

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060655.D
 Acq On : 20 Dec 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 20 14:44:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1487848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2051906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1668513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	852292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	209048	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	
35) Dibromofluoromethane	6.32	113	302758	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	
50) Toluene-d8	9.45	98	940022	21.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.12%	
62) 4-Bromofluorobenzene	12.42	95	329502	21.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	374111	17.434	ug/l	97
3) Chloromethane	1.77	50	373906	21.209	ug/l	96
4) Vinyl Chloride	1.87	62	298155	20.598	ug/l	99
5) Bromomethane	2.16	94	47147	12.526	ug/l	92
6) Chloroethane	2.27	64	78213	16.276	ug/l	100
7) Trichlorofluoromethane	2.52	101	321496	19.251	ug/l	98
8) Diethyl Ether	2.84	74	54771	20.170	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.10	101	217437	20.995	ug/l	100
10) Methyl Iodide	3.25	142	222629	18.770	ug/l	96
11) Tert butyl alcohol	3.97	59	39128	85.305	ug/l	97
12) 1,1-Dichloroethene	3.09	96	177720	21.246	ug/l	95
13) Acrolein	3.00	56	49190	122.603	ug/l	97
14) Allyl chloride	3.55	41	319908	20.113	ug/l	96
15) Acrylonitrile	4.09	53	253114	97.387	ug/l	90
16) Acetone	3.16	43	194843	102.727	ug/l	96
17) Carbon Disulfide	3.32	76	555541	19.847	ug/l	98
18) Methyl Acetate	3.57	43	85566	18.044	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	433612	19.308	ug/l	97
20) Methylene Chloride	3.73	84	398901	23.498	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	360925	20.426	ug/l	98
22) Diisopropyl ether	4.86	45	1095213	20.298	ug/l	99
23) Vinyl Acetate	4.81	43	2608828	98.441	ug/l	98
24) 1,1-Dichloroethane	4.76	63	584112	20.662	ug/l	98
25) 2-Butanone	5.62	43	348622	92.890	ug/l	99
26) 2,2-Dichloropropane	5.59	77	460975	20.465	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	362540	20.019	ug/l	96
28) Bromochloromethane	5.93	49	222906	18.937	ug/l	97
29) Tetrahydrofuran	5.95	42	194082	94.215	ug/l	99
30) Chloroform	6.11	83	583512	20.428	ug/l	98
31) Cyclohexane	6.36	56	524717	19.247	ug/l	96
32) 1,1,1-Trichloroethane	6.29	97	484404	20.419	ug/l	97
36) 1,1-Dichloropropene	6.52	75	445288	20.327	ug/l	98
37) Ethyl Acetate	5.70	43	185782	20.546	ug/l	99
38) Carbon Tetrachloride	6.50	117	397657	20.122	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	508026	19.772	ug/l	99
40) Benzene	6.80	78	1174357	20.661	ug/l	98
41) Methacrylonitrile	5.95	41	211800	39.528	ug/l #	72
42) 1,2-Dichloroethane	6.89	62	287588	20.358	ug/l	99
43) Isopropyl Acetate	8.35	43	222983	18.159	ug/l #	99
44) Trichloroethene	7.74	130	345729	20.327	ug/l	97
45) 1,2-Dichloropropane	8.10	63	283564	20.541	ug/l	99
46) Dibromomethane	8.21	93	155523	19.425	ug/l	96
47) Bromodichloromethane	8.49	83	376860	19.468	ug/l	100
48) Methyl methacrylate	8.24	41	137164	18.350	ug/l	97
49) 1,4-Dioxane	8.22	88	24899	355.754	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	728788	96.769	ug/l	96
52) Toluene	9.55	92	736998	20.417	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	310280	18.878	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	418870	19.497	ug/l	95
55) 1,1,2-Trichloroethane	10.18	97	190646	19.916	ug/l	99
56) Ethyl methacrylate	10.03	69	174602	17.831	ug/l	99
57) 1,3-Dichloropropane	10.38	76	300211	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	521321	100.896	ug/l	96
59) 2-Hexanone	10.49	43	502750	93.951	ug/l	97
60) Dibromochloromethane	10.63	129	239672	18.465	ug/l	97
61) 1,2-Dibromoethane	10.75	107	191798	18.626	ug/l	97
64) Tetrachloroethene	10.25	164	317845	19.700	ug/l	99
65) Chlorobenzene	11.31	112	779144	19.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	251680	19.589	ug/l	99
67) Ethyl Benzene	11.43	91	1385527	20.571	ug/l	98
68) m/p-Xylenes	11.57	106	1029005	42.067	ug/l	99
69) o-Xylene	11.93	106	472054	19.907	ug/l	91
70) Styrene	11.95	104	747811	19.543	ug/l	96
71) Bromoform	12.11	173	155306	17.951	ug/l #	93
73) Isopropylbenzene	12.28	105	1356419	20.785	ug/l	98
74) N-amyl acetate	12.13	43	293979	19.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	199128	18.409	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	197253	18.785	ug/l	99
77) Bromobenzene	12.54	156	340058	19.555	ug/l	91
78) n-propylbenzene	12.64	91	1726150	20.760	ug/l	99
79) 2-Chlorotoluene	12.70	91	872172	19.346	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1021603	20.344	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	53050	17.394	ug/l	96
82) 4-Chlorotoluene	12.81	91	1002890	20.286	ug/l	92
83) tert-Butylbenzene	13.04	119	1178360	20.589	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1045093	20.034	ug/l	98
85) sec-Butylbenzene	13.22	105	1430285	20.075	ug/l	97
86) p-Isopropyltoluene	13.34	119	1182504	21.229	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	640910	20.273	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	613279	19.657	ug/l	97
89) n-Butylbenzene	13.65	91	1206716	21.206	ug/l	97
90) Hexachloroethane	13.86	117	280035	19.783	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	518713	20.663	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	22844	17.875	ug/l	89

