

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 07:33:34 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

33) 1,2-Dichloroethane-d4	7.19	65	1127079	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
35) Dibromofluoromethane	6.66	113	1623824	72.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.92%	
50) Toluene-d8	10.18	98	4183379	75.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.44%	
62) 4-Bromofluorobenzene	13.35	95	1453923	61.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.54%	

Target Compounds

						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	1011847	81.564	ug/l	97
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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Quant Title : SW846 8260
QLast Update : Fri Feb 22 07:26:00 2019
Response via : Initial Calibration

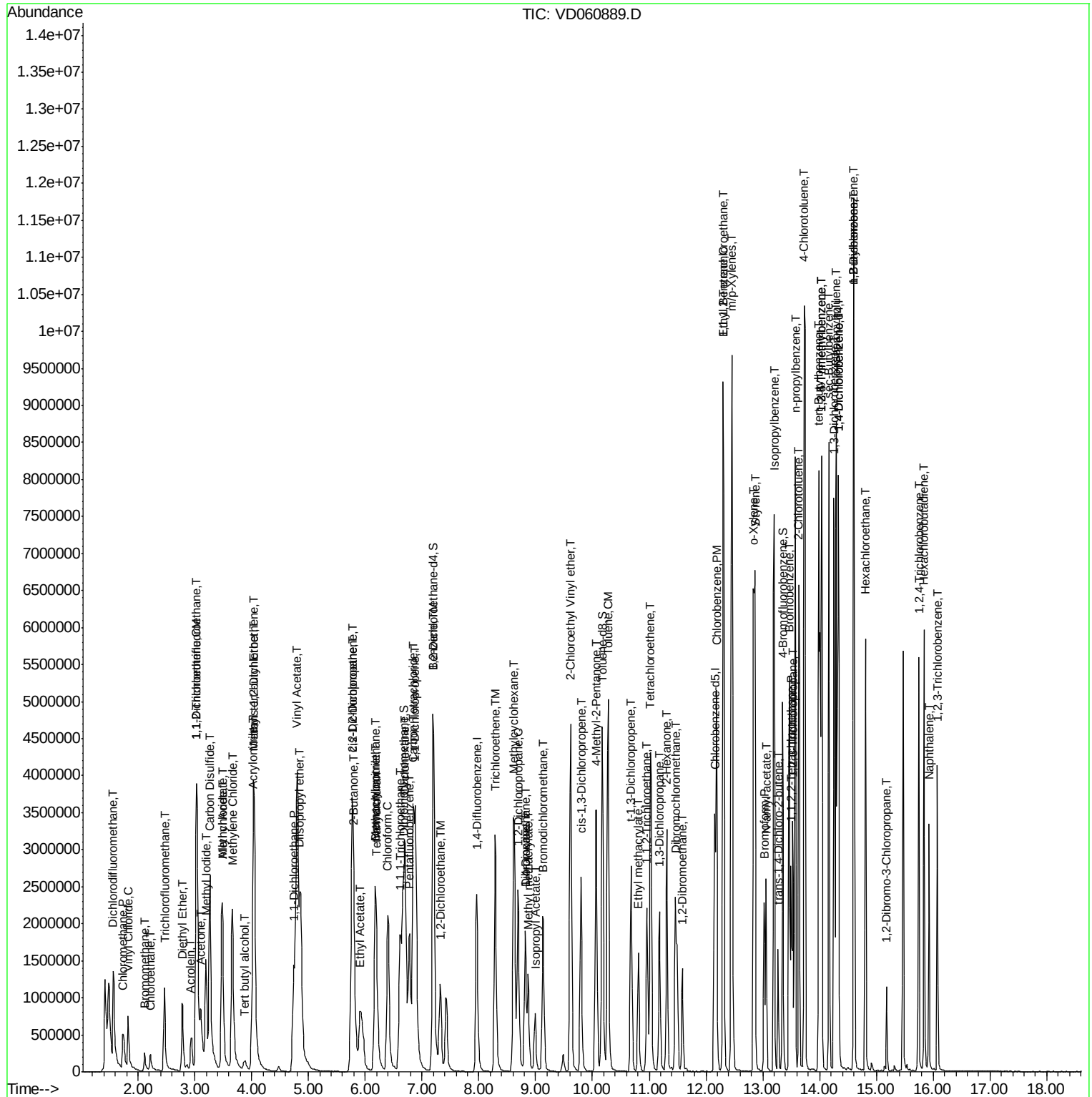
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	1701858	57.263	ug/l	100
94) Hexachlorobutadiene	15.84	225	1014224	39.409	ug/l	99
95) Naphthalene	15.93	128	2085332	52.603	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	1122788	46.744	ug/l	99

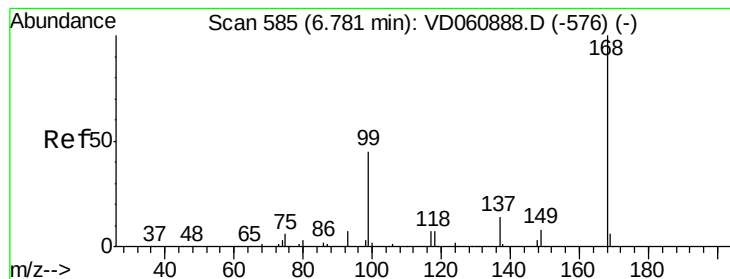
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

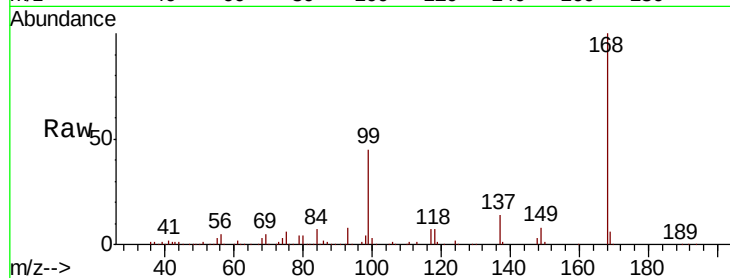
VSTDIC075

Tgt Ion:168 Resp: 2060583

Ion Ratio Lower Upper

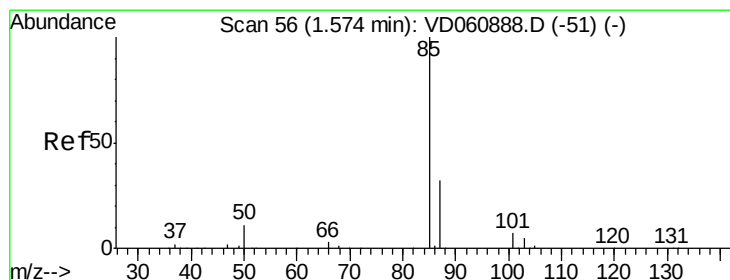
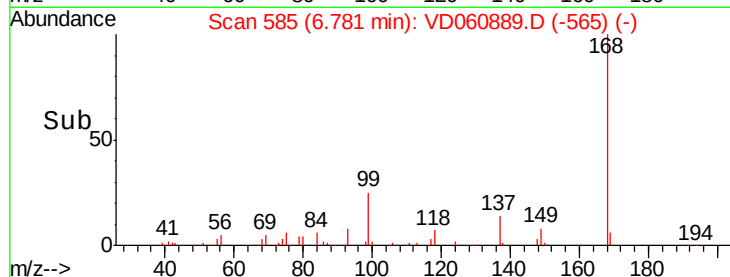
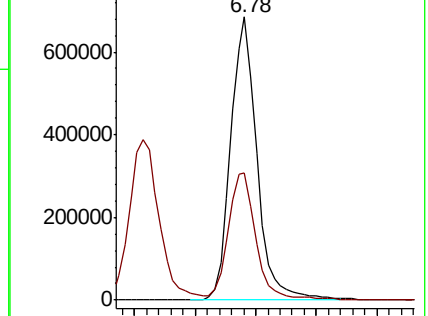
168 100

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

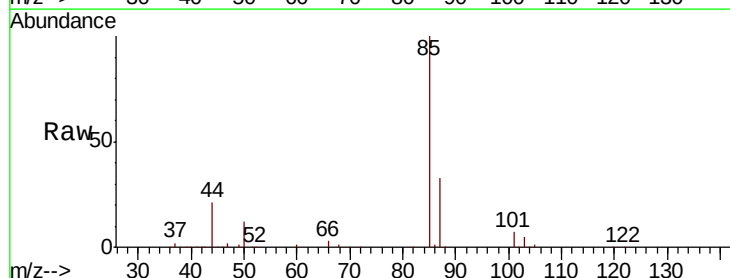
Acq: 21 Feb 2019 18:52

Tgt Ion: 85 Resp: 1553443

Ion Ratio Lower Upper

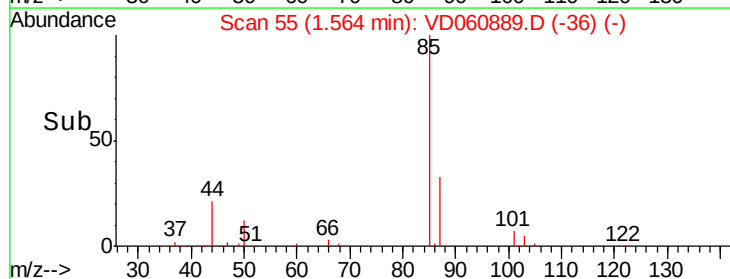
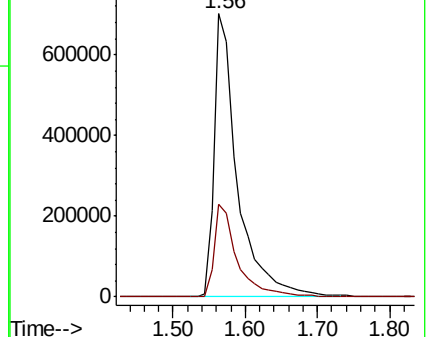
85 100

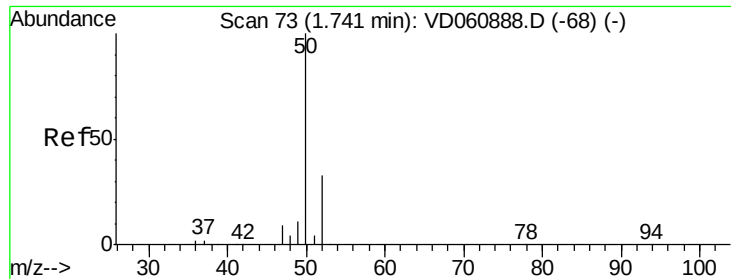
87 32.7 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

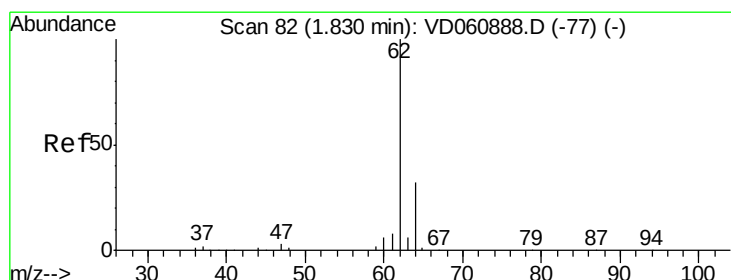
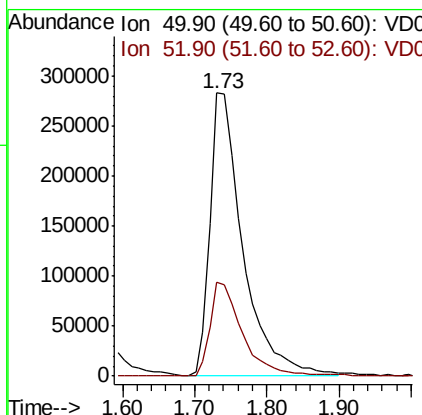
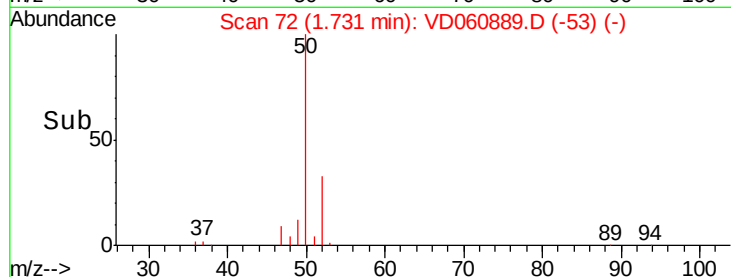
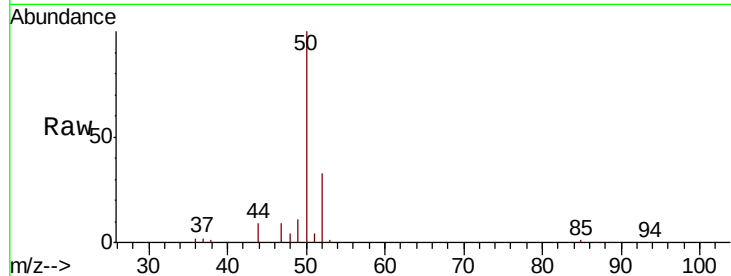




#3
Chloromethane
Concen: 47.692 ug/l
RT: 1.73 min Scan# 72
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

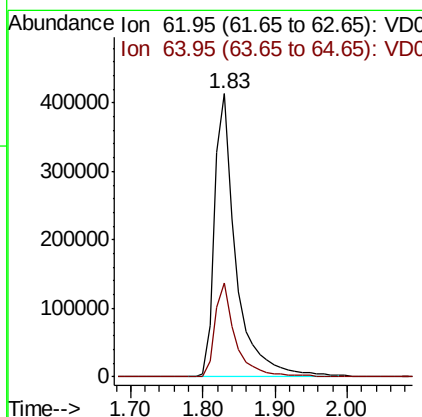
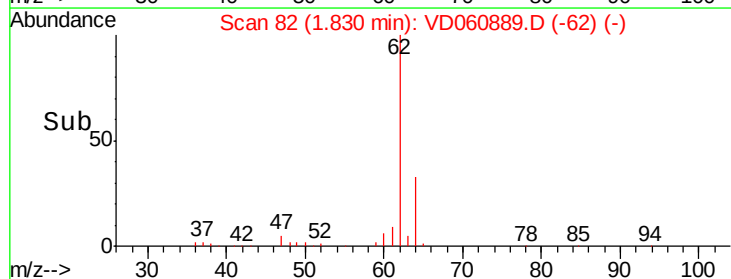
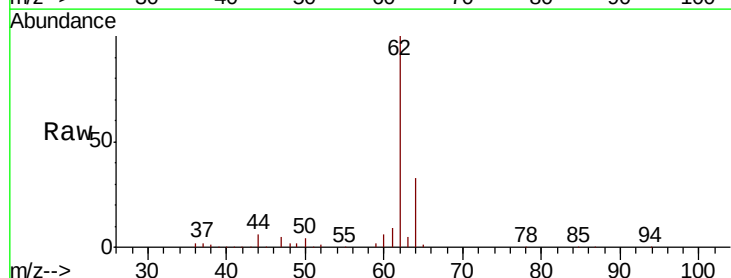
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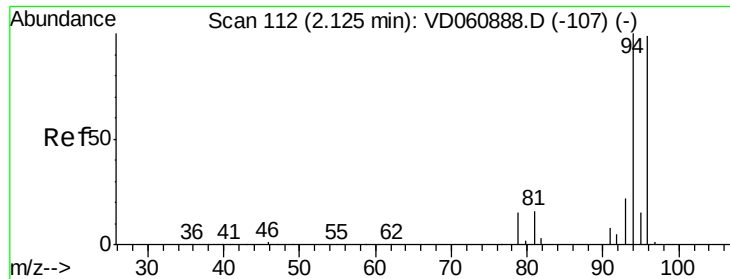
Tgt Ion: 50 Resp: 883994
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0



#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

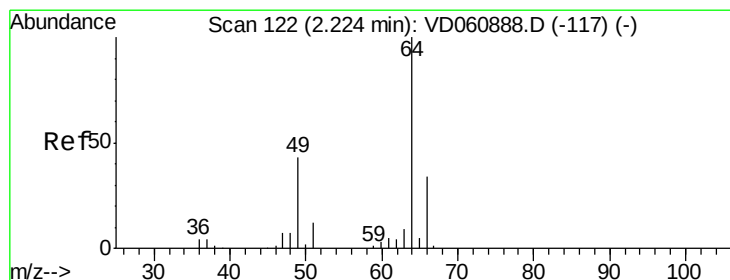
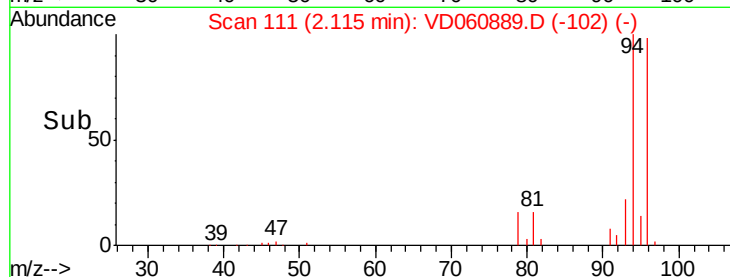
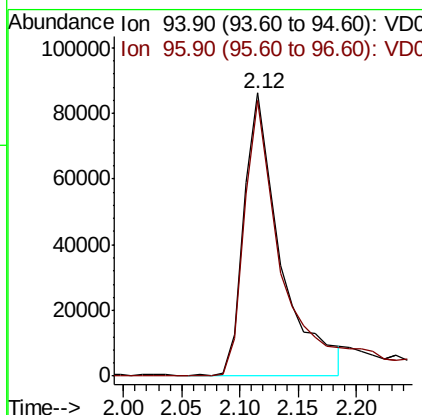
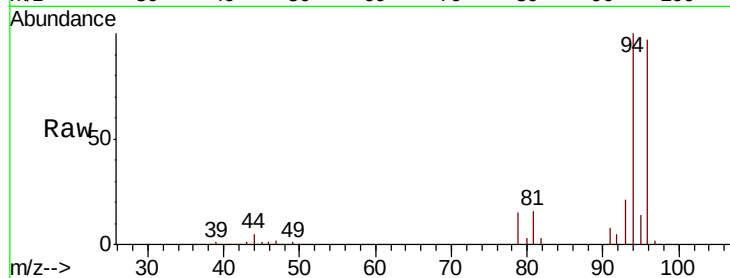




#5
Bromomethane
Concen: 22.816 ug/l
RT: 2.12 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD060889.D
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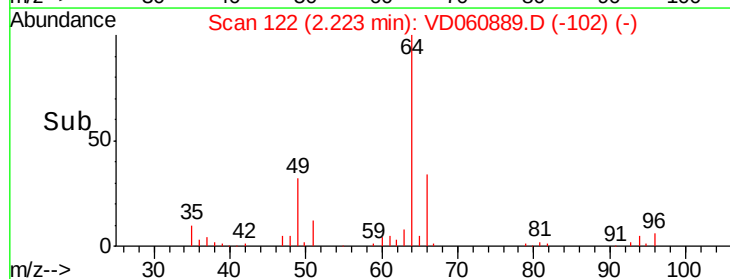
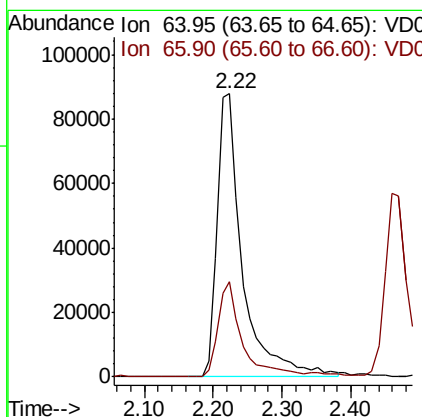
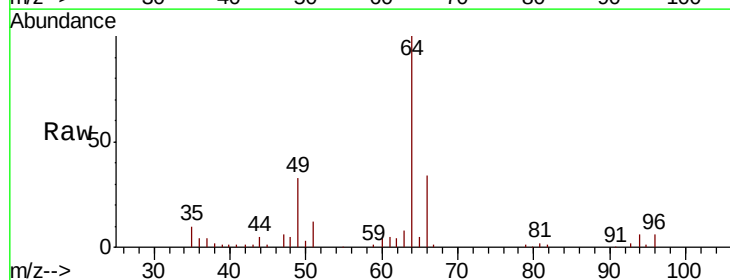
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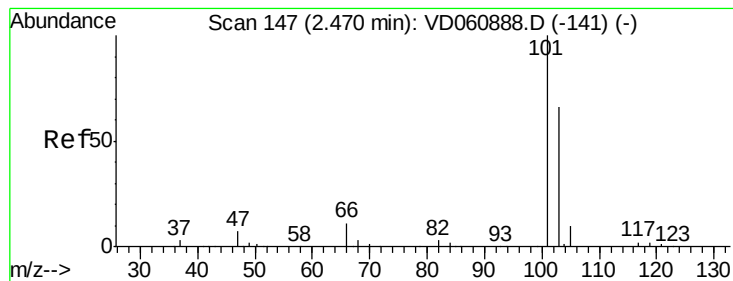
Tgt Ion: 94 Resp: 188256
Ion Ratio Lower Upper
94 100
96 97.4 79.0 118.6



#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



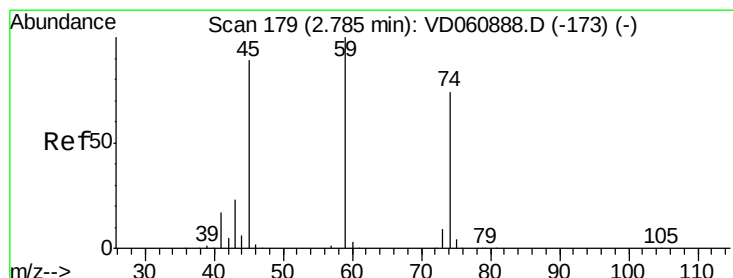
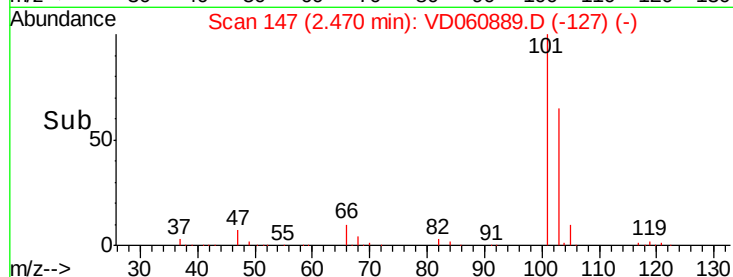
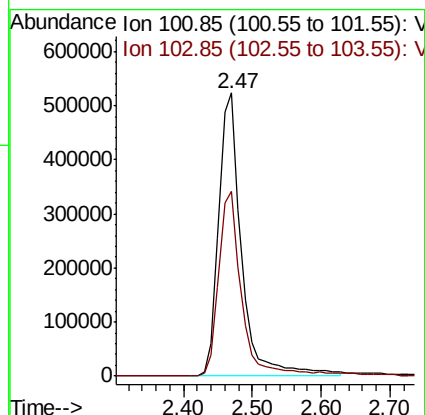
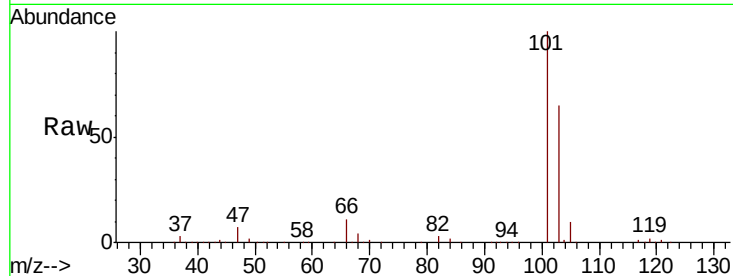


#7

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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Instrument :
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 ClientSampleId :
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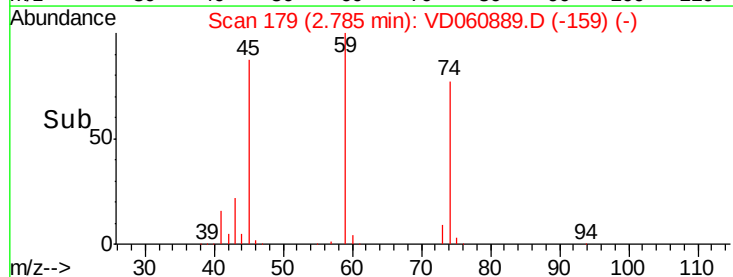
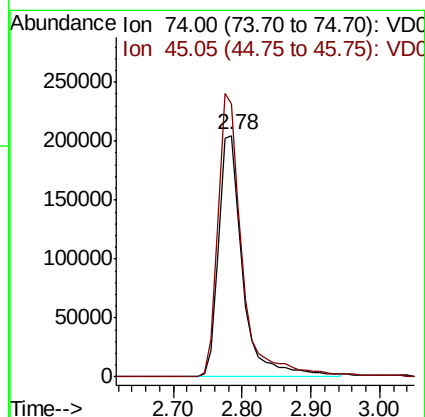
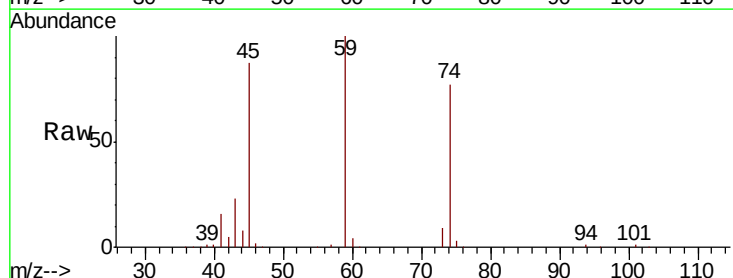
Tgt Ion:101 Resp: 1207824
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.6 79.0

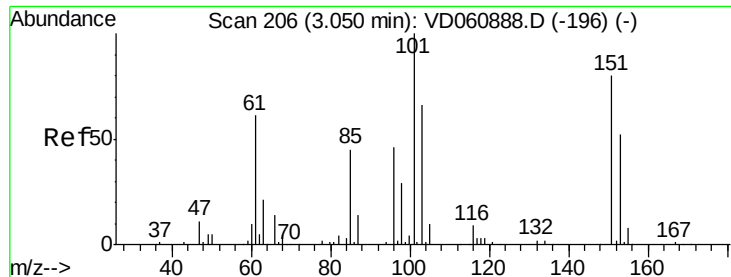


#8

Diethyl Ether
 Concen: 93.941 ug/l
 RT: 2.78 min Scan# 179
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Tgt Ion: 74 Resp: 498577
 Ion Ratio Lower Upper
 74 100
 45 113.3 60.2 180.4





#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

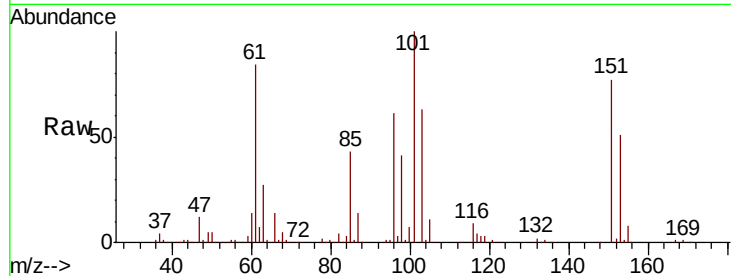
Tgt Ion:101 Resp: 1496505

Ion Ratio Lower Upper

101 100

85 43.3 35.9 53.9

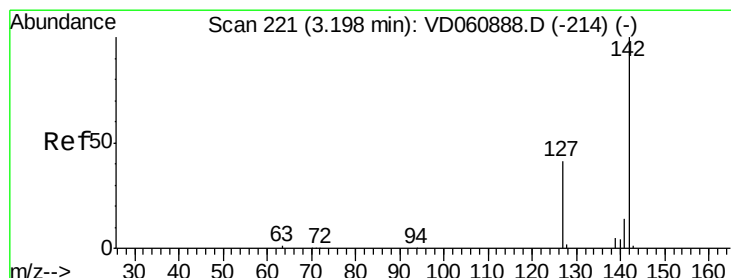
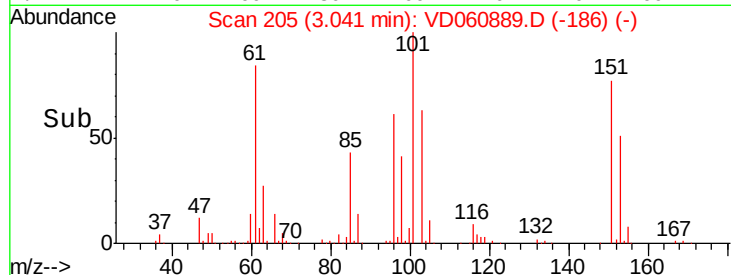
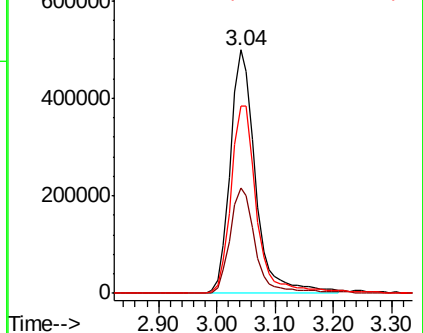
151 77.1 63.7 95.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

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

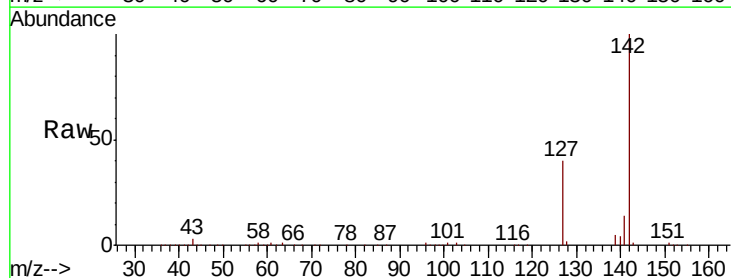
Tgt Ion:142 Resp: 2508259

Ion Ratio Lower Upper

142 100

127 39.9 33.0 49.4

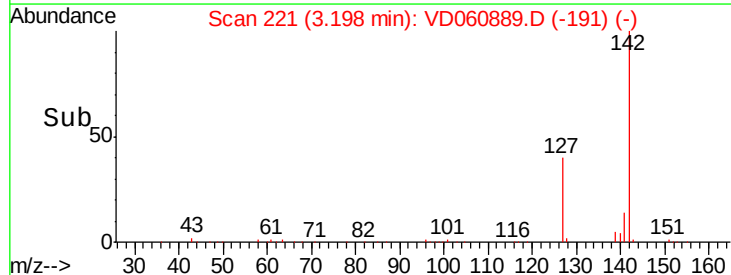
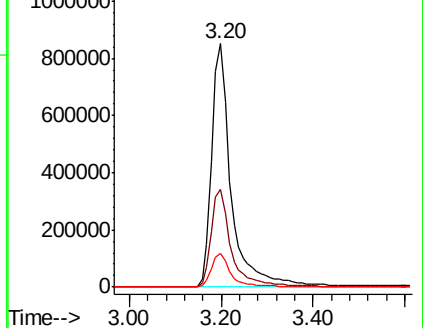
141 14.0 11.4 17.2

