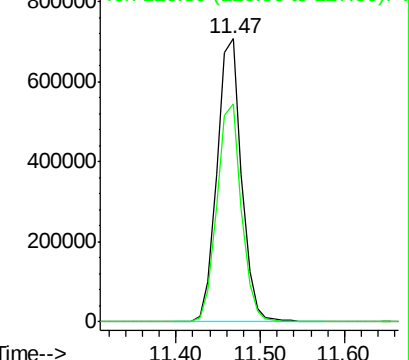
Ion Ratio Lower Upper

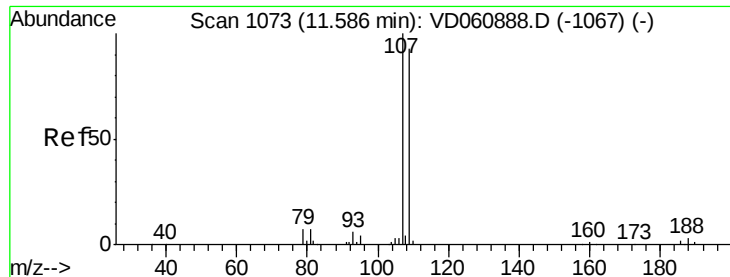
129 100

127 77.2 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

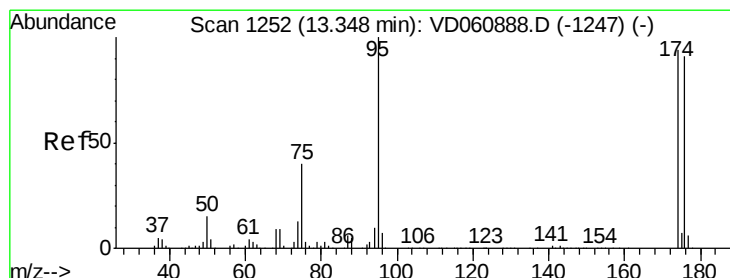
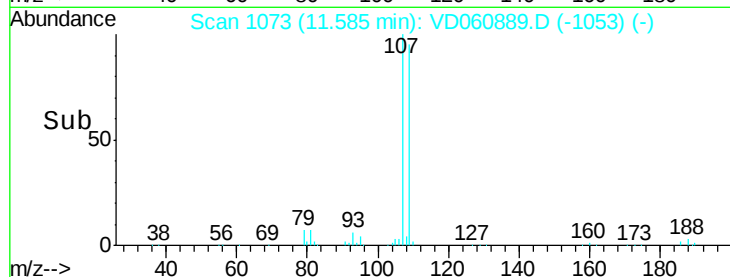
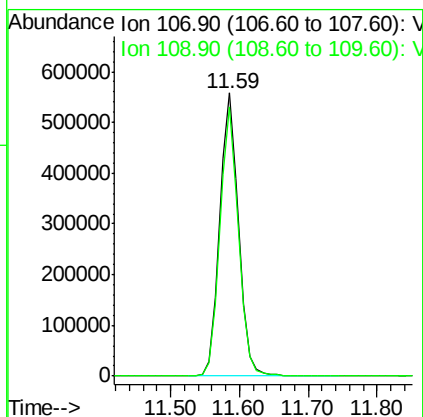
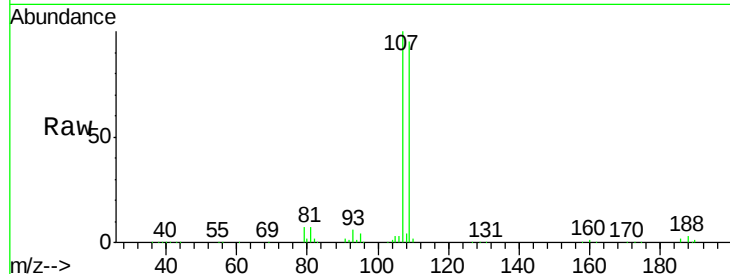




#61
1,2-Dibromoethane
Concen: 64.739 ug/l
RT: 11.59 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

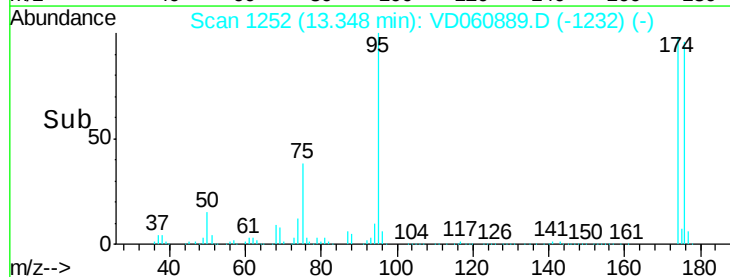
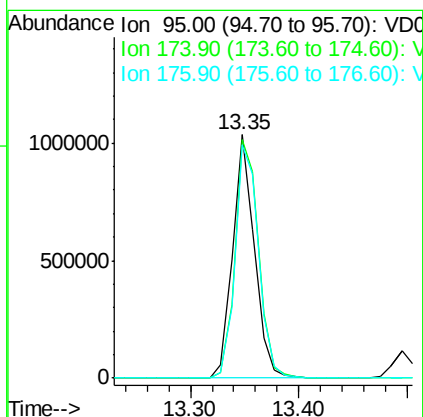
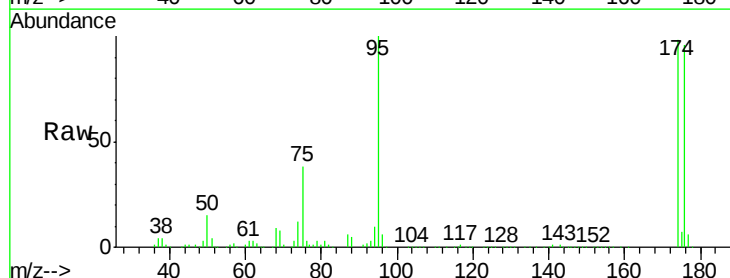
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

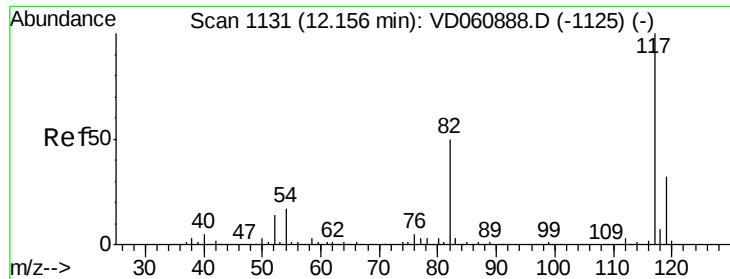
Tot Ion:107 Resp: 1050984
Ion Ratio Lower Upper
107 100
109 95.0 74.1 111.1



#62
4-Bromofluorobenzene
Concen: 64.739 ug/l
RT: 13.35 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 95 Resp: 1453923
Ion Ratio Lower Upper
95 100
174 97.8 0.0 188.0
176 96.0 0.0 181.2

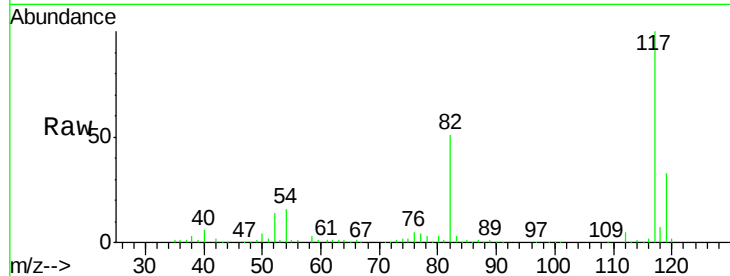




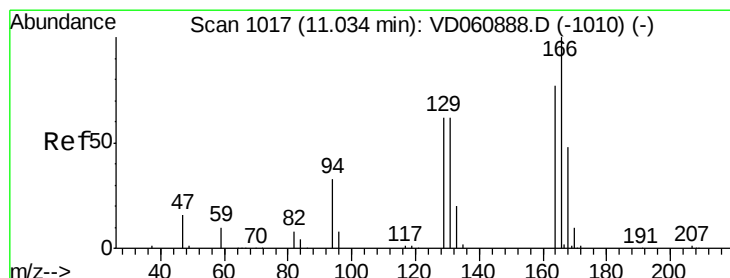
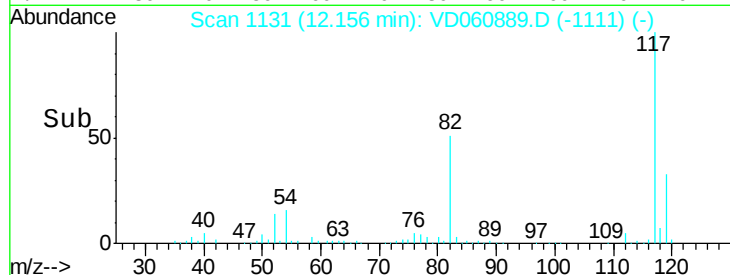
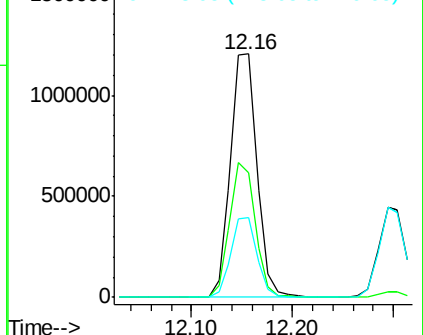
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 2198859
Ion Ratio Lower Upper
117 100
82 51.4 40.3 60.5
119 32.7 25.8 38.6

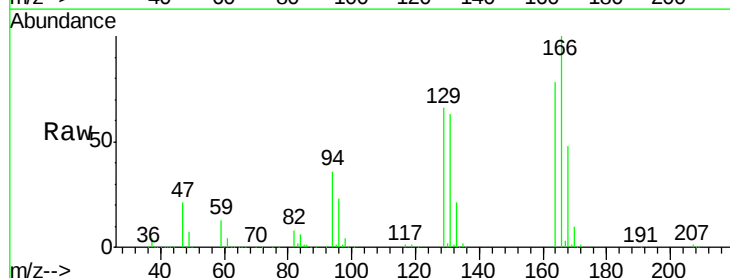


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

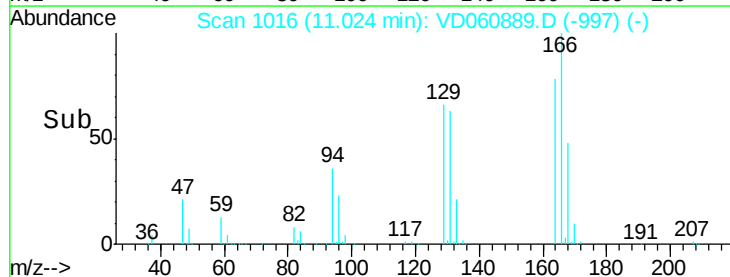
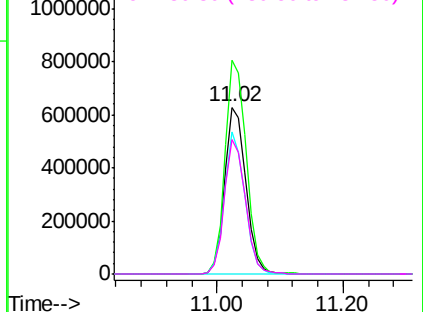


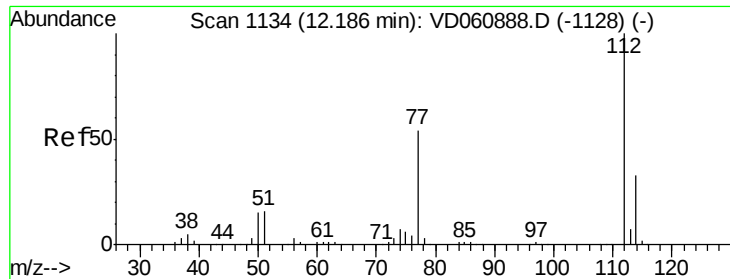
#64
Tetrachloroethene
Concen: 70.572 ug/l
RT: 11.02 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion:164 Resp: 1457869
Ion Ratio Lower Upper
164 100
166 128.0 103.9 155.9
129 84.8 64.4 96.6
131 80.4 64.2 96.4