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QLast Update : Thu Dec 20 14:42:21 2018
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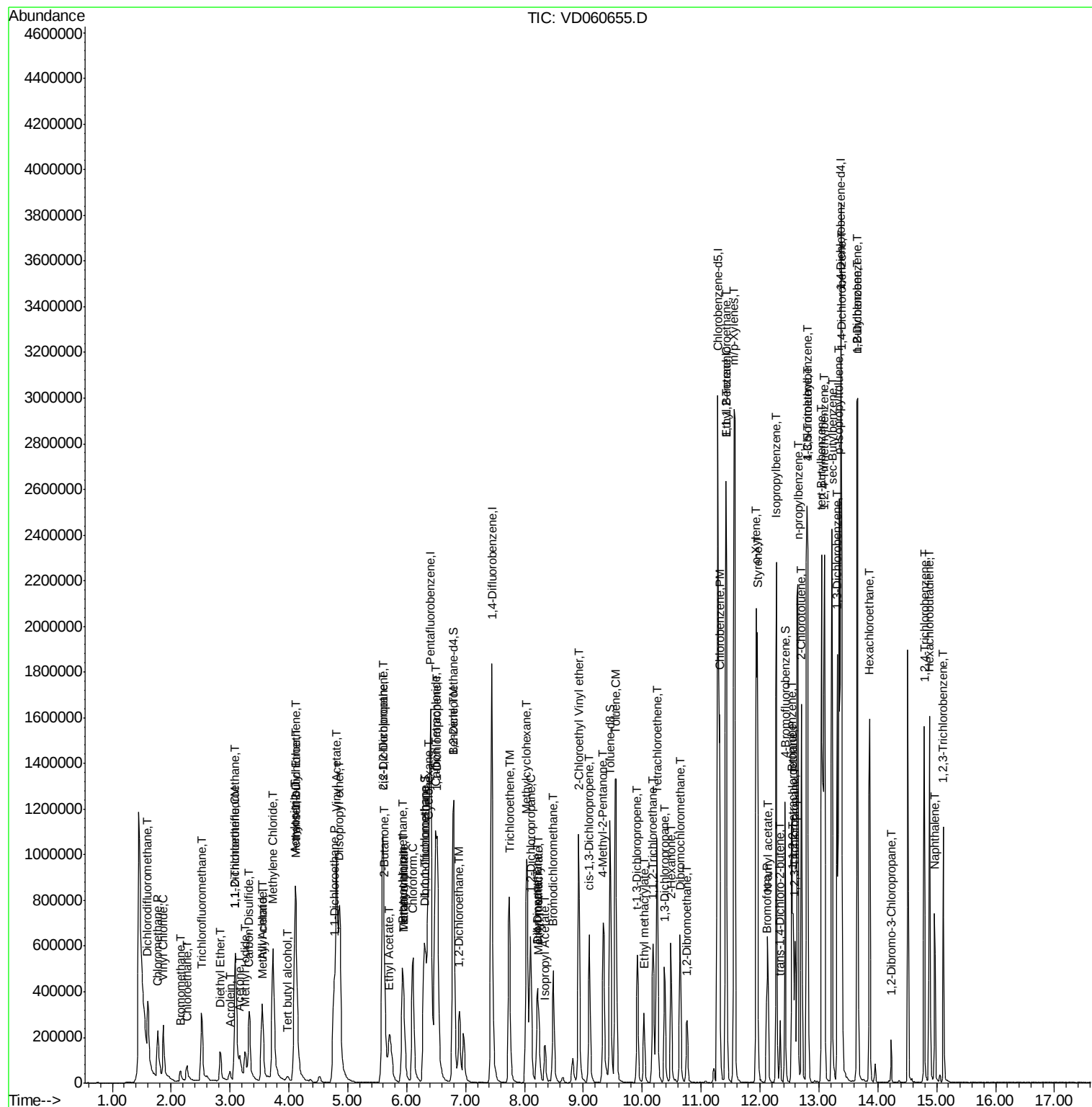
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401911	19.329	ug/l	97
94) Hexachlorobutadiene	14.89	225	303221	20.259	ug/l	99
95) Naphthalene	14.96	128	456001	18.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	299576	18.307	ug/l	98

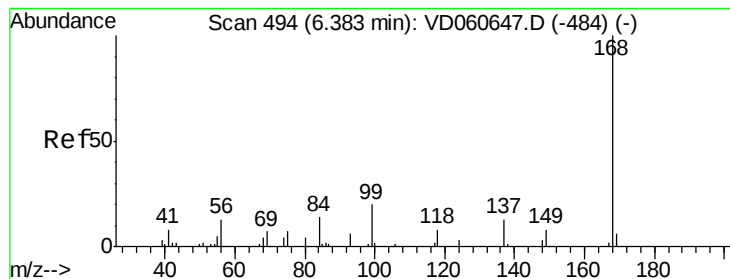
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 598

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

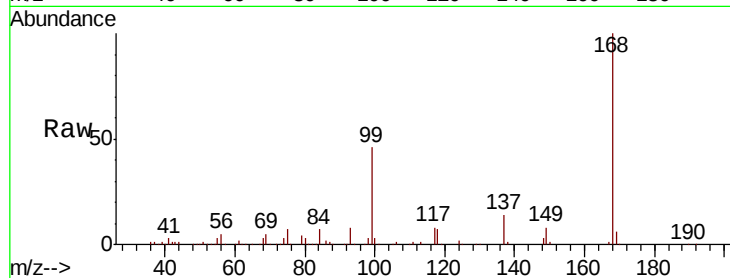
VSTDIC020

Tgt Ion:168 Resp: 1487848

Ion Ratio Lower Upper

168 100

99 46.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

500000

400000

300000

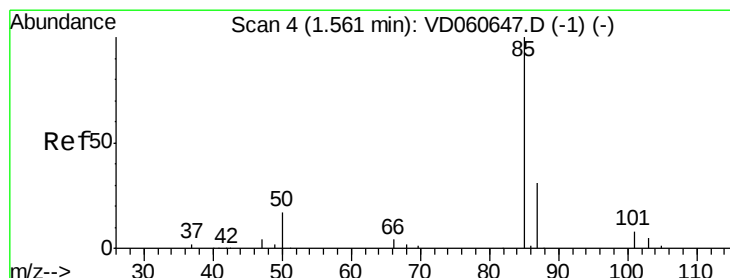
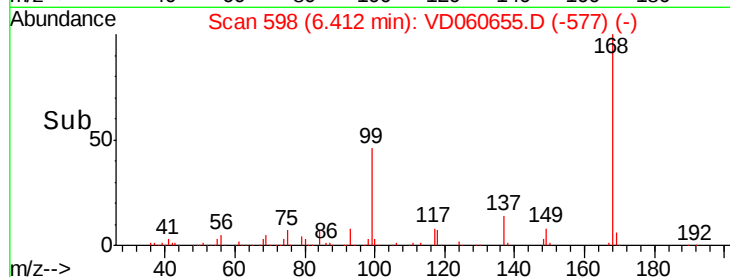
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.434 ug/l

RT: 1.60 min Scan# 109

Delta R.T. -0.01 min

Lab File: VD060655.D

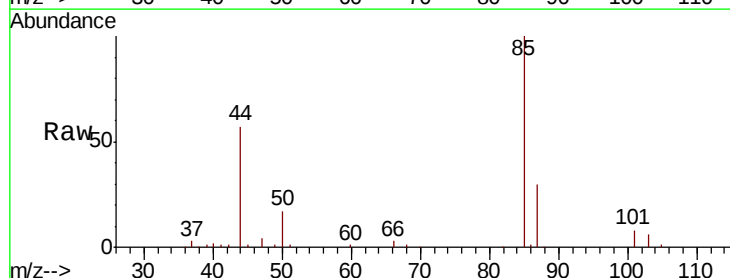
Acq: 20 Dec 2018 12:59

Tgt Ion: 85 Resp: 374111

Ion Ratio Lower Upper

85 100

87 30.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

150000

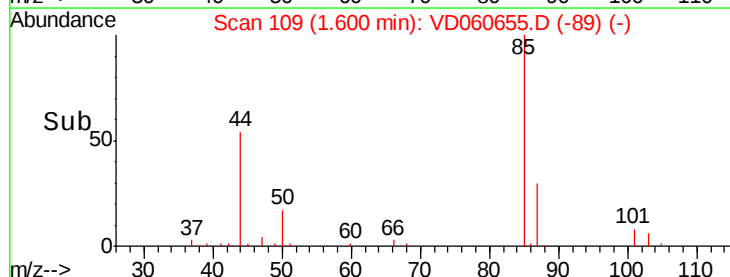
100000

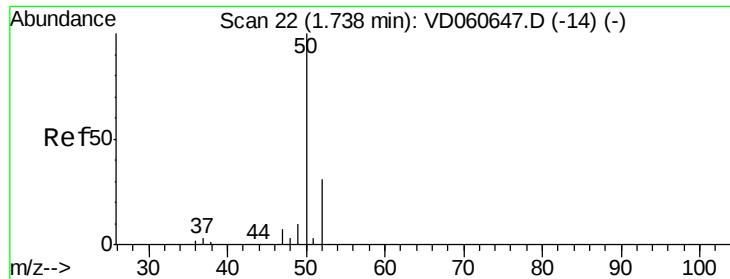
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.209 ug/l