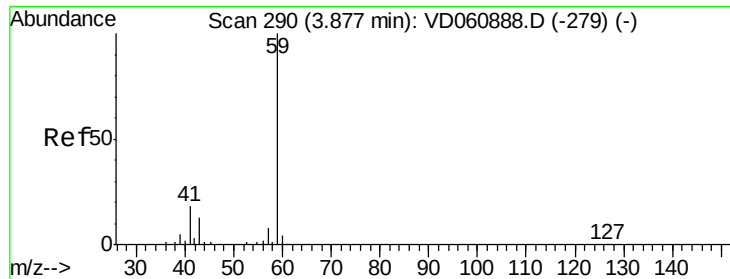


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

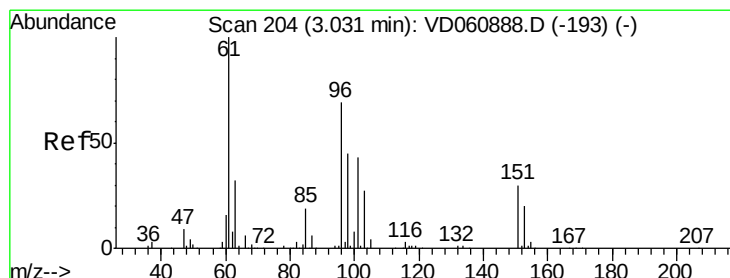
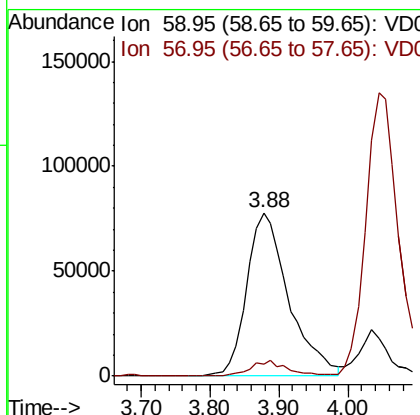
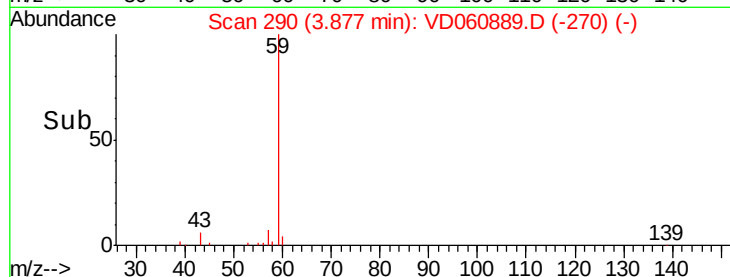
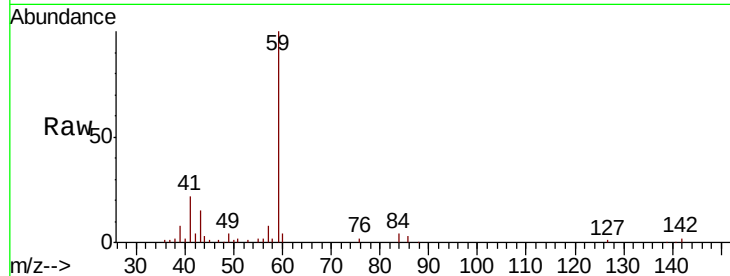




#11
Tert butyl alcohol
Concen: 291.364 ug/l
RT: 3.88 min Scan# 290
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

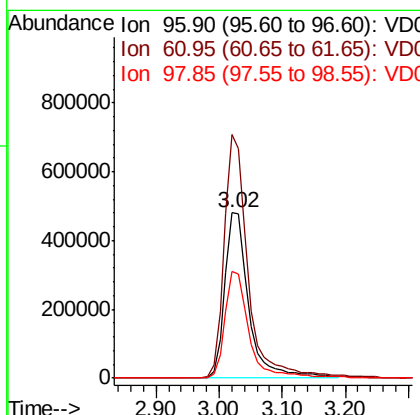
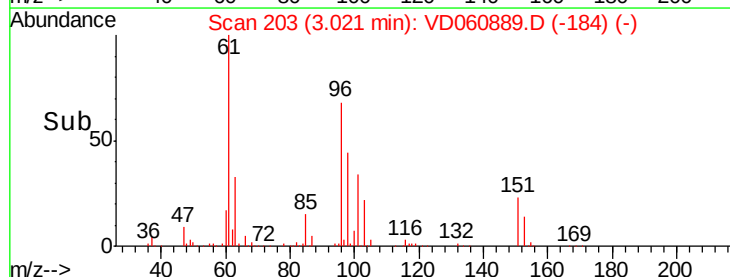
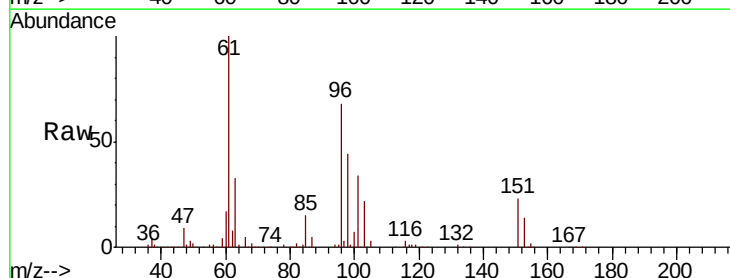
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

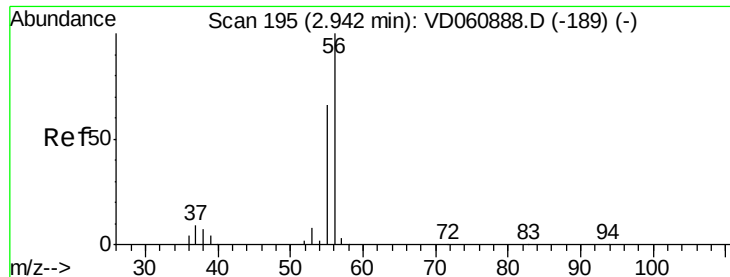
Tgt Ion: 59 Resp: 331489
Ion Ratio Lower Upper
59 100
57 7.5 6.3 9.5



#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 :

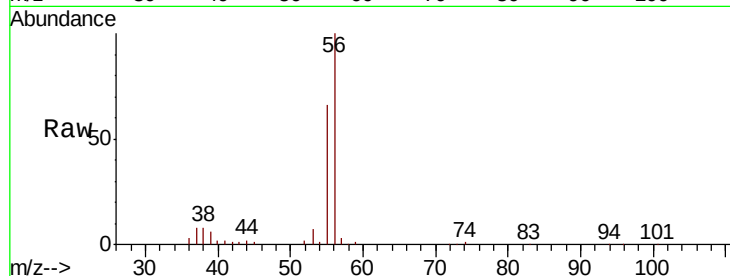
VSTDIC075

Tgt 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

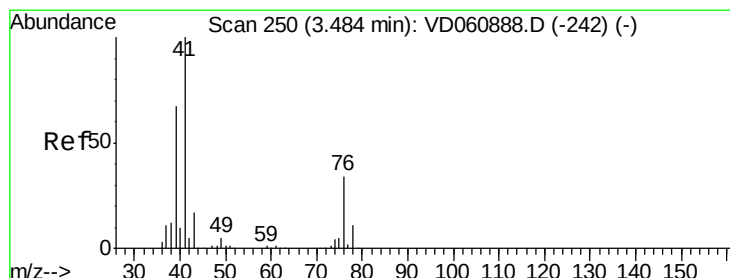
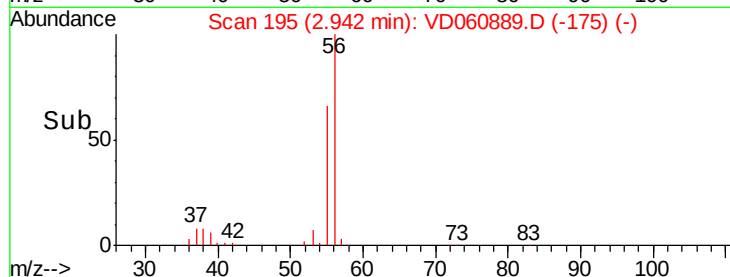
100000

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

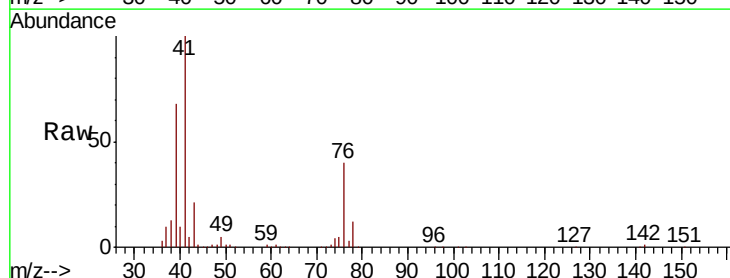
Tgt Ion: 41 Resp: 2198689

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

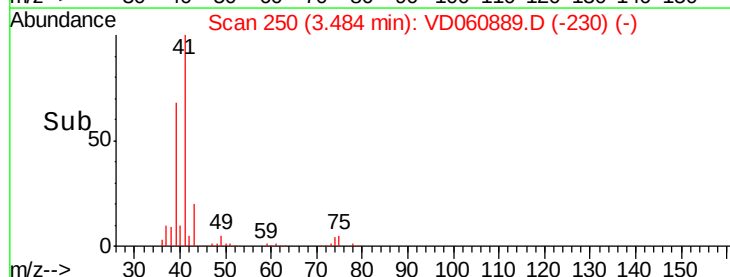
1000000

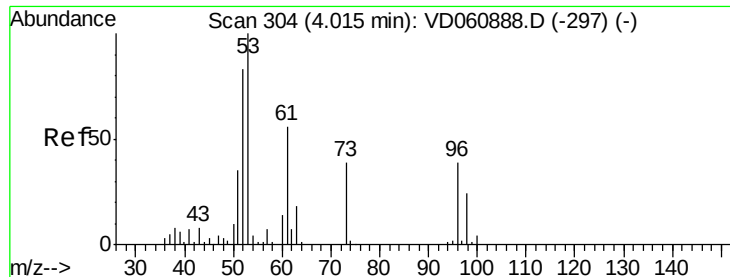
500000

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

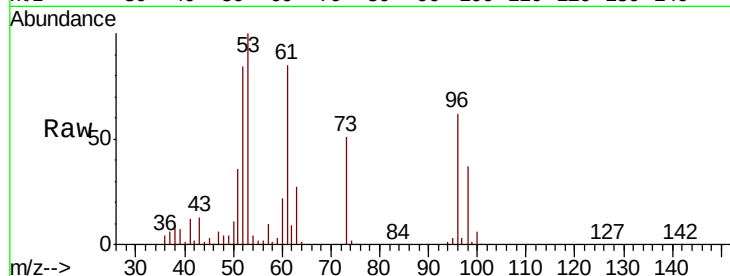
Tgt Ion: 53 Resp: 1165726

Ion Ratio Lower Upper

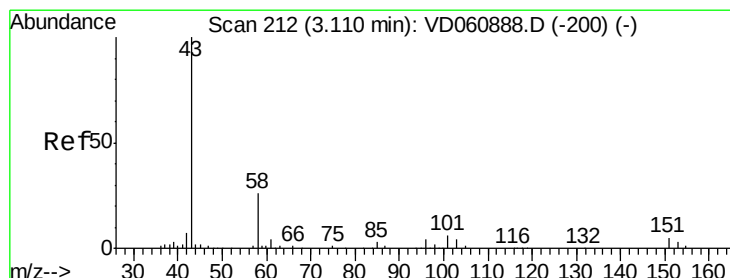
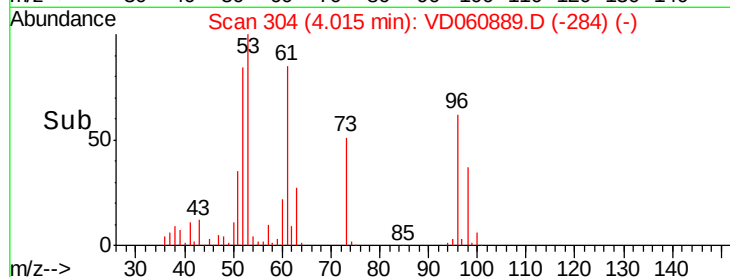
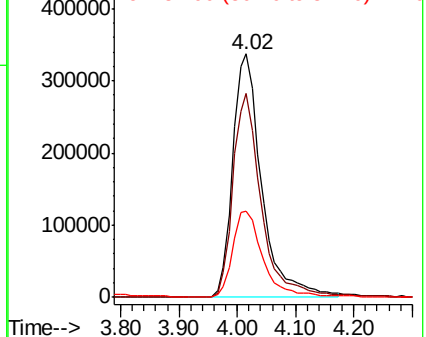
53 100

52 83.8 66.7 100.1

51 35.6 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 314.687 ug/l

RT: 3.11 min Scan# 212

Delta R.T. -0.00 min

Lab File: VD060889.D

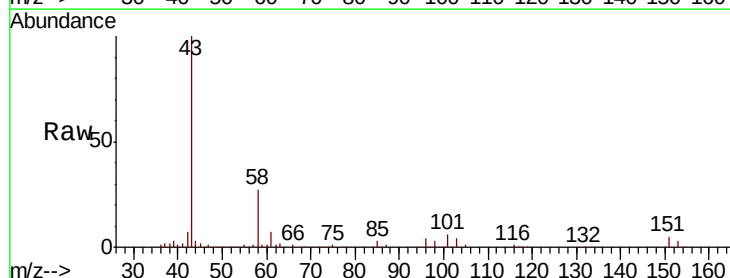
Acq: 21 Feb 2019 18:52

Tgt Ion: 43 Resp: 1405340

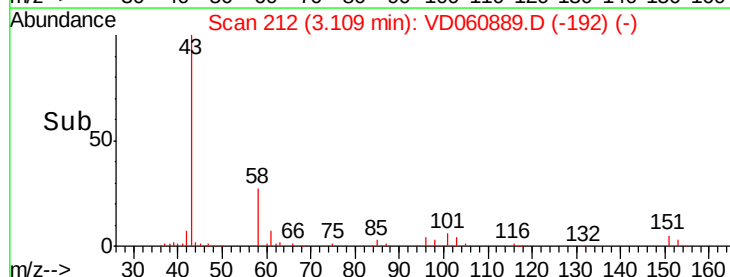
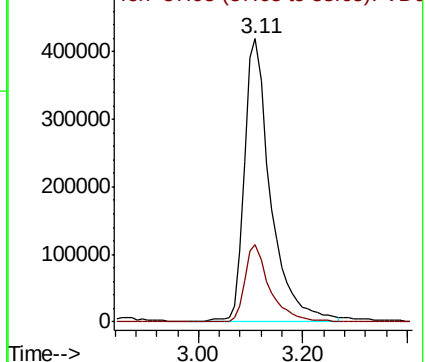
Ion Ratio Lower Upper

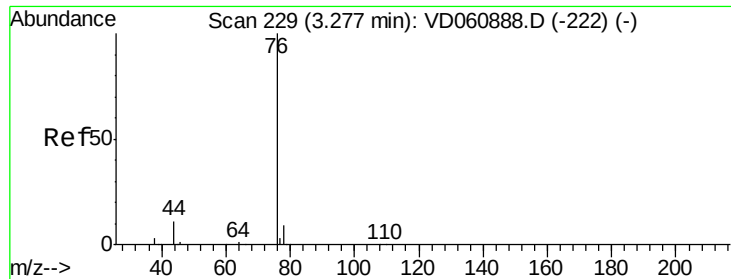
43 100

58 27.1 21.0 31.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#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 :

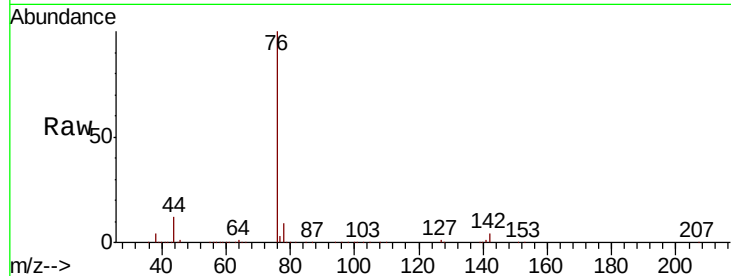
VSTDIC075

Tgt Ion: 76 Resp: 5054703

Ion Ratio Lower Upper

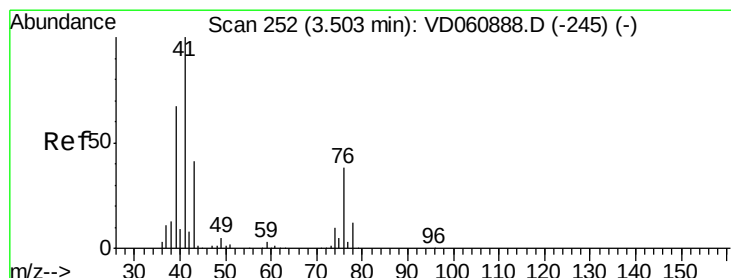
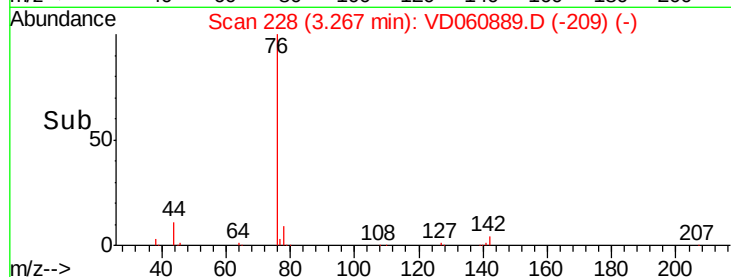
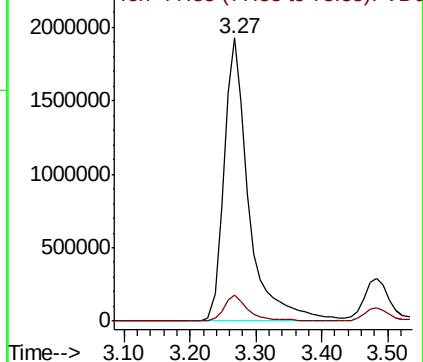
76 100

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

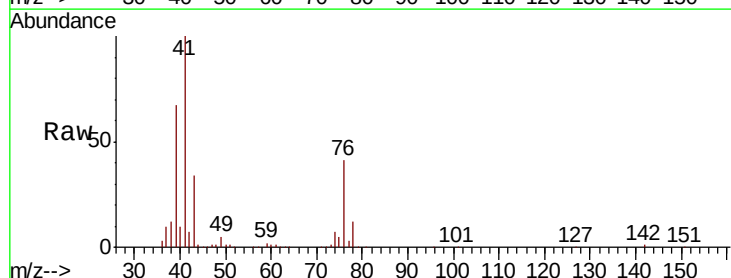
Acq: 21 Feb 2019 18:52

Tgt Ion: 43 Resp: 572172

Ion Ratio Lower Upper

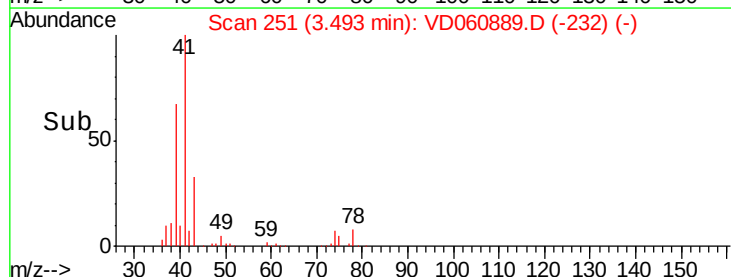
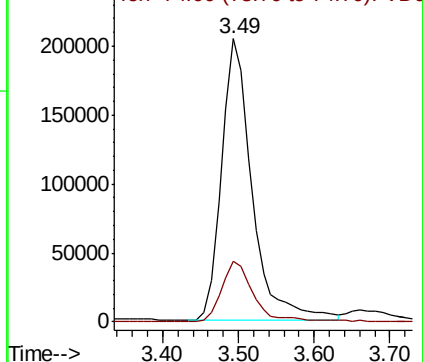
43 100

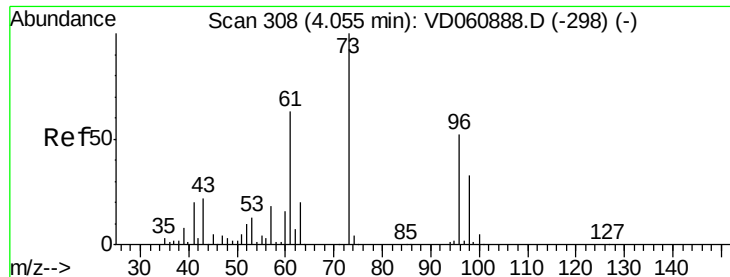
74 21.3 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



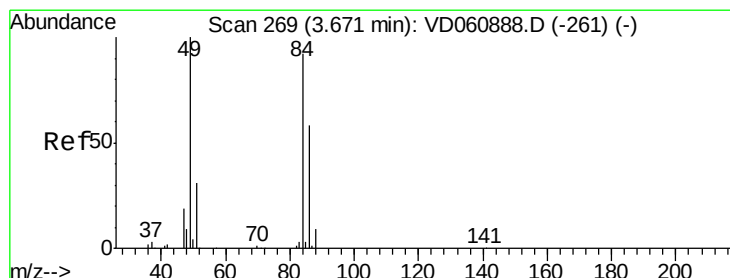
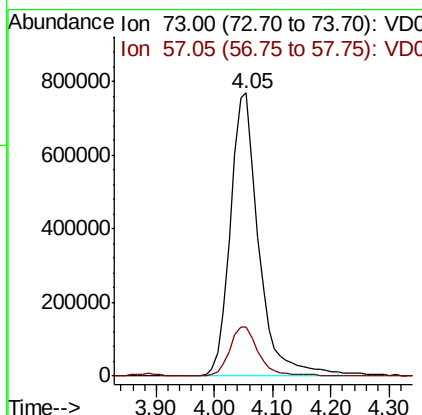
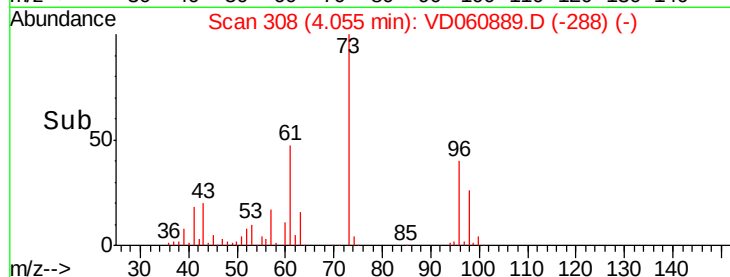
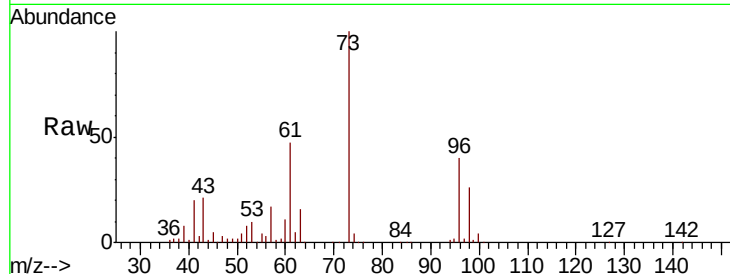


#19

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

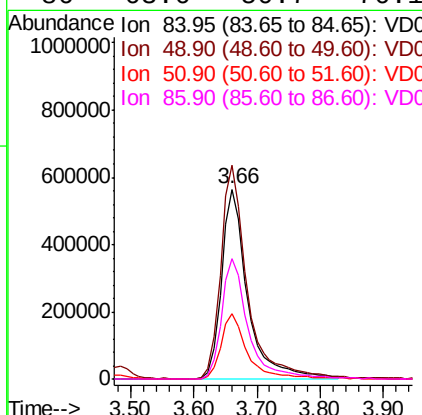
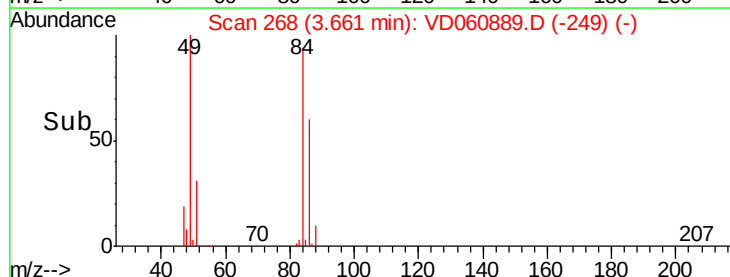
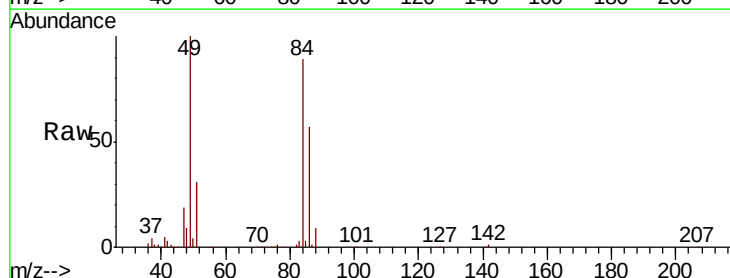
Tgt Ion: 73 Resp: 2604792
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.5 21.7

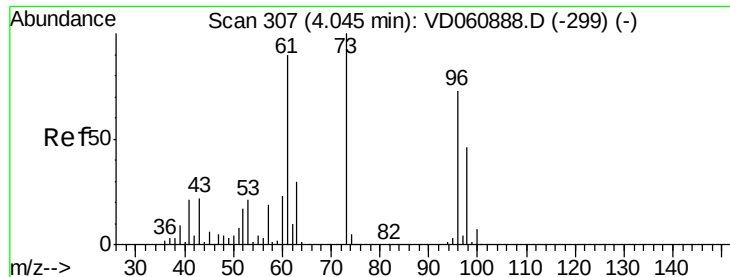


#20

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

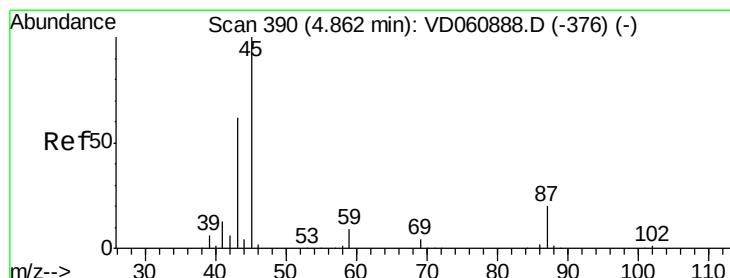
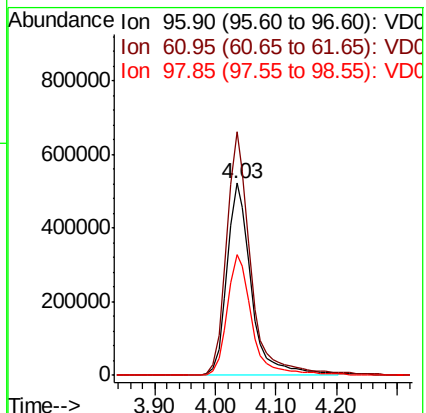
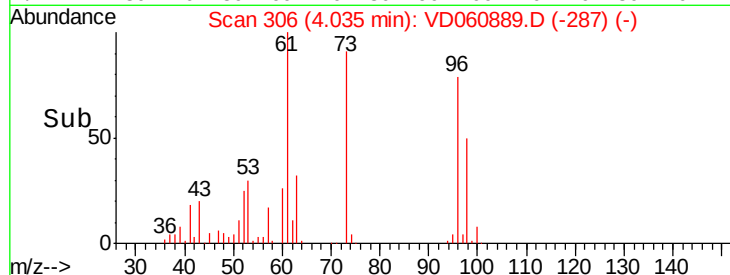
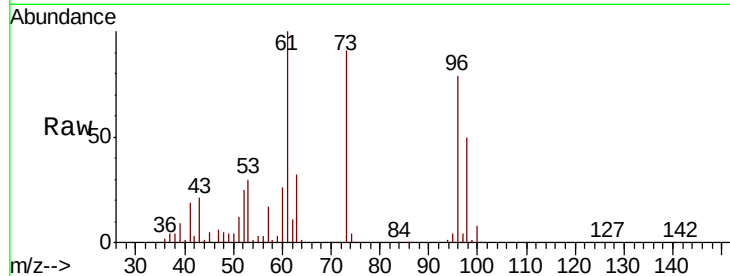
Tgt Ion: 96 Resp: 1459366

Ion Ratio Lower Upper

96 100

61 126.9 99.4 149.2

98 62.8 50.6 75.8



#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

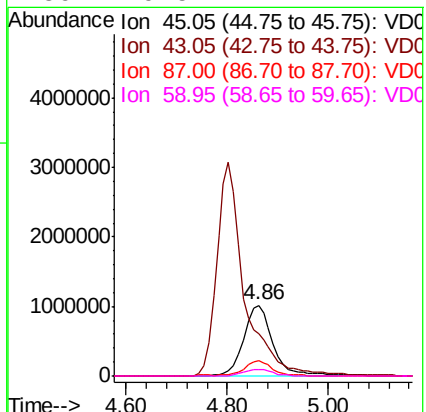
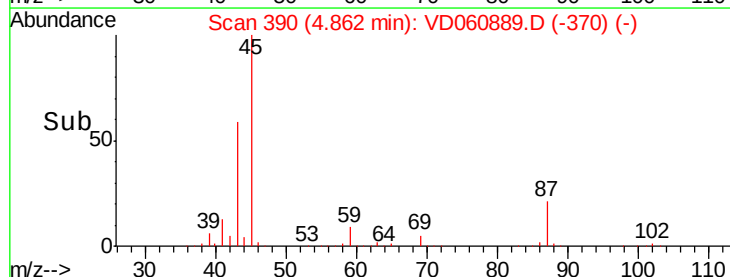
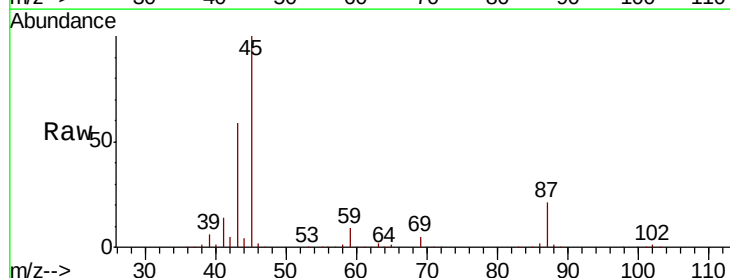
Ion Ratio Lower Upper

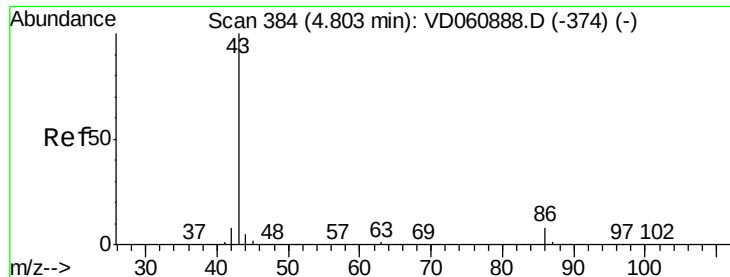
45 100

43 59.2 49.8 74.8

87 20.9 16.7 25.1

59 9.5 7.4 11.2





#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 :