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

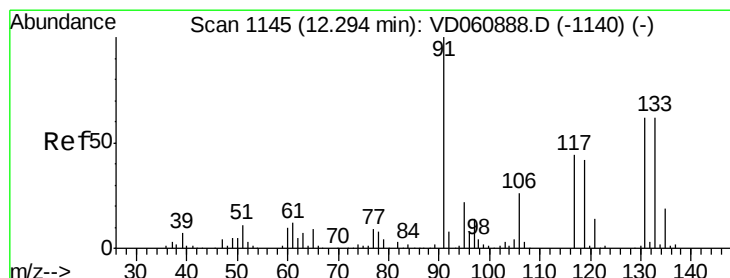
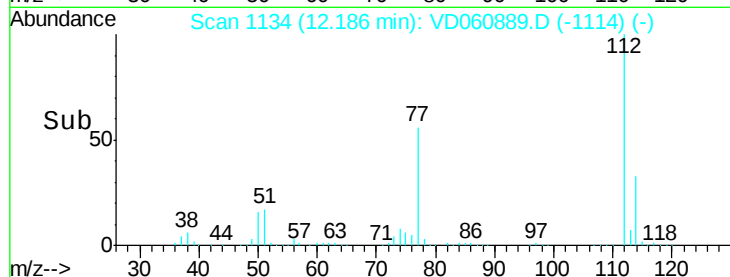
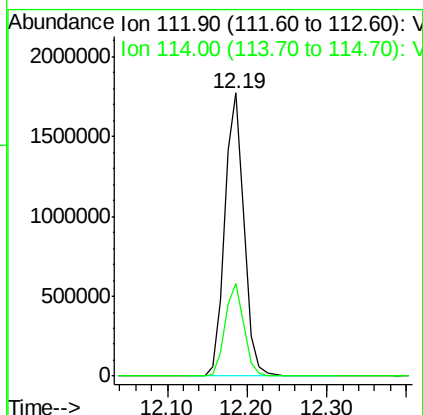
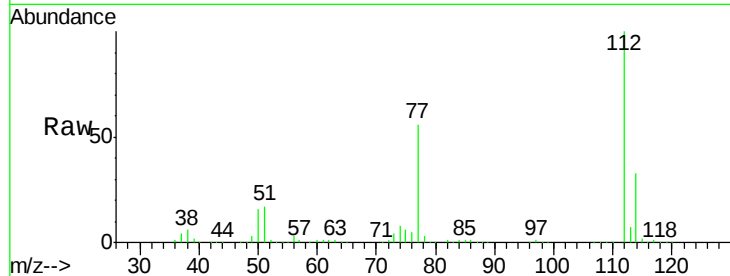




#65
Chlorobenzene
Concen: 66.063 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

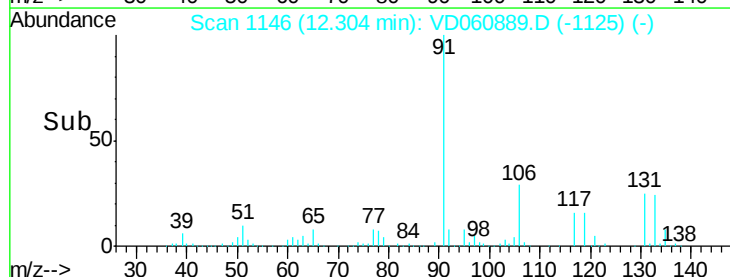
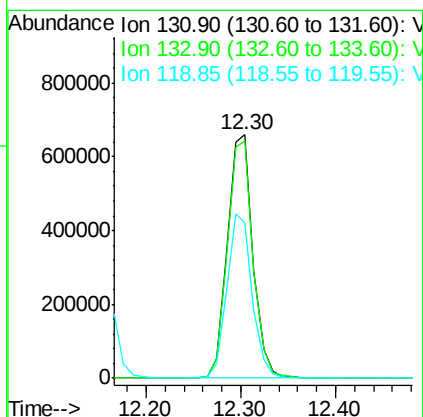
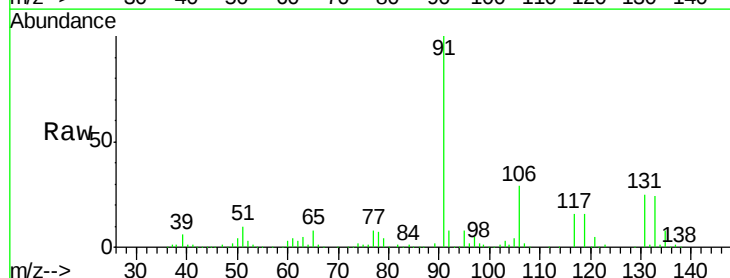
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

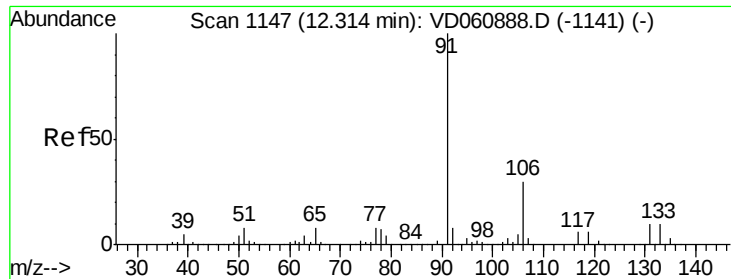
Tot Ion:112 Resp: 3016904
Ion Ratio Lower Upper
112 100
114 32.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 61.977 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion:131 Resp: 1222882
Ion Ratio Lower Upper
131 100
133 97.5 49.3 147.9
119 63.7 33.5 100.5

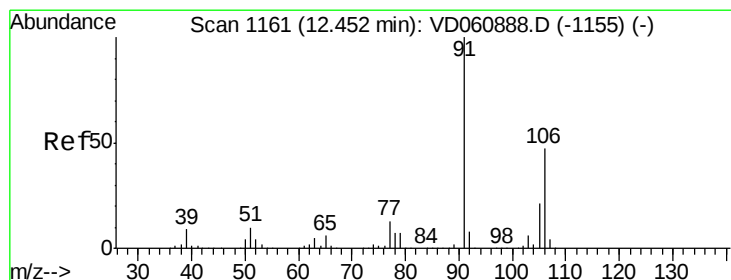
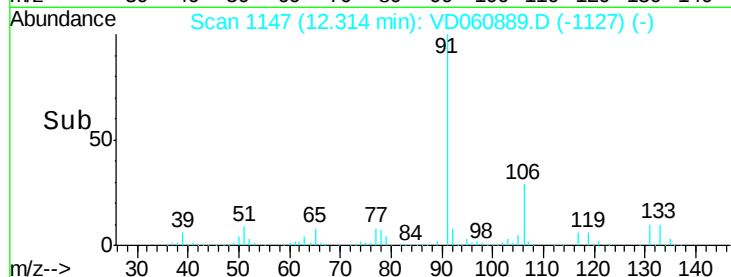
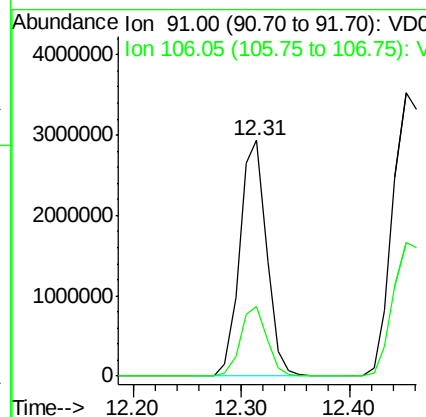
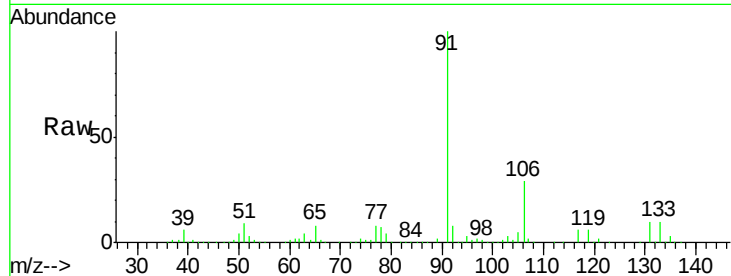




#67
Ethyl Benzene
Concen: 58.870 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

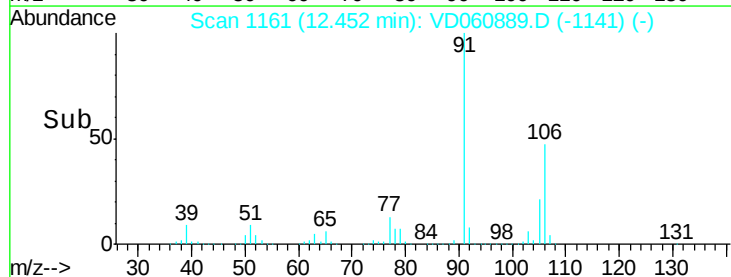
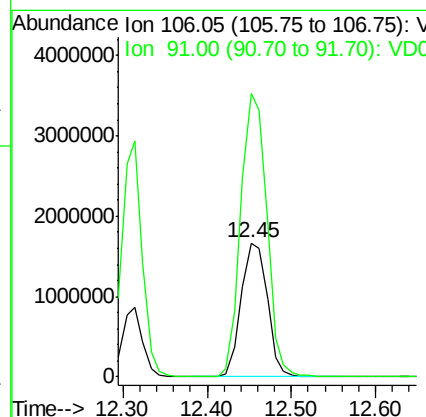
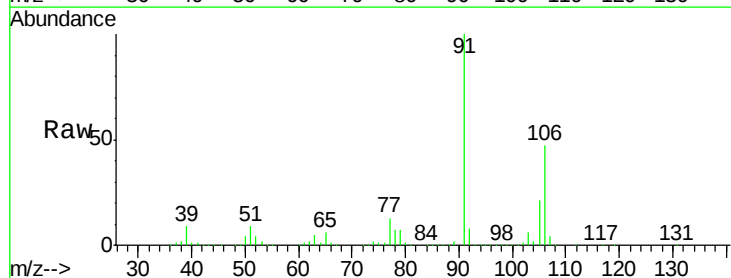
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

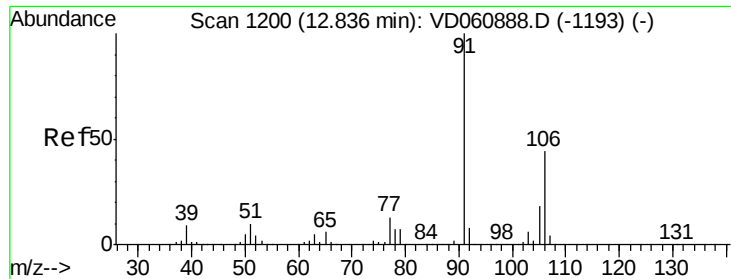
Tot Ion: 91 Resp: 5068799
Ion Ratio Lower Upper
91 100
106 29.4 23.7 35.5



#68
m/p-Xylenes
Concen: 124.826 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 106 Resp: 3612244
Ion Ratio Lower Upper
106 100
91 211.1 169.6 254.4