RT: 1.77 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

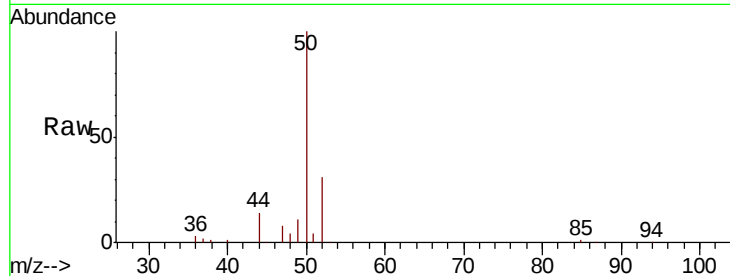
VSTDIC020

Tgt Ion: 50 Resp: 373906

Ion Ratio Lower Upper

50 100

52 31.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

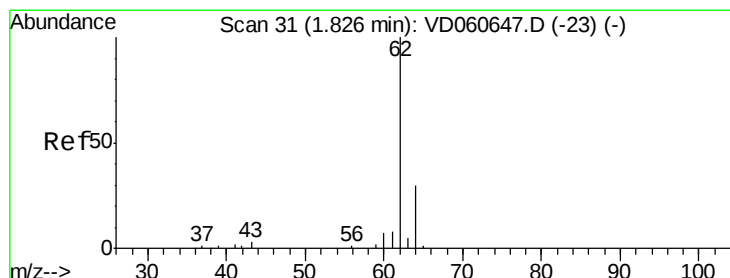
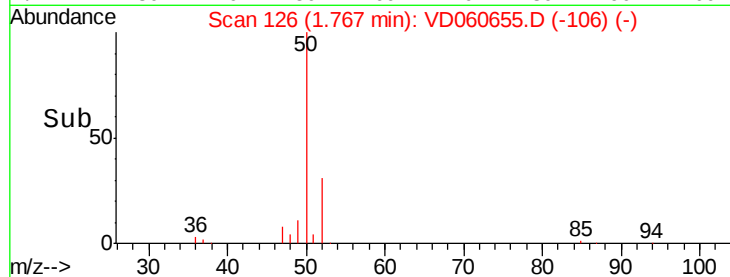
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.598 ug/l

RT: 1.87 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD060655.D

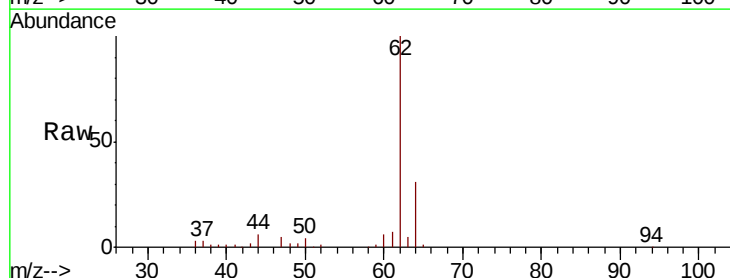
Acq: 20 Dec 2018 12:59

Tgt Ion: 62 Resp: 298155

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

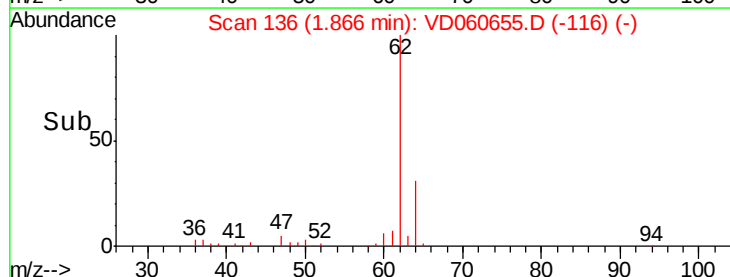
150000

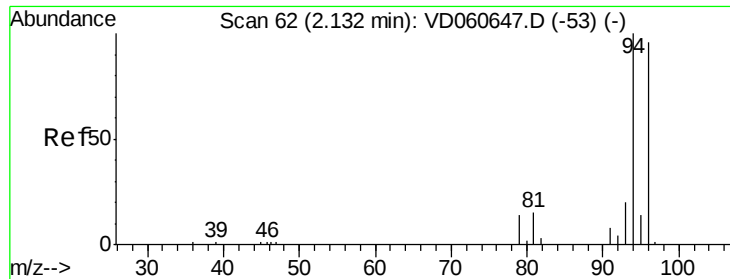
100000

50000

0

Time-->





#5

Bromomethane

Concen: 12.526 ug/l

RT: 2.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

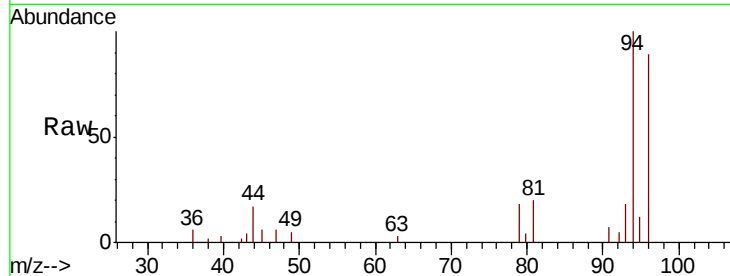
VSTDIC020

Tgt Ion: 94 Resp: 47147

Ion Ratio Lower Upper

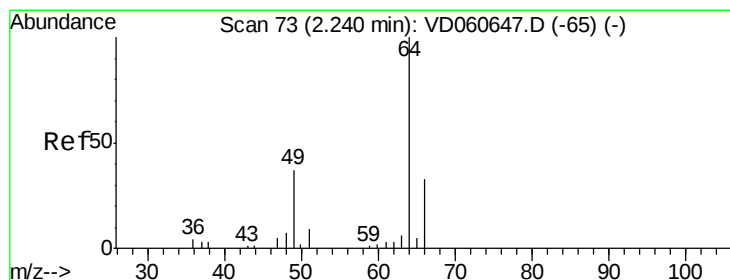
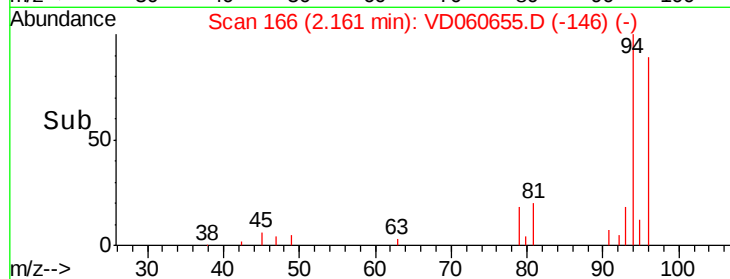
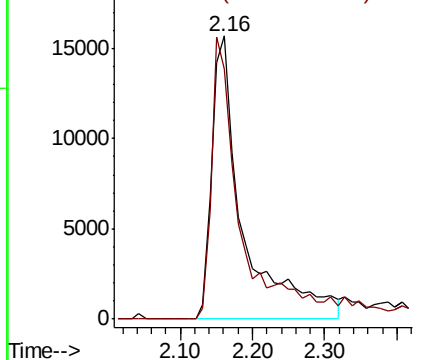
94 100