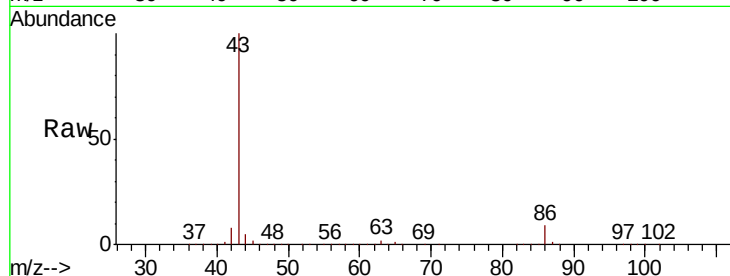
VSTDIC075

Tgt Ion: 43 Resp:11525071

Ion Ratio Lower Upper

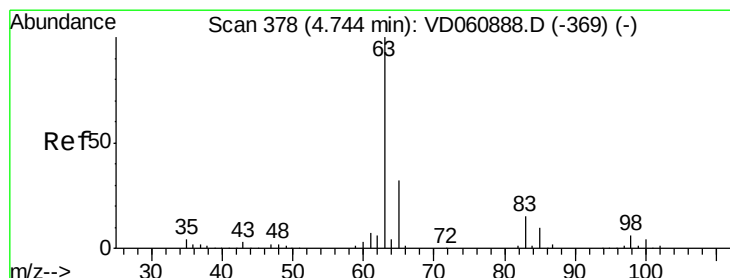
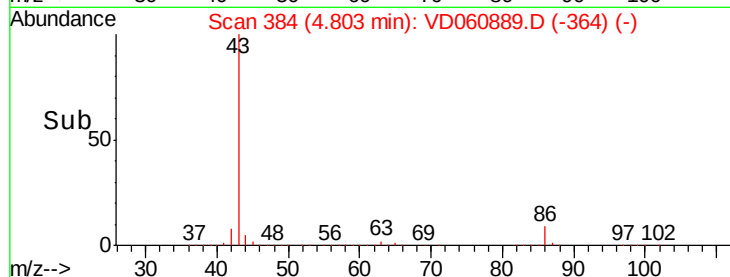
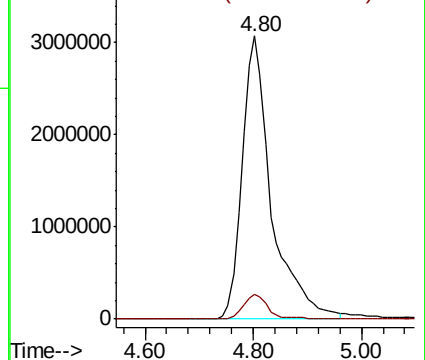
43 100

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

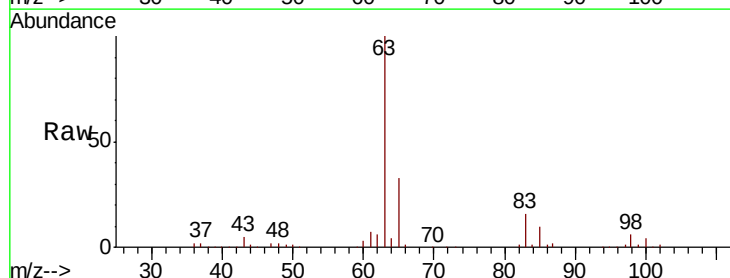
Tgt Ion: 63 Resp: 2303042

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

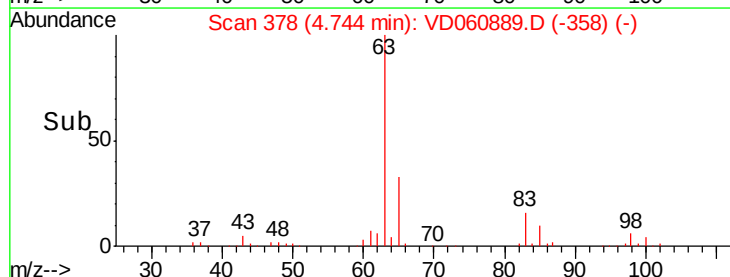
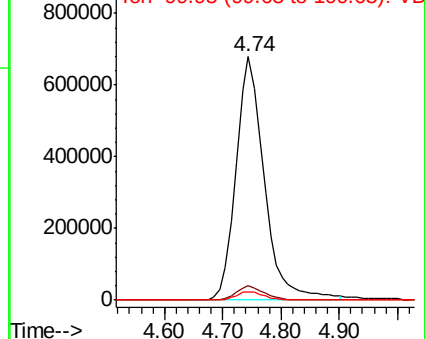
100 3.6 1.8 5.4

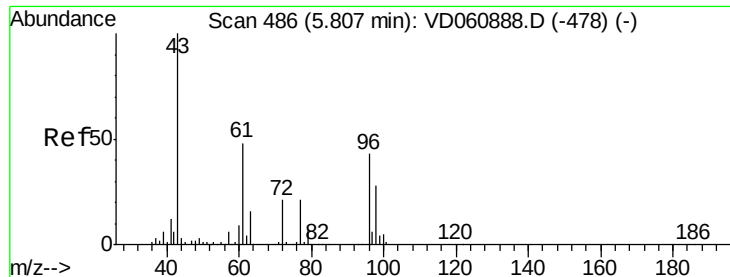


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

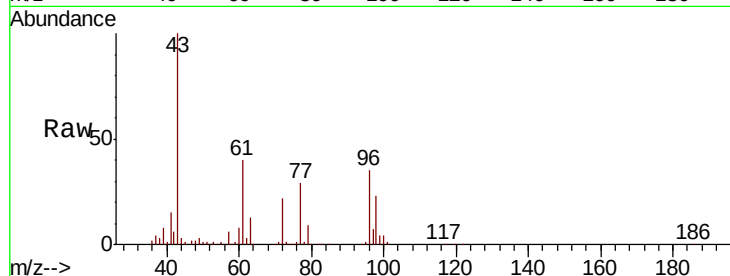
VSTDIC075

Tgt Ion: 43 Resp: 1862790

Ion Ratio Lower Upper

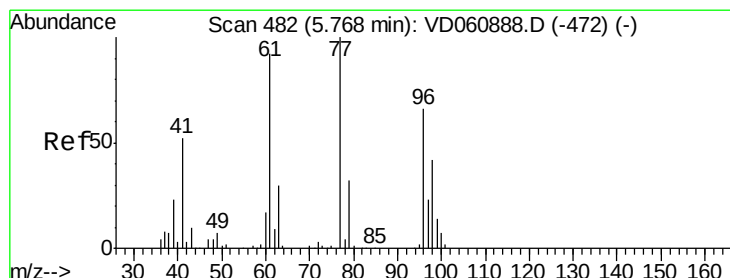
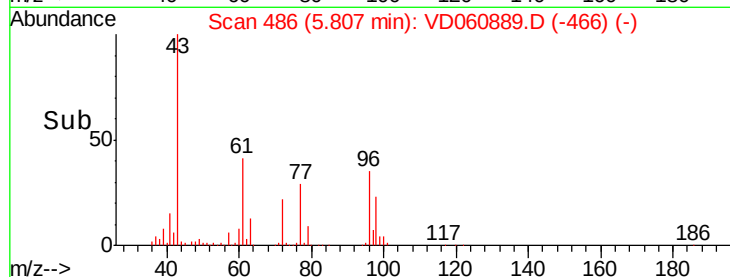
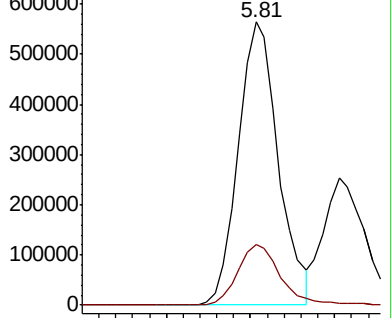
43 100

72 21.6 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#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

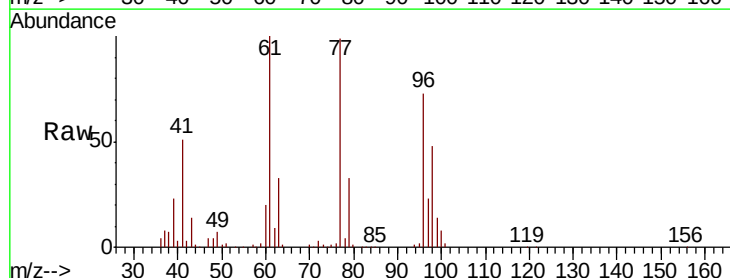
Acq: 21 Feb 2019 18:52

Tgt Ion: 77 Resp: 2102373

Ion Ratio Lower Upper

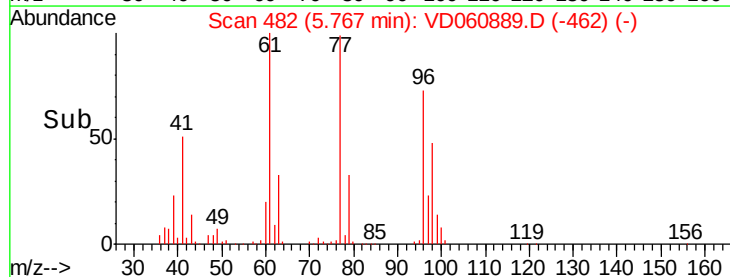
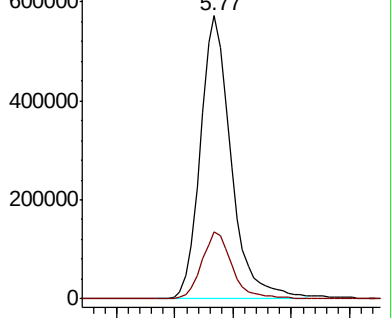
77 100

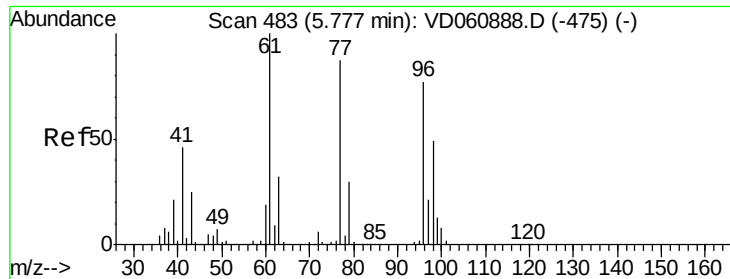
97 23.6 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

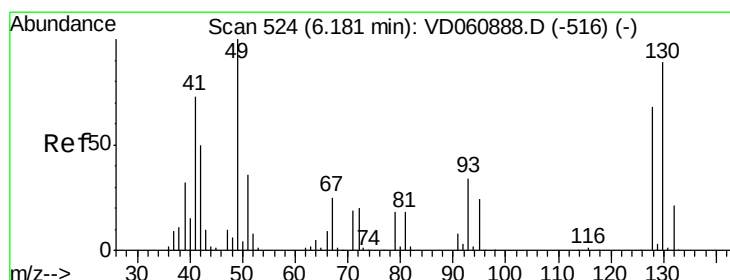
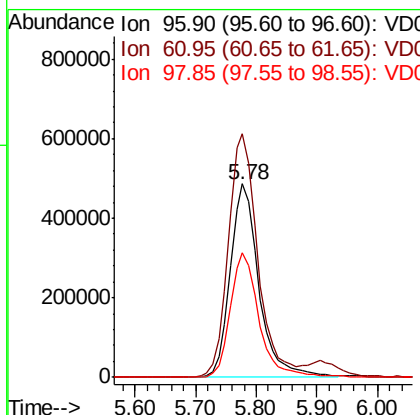
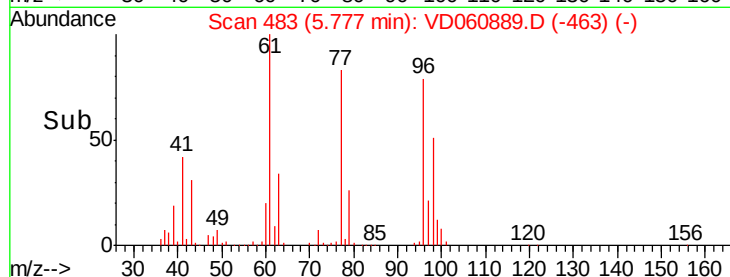
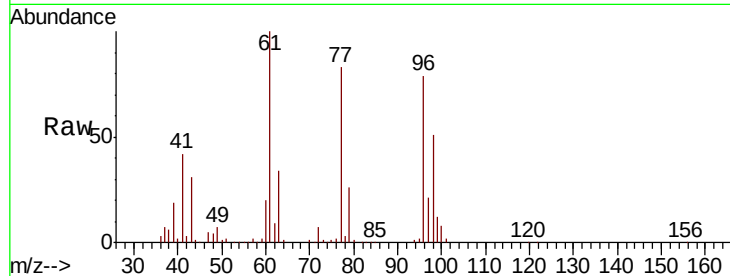




#27
 cis-1,2-Dichloroethene
 Concen: 71.696 ug/l
 RT: 5.78 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

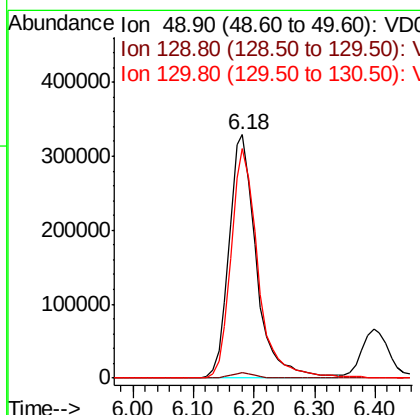
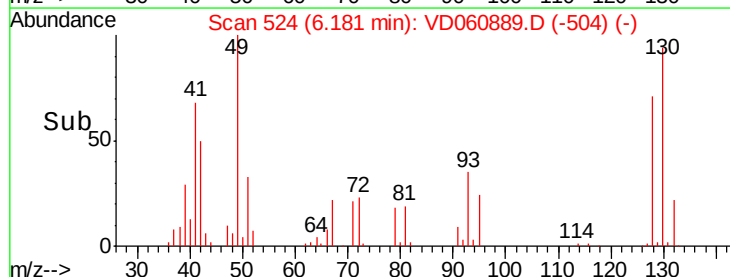
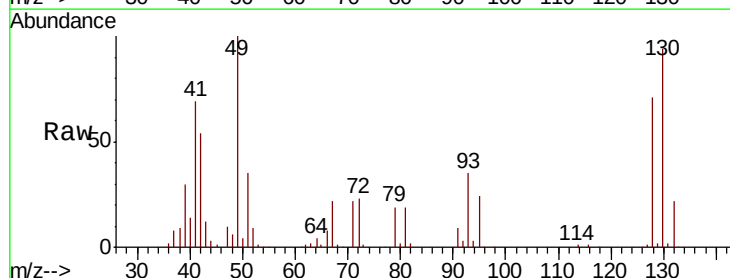
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

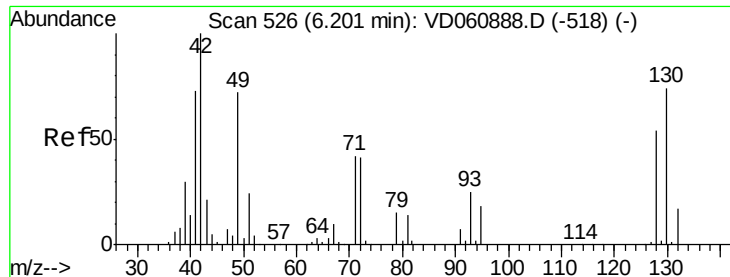
Tgt Ion: 96 Resp: 1604942
 Ion Ratio Lower Upper
 96 100
 61 125.8 0.0 259.4
 98 64.1 0.0 127.4



#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

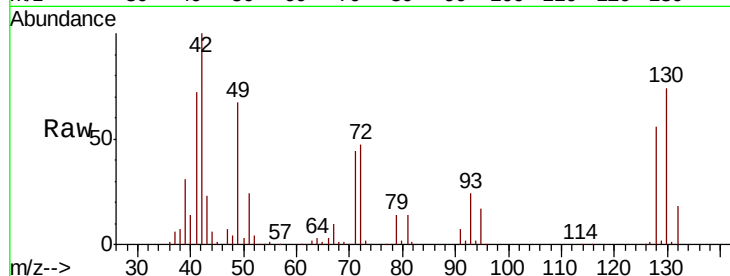
Tgt Ion: 42 Resp: 915281

Ion Ratio Lower Upper

42 100

72 45.2 35.0 52.4

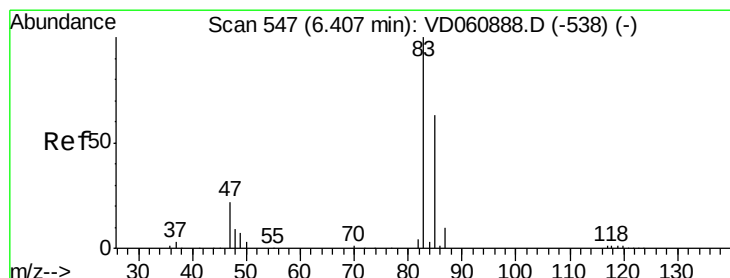
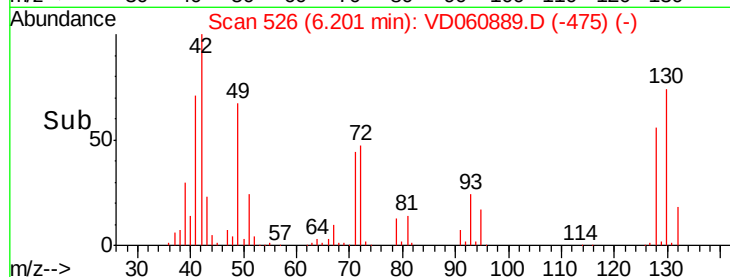
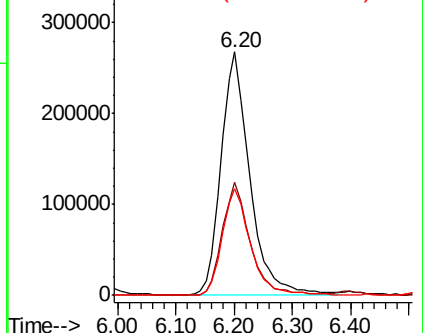
71 43.4 34.2 51.4



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

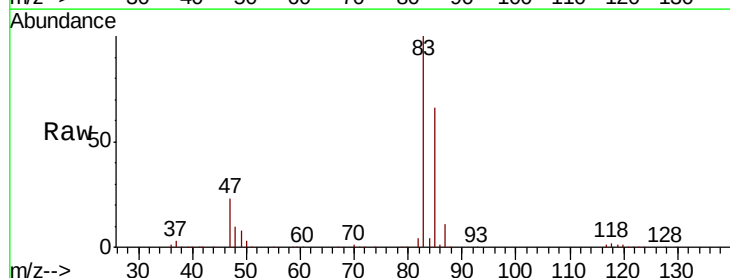
Acq: 21 Feb 2019 18:52

Tgt Ion: 83 Resp: 2755311

Ion Ratio Lower Upper

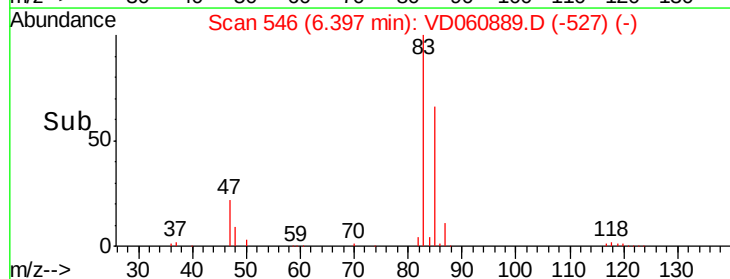
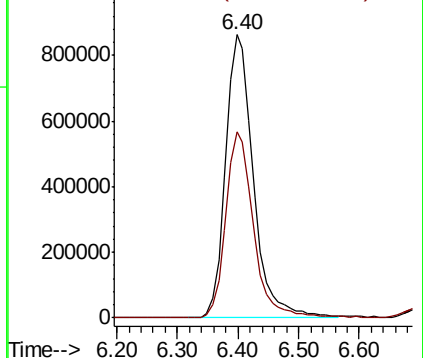
83 100

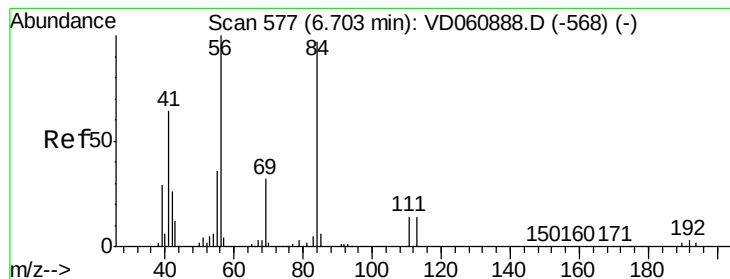
85 65.8 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

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

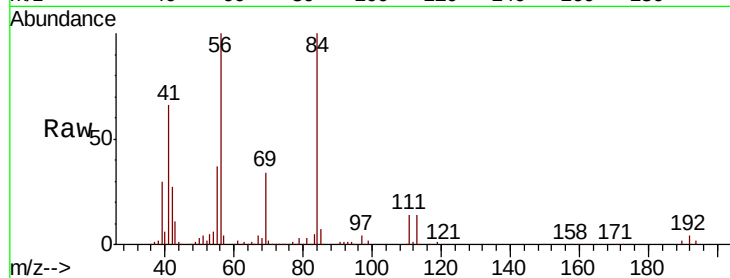
Tgt Ion: 56 Resp: 1949948

Ion Ratio Lower Upper

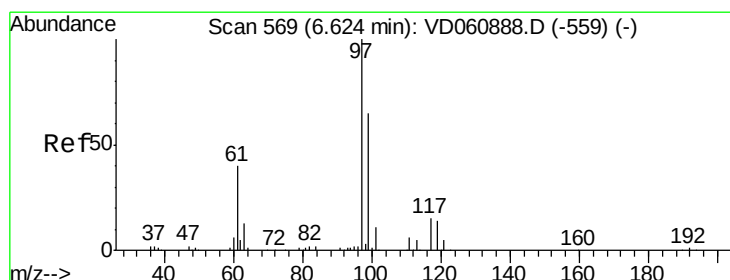
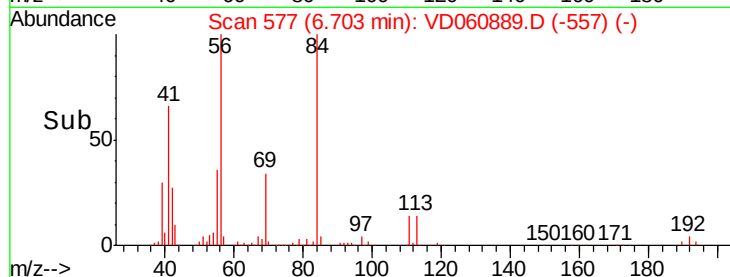
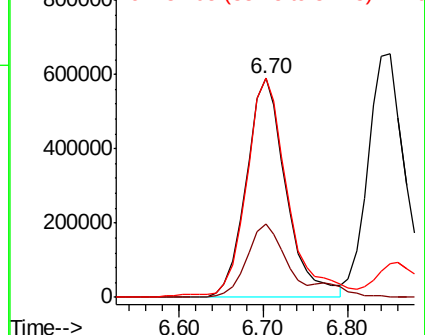
56 100

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

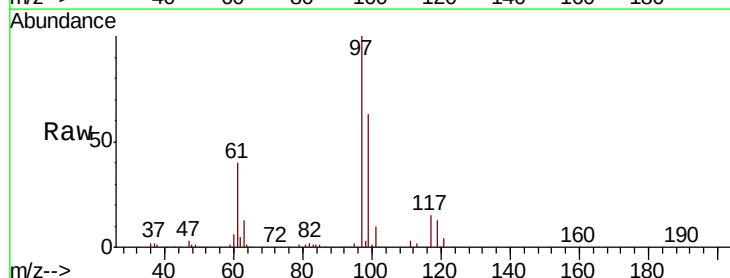
Tgt Ion: 97 Resp: 2094521

Ion Ratio Lower Upper

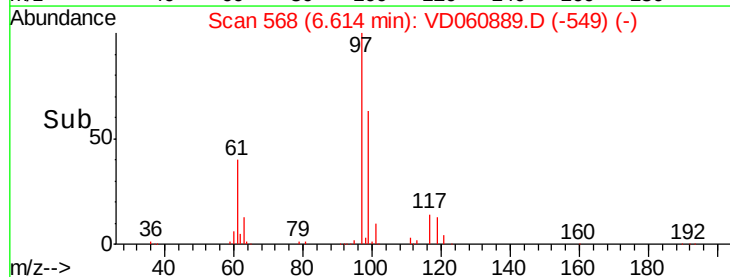
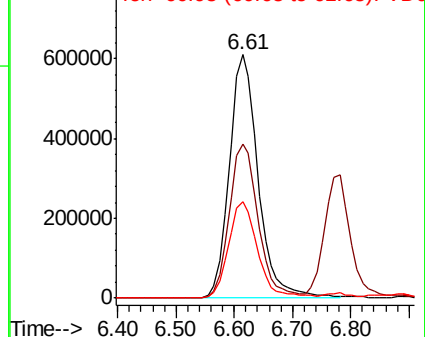
97 100

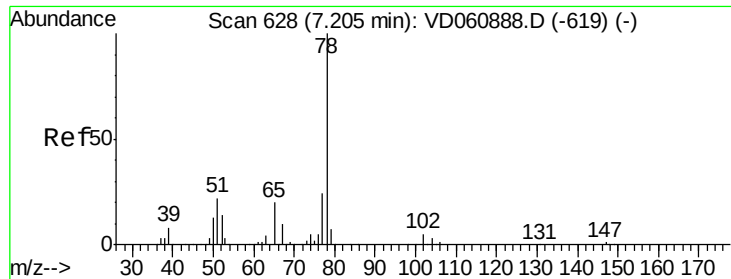
99 63.5 51.9 77.9

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

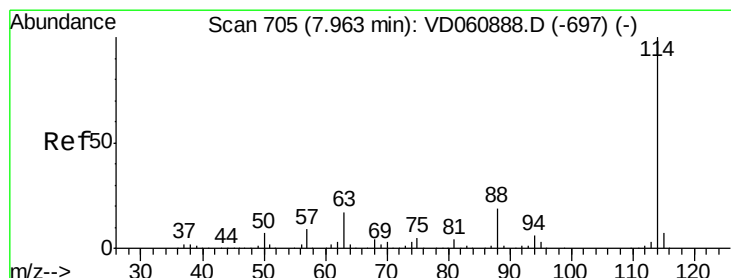
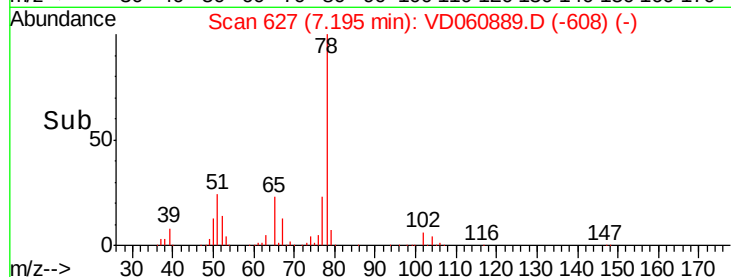
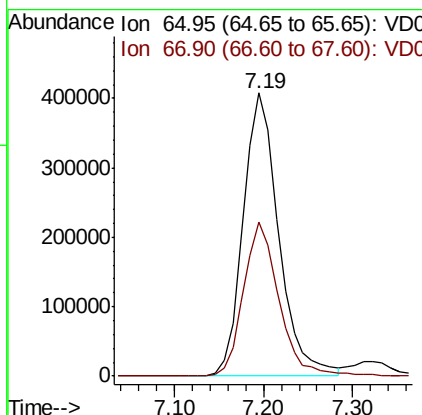
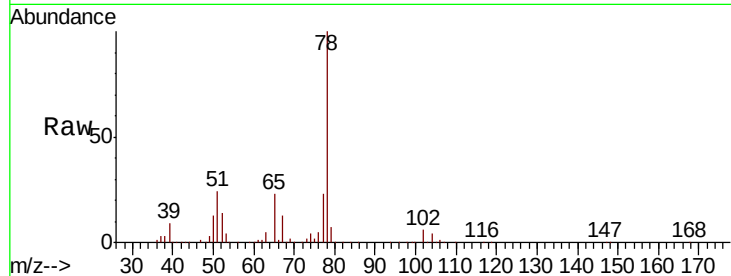




#33
 1,2-Dichloroethane-d4
 Concen: 54.152 ug/l
 RT: 7.19 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

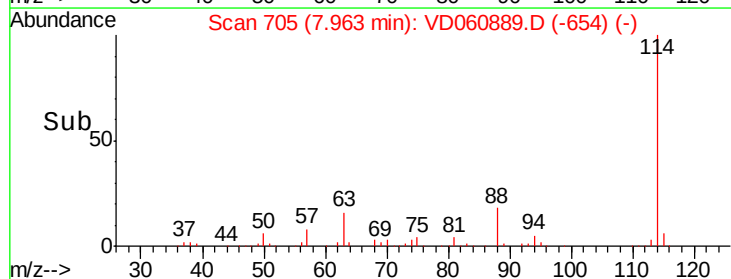
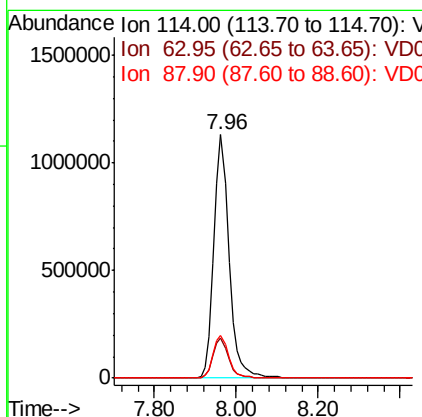
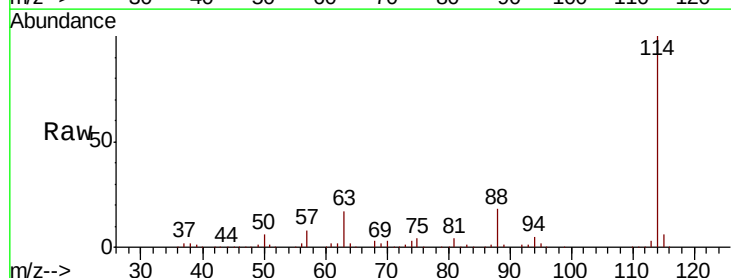
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

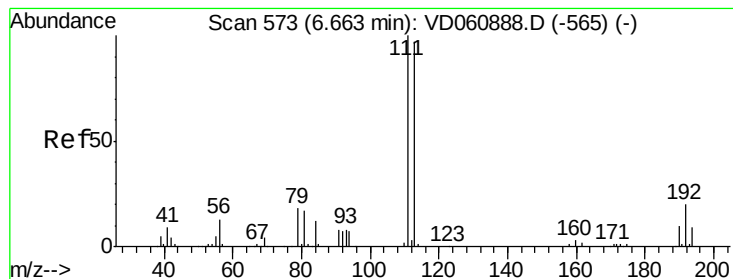
Tgt Ion: 65 Resp: 1127079
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.0