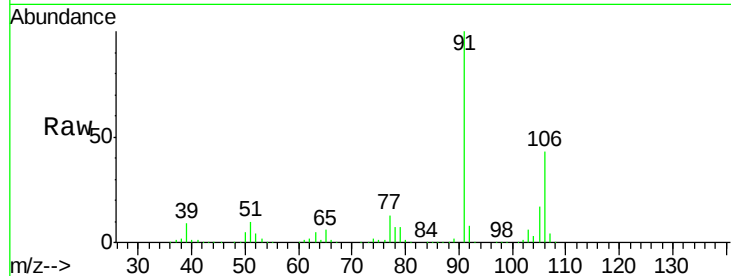




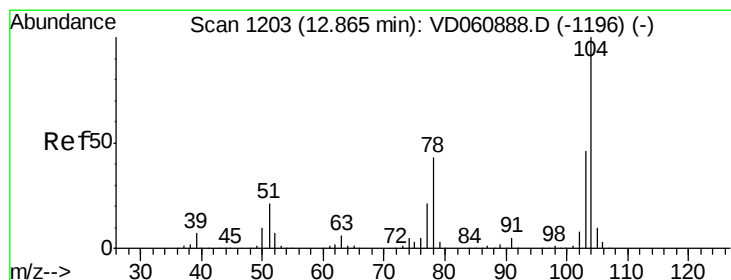
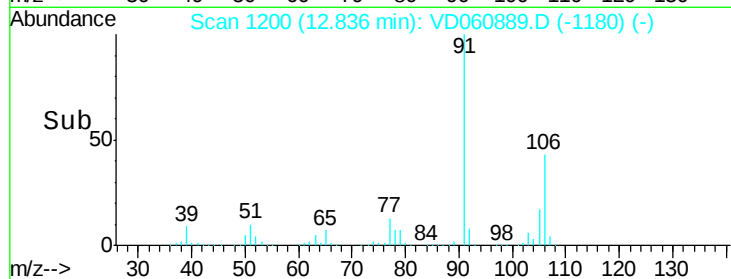
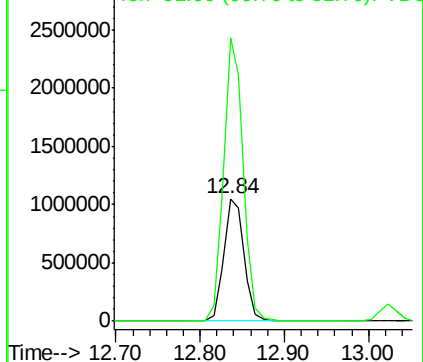
#69
o-Xylene
Concen: 63.118 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1737239
Ion Ratio Lower Upper
106 100
91 231.5 113.7 341.1

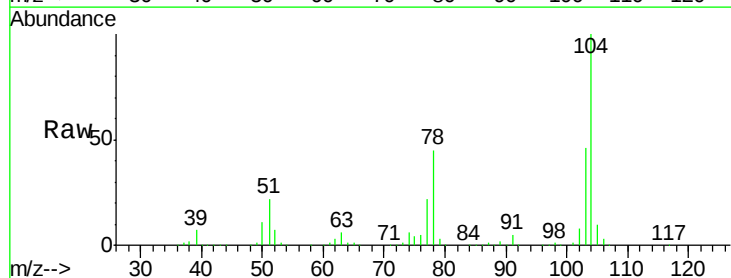


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

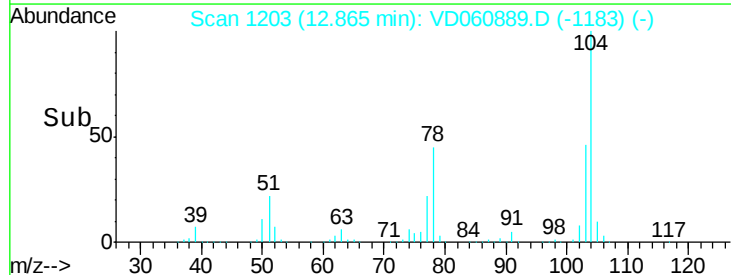
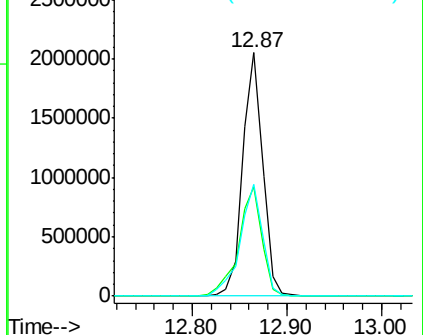


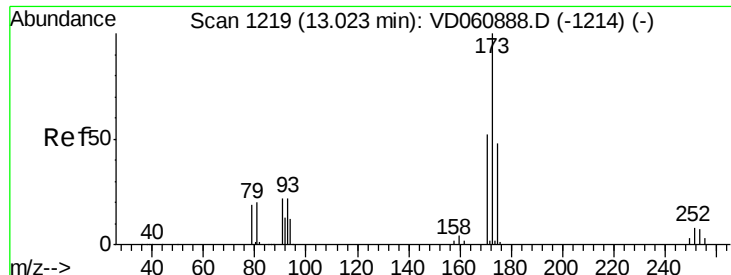
#70
Styrene
Concen: 67.695 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion:104 Resp: 3007912
Ion Ratio Lower Upper
104 100
78 45.1 34.7 52.1
103 46.2 36.6 55.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 68.161 ug/l

RT: 13.02 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

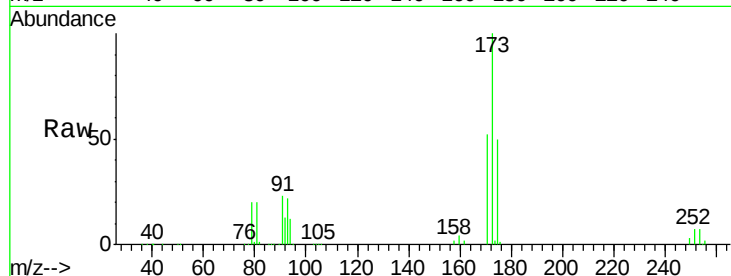
Tot Ion:173 Resp: 981712

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

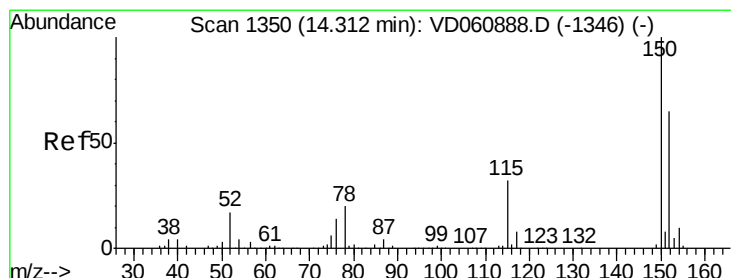
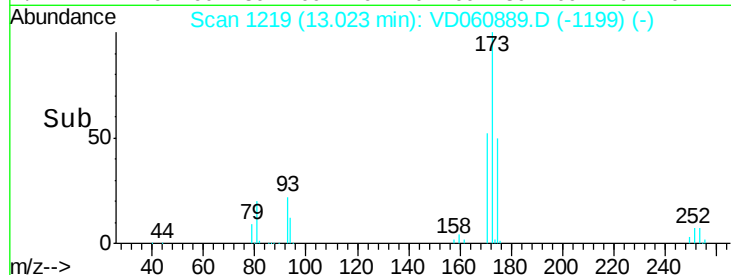
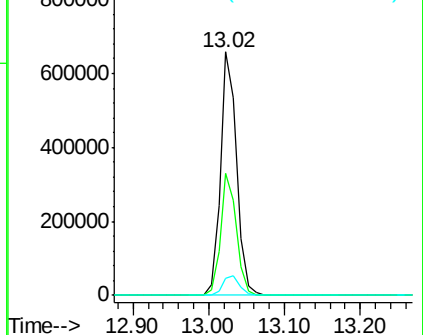
254 7.2 5.7 8.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

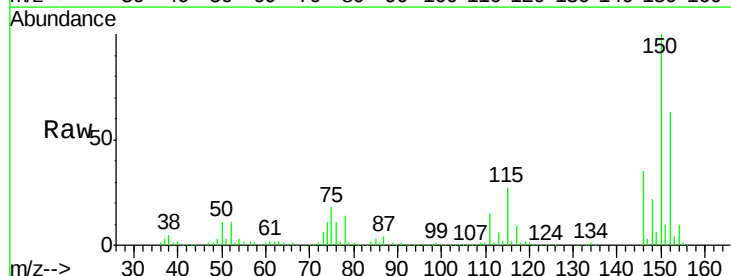
Tgt Ion:152 Resp: 1210818

Ion Ratio Lower Upper

152 100

115 42.7 26.3 78.9

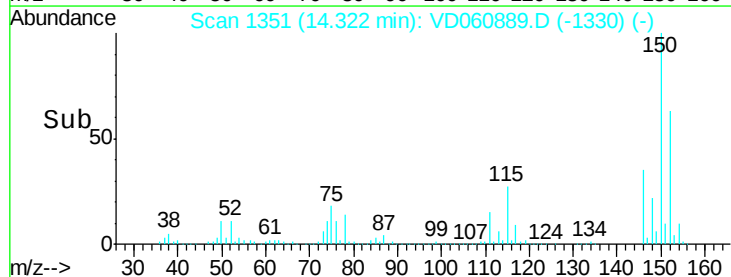
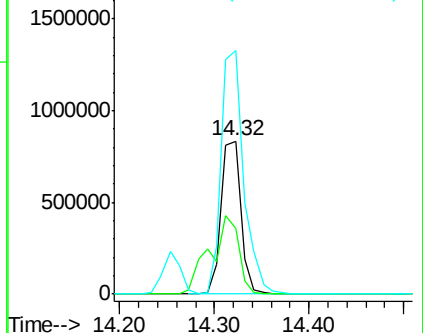
150 159.0 0.0 312.0

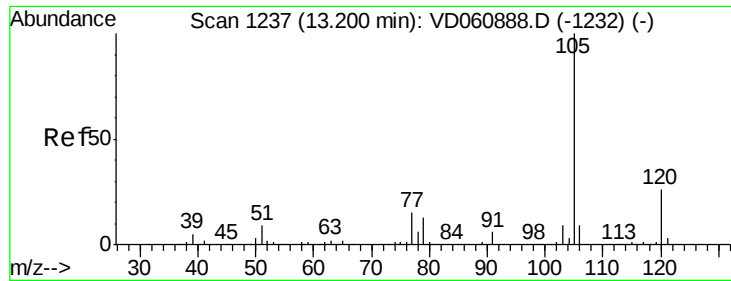


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

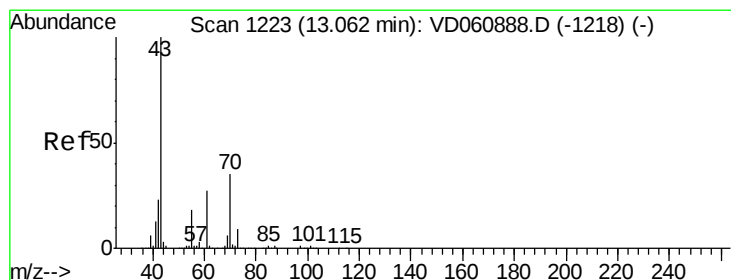
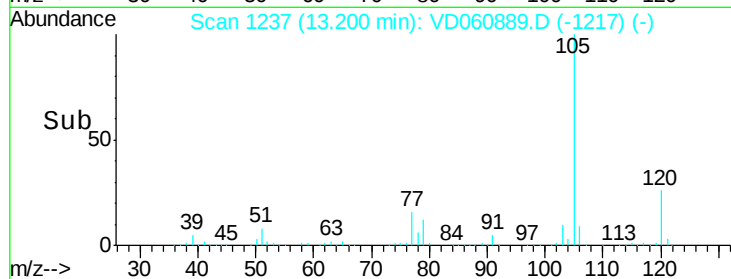
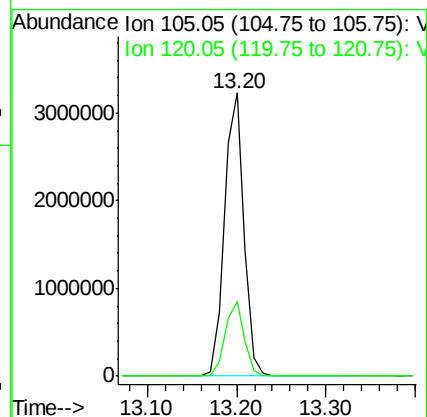
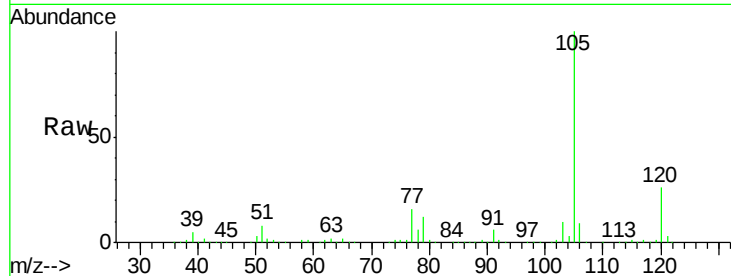