96 88.5 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.276 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.01 min

Lab File: VD060655.D

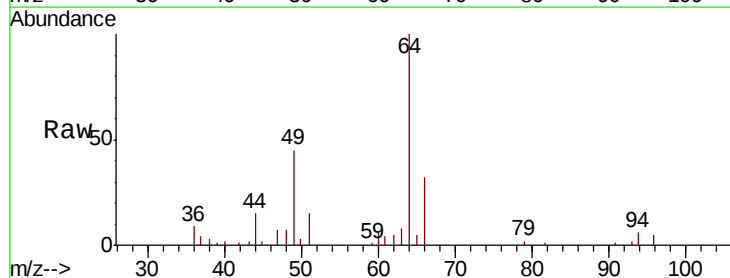
Acq: 20 Dec 2018 12:59

Tgt Ion: 64 Resp: 78213

Ion Ratio Lower Upper

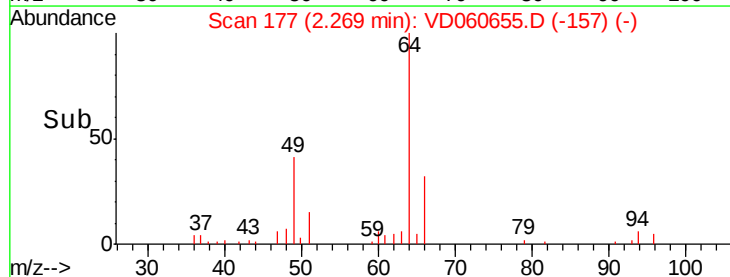
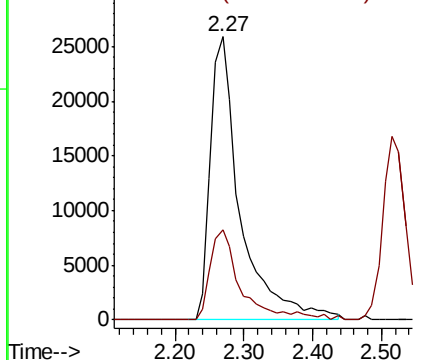
64 100

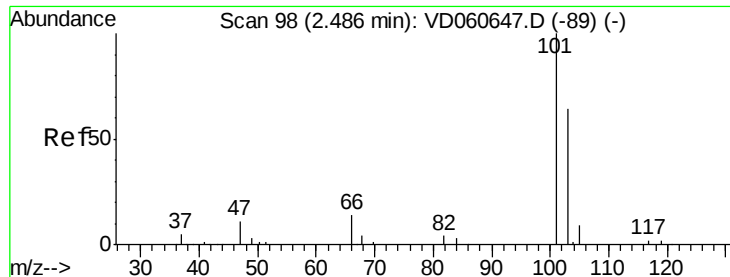
66 31.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



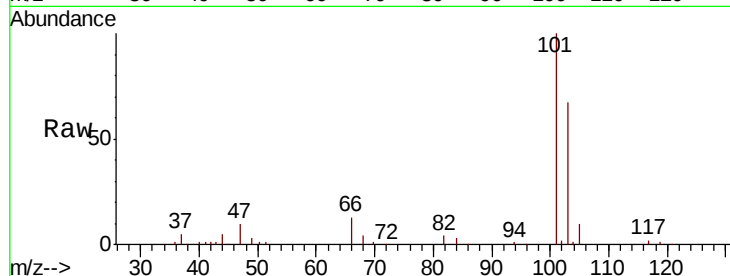


#7

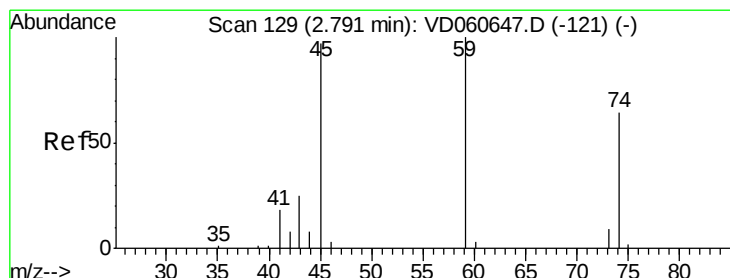
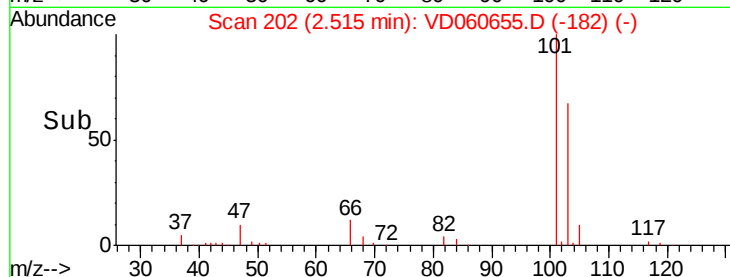
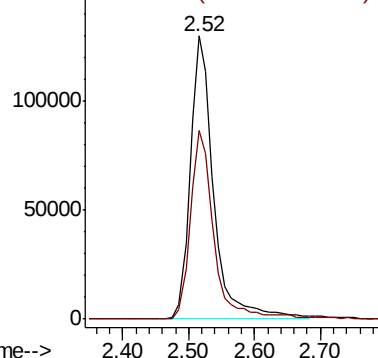
Trichlorofluoromethane
 Concen: 19.251 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

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Tgt Ion: 101 Resp: 321496
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.9 77.9



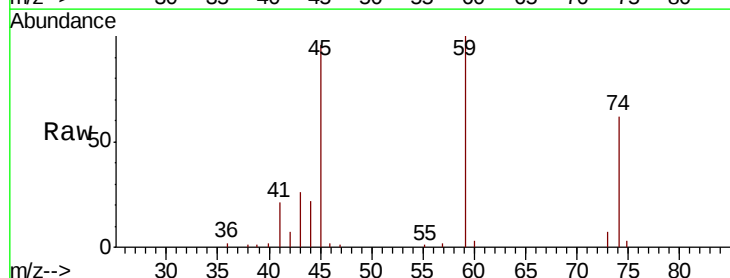
Abundance Ion 100.85 (100.55 to 101.55): V
 150000 Ion 102.85 (102.55 to 103.55): V