#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

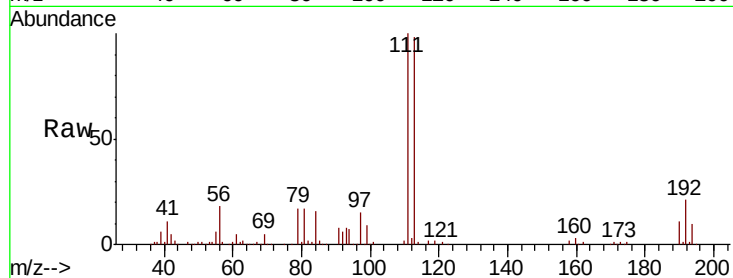
Tgt Ion:113 Resp: 1623824

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

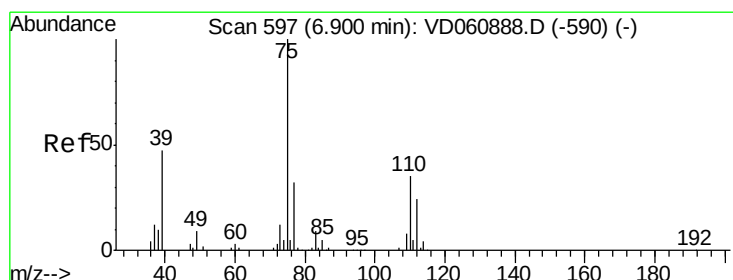
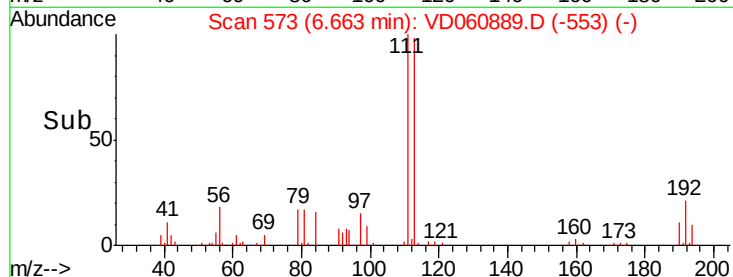
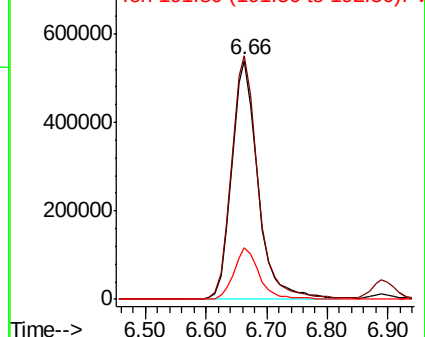
192 21.5 16.6 24.8



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

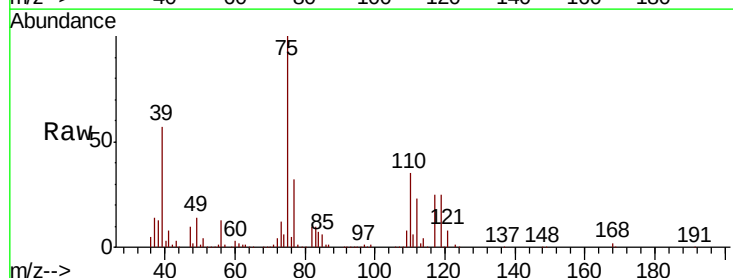
Tgt Ion: 75 Resp: 1910539

Ion Ratio Lower Upper

75 100

110 34.6 17.5 52.5

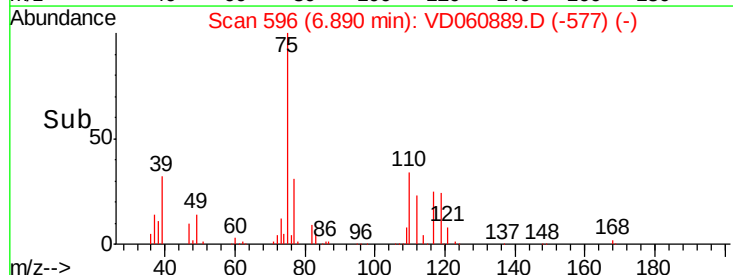
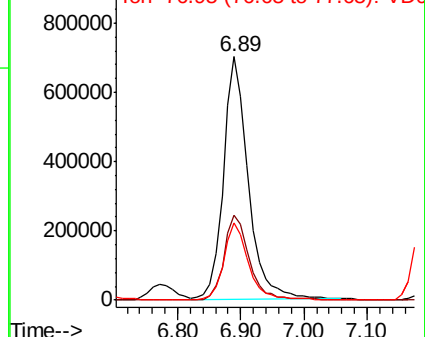
77 31.6 25.6 38.4

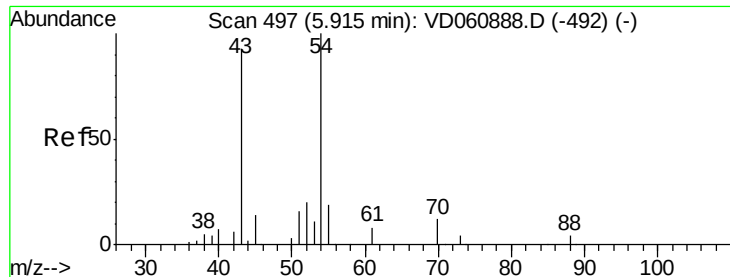


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

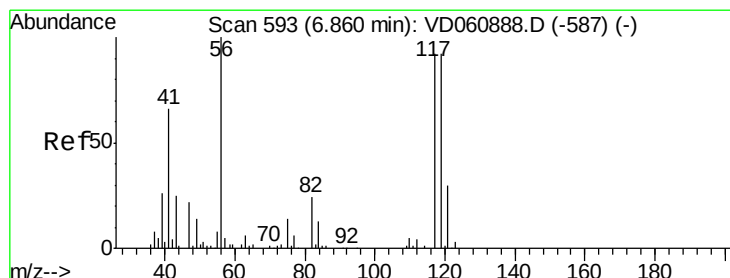
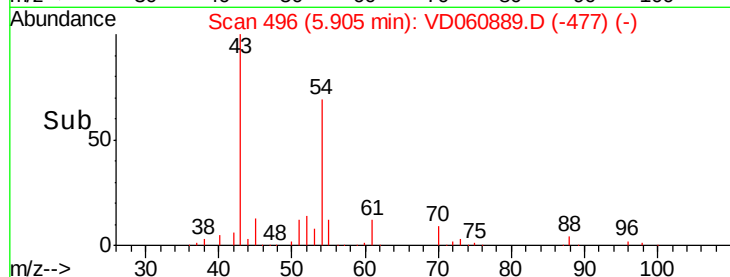
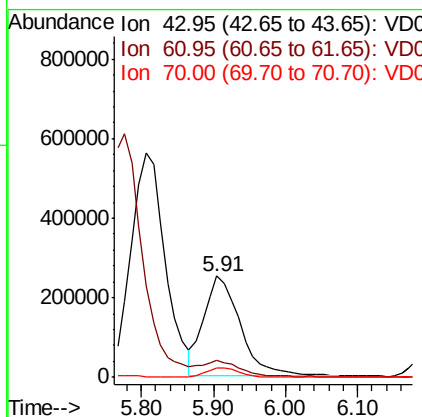
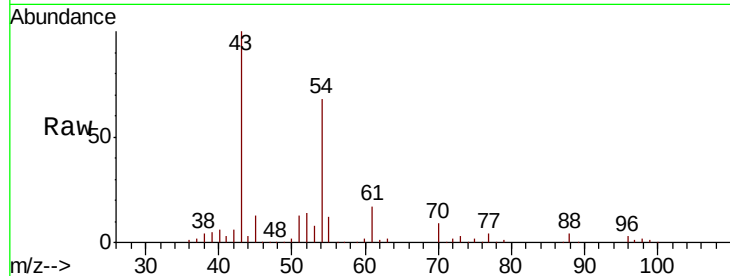




#37
Ethyl Acetate
Concen: 48.658 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

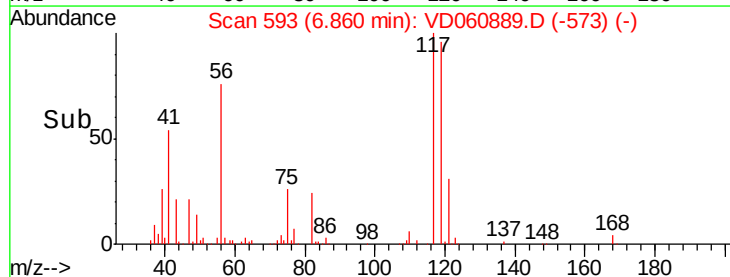
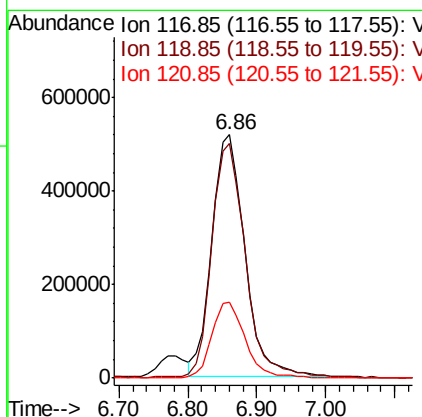
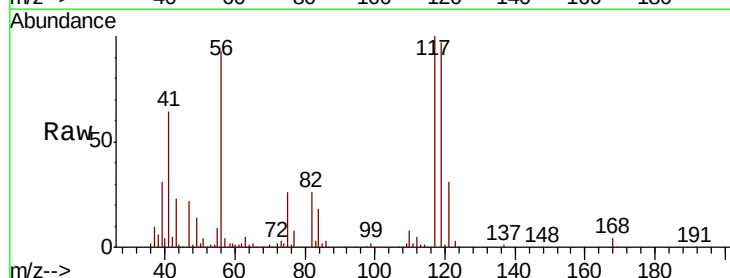
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

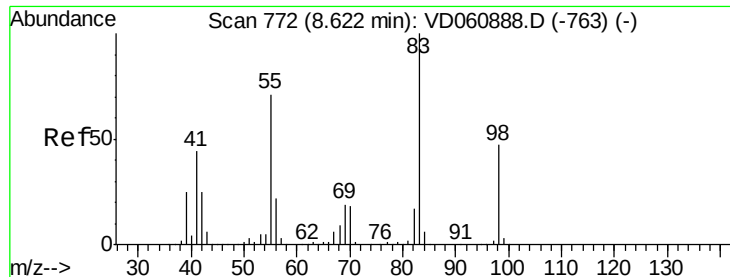
Tgt Ion: 43 Resp: 884727
Ion Ratio Lower Upper
43 100
61 16.6 12.9 19.3
70 9.4 8.1 12.1



#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

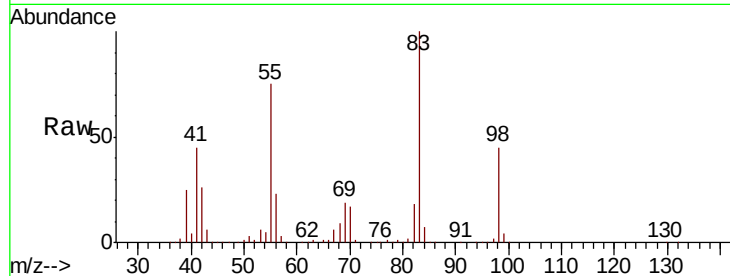




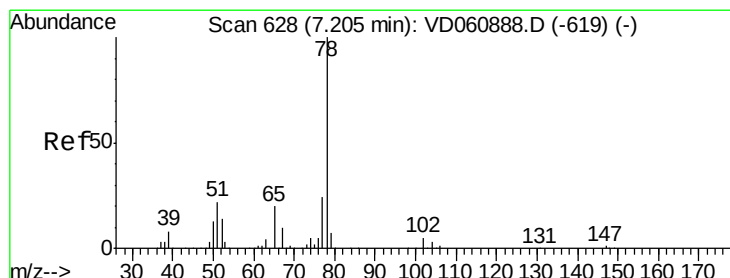
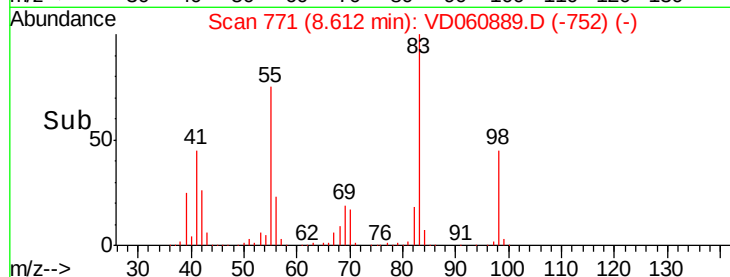
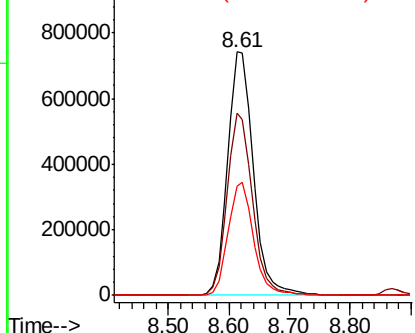
#39
Methylcyclohexane
Concen: 63.735 ug/l
RT: 8.61 min Scan# 771
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

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

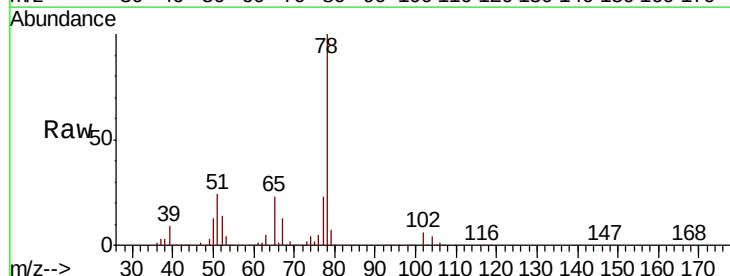


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

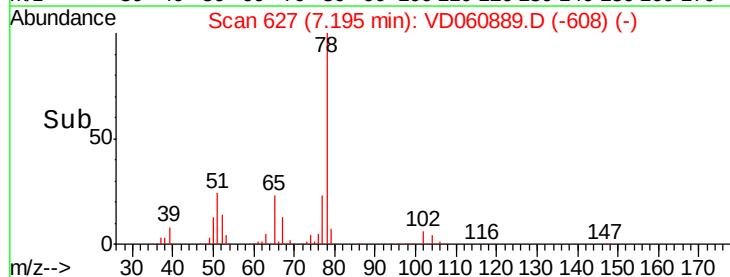
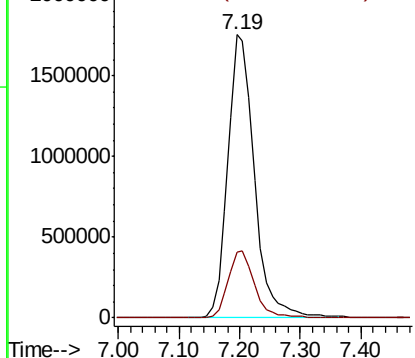


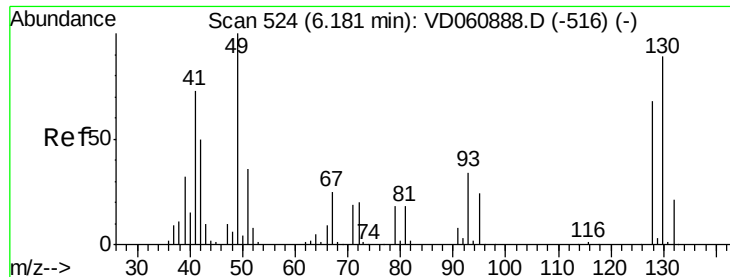
#40
Benzene
Concen: 66.833 ug/l
RT: 7.19 min Scan# 627
Delta R.T. -0.01 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

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

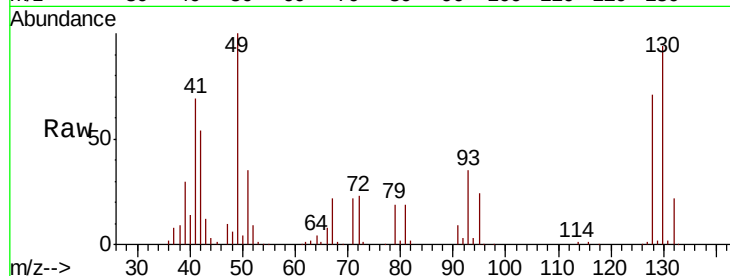




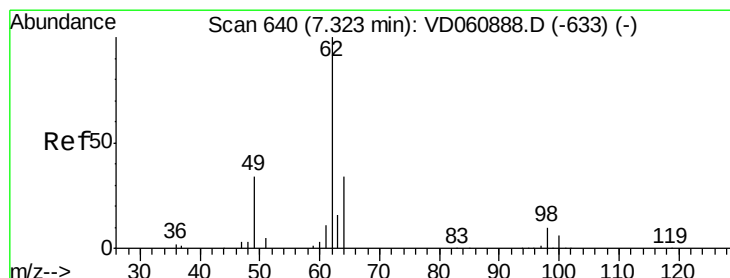
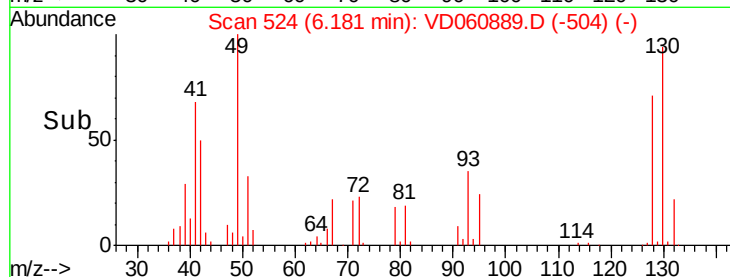
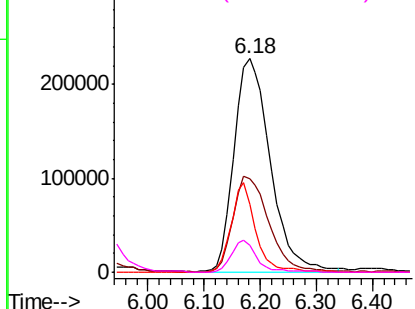
#41
Methacrylonitrile
Concen: 81.564 ug/l
RT: 6.18 min Scan# 524
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 41 Resp: 1011847
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

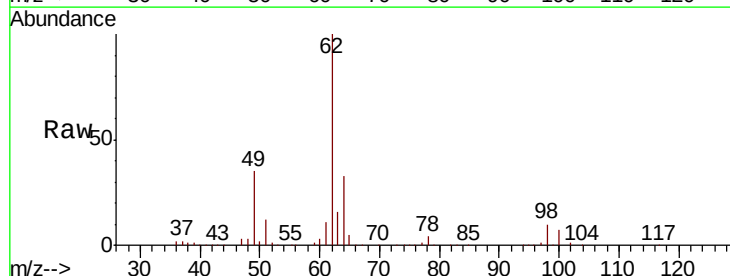


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

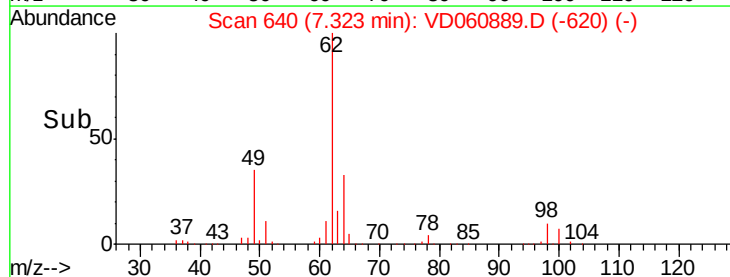
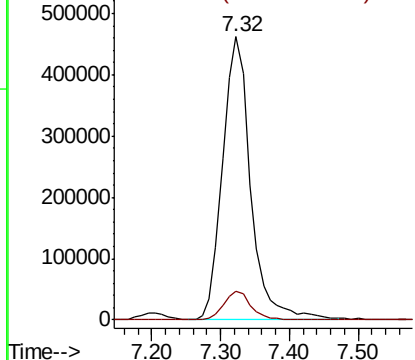


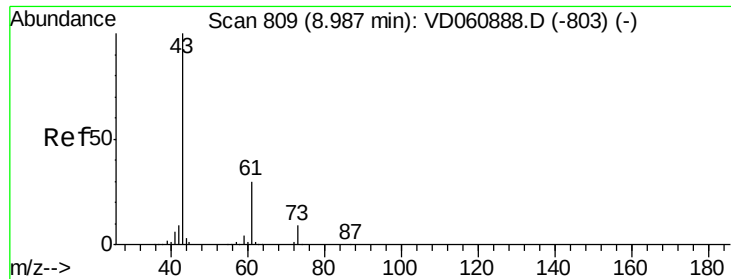
#42
1,2-Dichloroethane
Concen: 42.064 ug/l
RT: 7.32 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

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

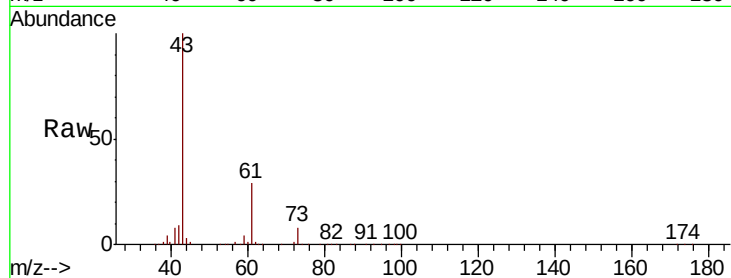
Tgt Ion: 43 Resp: 1146308

Ion Ratio Lower Upper

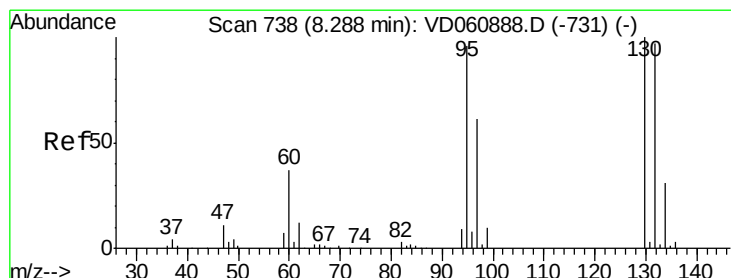
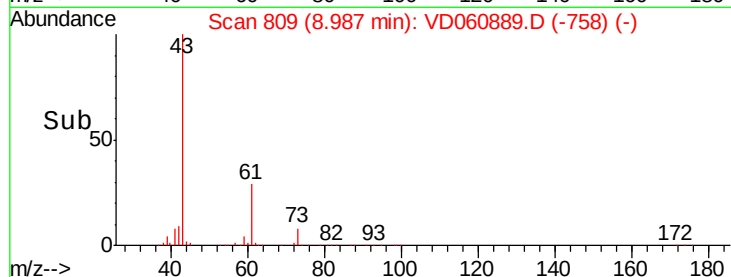
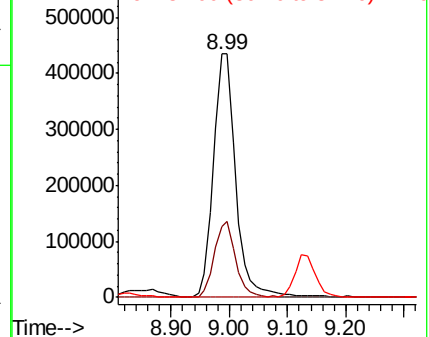
43 100

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

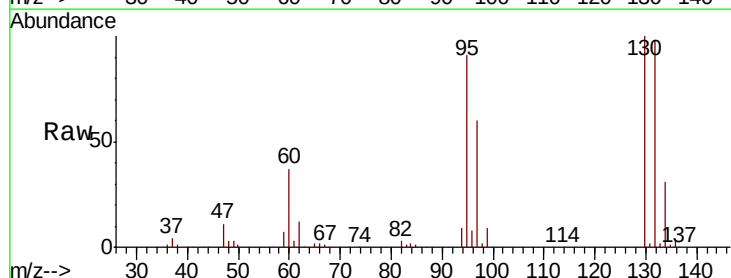
Acq: 21 Feb 2019 18:52

Tgt Ion:130 Resp: 1603299

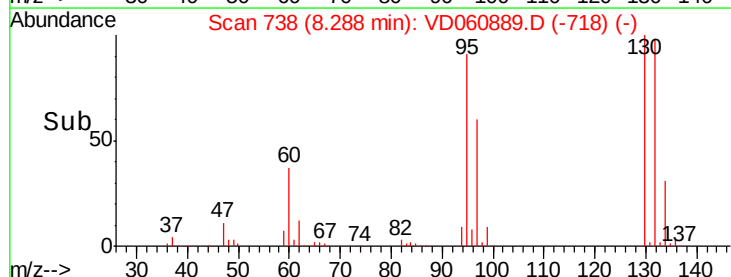
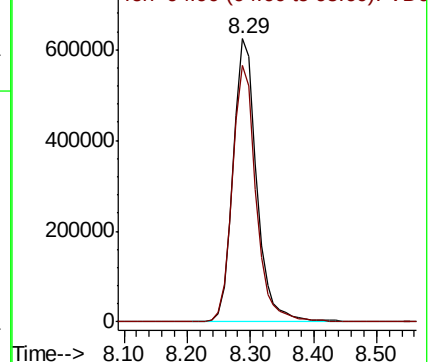
Ion Ratio Lower Upper

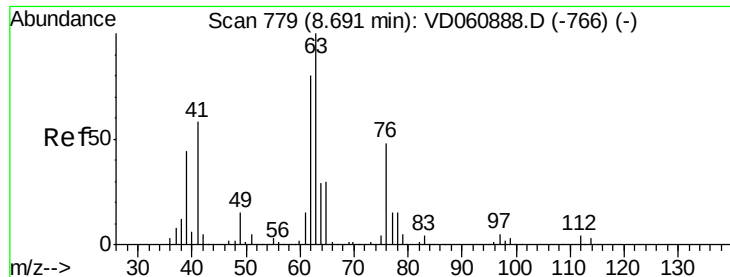
130 100

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

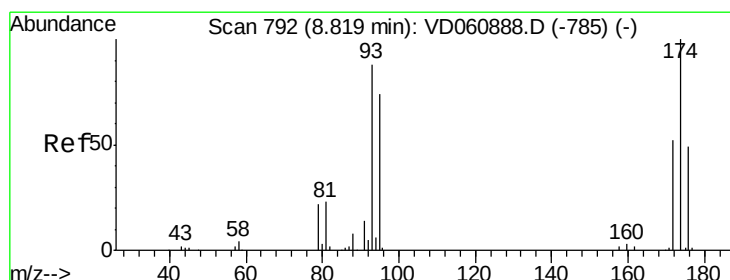
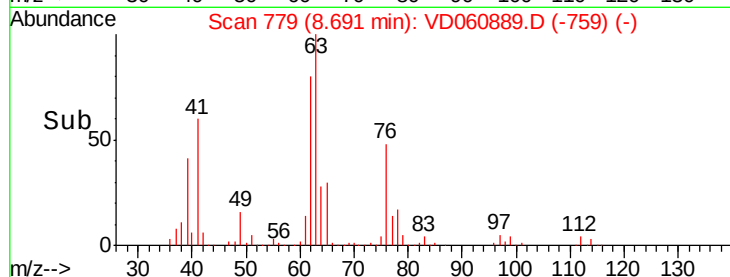
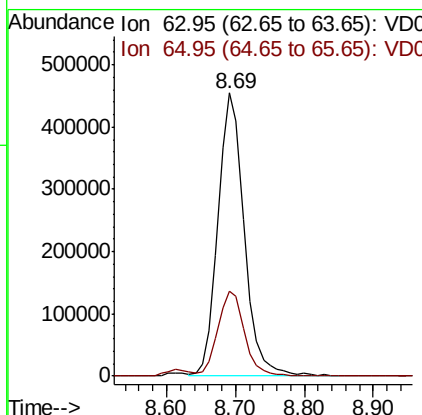
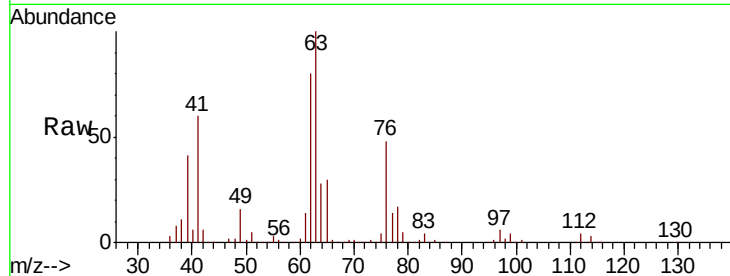




#45
 1,2-Dichloropropane
 Concen: 55.537 ug/l
 RT: 8.69 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

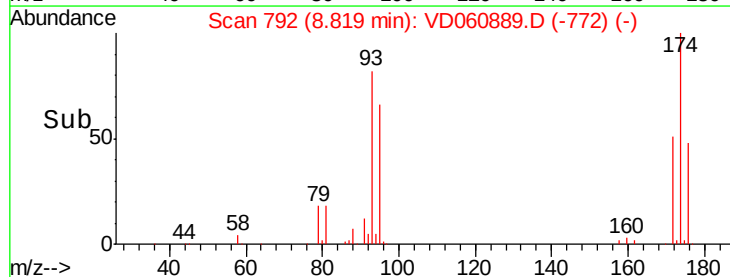
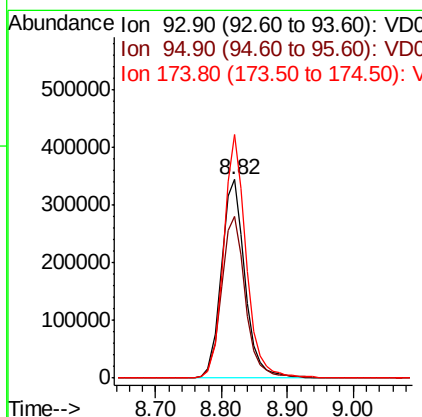
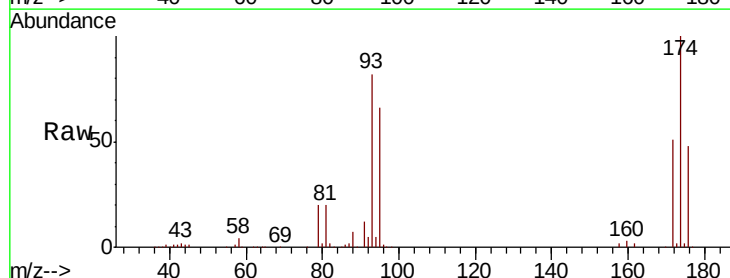
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

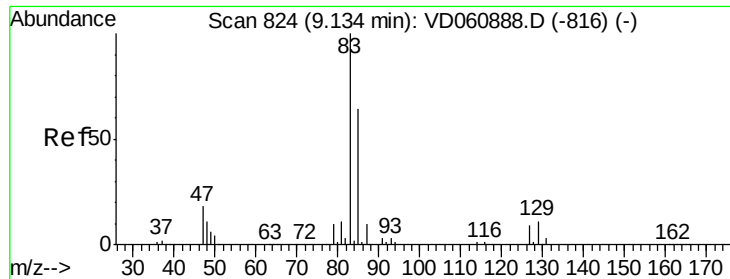
Tgt Ion: 63 Resp: 1188048
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.1 36.1