#73
Isopropylbenzene
Concen: 56.089 ug/l
RT: 13.20 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

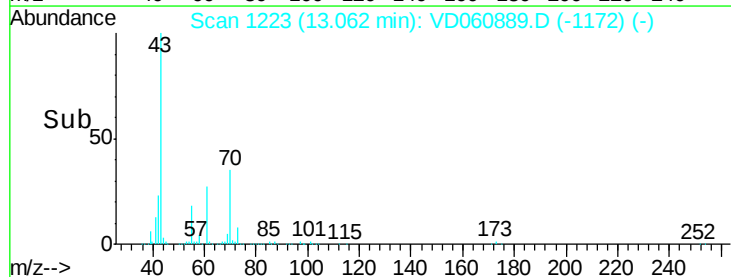
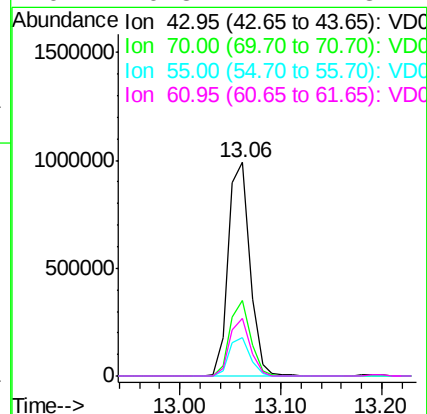
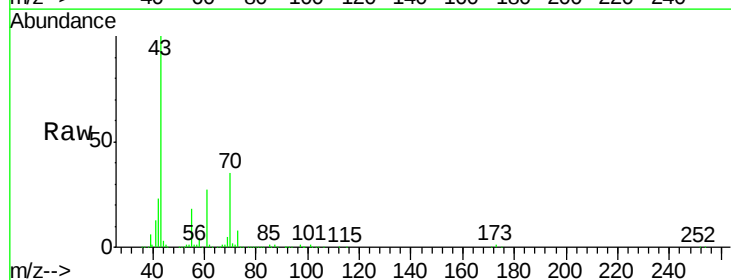
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

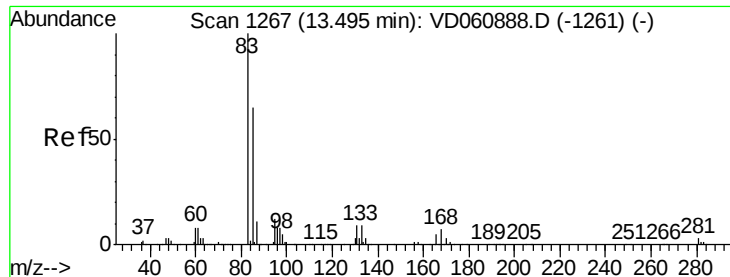
Tot Ion:105 Resp: 4955430
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.1



#74
N-ethyl acetate
Concen: 46.467 ug/l
RT: 13.06 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 43 Resp: 1490173
Ion Ratio Lower Upper
43 100
70 35.4 28.4 42.6
55 18.1 14.0 21.0
61 26.8 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 65.826 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

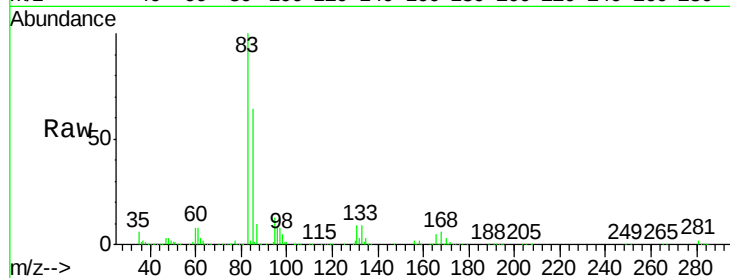
Tot Ion: 83 Resp: 1152063

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.4

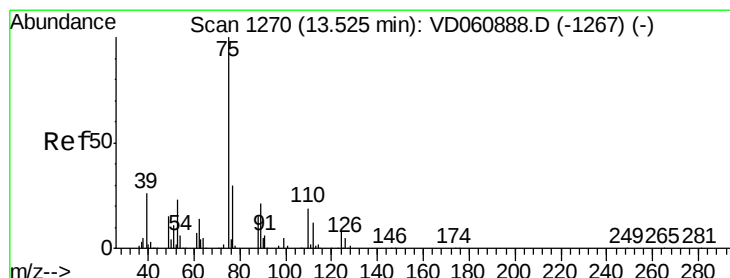
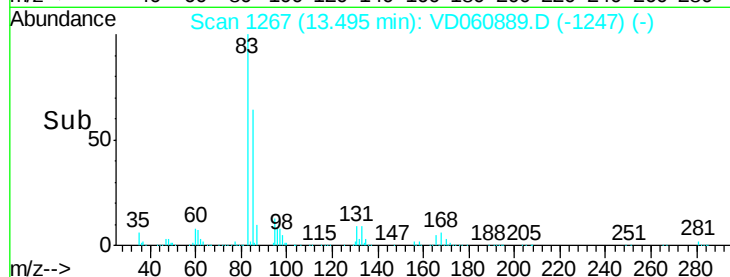
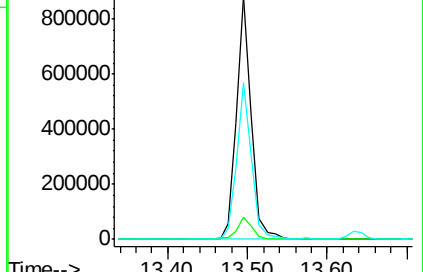
85 64.4 32.7 98.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 58.182 ug/l

RT: 13.52 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD060889.D

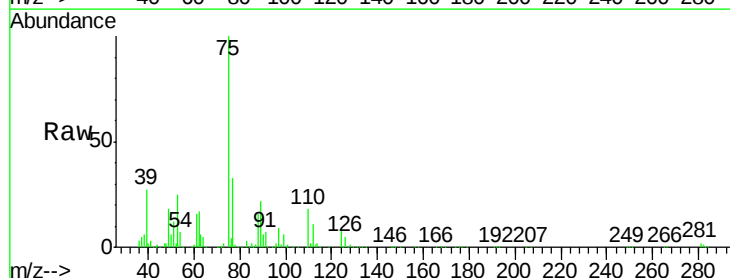
Acq: 21 Feb 2019 18:52

Tgt Ion: 75 Resp: 1160066

Ion Ratio Lower Upper

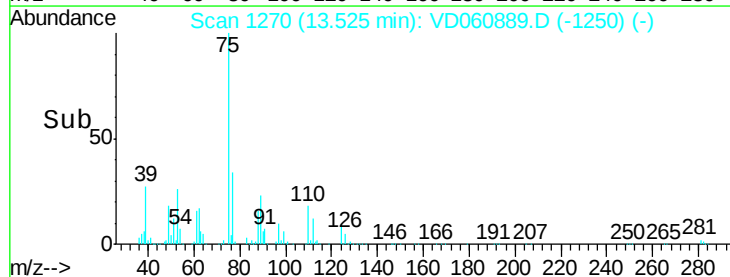
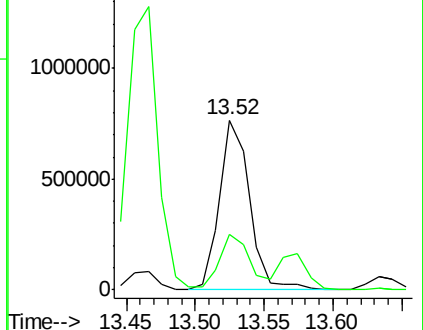
75 100

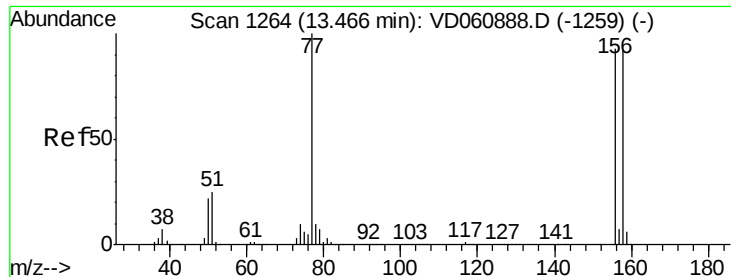
77 32.7 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.006 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

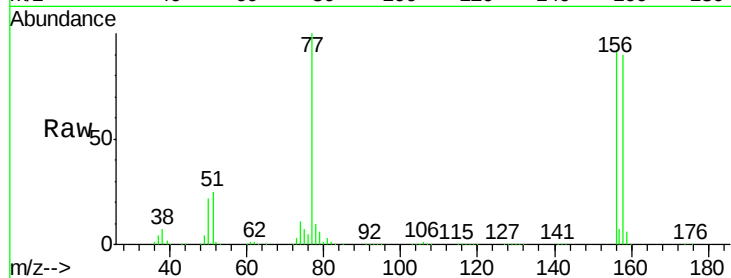
Tot Ion:156 Resp: 1605905

Ion	Ratio	Lower	Upper
156	100		
77	109.2	53.8	161.4
158	98.6	49.3	147.9

156 100

77 109.2 53.8 161.4

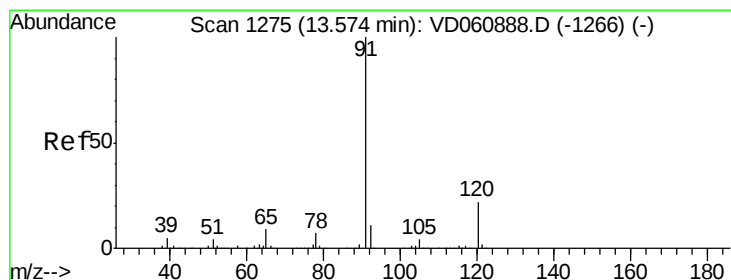
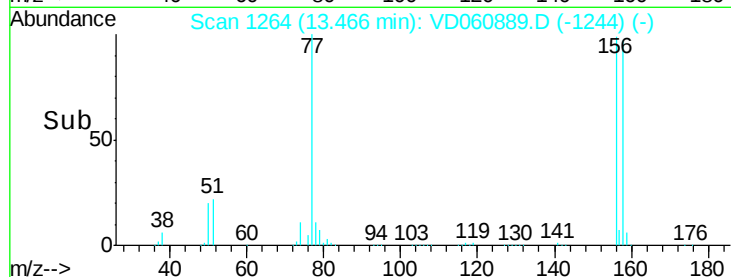
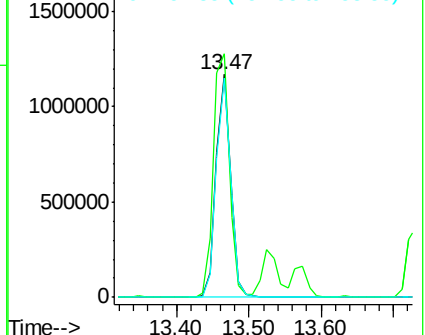
158 98.6 49.3 147.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.210 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VD060889.D