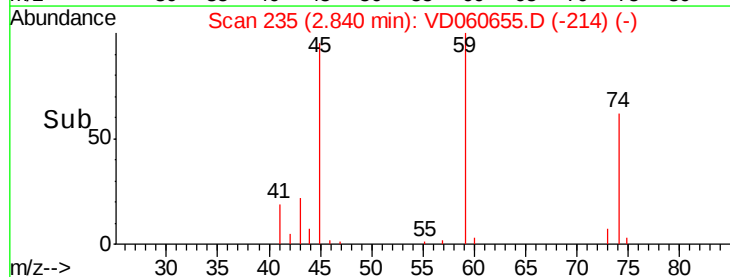
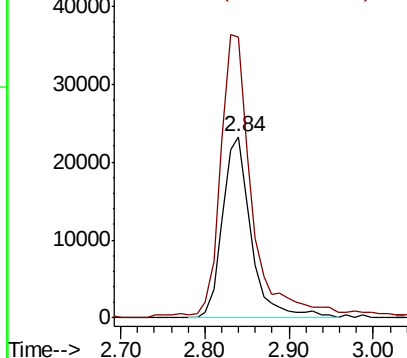
#8

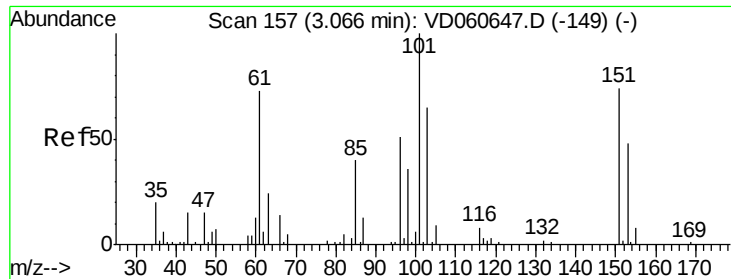
Diethyl Ether
 Concen: 20.170 ug/l
 RT: 2.84 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD060655.D
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Tgt Ion: 74 Resp: 54771
 Ion Ratio Lower Upper
 74 100
 45 154.8 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 40000 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.995 ug/l

RT: 3.10 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

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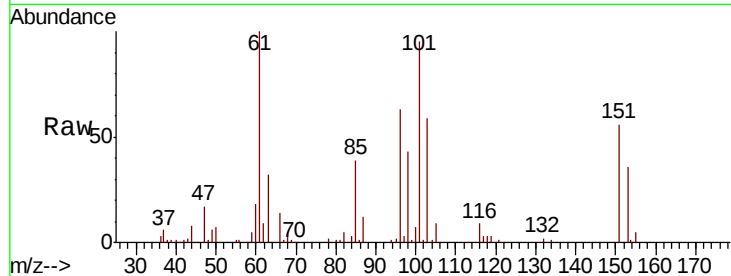
Tgt Ion:101 Resp: 217437

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

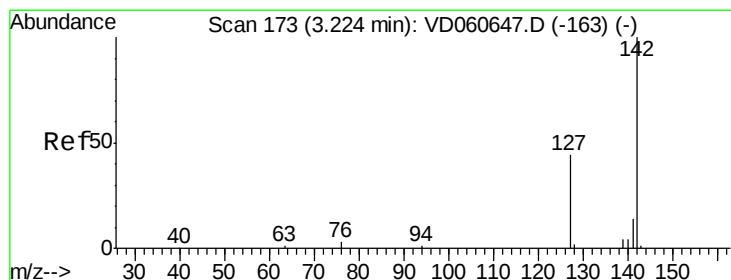
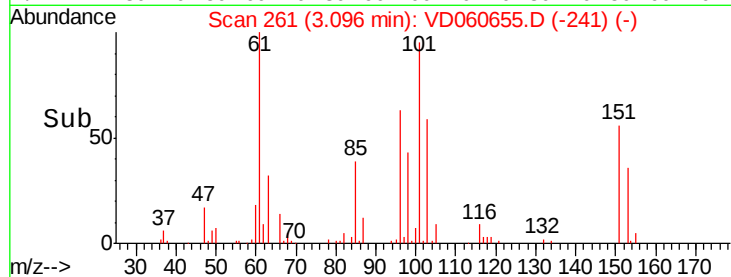
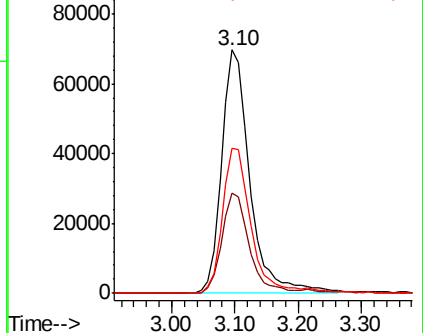
151 59.5 47.5 71.3



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: 18.770 ug/l

RT: 3.25 min Scan# 277

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

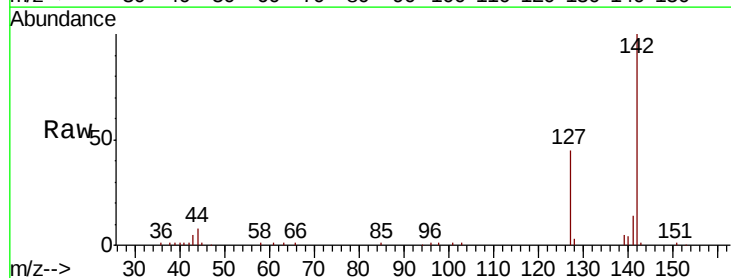
Tgt Ion:142 Resp: 222629

Ion Ratio Lower Upper

142 100

127 45.5 39.5 59.3

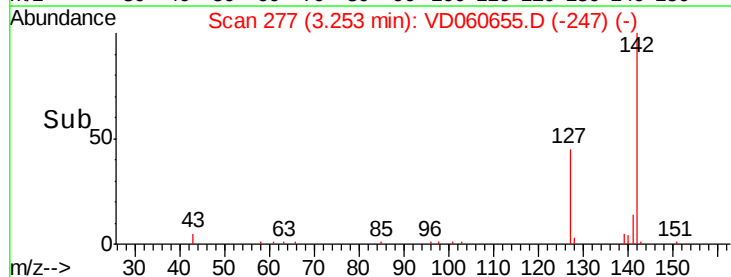
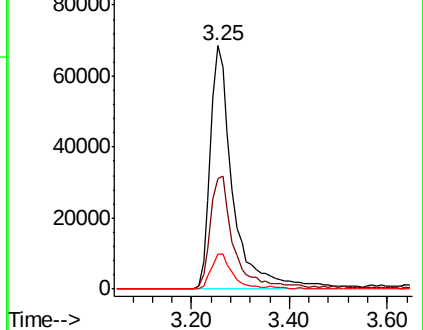
141 14.1 11.3 16.9