#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





#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

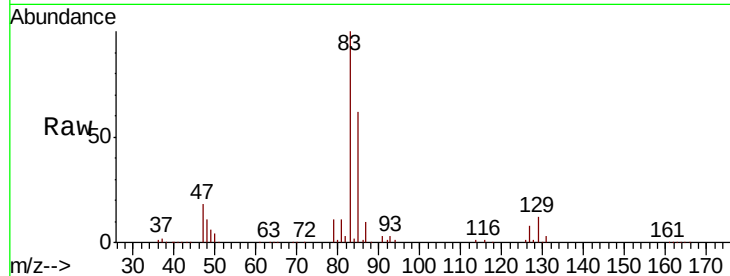
Tgt Ion: 83 Resp: 1904815

Ion Ratio Lower Upper

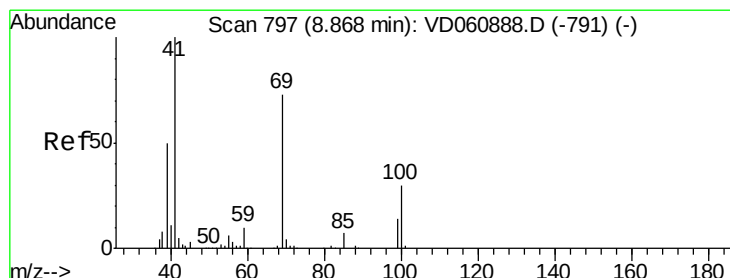
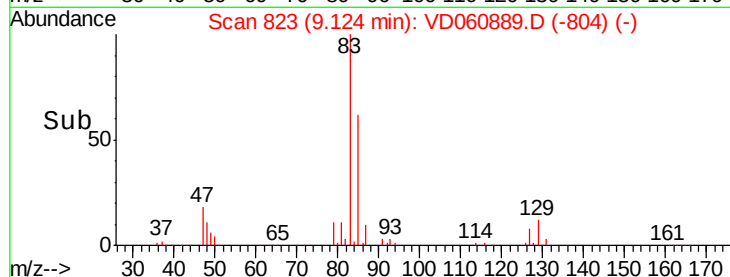
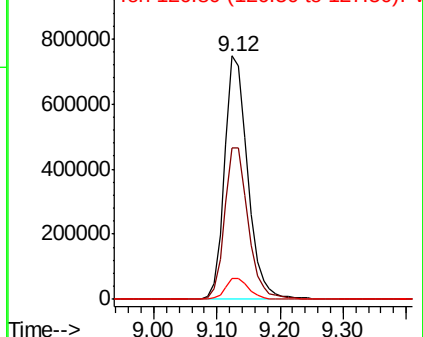
83 100

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

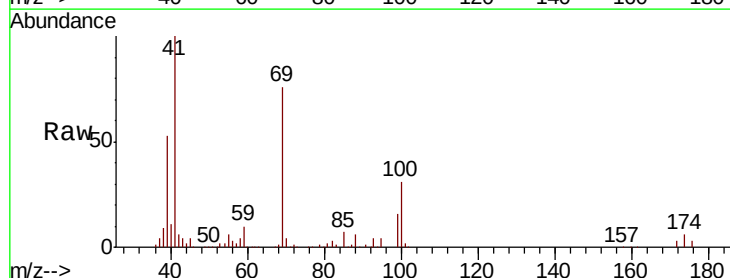
Tgt Ion: 41 Resp: 747373

Ion Ratio Lower Upper

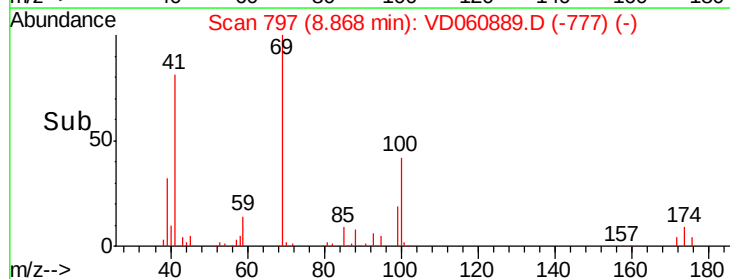
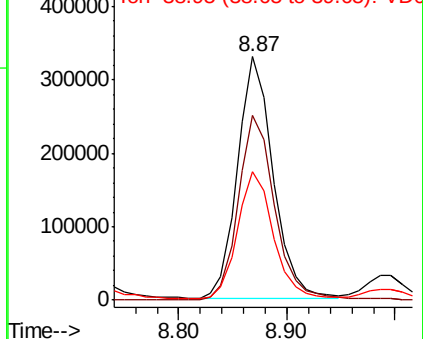
41 100

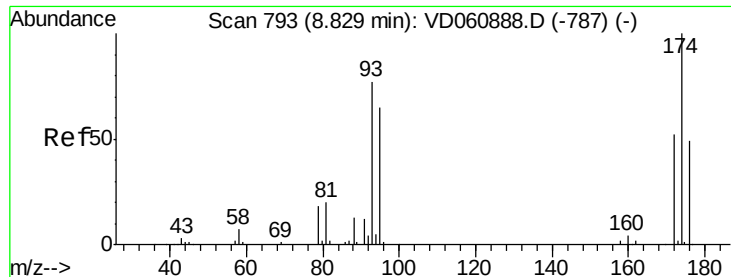
69 76.1 57.8 86.6

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

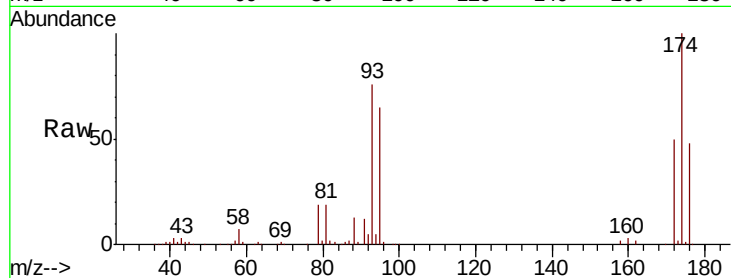




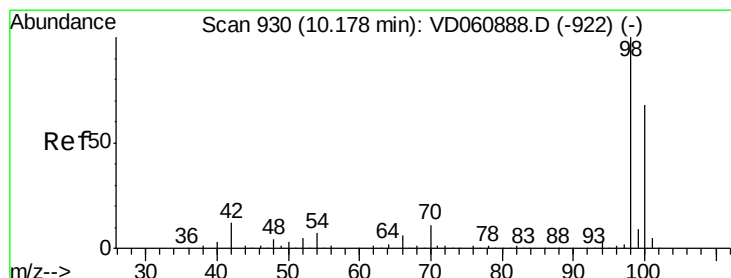
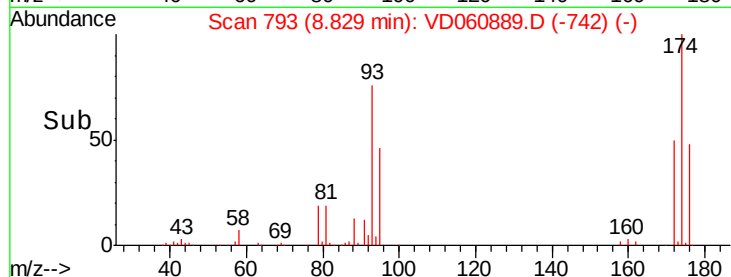
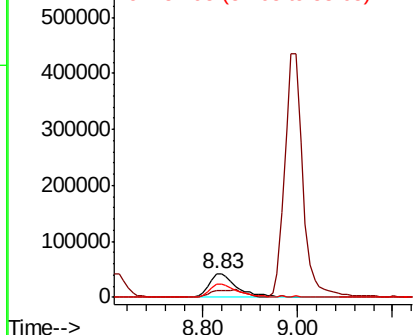
#49
1,4-Dioxane
Concen: 1496.726 ug/l
RT: 8.83 min Scan# 793
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion: 88 Resp: 172775
Ion Ratio Lower Upper
88 100
43 27.3 21.6 32.4
58 55.4 43.0 64.6

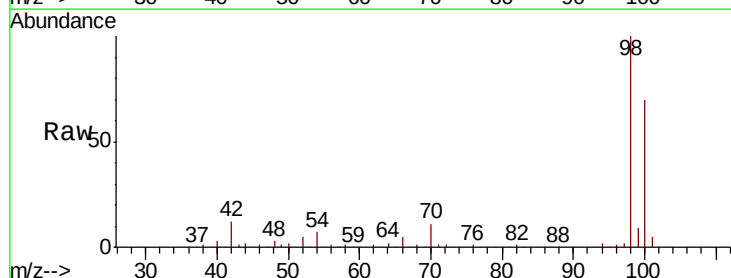


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

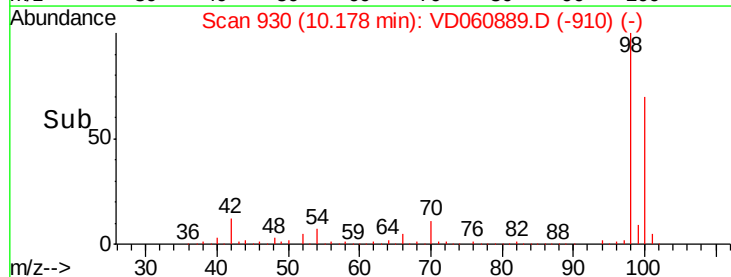
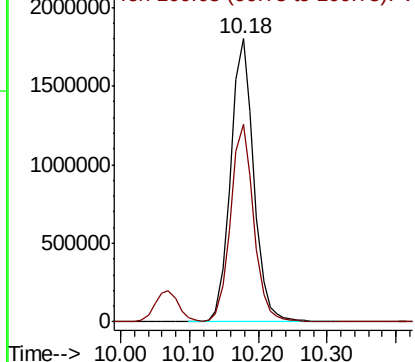


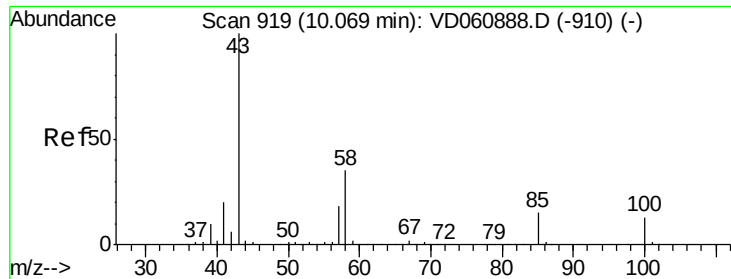
#50
Toluene-d8
Concen: 1496.726 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

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 :

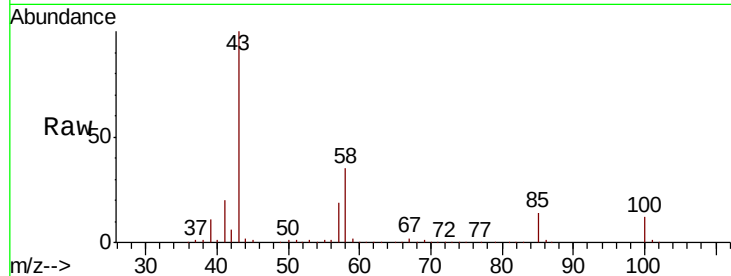
VSTDIC075

Tgt Ion: 43 Resp: 3812577

Ion Ratio Lower Upper

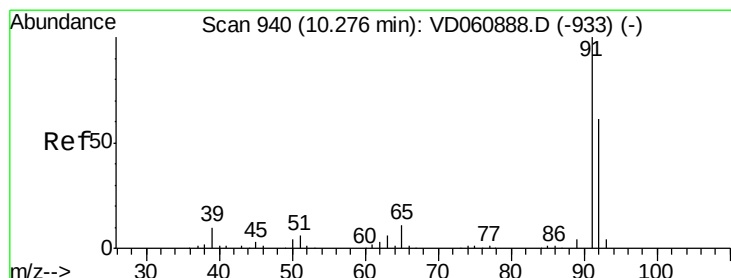
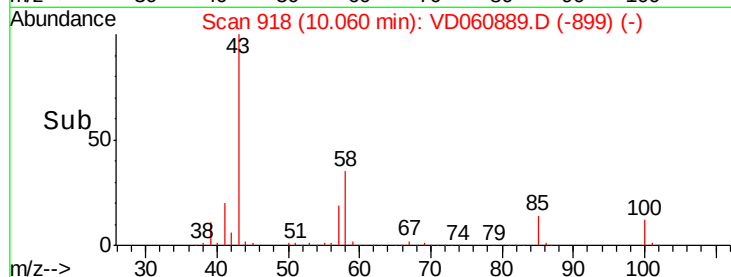
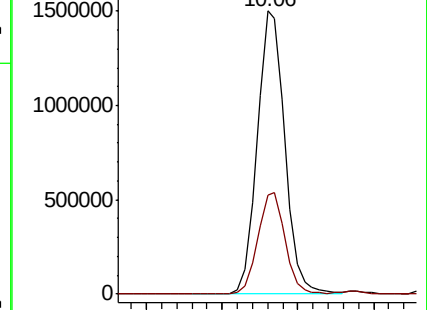
43 100

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

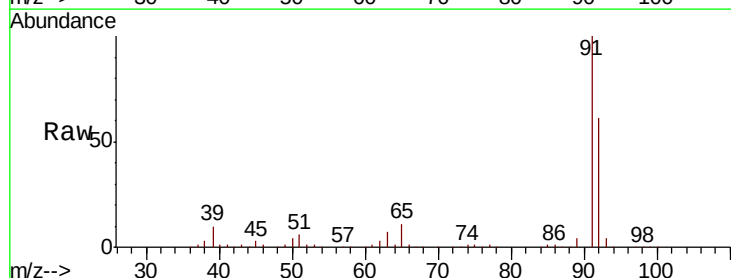
Acq: 21 Feb 2019 18:52

Tgt Ion: 92 Resp: 2972262

Ion Ratio Lower Upper

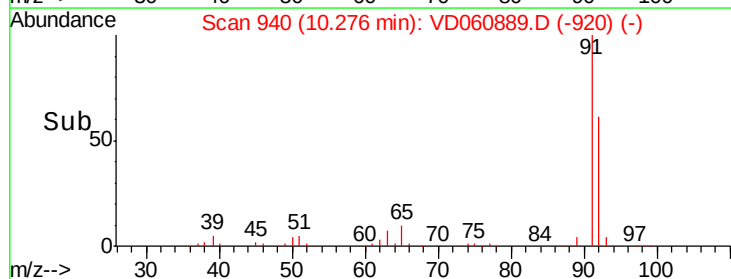
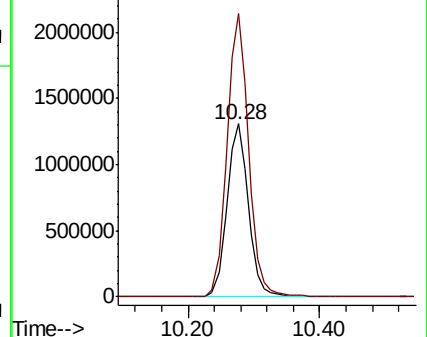
92 100

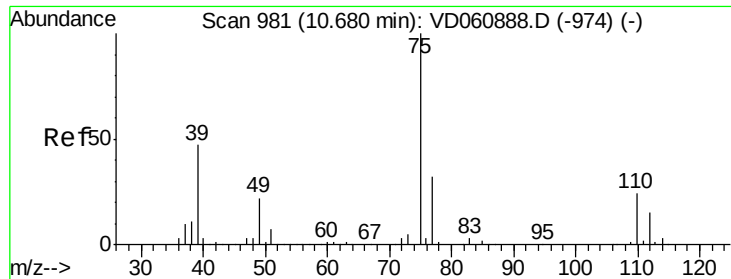
91 163.8 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

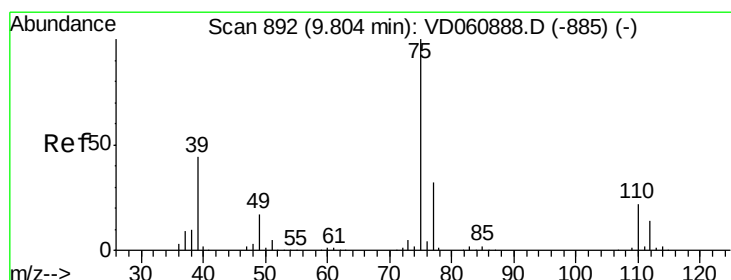
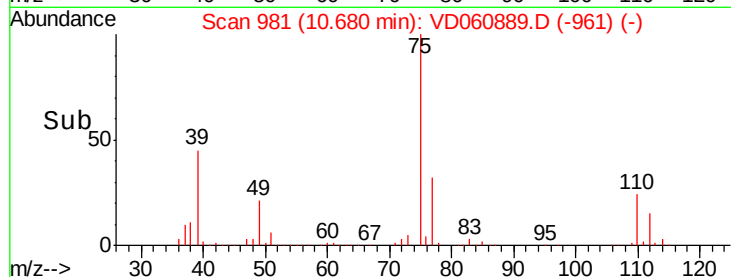
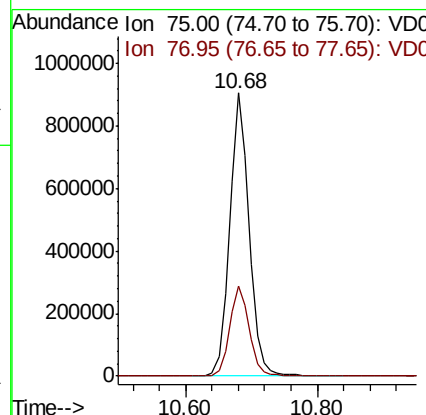
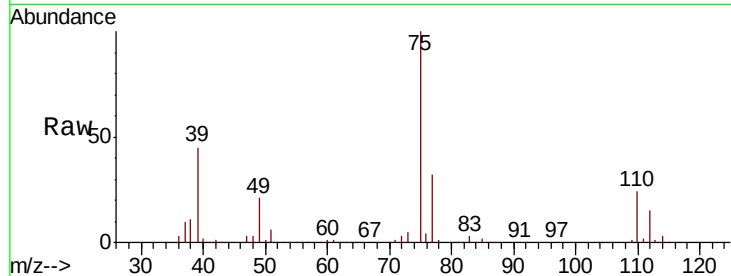




#53
 t-1,3-Dichloropropene
 Concen: 60.581 ug/l
 RT: 10.68 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

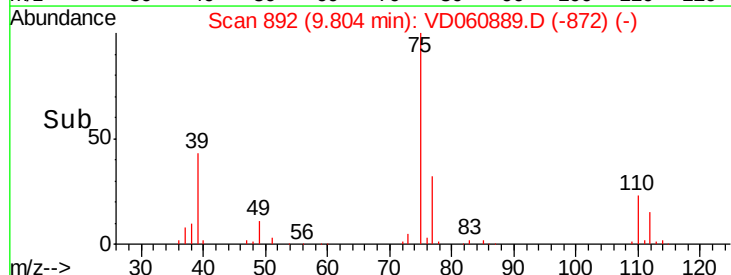
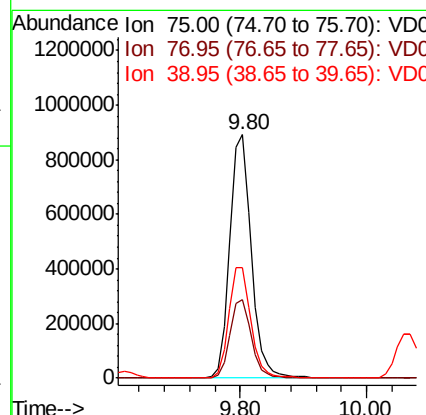
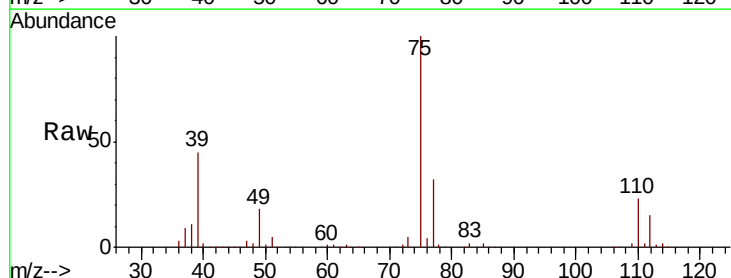
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

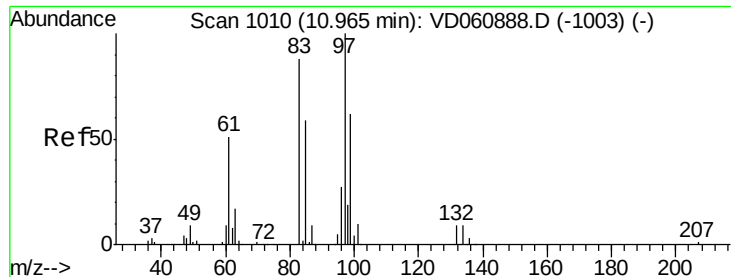
Tgt Ion: 75 Resp: 1861070
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3



#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

Tgt Ion: 97 Resp: 922661

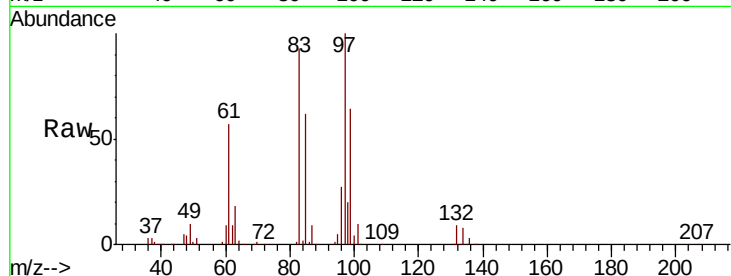
Ion Ratio Lower Upper

97 100

83 93.4 70.8 106.2

85 61.7 47.6 71.4

99 63.6 49.6 74.4

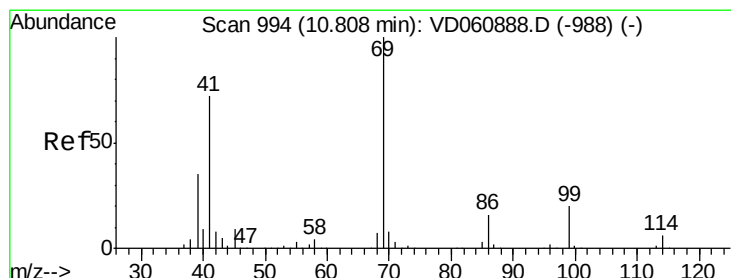
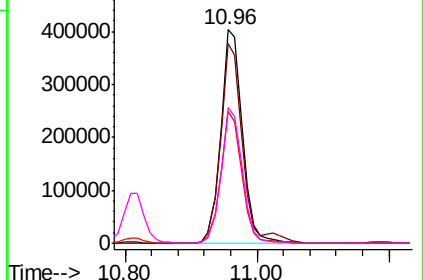
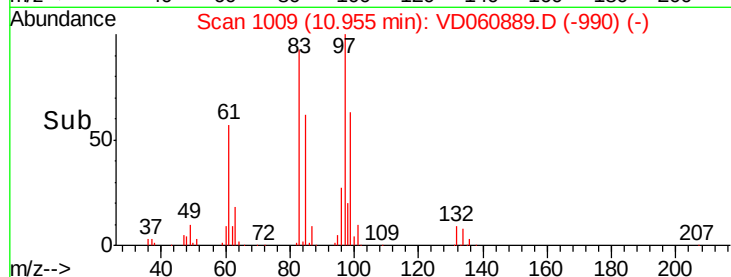


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#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

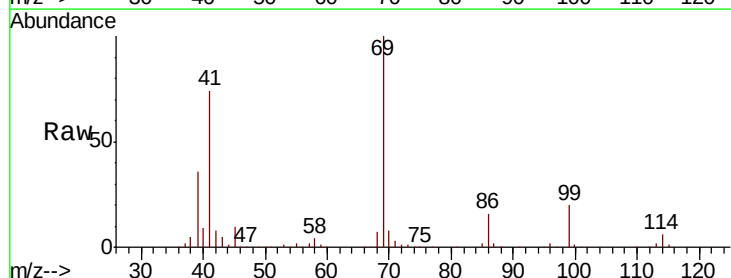
Tgt Ion: 69 Resp: 1046715

Ion Ratio Lower Upper

69 100

41 74.4 57.8 86.8

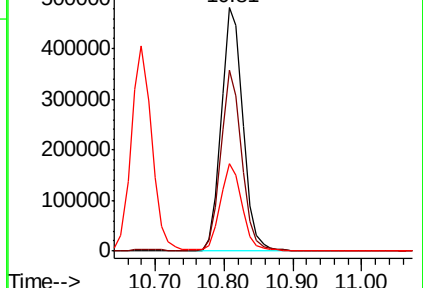
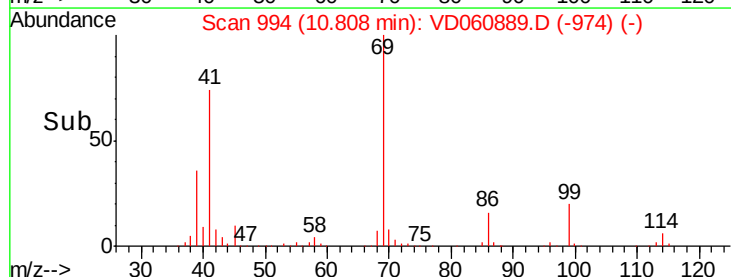
39 35.7 28.6 43.0

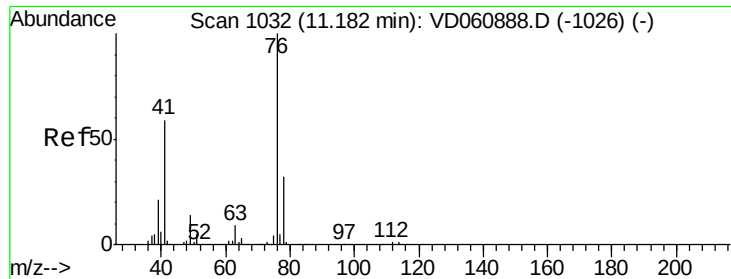


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

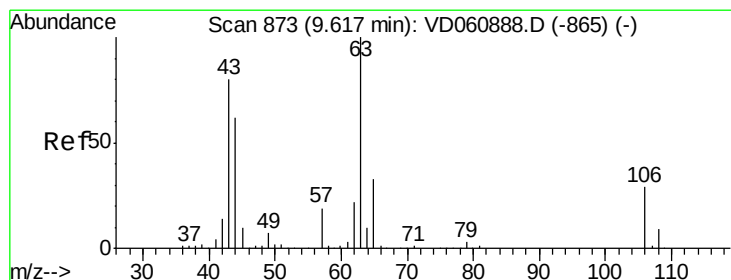
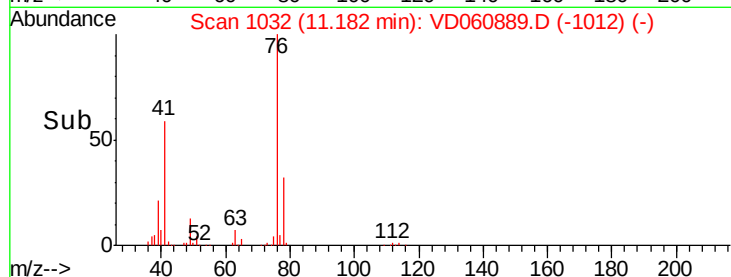
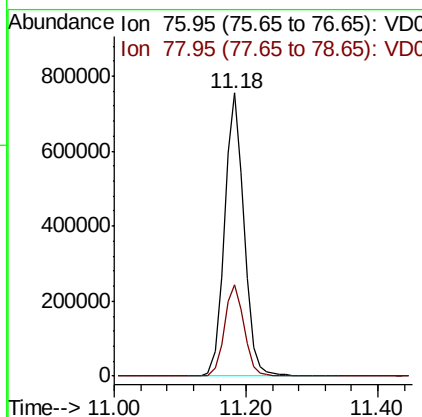
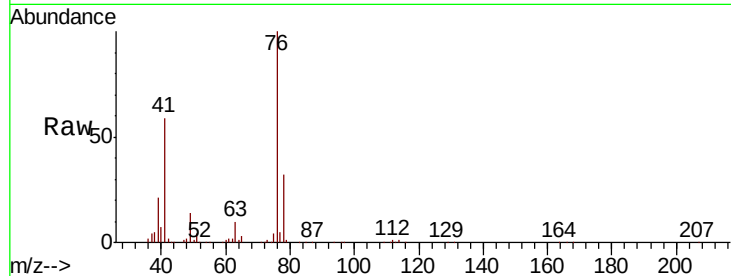




#57
 1,3-Dichloropropane
 Concen: 62.114 ug/l
 RT: 11.18 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

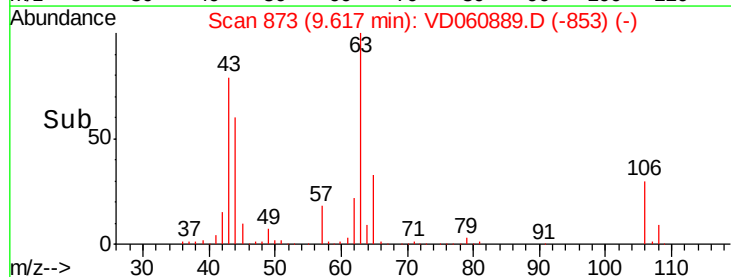
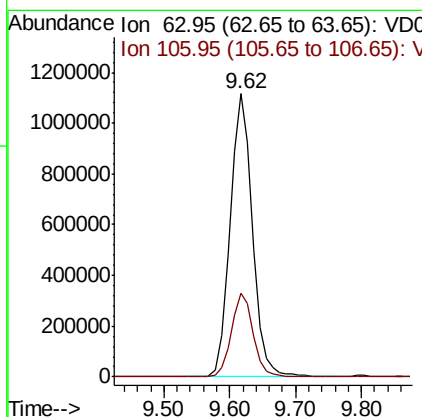
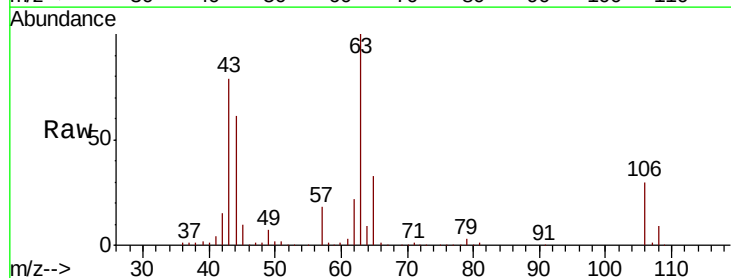
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

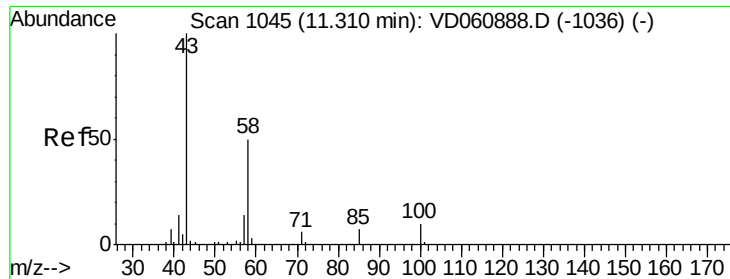
Tgt Ion: 76 Resp: 1555917
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9



#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

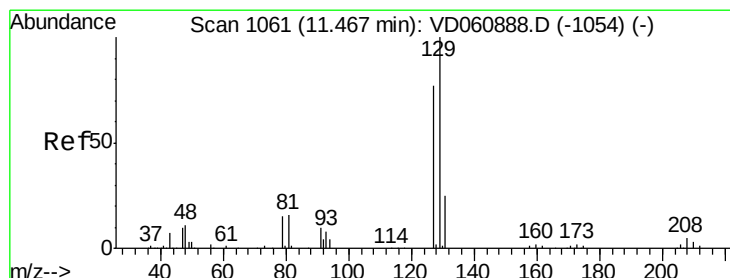
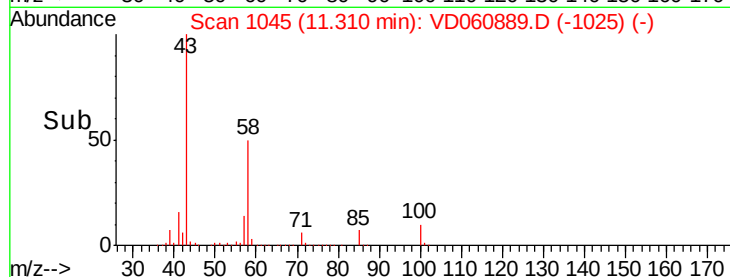
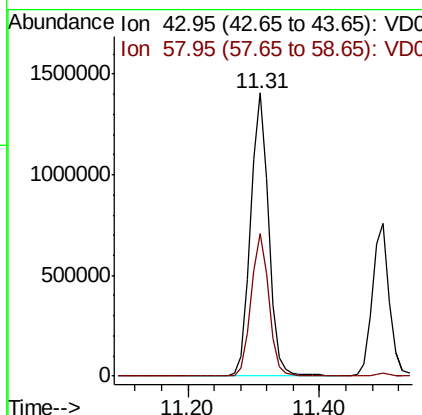
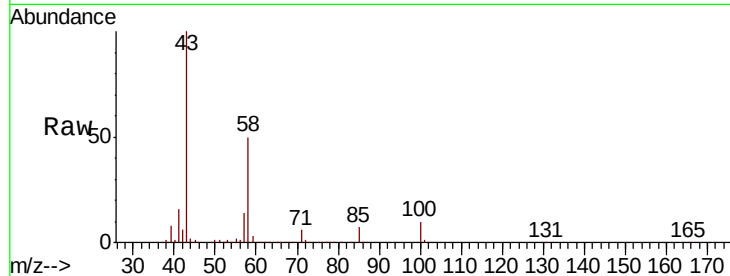