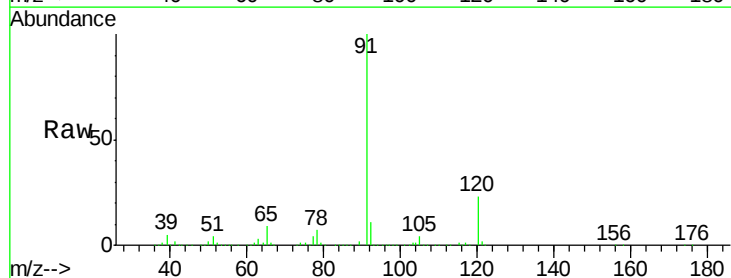
Acq: 21 Feb 2019 18:52

Tgt Ion: 91 Resp: 6345555

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.6

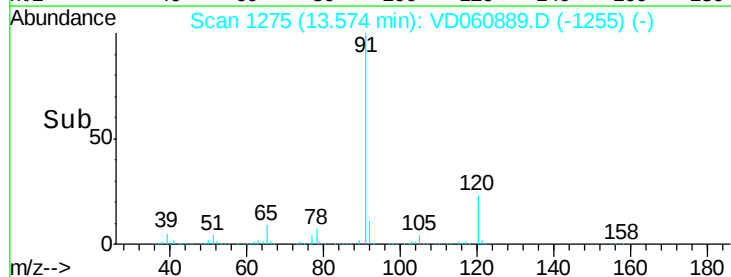
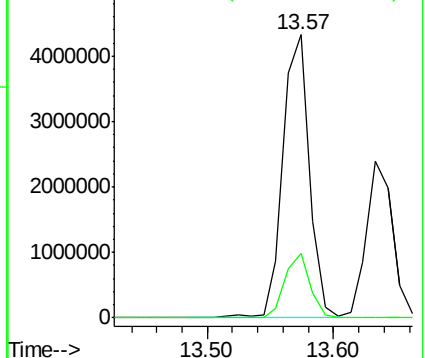
91 100

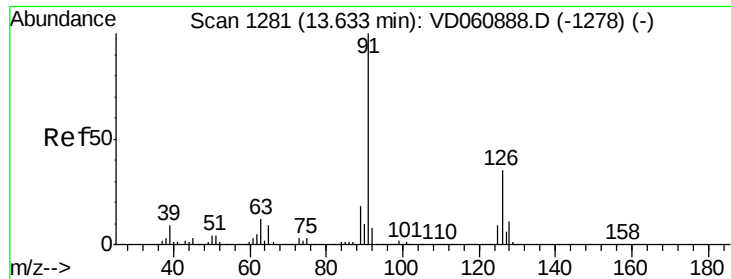
120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 54.349 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

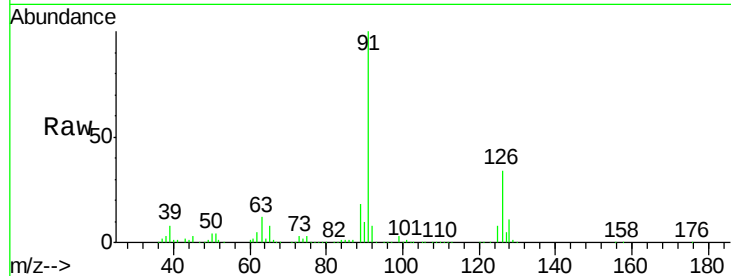
VSTDIC075

Tot Ion: 91 Resp: 3456706

Ion Ratio Lower Upper

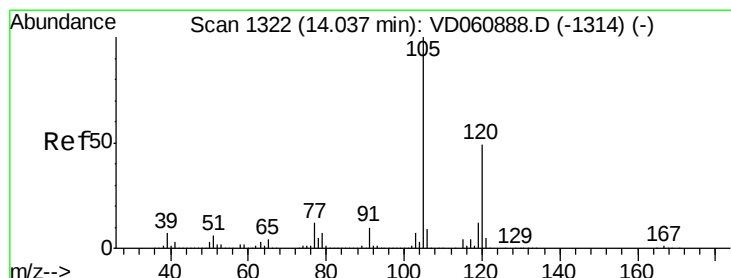
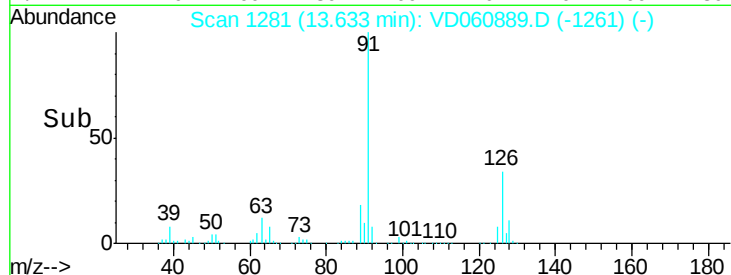
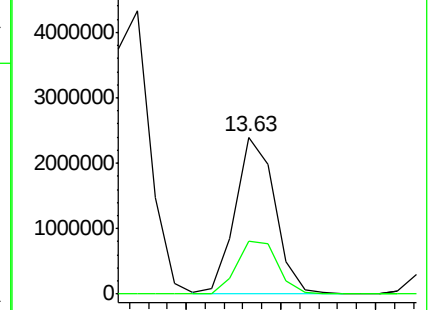
91 100

126 33.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.503 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VD060889.D

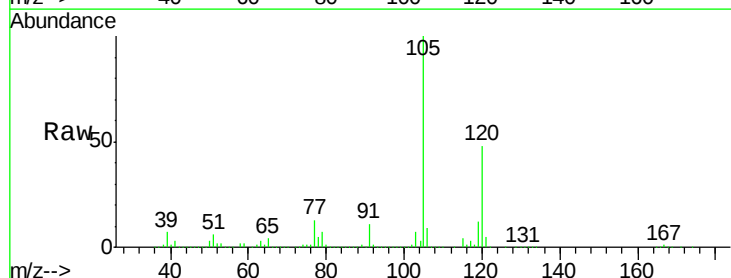
Acq: 21 Feb 2019 18:52

Tgt Ion: 105 Resp: 3773673

Ion Ratio Lower Upper

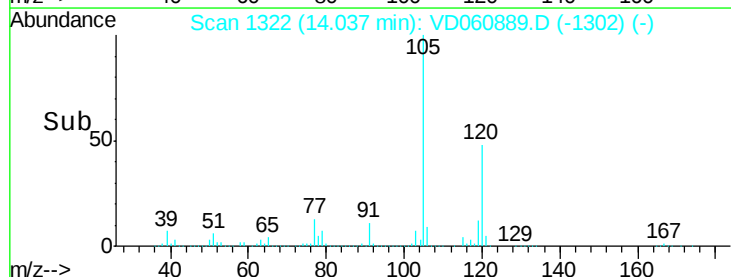
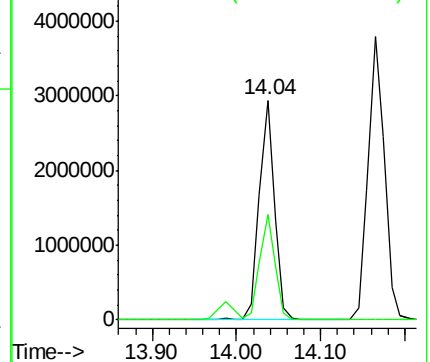
105 100

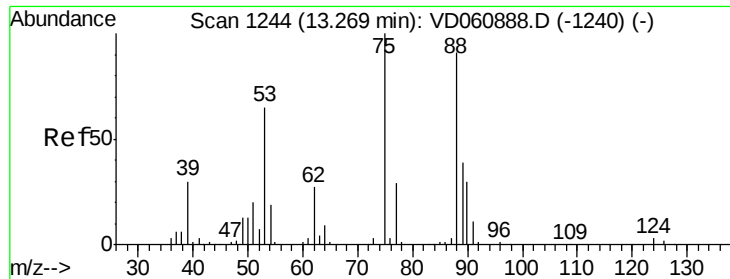
120 48.0 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 67.841 ug/l

RT: 13.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

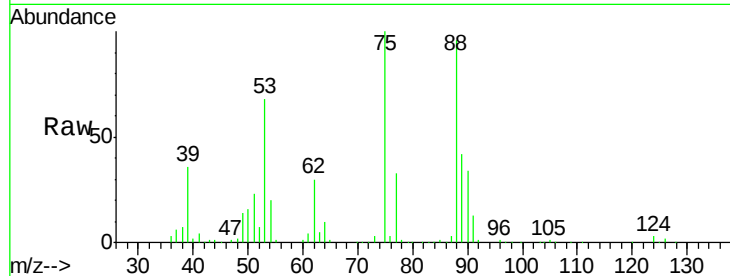
Tot Ion: 75 Resp: 357141

Ion Ratio Lower Upper

75 100

53 67.8 51.8 77.6

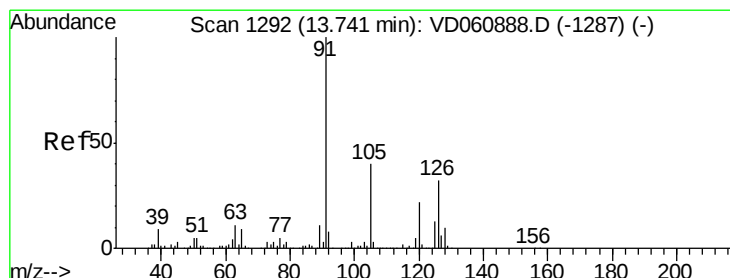
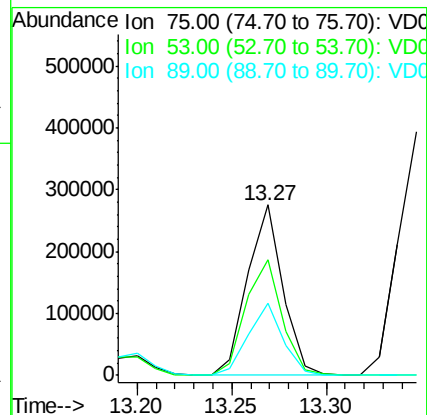
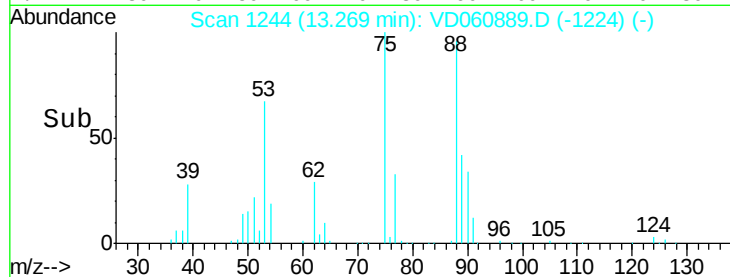
89 42.2 31.0 46.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.987 ug/l

RT: 13.74 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VD060889.D

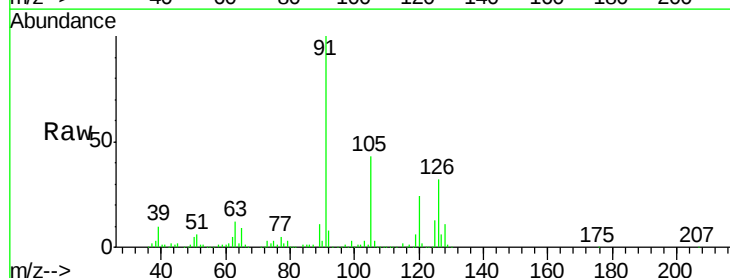
Acq: 21 Feb 2019 18:52

Tgt Ion: 91 Resp: 3902598

Ion Ratio Lower Upper

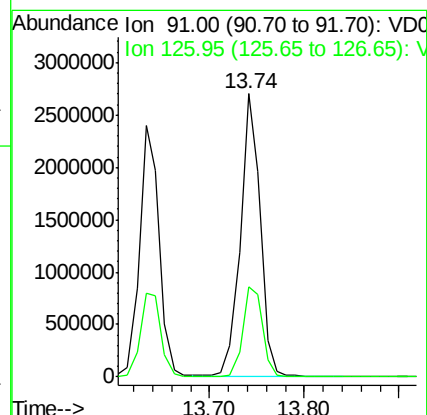
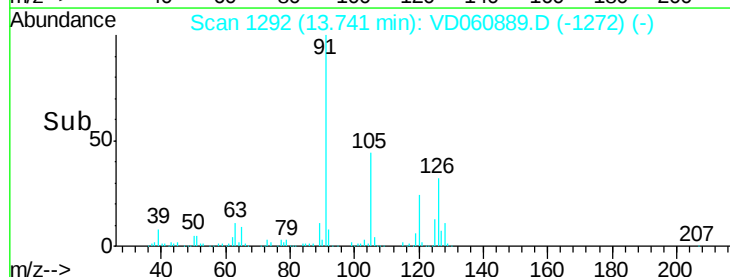
91 100