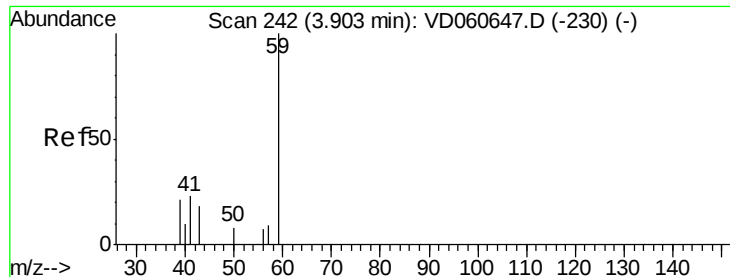


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

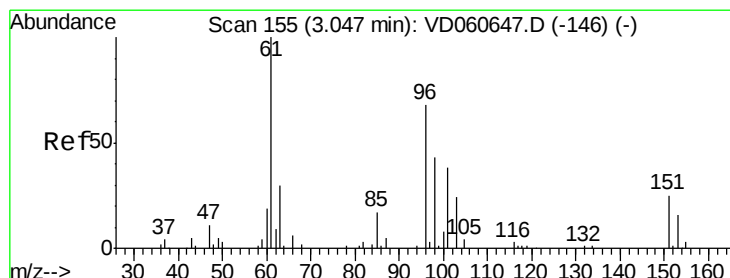
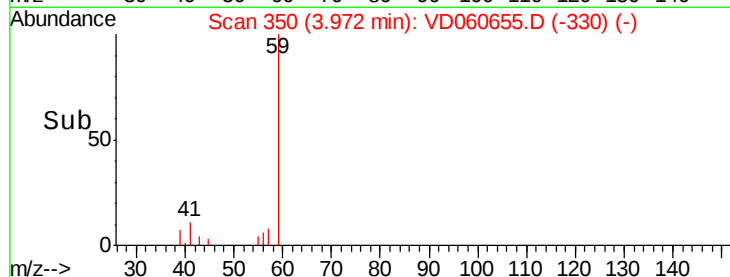
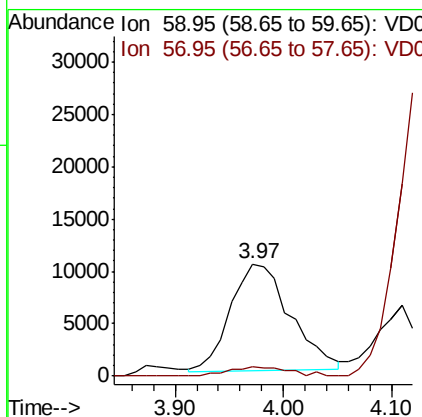
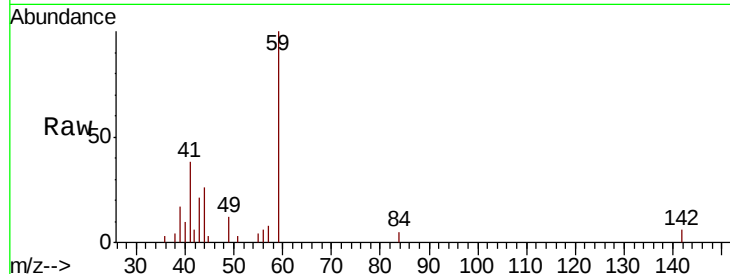




#11
Tert butyl alcohol
Concen: 85.305 ug/l
RT: 3.97 min Scan# 350
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

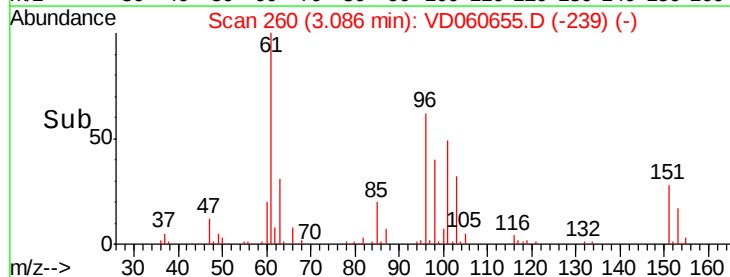
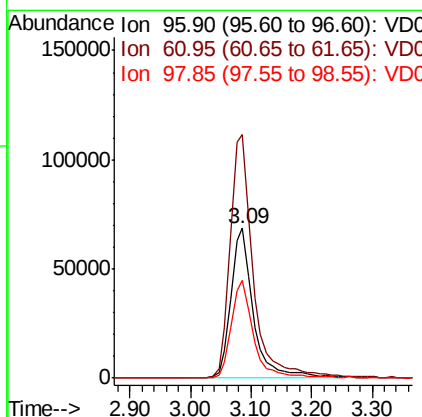
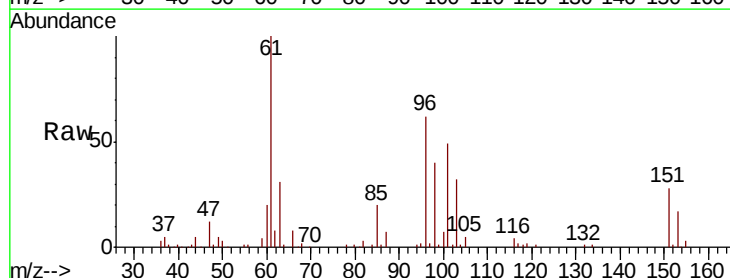
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

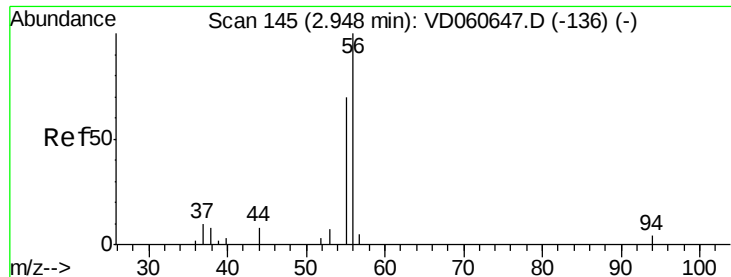
Tgt Ion: 59 Resp: 39128
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.6



#12
1,1-Dichloroethene
Concen: 21.246 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 96 Resp: 177720
Ion Ratio Lower Upper
96 100
61 162.4 136.2 204.4
98 64.8 50.7 76.1

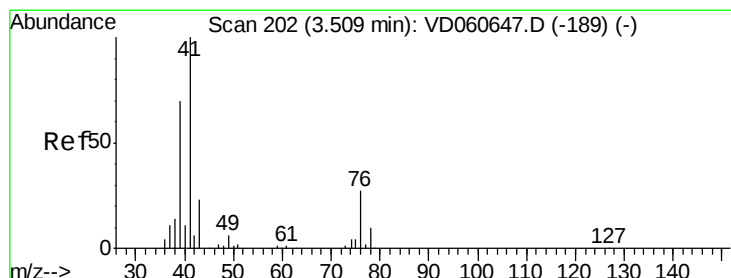
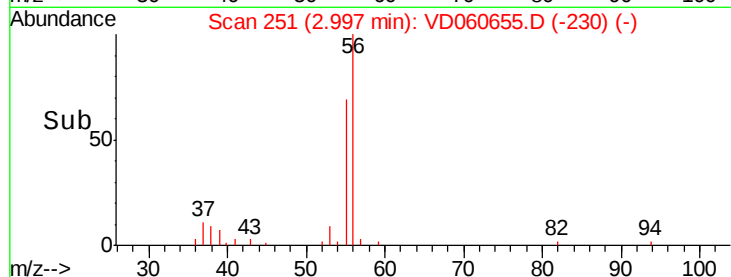
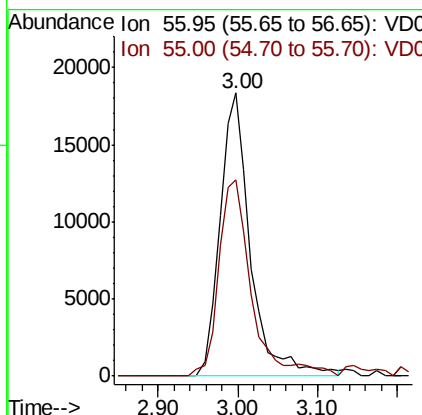
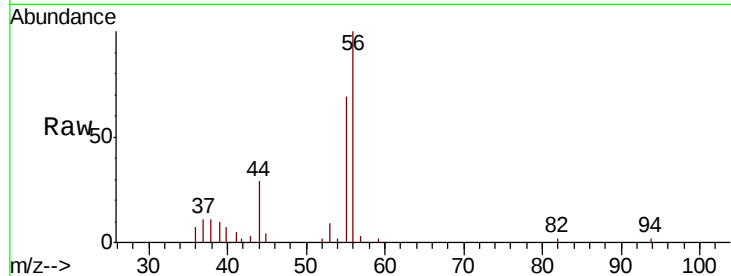