#59
2-Hexanone
Concen: 247.913 ug/l
RT: 11.31 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

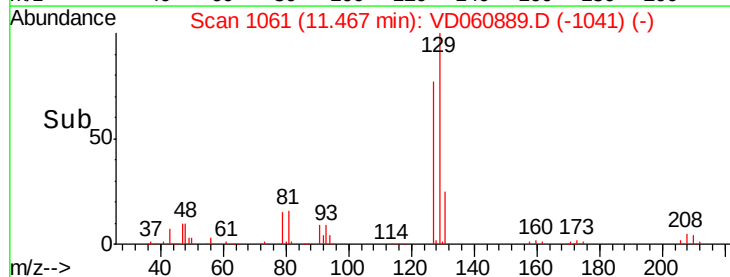
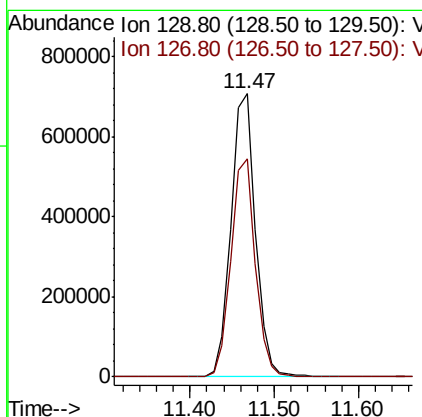
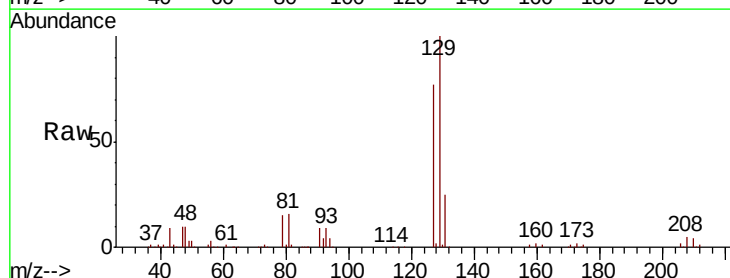
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

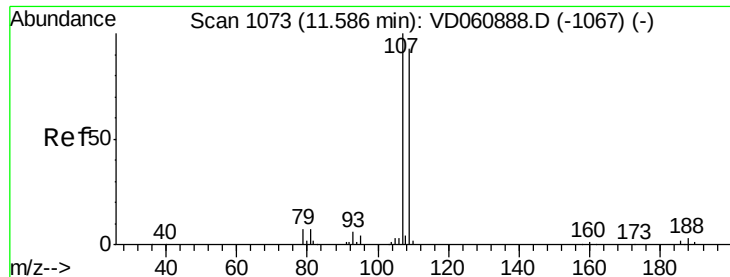
Tgt Ion: 43 Resp: 2717344
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.3



#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





#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 :

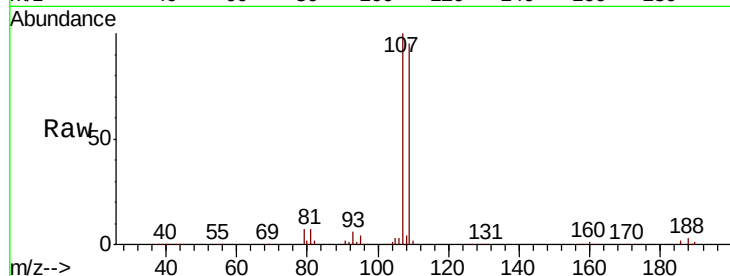
VSTDIC075

Tgt Ion: 107 Resp: 1050984

Ion Ratio Lower Upper

107 100

109 95.0 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.59

600000

500000

400000

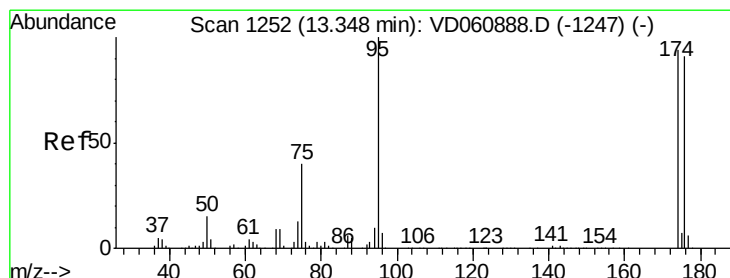
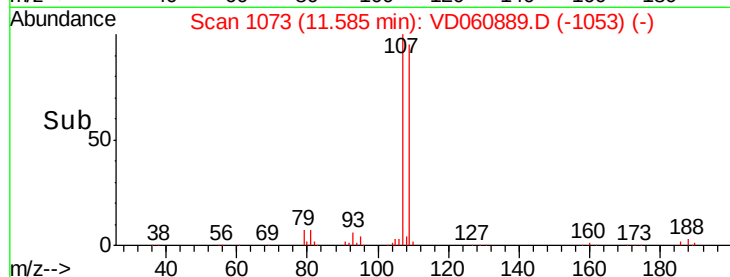
300000

200000

100000

0

Time-->



#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

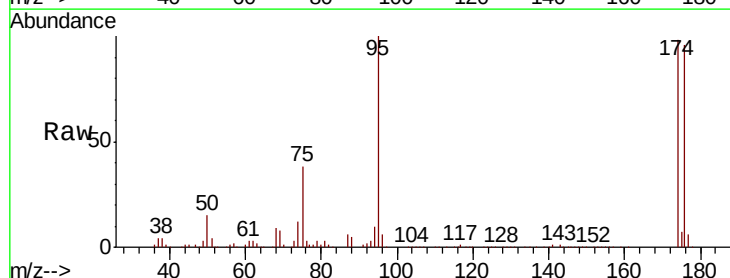
Tgt Ion: 95 Resp: 1453923

Ion Ratio Lower Upper

95 100

174 97.8 0.0 188.0

176 96.0 0.0 181.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

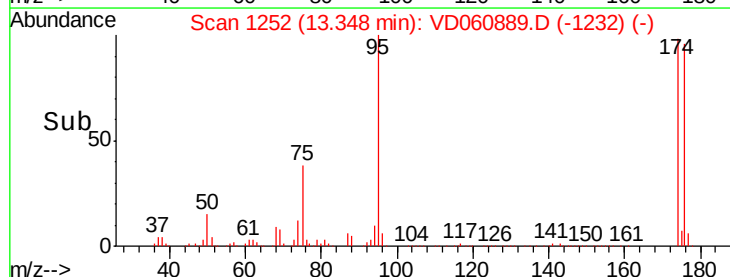
13.35

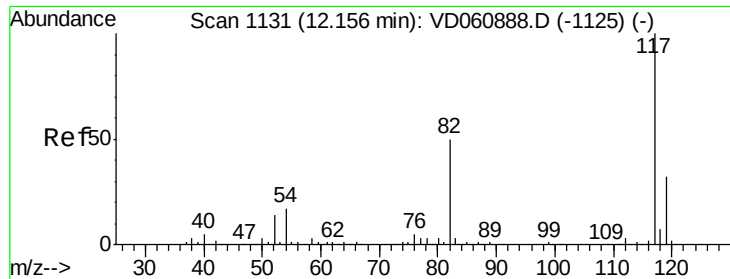
1000000

500000

0

Time-->





#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

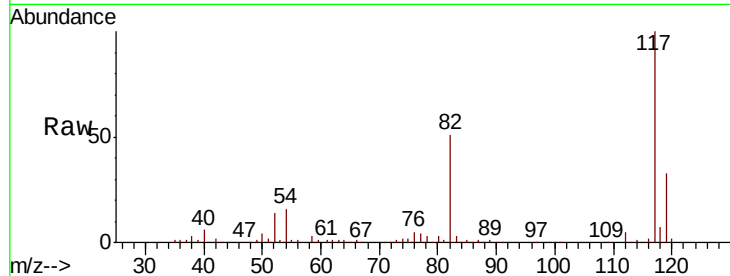
Tgt Ion:117 Resp: 2198859

Ion Ratio Lower Upper

117 100

82 51.4 40.3 60.5

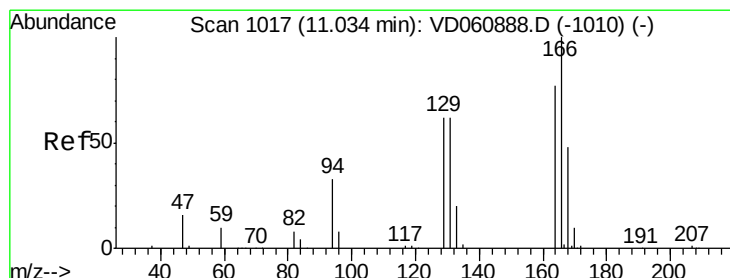
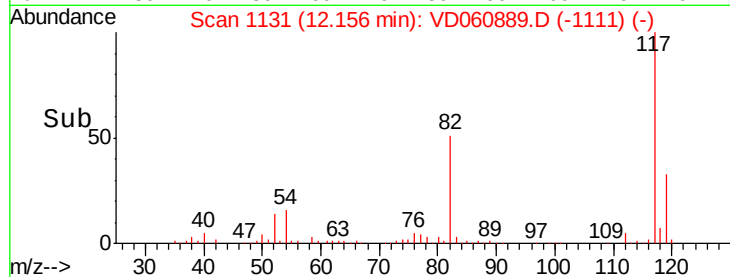
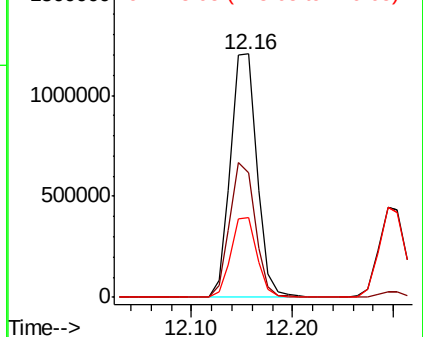
119 32.7 25.8 38.6



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

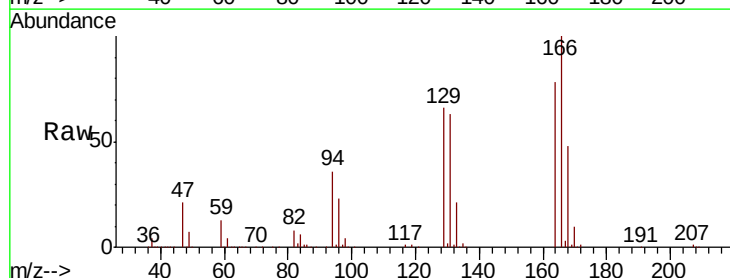
Ion Ratio Lower Upper

164 100

166 128.0 103.9 155.9

129 84.8 64.4 96.6

131 80.4 64.2 96.4

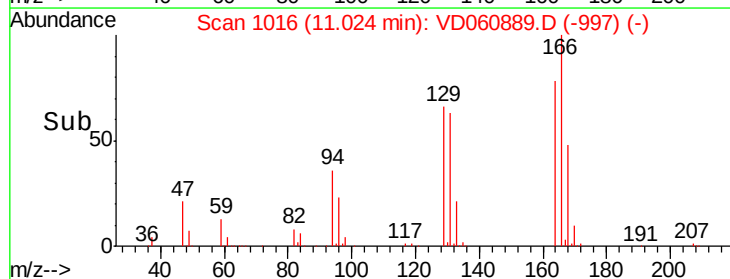
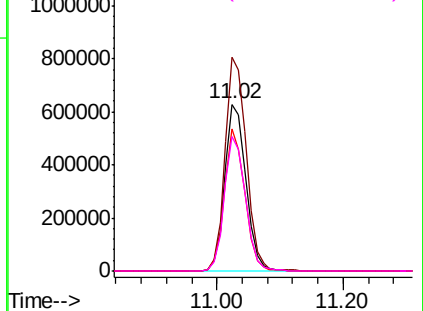


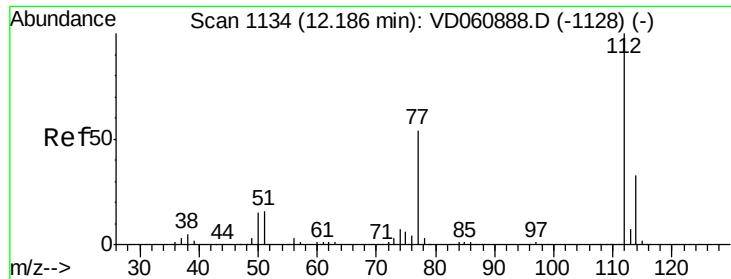
Abundance Ion 163.85 (163.55 to 164.55): V

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

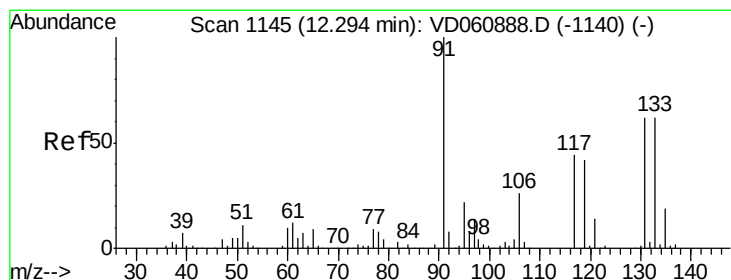
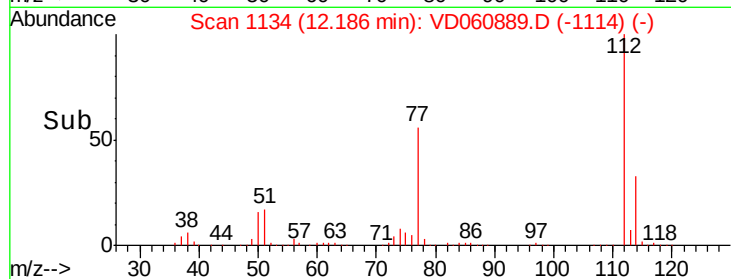
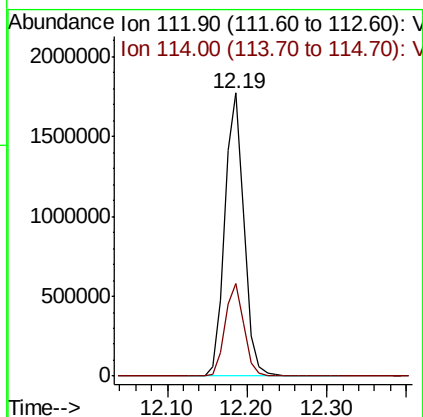
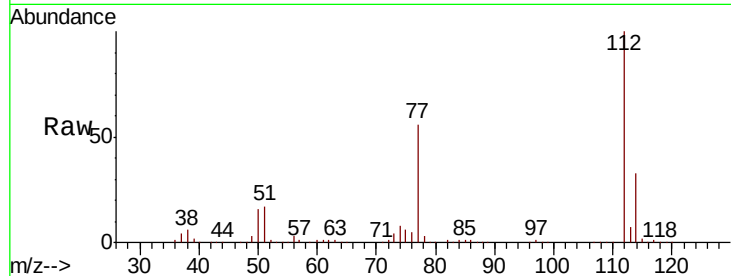




#65
Chlorobenzene
Concen: 66.063 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

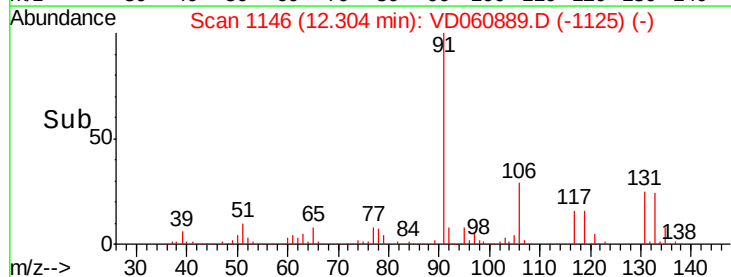
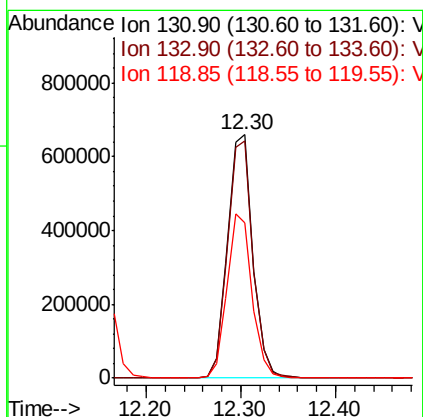
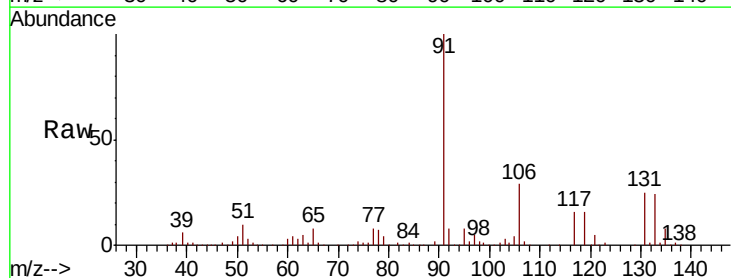
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

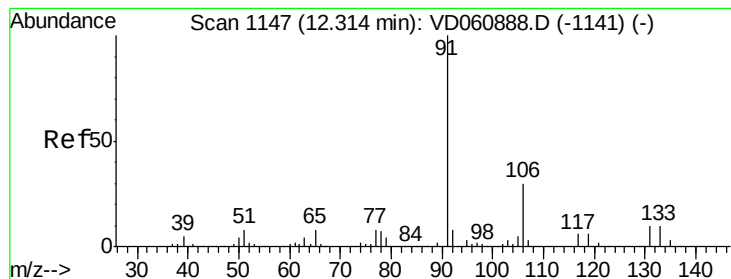
Tgt Ion:112 Resp: 3016904
Ion Ratio Lower Upper
112 100
114 32.9 26.1 39.1



#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 :

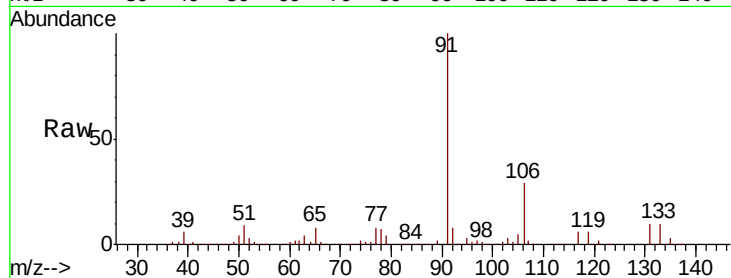
VSTDIC075

Tgt Ion: 91 Resp: 5068799

Ion Ratio Lower Upper

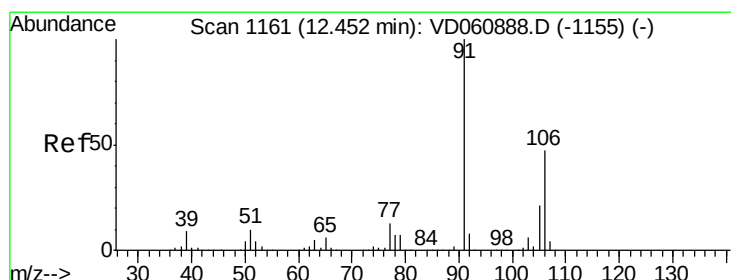
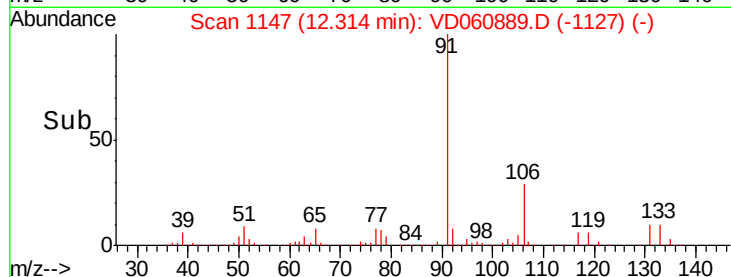
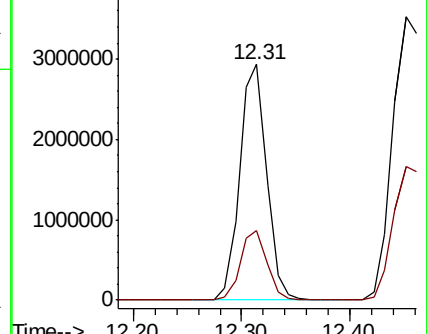
91 100

106 29.4 23.7 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#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

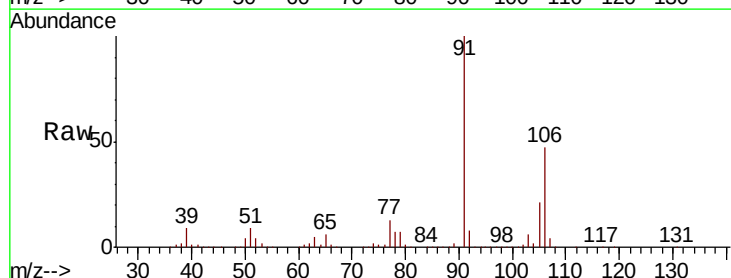
Acq: 21 Feb 2019 18:52

Tgt Ion: 106 Resp: 3612244

Ion Ratio Lower Upper

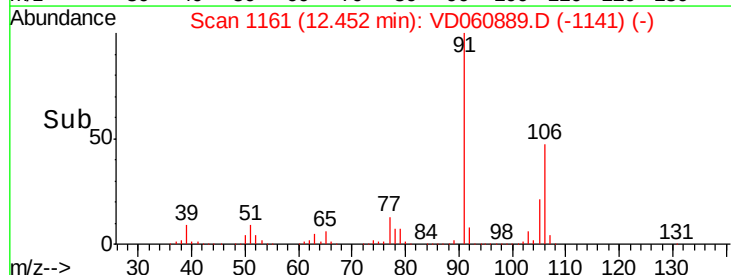
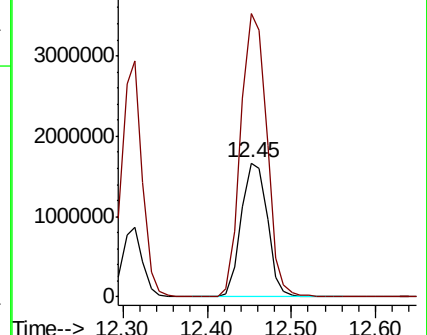
106 100

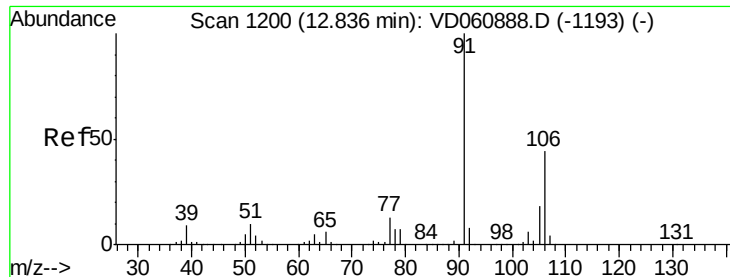
91 211.1 169.6 254.4



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

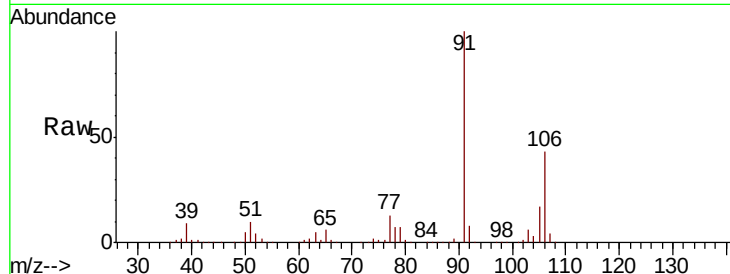




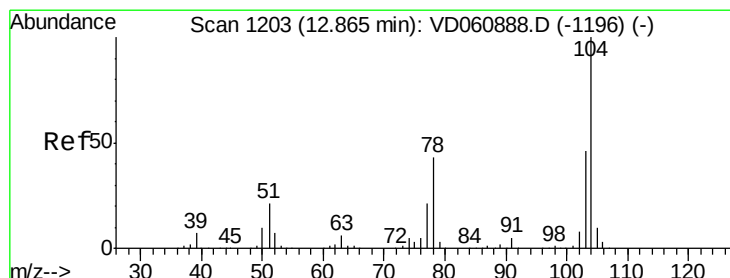
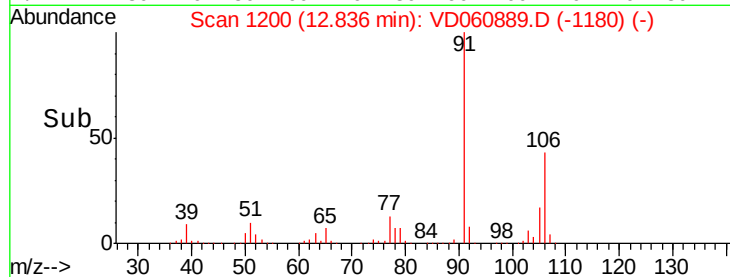
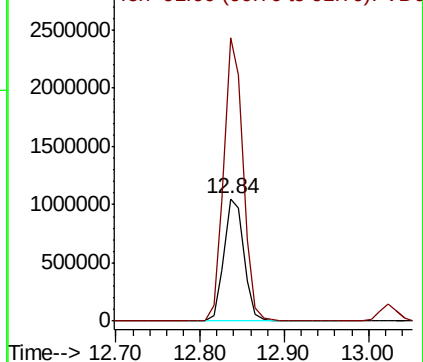
#69
o-Xylene
Concen: 63.118 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC075

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

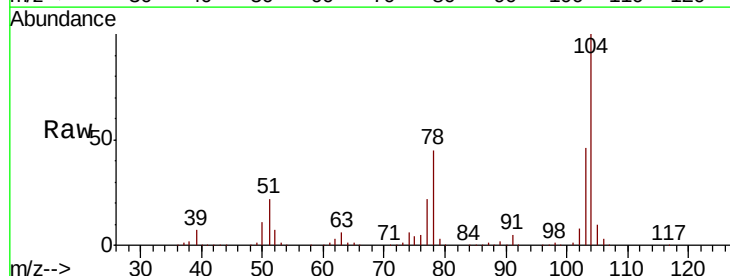


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

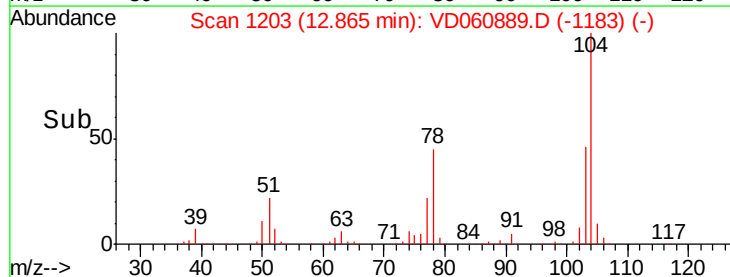
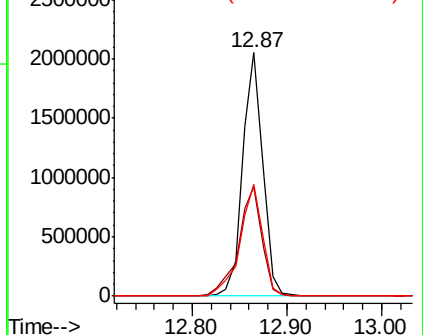


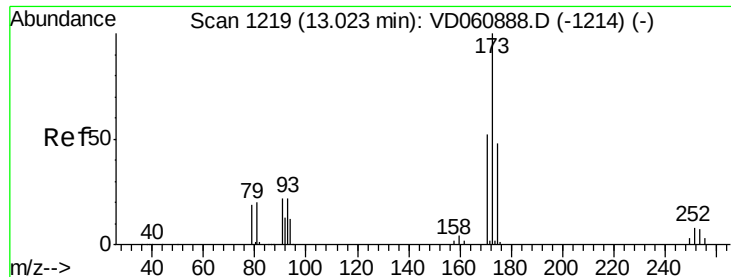
#70
Styrene
Concen: 67.695 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

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): V
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

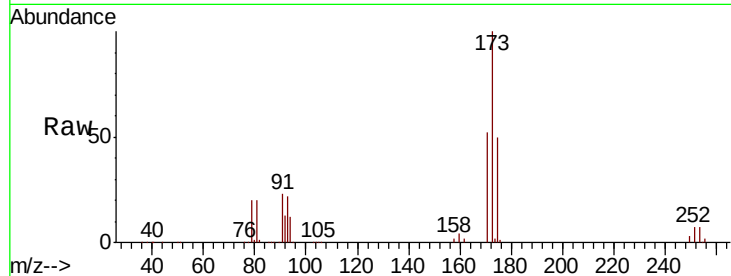
Tgt Ion:173 Resp: 981712

Ion Ratio Lower Upper

173 100

175 50.2 24.3 72.8

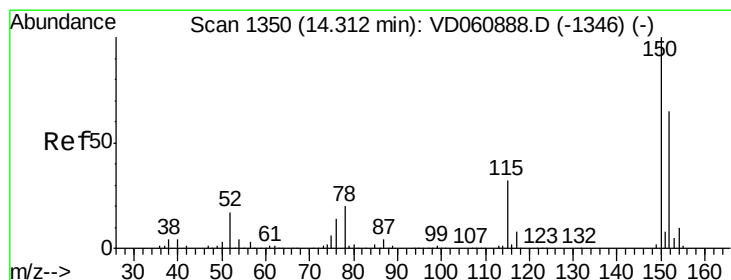
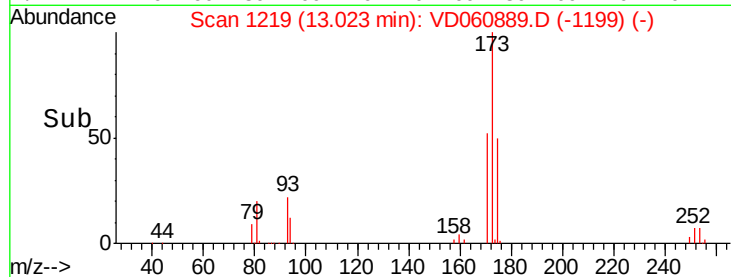
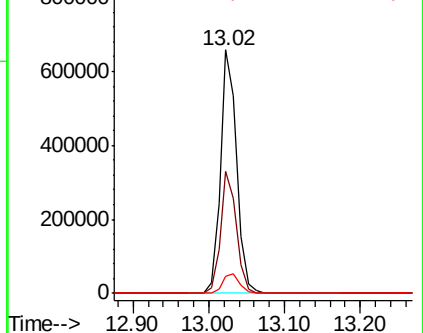
254 7.2 5.7 8.5