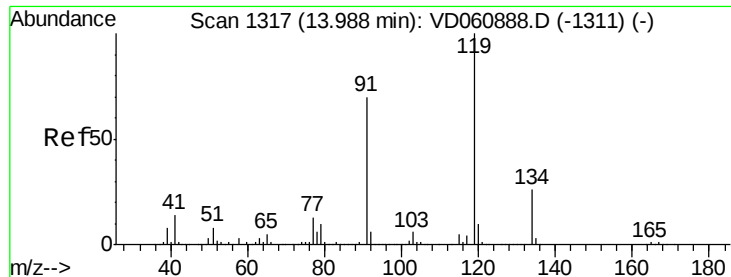
126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

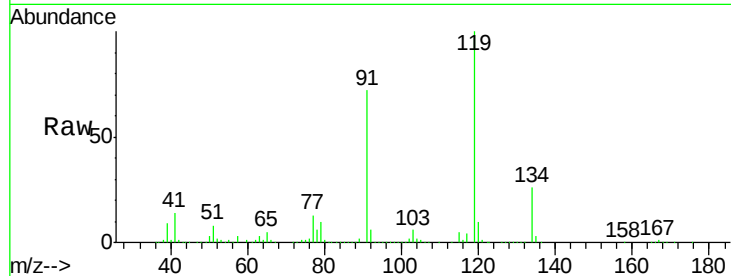




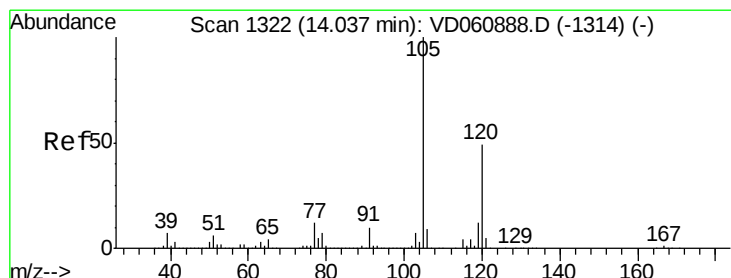
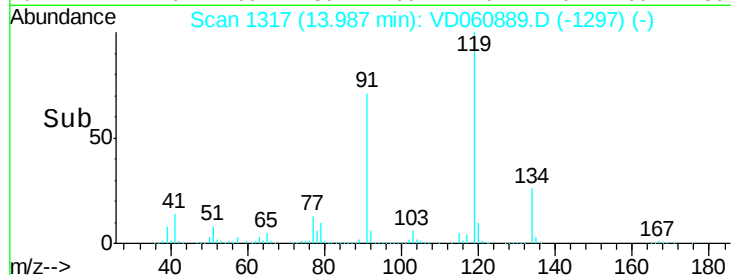
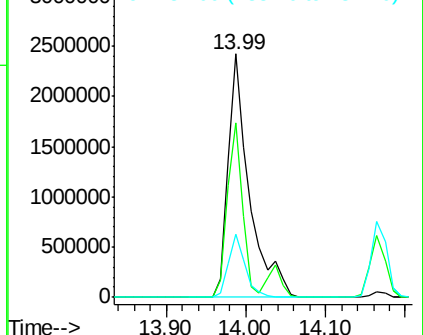
#83
tert-Butylbenzene
Concen: 55.584 ug/l
RT: 13.99 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:119 Resp: 4534432
Ion Ratio Lower Upper
119 100
91 71.9 34.9 104.8
134 25.8 13.2 39.6

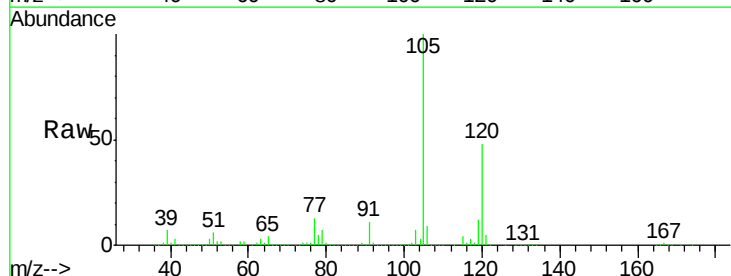


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

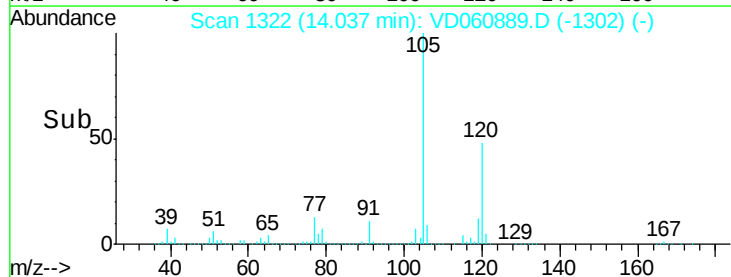
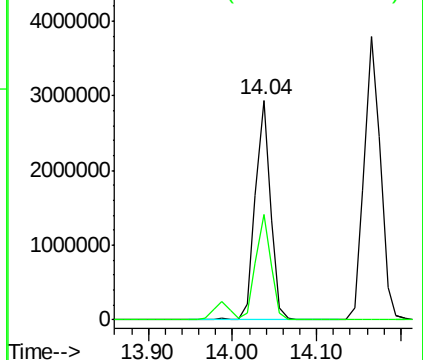


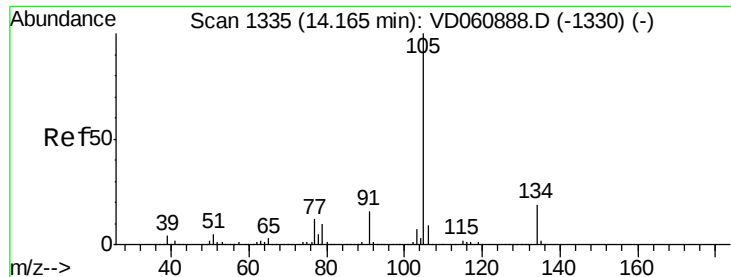
#84
1,2,4-Trimethylbenzene
Concen: 51.503 ug/l
RT: 14.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion:105 Resp: 3773673
Ion Ratio Lower Upper
105 100
120 48.0 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

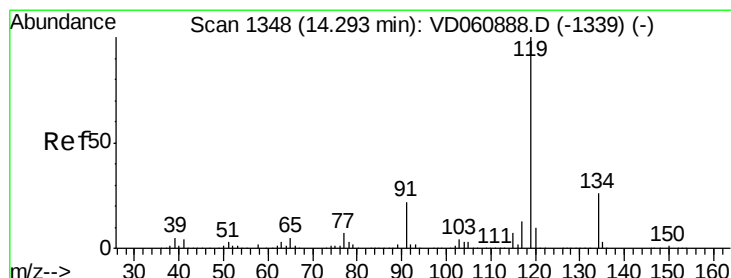
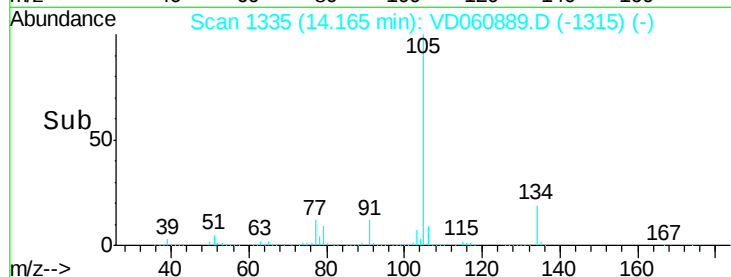
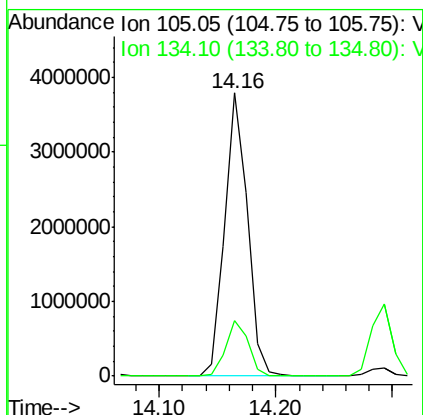
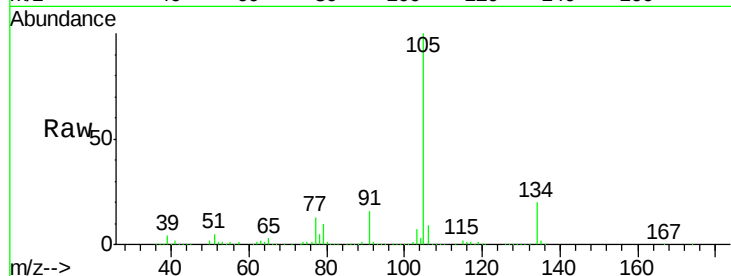




#85
 sec-Butylbenzene
 Concen: 57.298 ug/l
 RT: 14.16 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

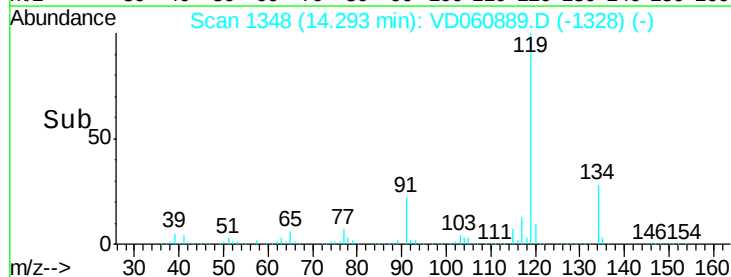
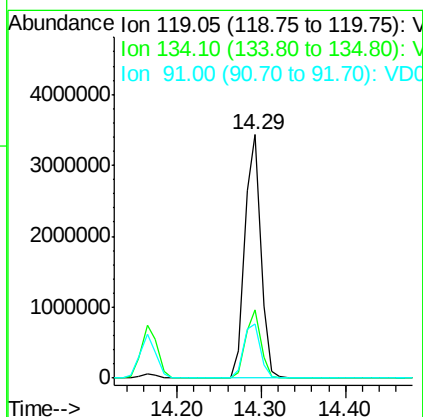
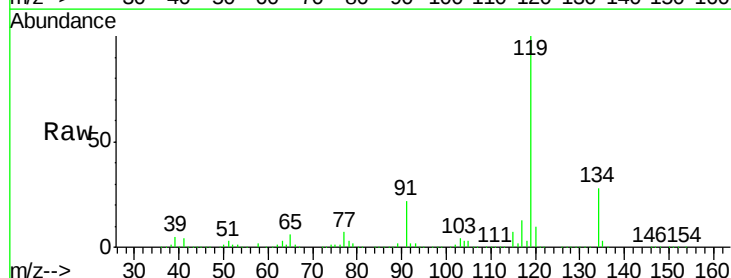
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

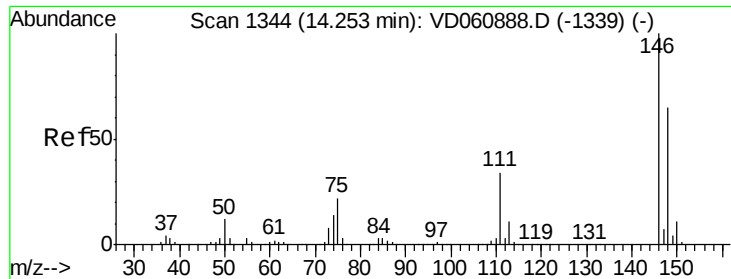
Tot Ion:105 Resp: 5117681
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 60.502 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion:119 Resp: 4532926
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.3 39.8
 91 22.5 11.3 33.9