#13
Acrolein
Concen: 122.603 ug/l
RT: 3.00 min Scan# 251
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

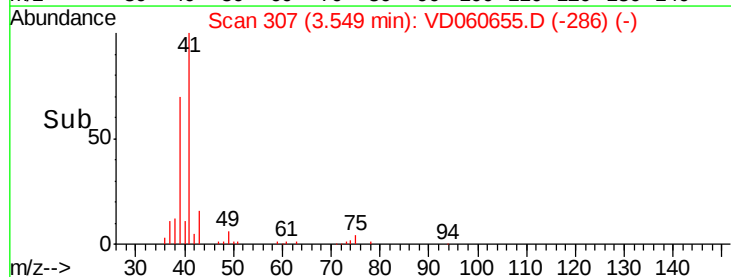
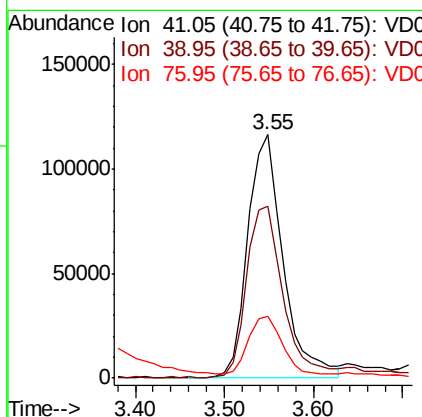
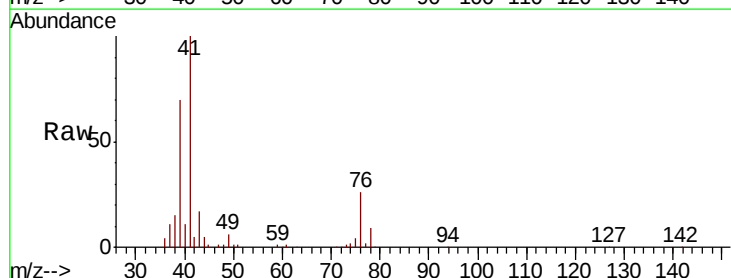
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

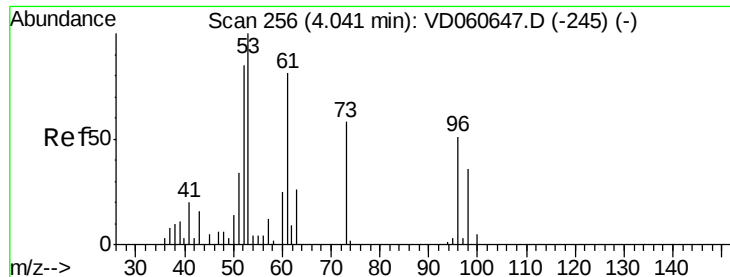
Tgt Ion: 56 Resp: 49190
Ion Ratio Lower Upper
56 100
55 69.3 57.7 86.5



#14
Allyl chloride
Concen: 20.113 ug/l
RT: 3.55 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 41 Resp: 319908
Ion Ratio Lower Upper
41 100
39 70.4 59.6 89.4
76 25.6 21.8 32.6





#15

Acrylonitrile

Concen: 97.387 ug/l

RT: 4.09 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

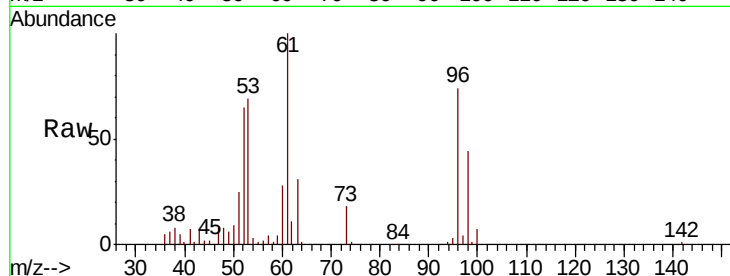
Tgt Ion: 53 Resp: 253114

Ion Ratio Lower Upper

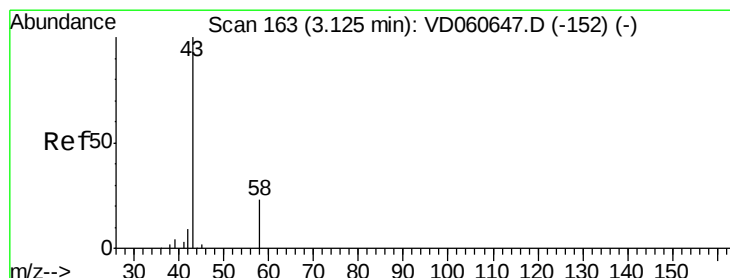
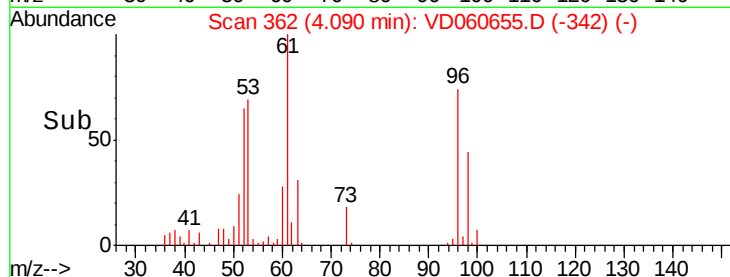
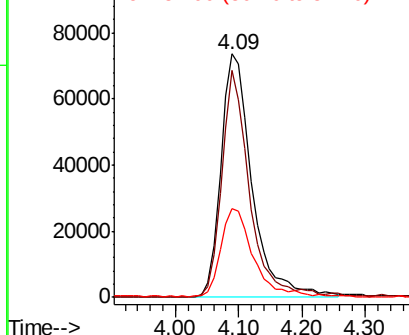
53 100