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

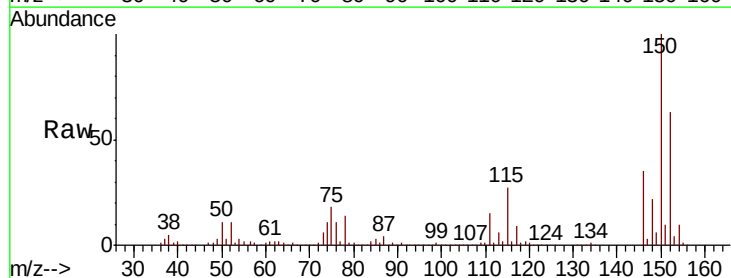
Tgt Ion:152 Resp: 1210818

Ion Ratio Lower Upper

152 100

115 42.7 26.3 78.9

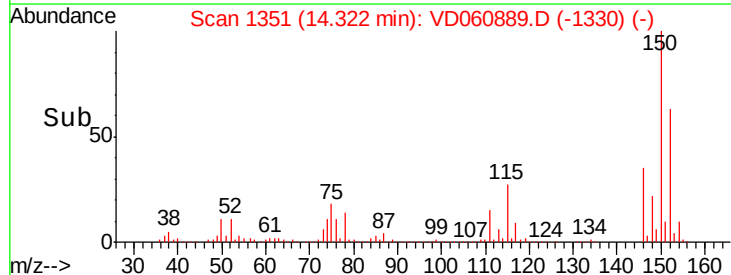
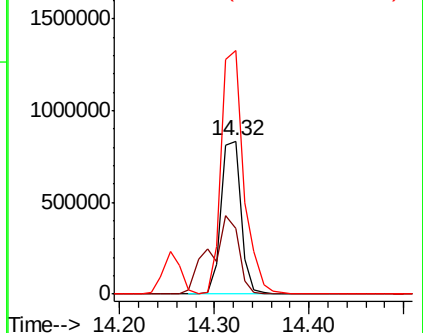
150 159.0 0.0 312.0

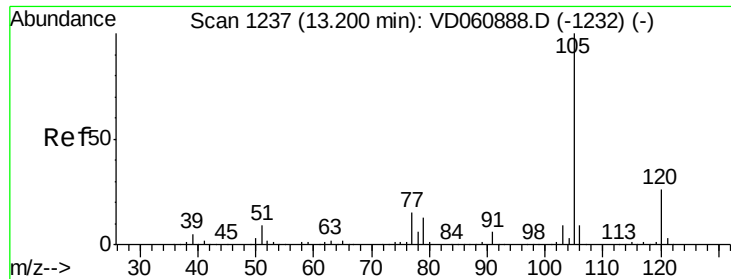


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

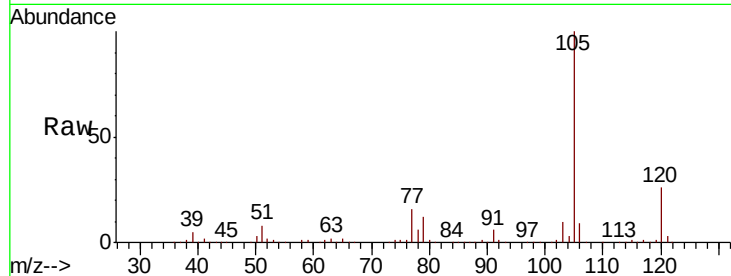
VSTDIC075

Tgt Ion:105 Resp: 4955430

Ion Ratio Lower Upper

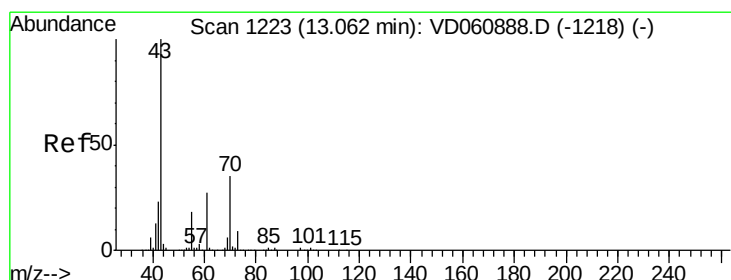
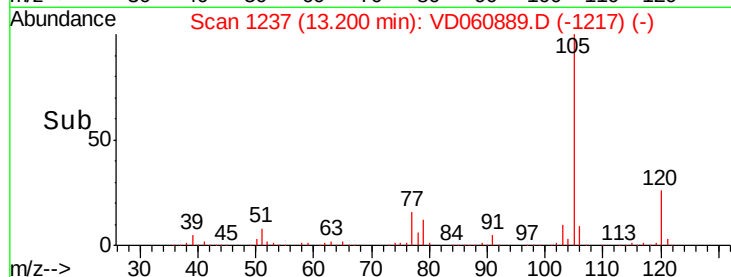
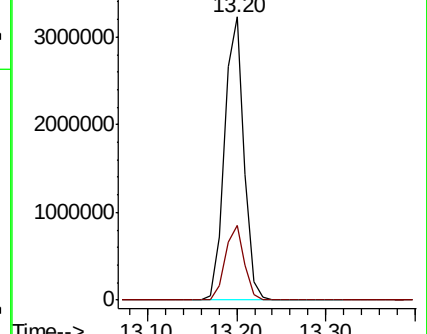
105 100

120 26.5 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#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

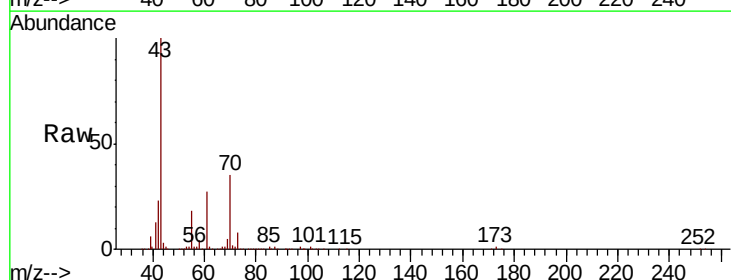
Ion Ratio Lower Upper

43 100

70 35.4 28.4 42.6

55 18.1 14.0 21.0

61 26.8 21.4 32.2

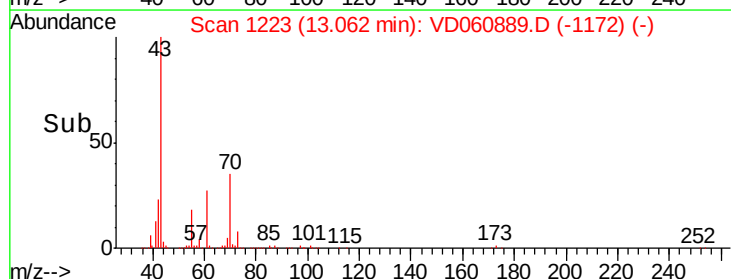
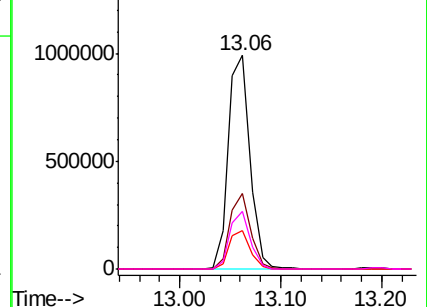


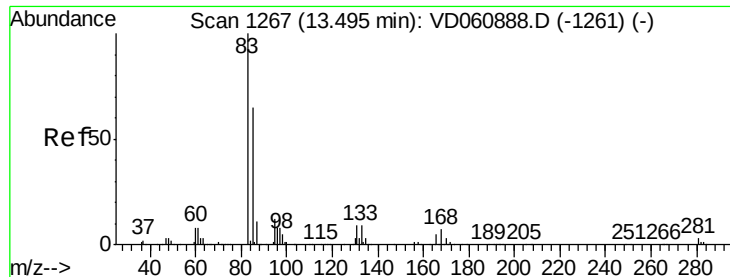
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

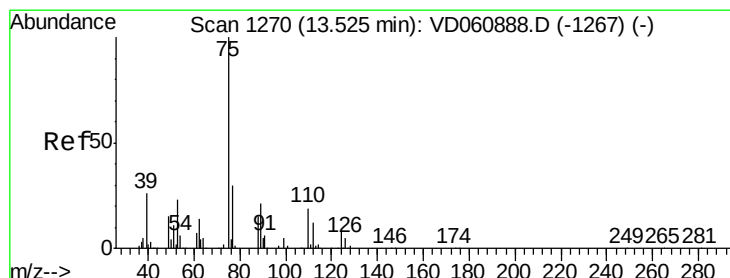
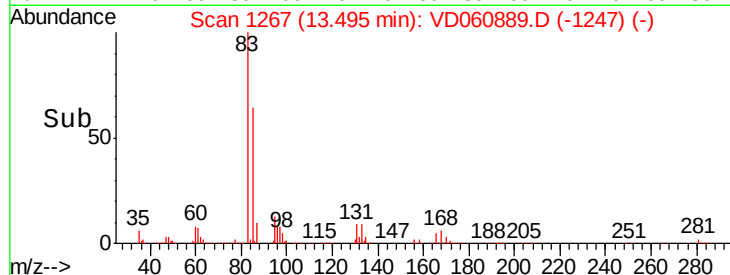
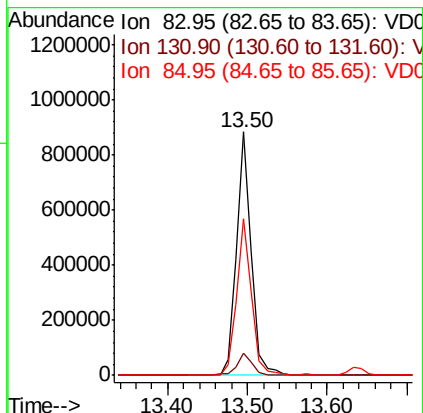
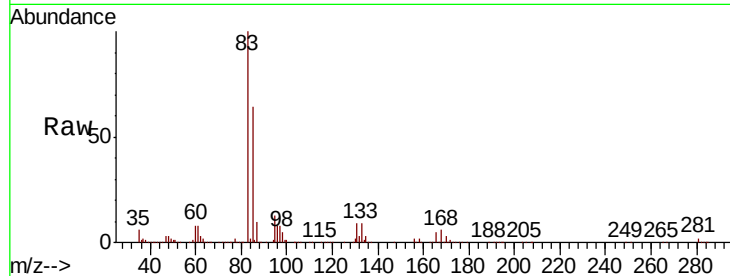




#75
 1,1,2,2-Tetrachloroethane
 Concen: 65.826 ug/l
 RT: 13.50 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

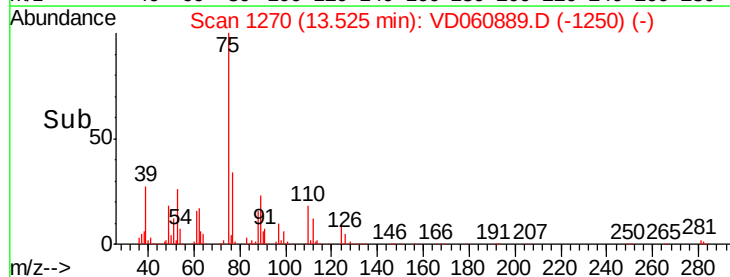
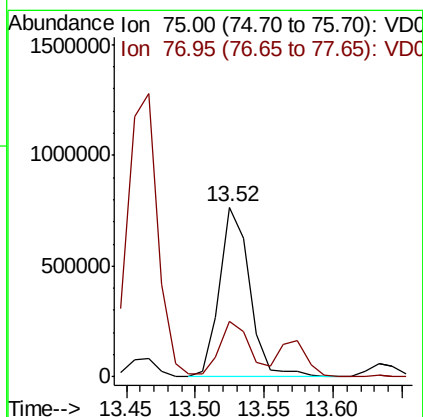
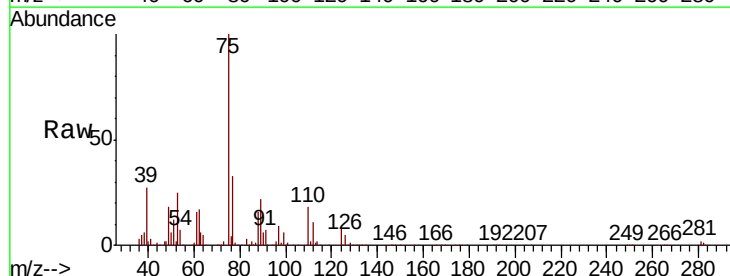
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

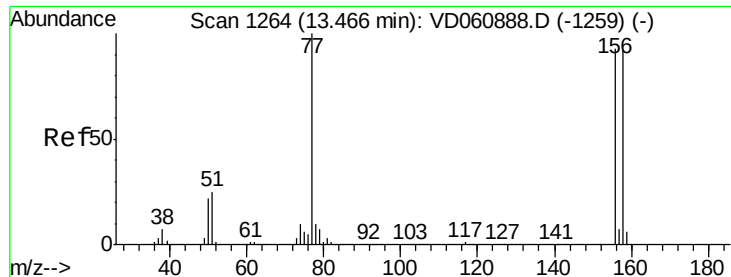
Tgt Ion: 83 Resp: 1152063
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.4
 85 64.4 32.7 98.1



#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





#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

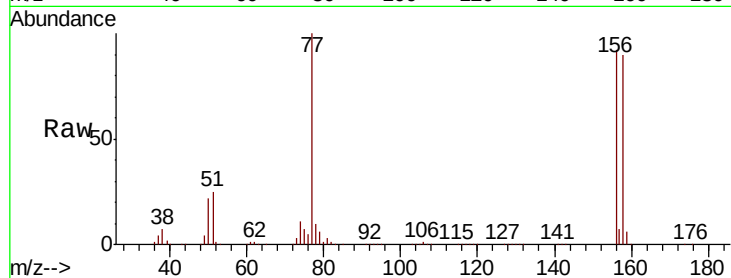
Tgt Ion:156 Resp: 1605905

Ion Ratio Lower Upper

156 100

77 109.2 53.8 161.4

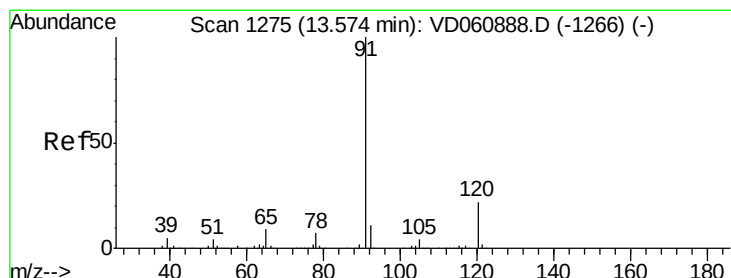
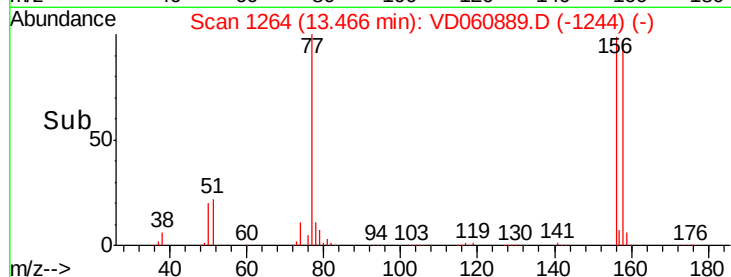
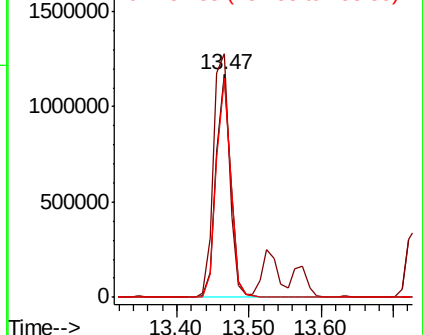
158 98.6 49.3 147.9



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

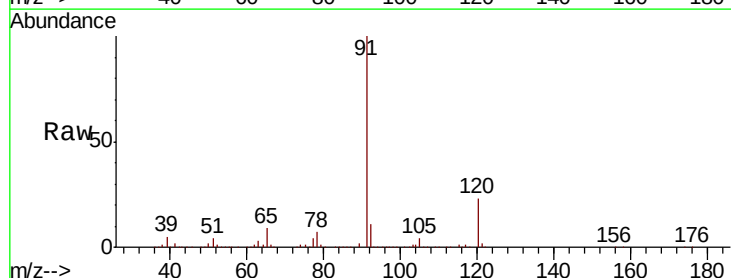
Acq: 21 Feb 2019 18:52

Tgt Ion: 91 Resp: 6345555

Ion Ratio Lower Upper

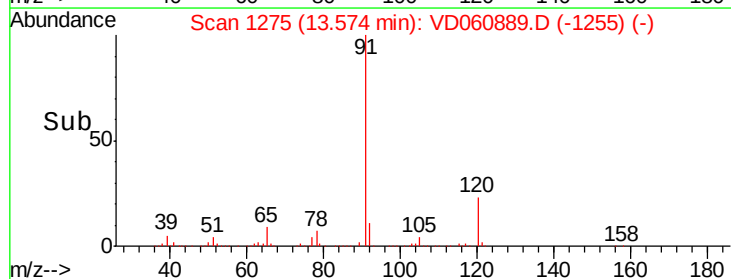
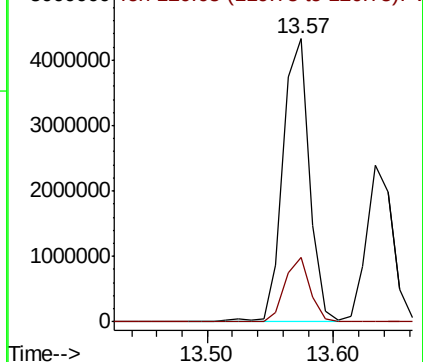
91 100

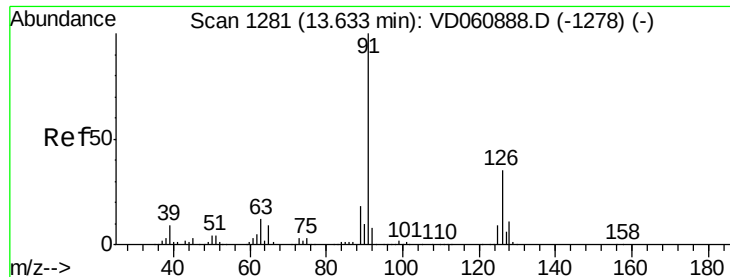
120 22.7 11.2 33.6



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 :

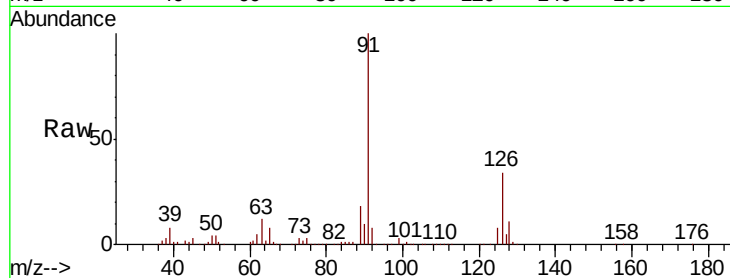
VSTDIC075

Tgt Ion: 91 Resp: 3456706

Ion Ratio Lower Upper

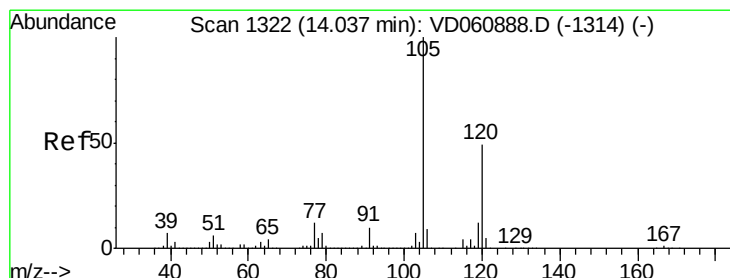
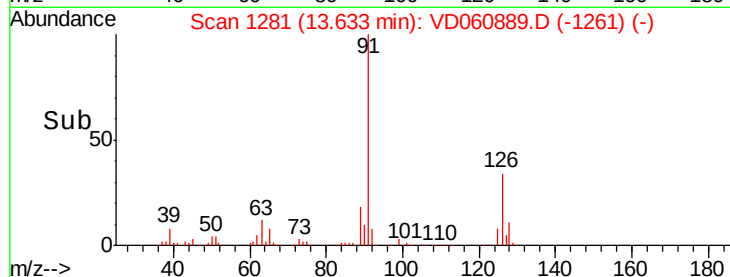
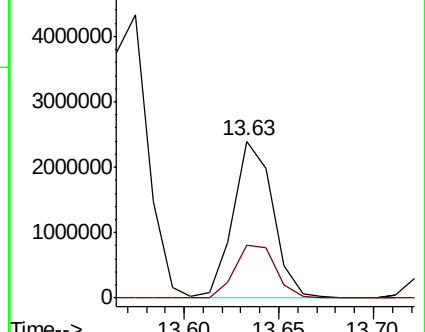
91 100

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

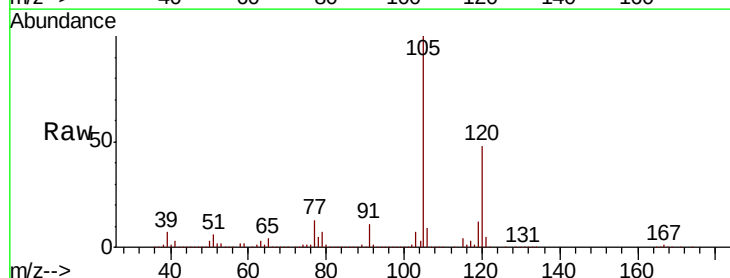
Acq: 21 Feb 2019 18:52

Tgt Ion: 105 Resp: 3773673

Ion Ratio Lower Upper

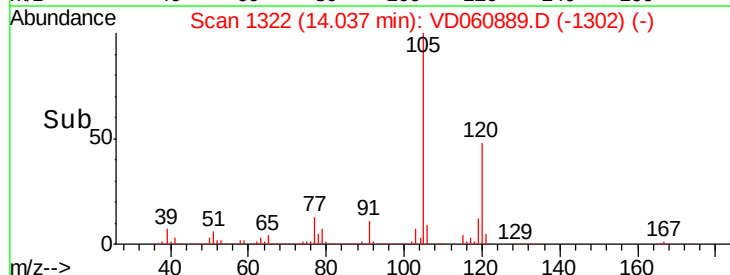
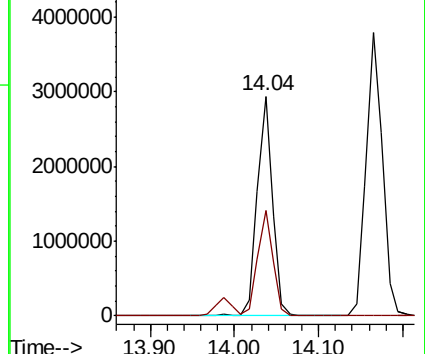
105 100

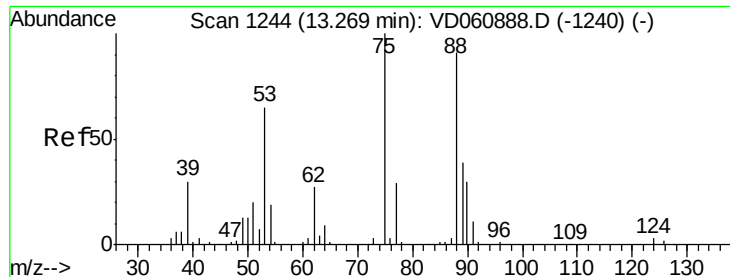
120 48.0 24.3 73.0



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

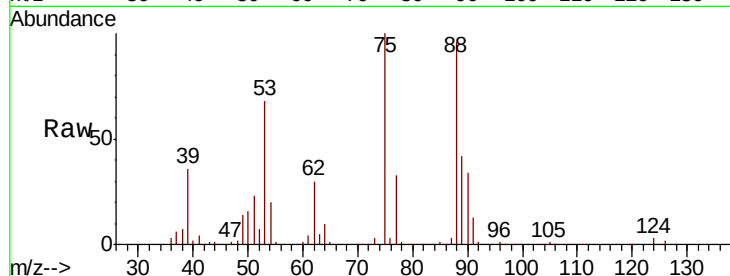
Tgt Ion: 75 Resp: 357141

Ion Ratio Lower Upper

75 100

53 67.8 51.8 77.6

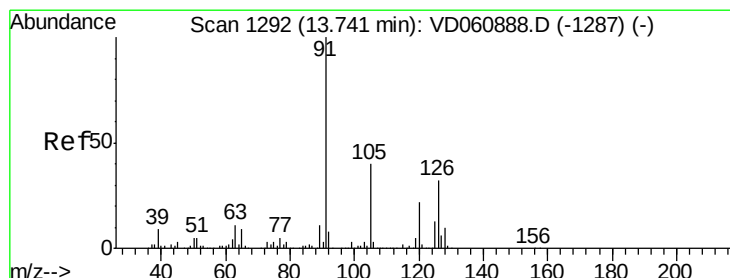
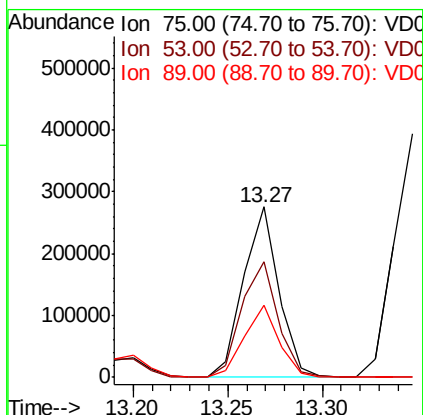
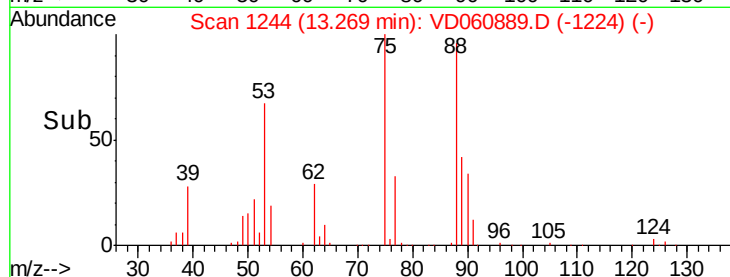
89 42.2 31.0 46.4



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

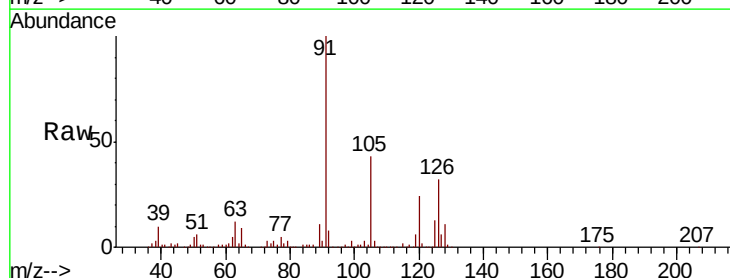
Acq: 21 Feb 2019 18:52

Tgt Ion: 91 Resp: 3902598

Ion Ratio Lower Upper

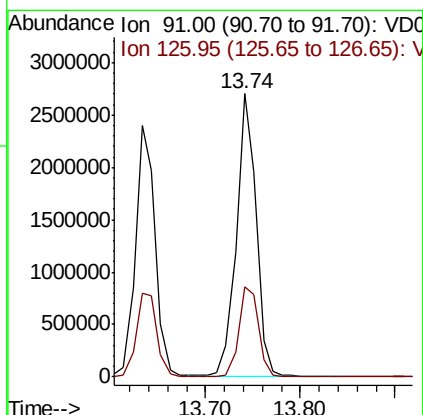
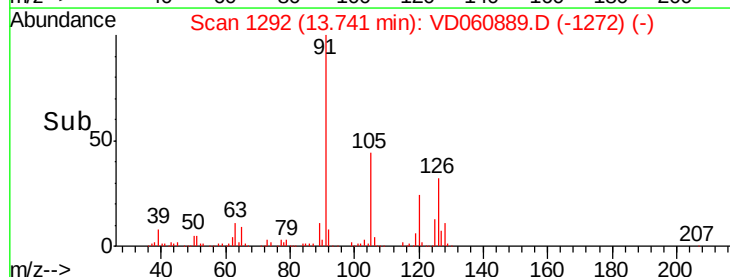
91 100

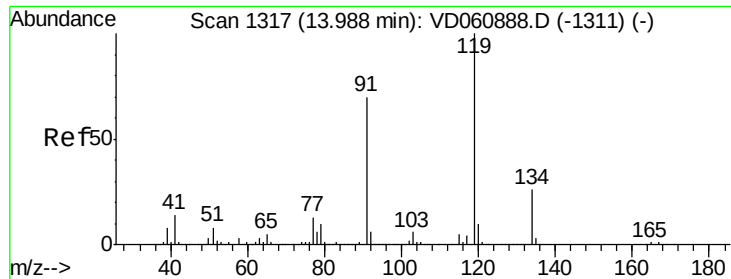
126 32.0 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

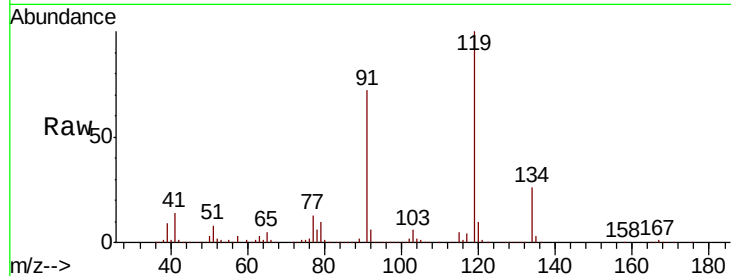




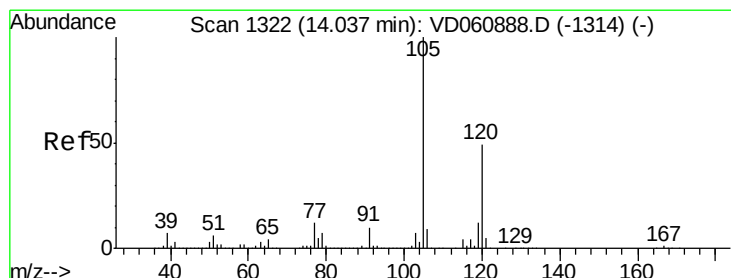
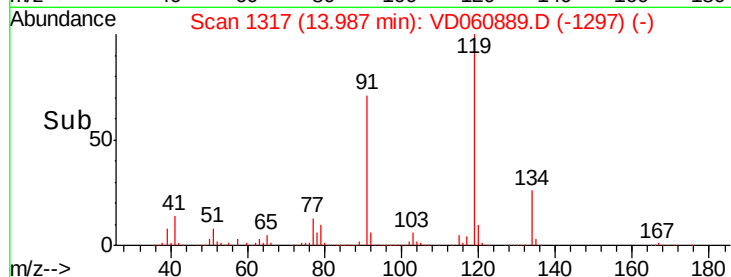
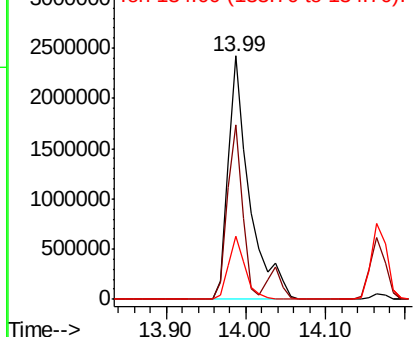
#83
 tert-Butylbenzene
 Concen: 55.584 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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