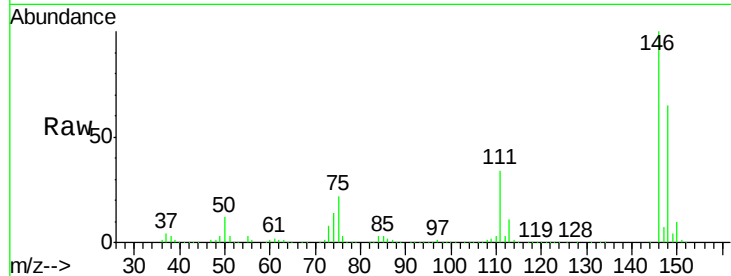




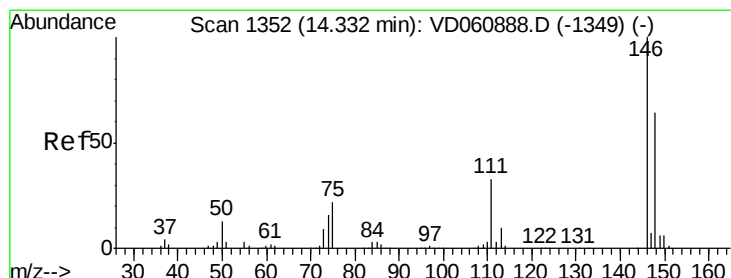
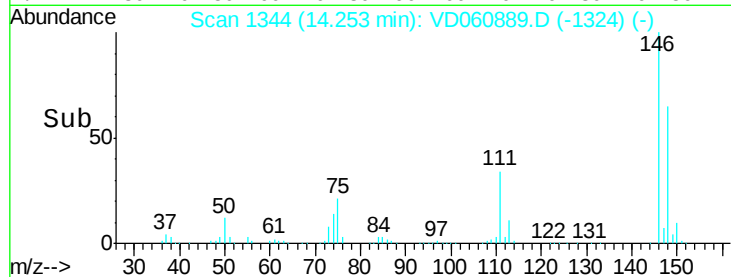
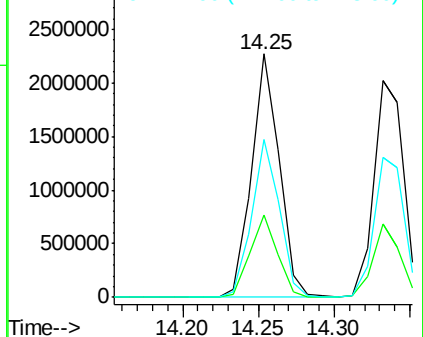
#87
 1,3-Dichlorobenzene
 Concen: 68.864 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 2893390
 Ion Ratio Lower Upper
 146 100
 111 33.9 17.3 51.7
 148 65.0 32.6 98.0

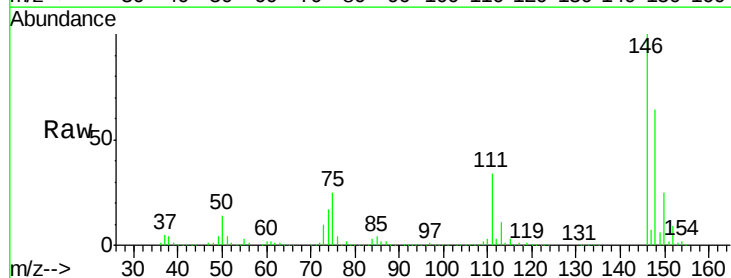


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

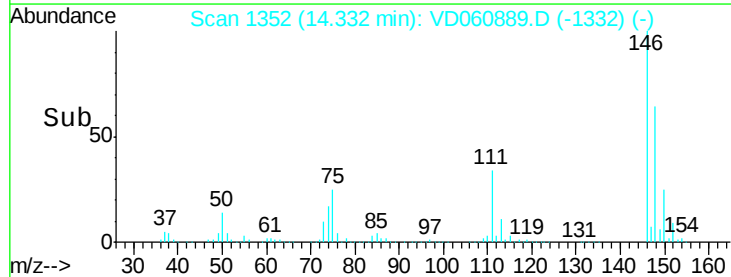
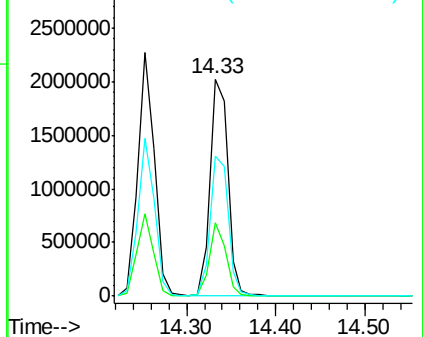


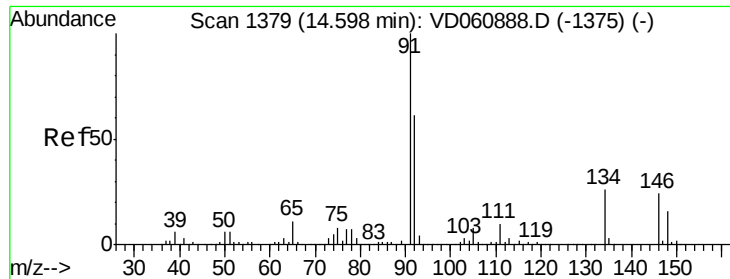
#88
 1,4-Dichlorobenzene
 Concen: 66.216 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion:146 Resp: 2800818
 Ion Ratio Lower Upper
 146 100
 111 33.9 16.5 49.5
 148 64.4 32.1 96.3



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

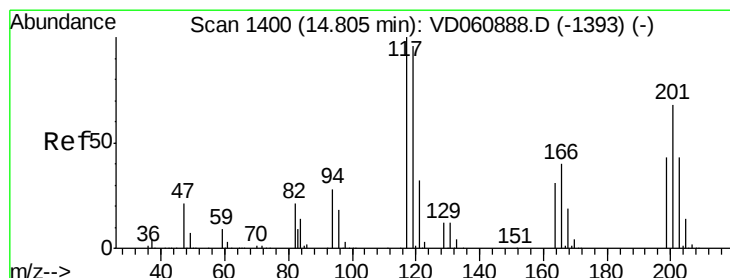
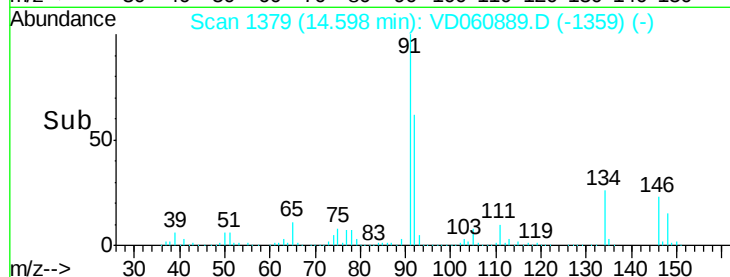
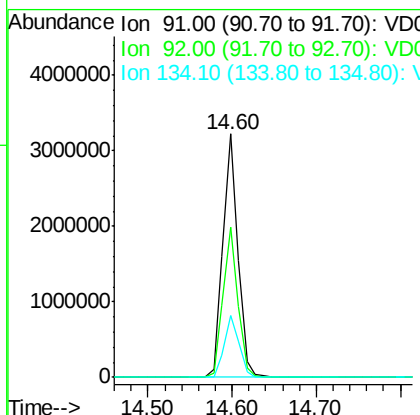
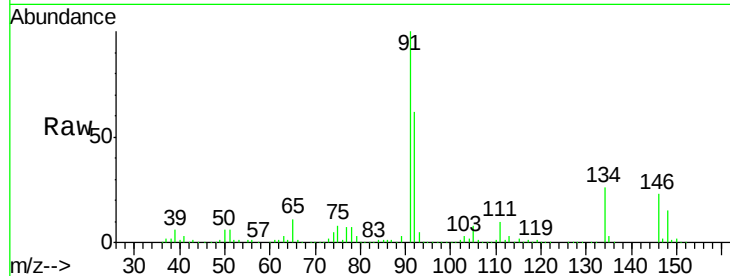




#89
n-Butylbenzene
Concen: 52.432 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

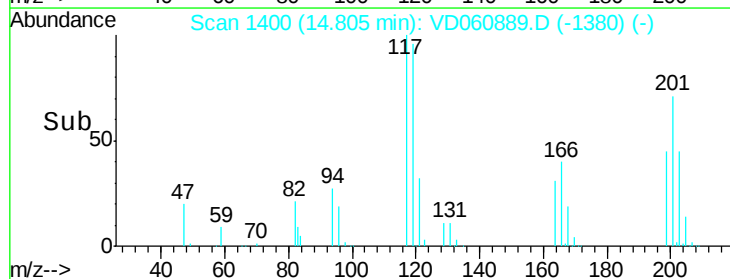
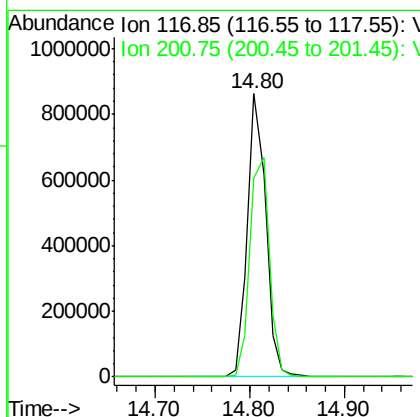
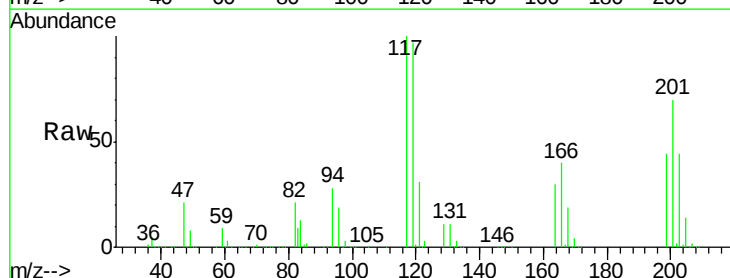
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

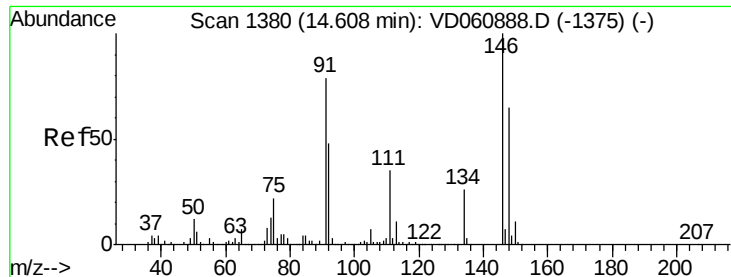
Tot Ion: 91 Resp: 4012487
Ion Ratio Lower Upper
91 100
92 61.6 30.3 90.8
134 25.7 12.8 38.3



#90
Hexachloroethane
Concen: 57.680 ug/l
RT: 14.80 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion: 117 Resp: 1163786
Ion Ratio Lower Upper
117 100
201 70.1 34.2 102.6





#91

1,2-Dichlorobenzene

Concen: 61.311 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

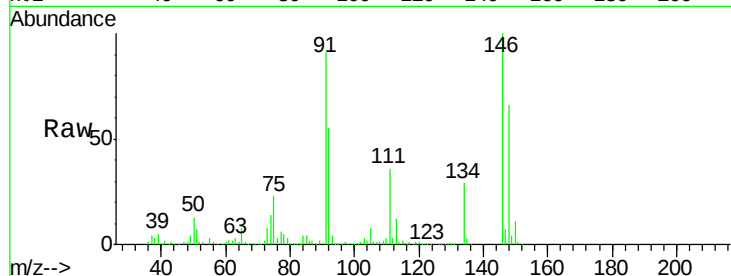
Tot Ion:146 Resp: 2200542

Ion Ratio Lower Upper

146 100

111 36.3 17.4 52.2

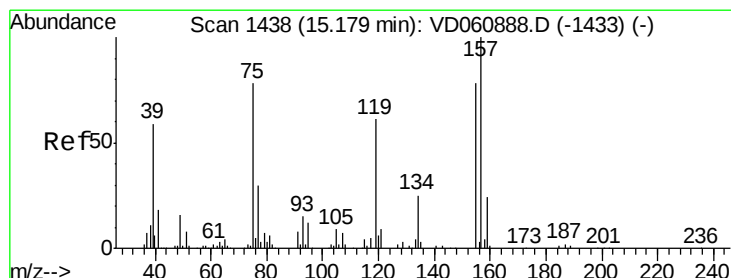
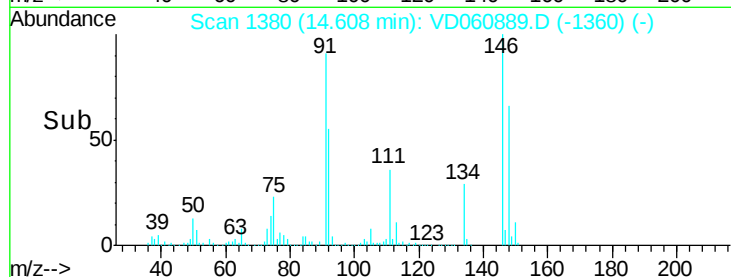
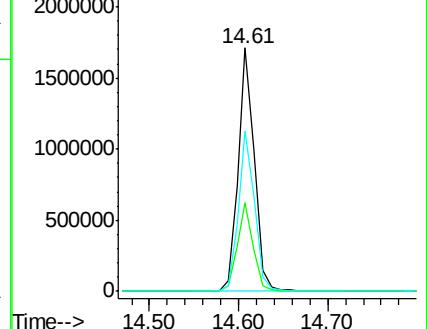
148 65.7 32.6 97.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.892 ug/l