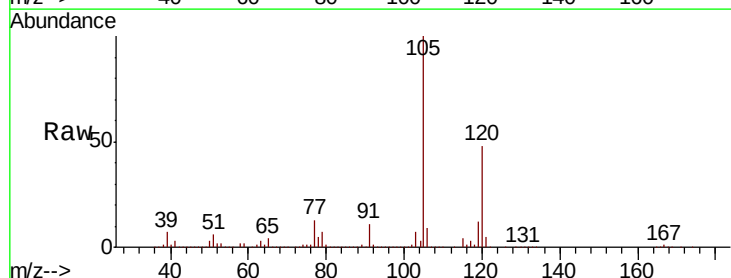


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

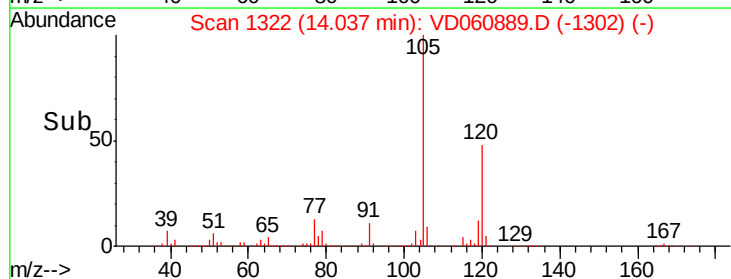
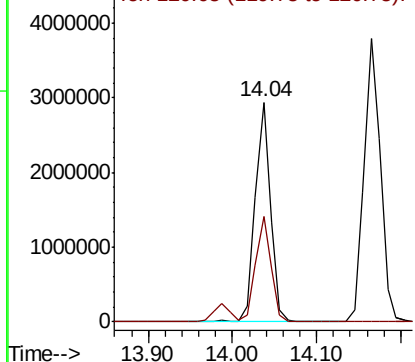


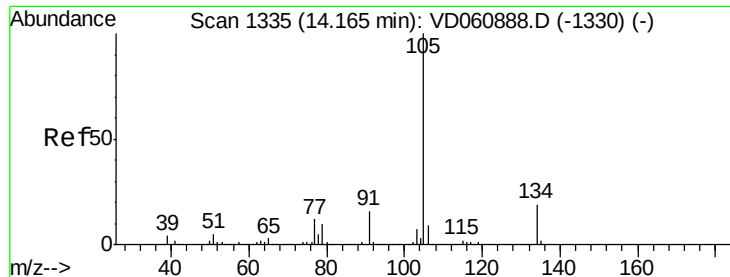
#84
 1,2,4-Trimethylbenzene
 Concen: 51.503 ug/l
 RT: 14.04 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

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 :

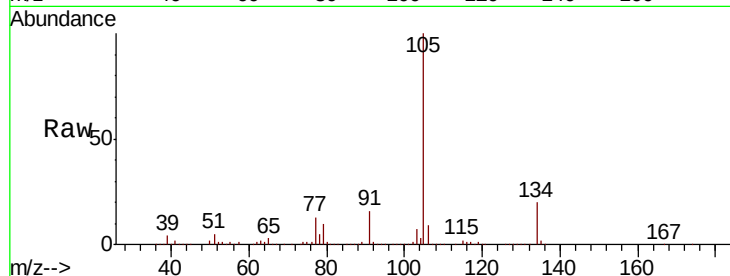
VSTDIC075

Tgt Ion:105 Resp: 5117681

Ion Ratio Lower Upper

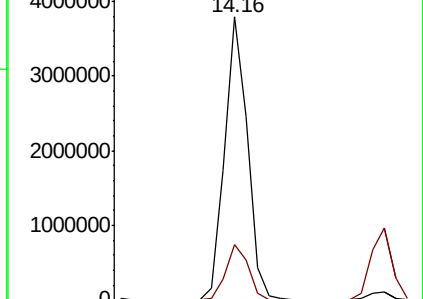
105 100

134 19.8 9.4 28.3

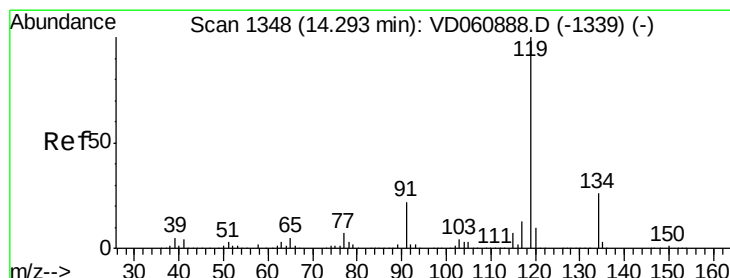
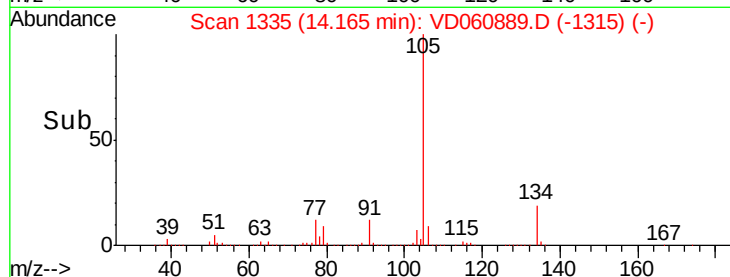


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



Time-->



#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

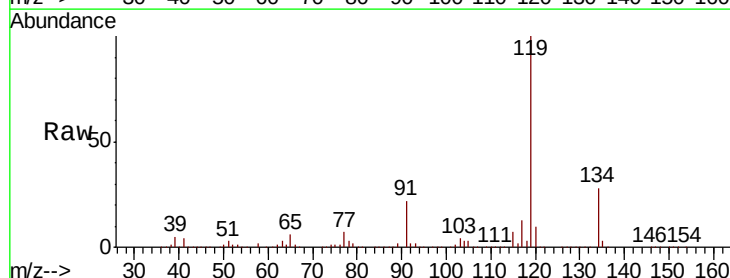
Tgt Ion:119 Resp: 4532926

Ion Ratio Lower Upper

119 100

134 28.0 13.3 39.8

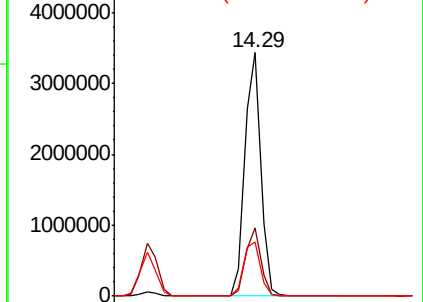
91 22.5 11.3 33.9



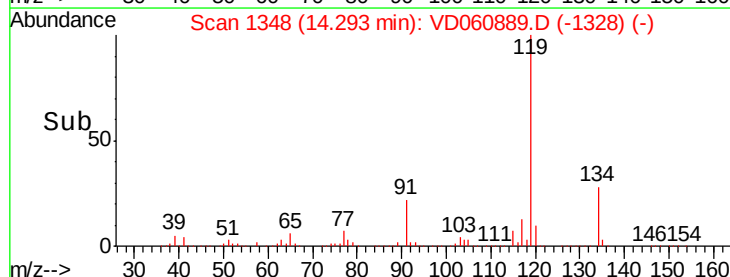
Abundance Ion 119.05 (118.75 to 119.75): V

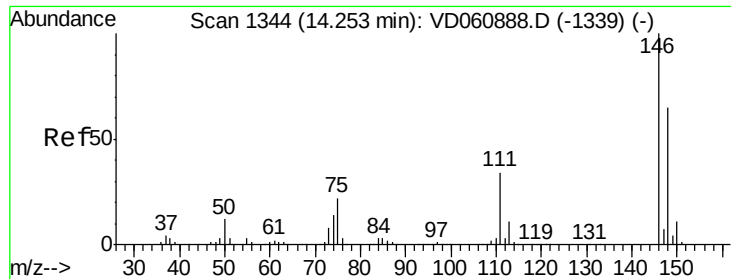
Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



Time-->

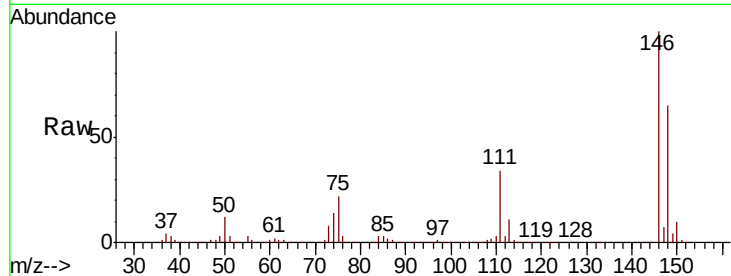




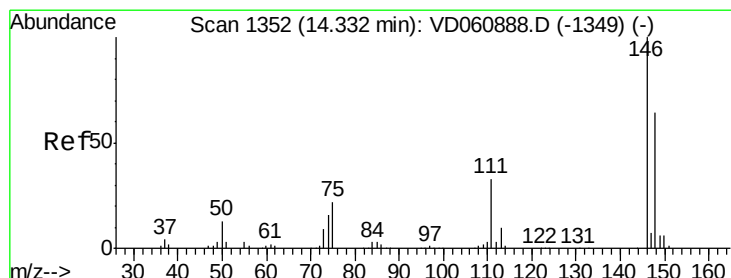
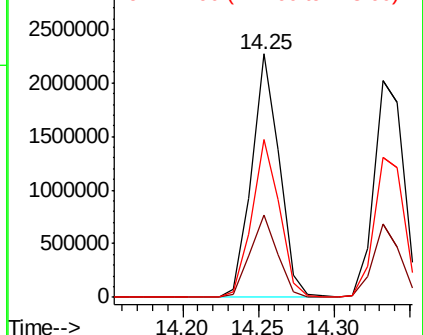
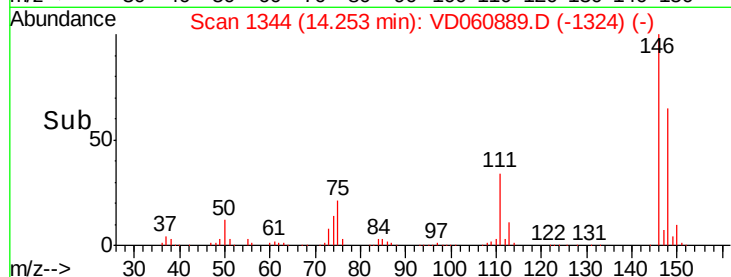
#87
 1,3-Dichlorobenzene
 Concen: 68.864 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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

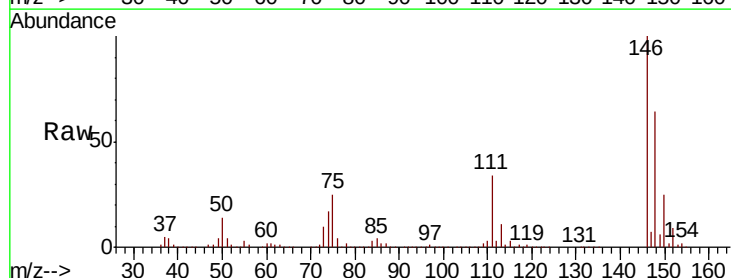


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

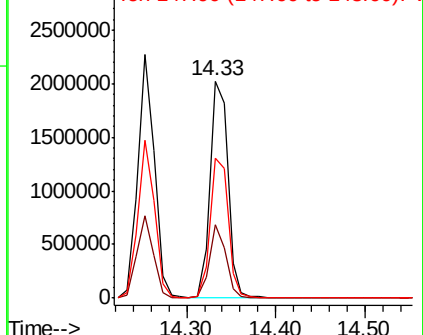
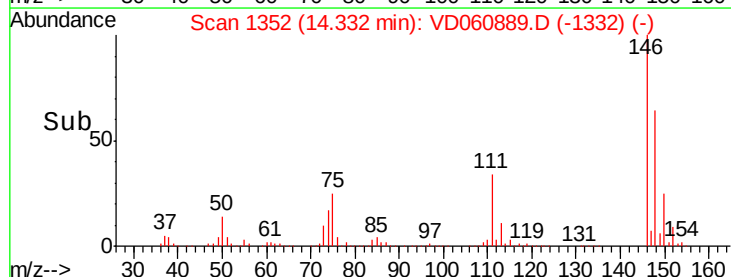


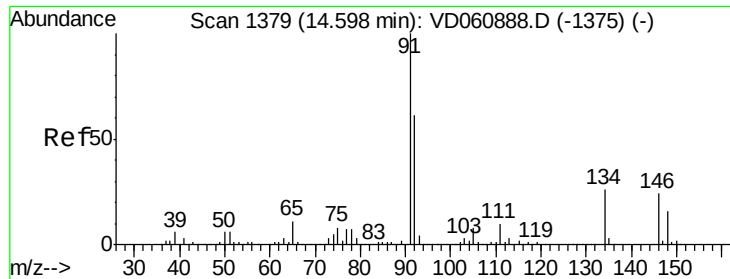
#88
 1,4-Dichlorobenzene
 Concen: 66.216 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

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

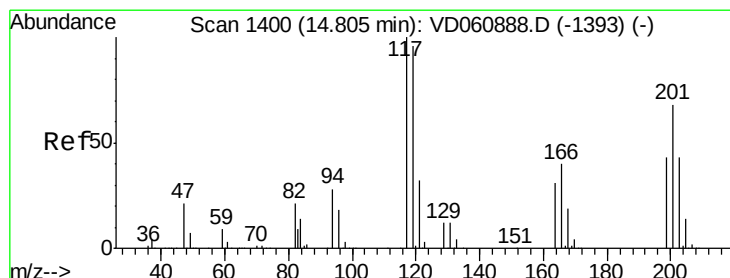
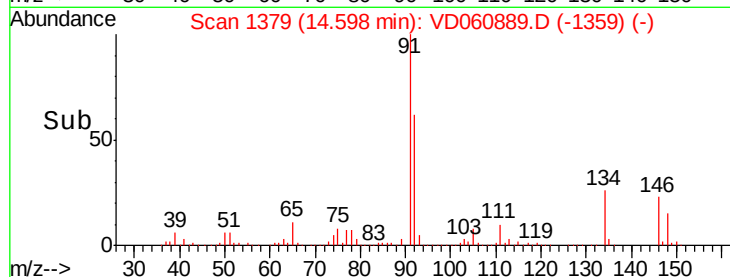
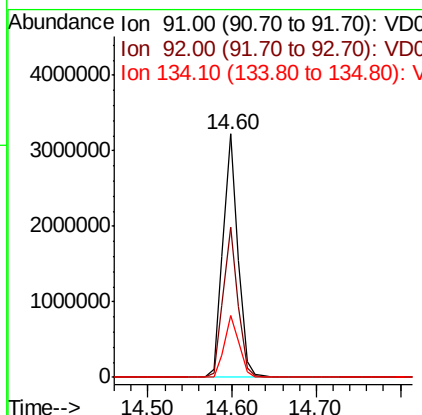
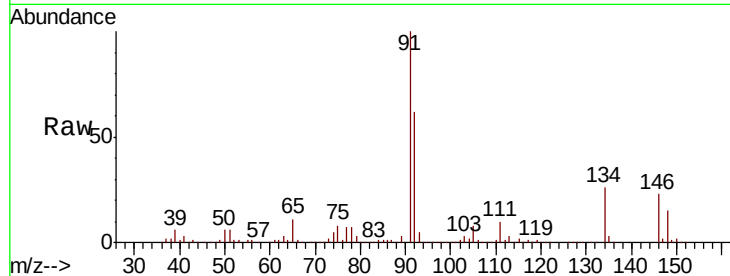




#89
n-Butylbenzene
Concen: 52.432 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

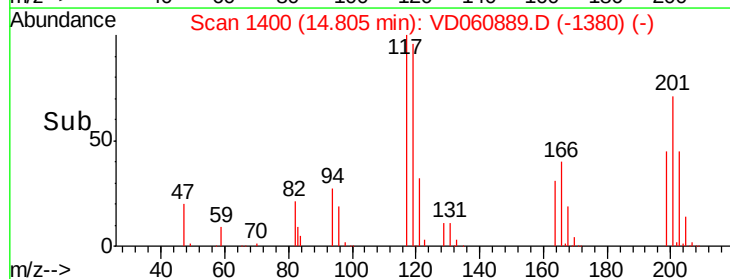
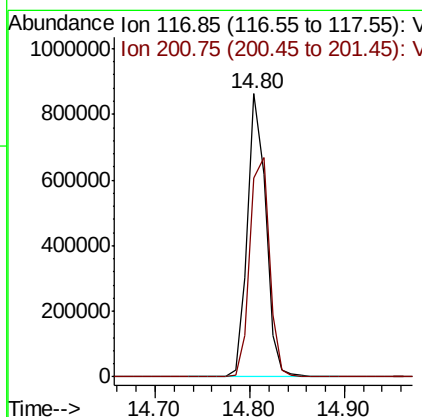
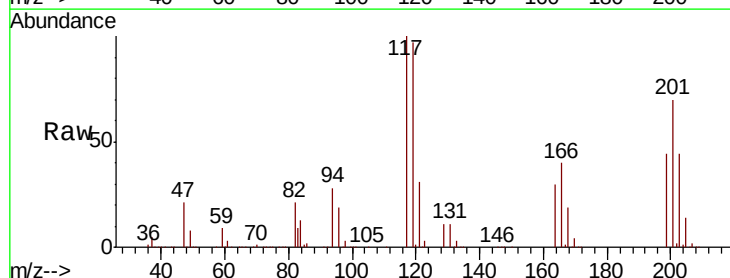
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

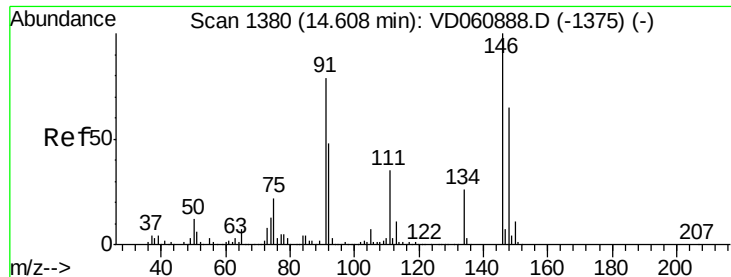
Tgt Ion: 91 Resp: 4012487
Ion Ratio Lower Upper
91 100
92 61.6 30.3 90.8
134 25.7 12.8 38.3



#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

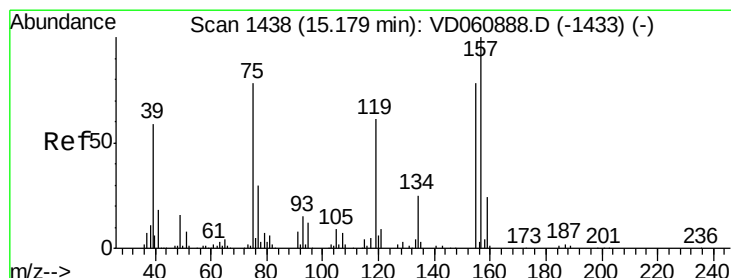
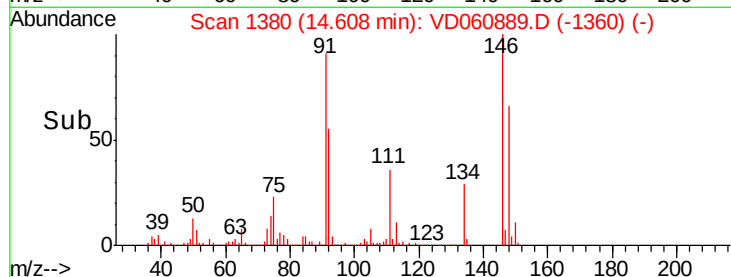
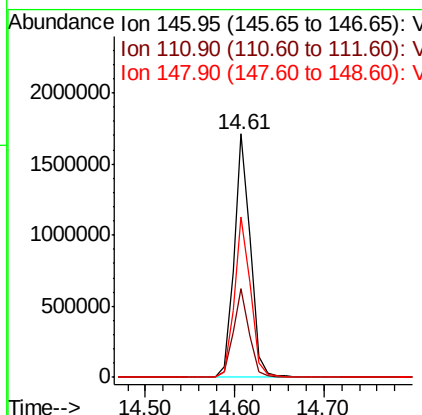
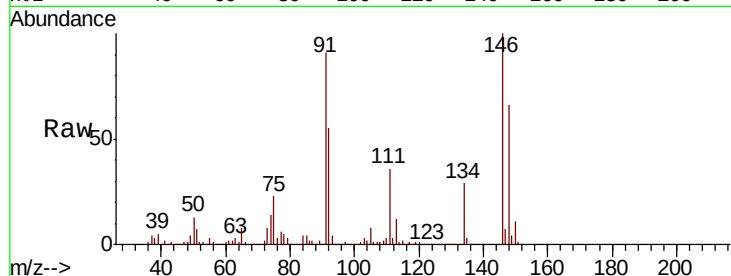




#91
 1,2-Dichlorobenzene
 Concen: 61.311 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

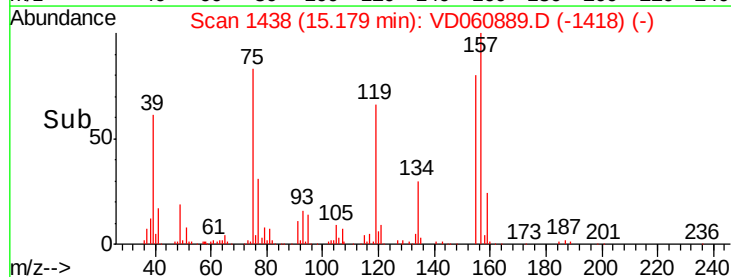
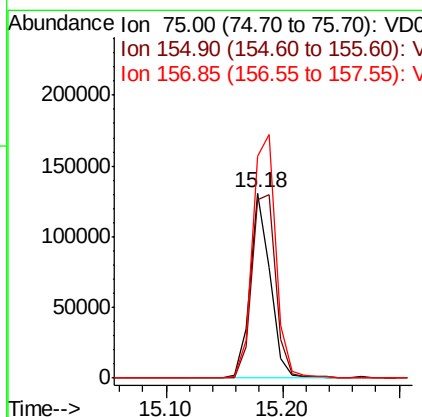
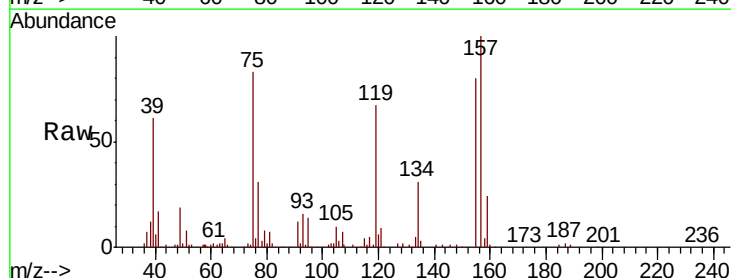
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

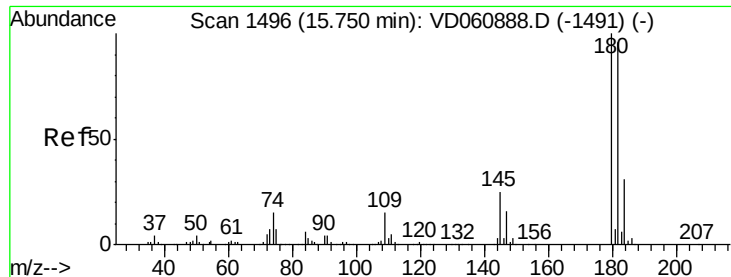
Tgt Ion:146 Resp: 2200542
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.4 52.2
 148 65.7 32.6 97.7



#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

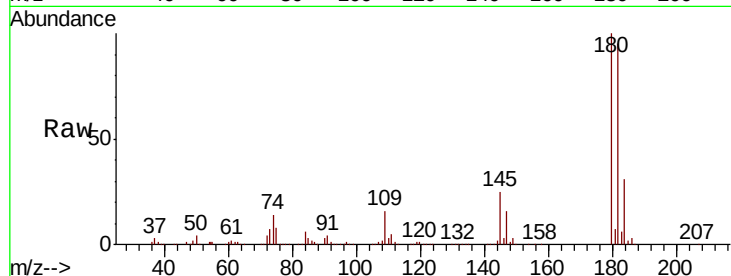




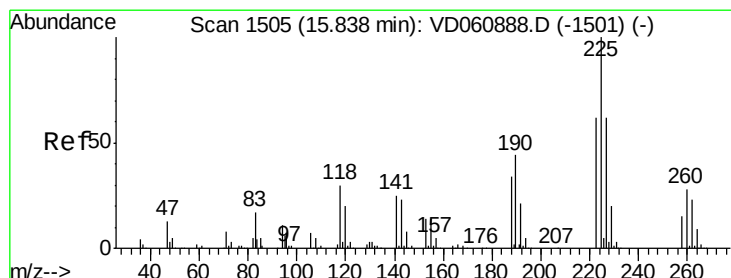
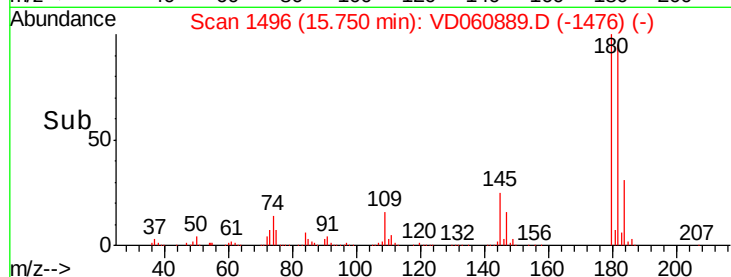
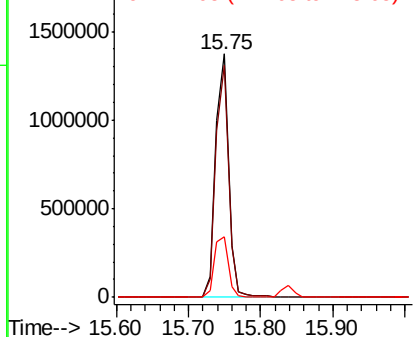
#93
 1,2,4-Trichlorobenzene
 Concen: 57.263 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

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

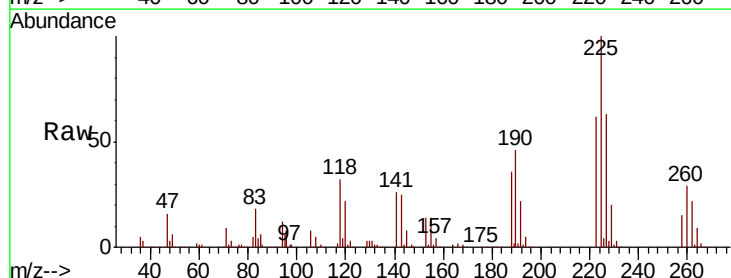


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

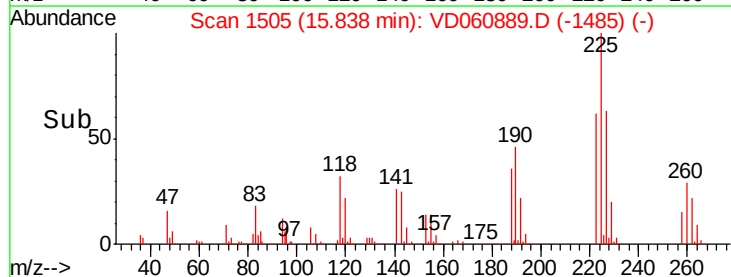
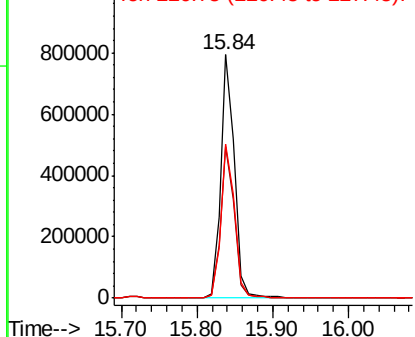


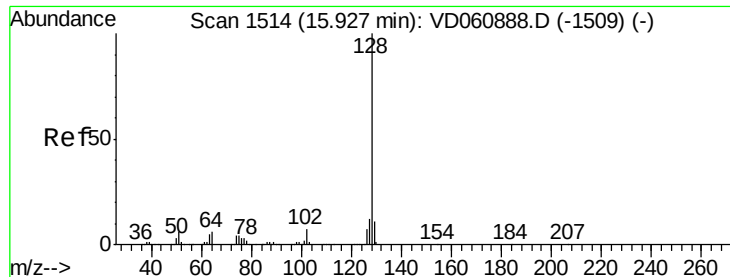
#94
 Hexachlorobutadiene
 Concen: 39.409 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060889.D
 Acq: 21 Feb 2019 18:52

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

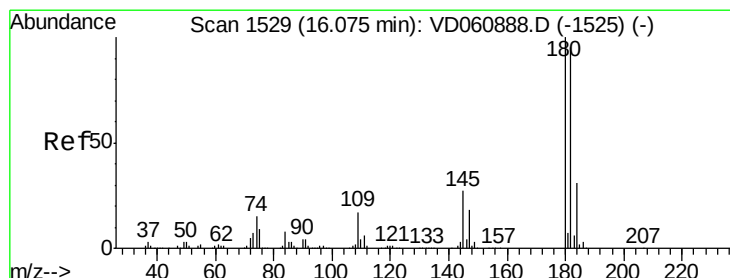
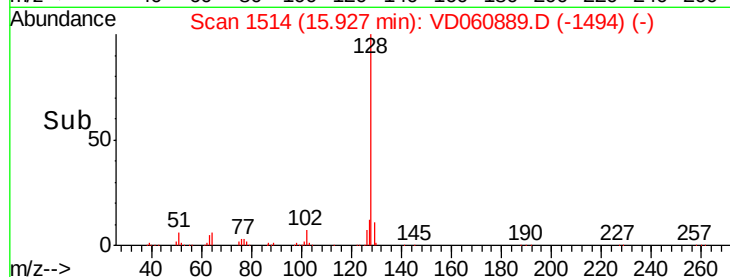
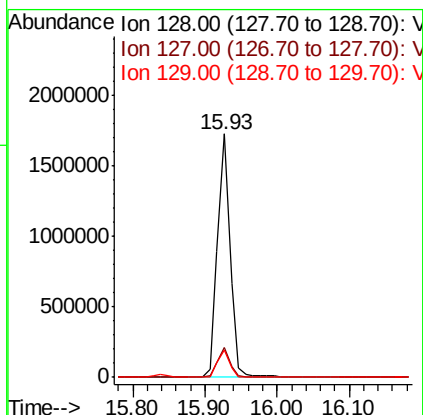
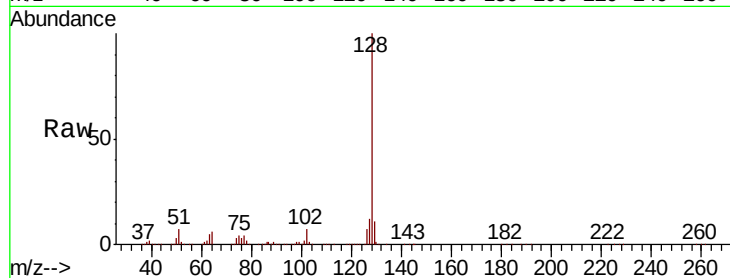




#95
Naphthalene
Concen: 52.603 ug/l
RT: 15.93 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD060889.D
Acq: 21 Feb 2019 18:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt 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