RT: 15.18 min Scan# 1438

Delta R.T. -0.00 min

Lab File: VD060889.D

Acq: 21 Feb 2019 18:52

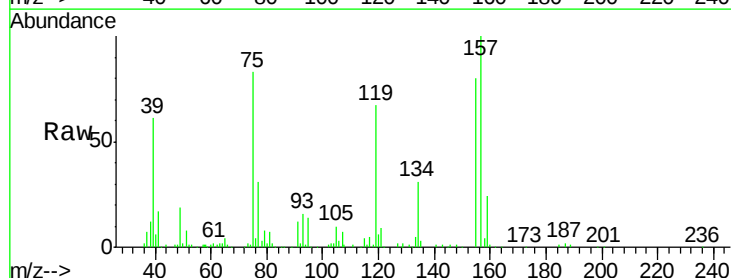
Tgt Ion: 75 Resp: 154512

Ion Ratio Lower Upper

75 100

155 96.6 49.9 149.6

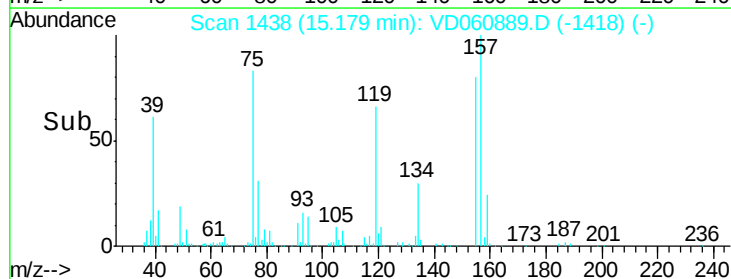
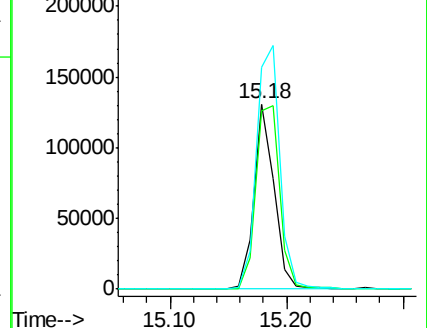
157 120.1 64.3 192.9

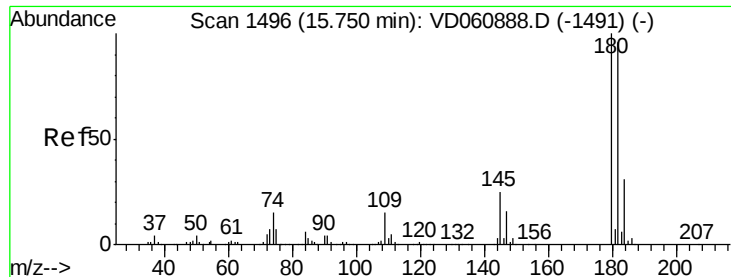


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

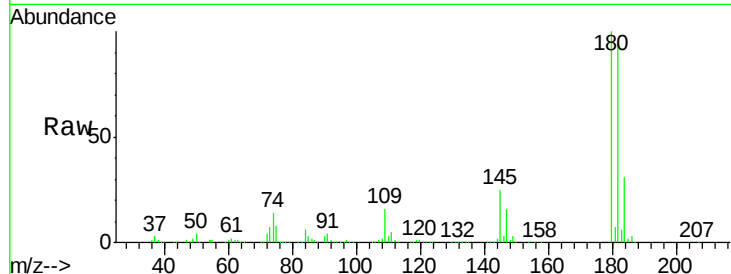




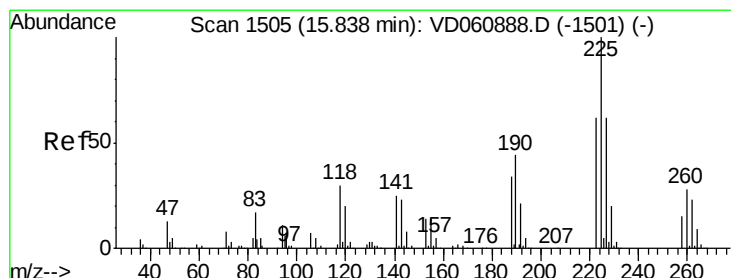
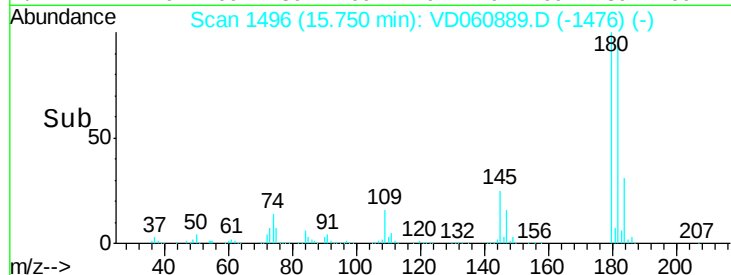
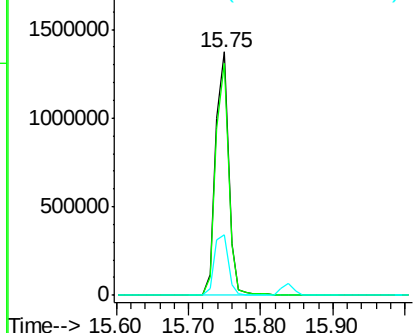
#93
 1,2,4-Trichlorobenzene
 Concen: 57.263 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 1701858
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 25.1 12.4 37.4

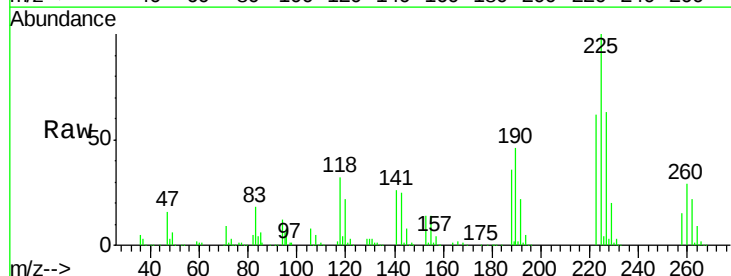


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

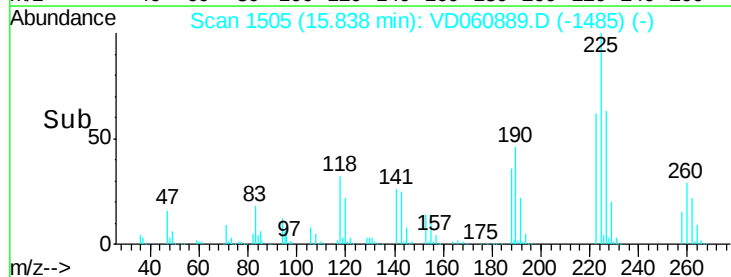
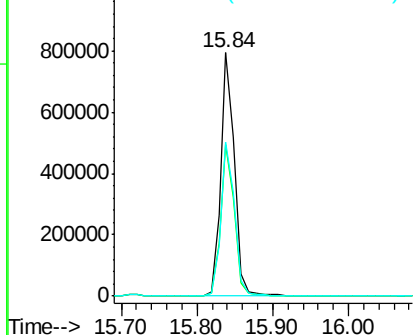


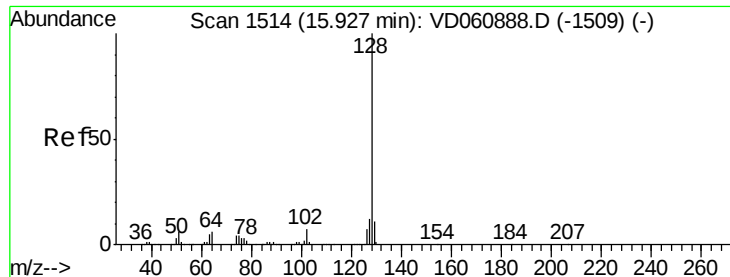
#94
 Hexachlorobutadiene
 Concen: 39.409 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion:225 Resp: 1014224
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 63.3 31.2 93.6



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

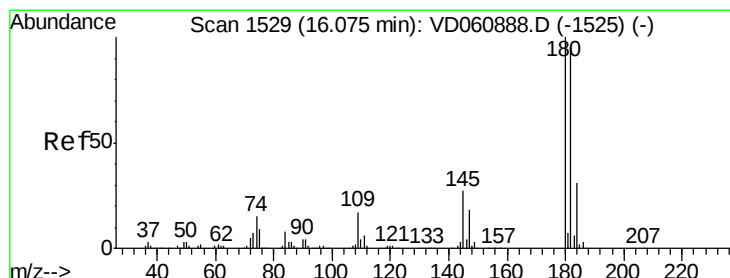
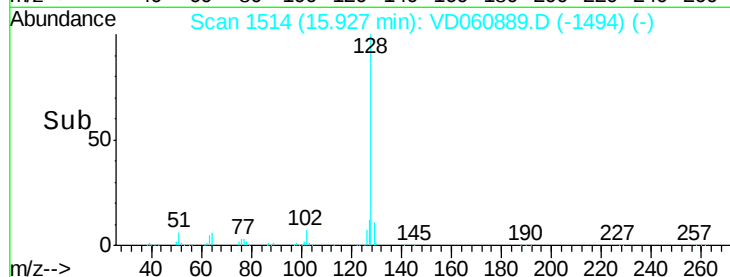
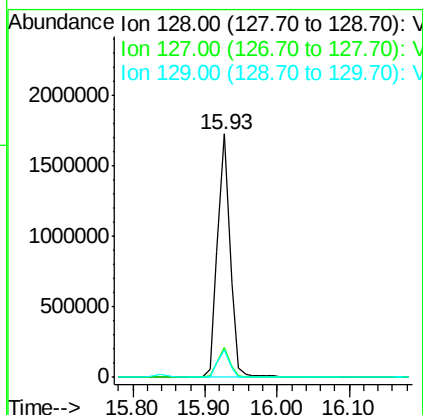
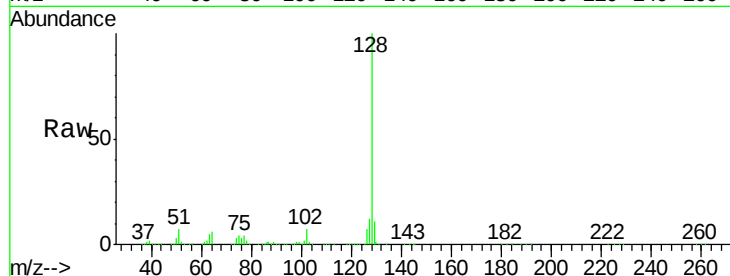




#95
Naphthalene
Concen: 52.603 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 2085332
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.6
129 11.3 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 46.744 ug/l
RT: 16.07 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Tgt Ion:180 Resp: 1122788
Ion Ratio Lower Upper
180 100
182 95.8 47.7 143.1
145 28.2 13.5 40.4