52 93.1 66.7 100.1

51 36.4 32.7 49.1



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: 102.727 ug/l

RT: 3.16 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD060655.D

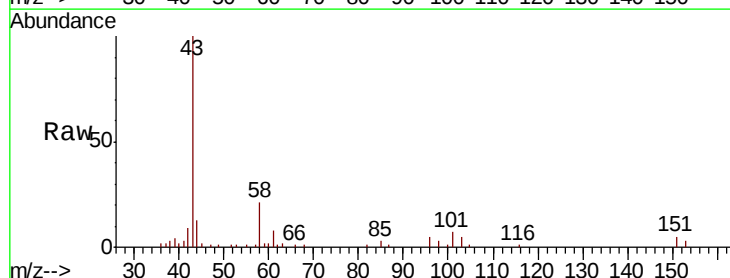
Acq: 20 Dec 2018 12:59

Tgt Ion: 43 Resp: 194843

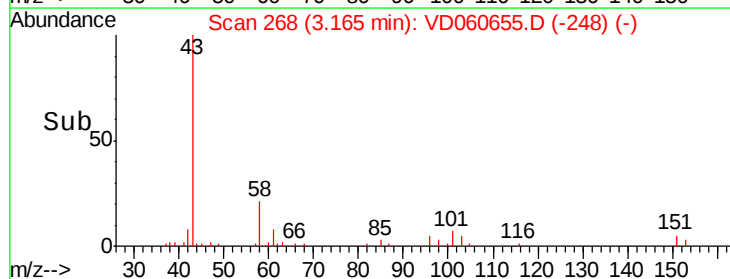
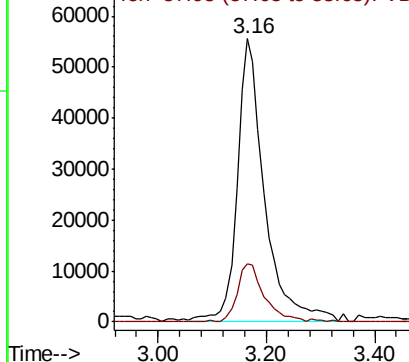
Ion Ratio Lower Upper

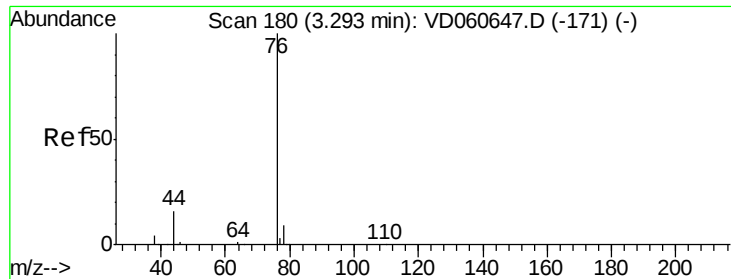
43 100

58 20.5 18.2 27.2



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

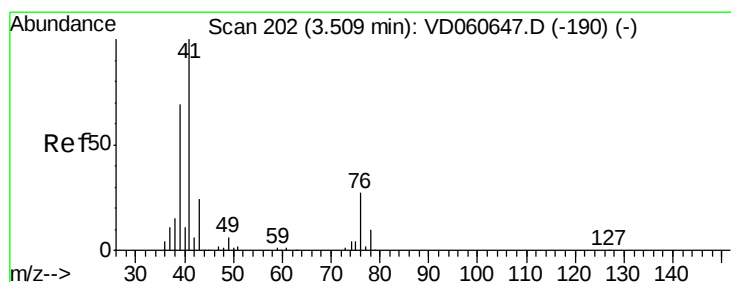
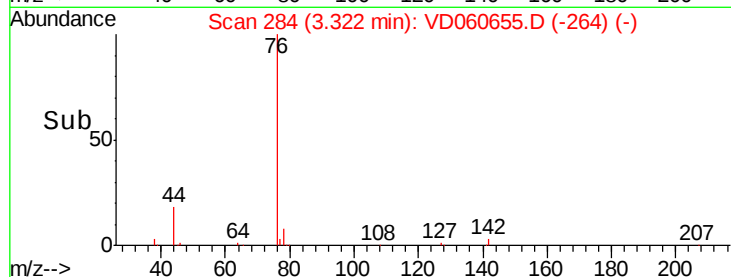
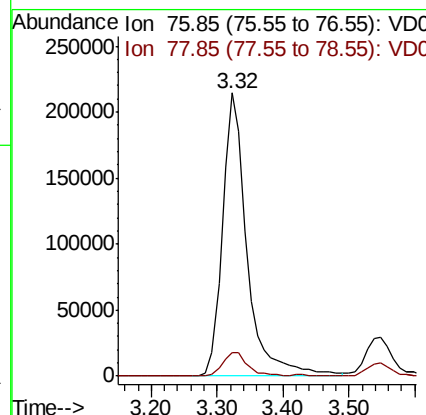
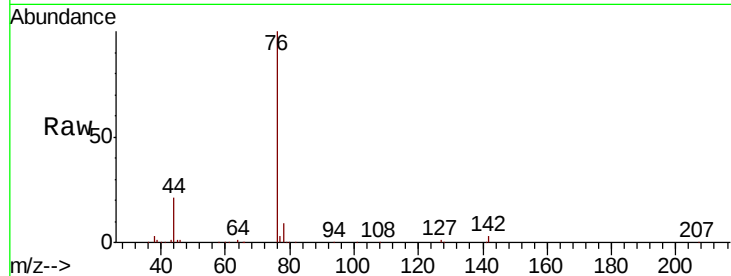




#17
Carbon Disulfide
Concen: 19.847 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

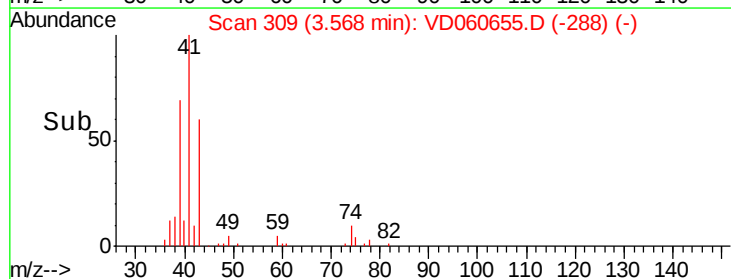
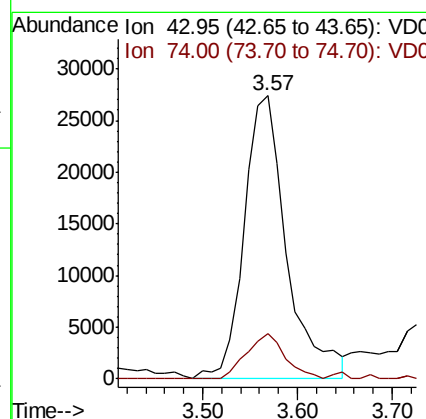
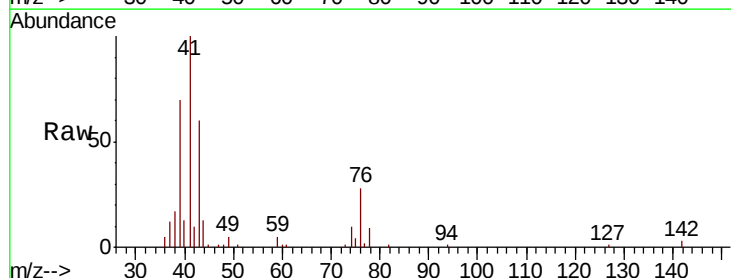
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

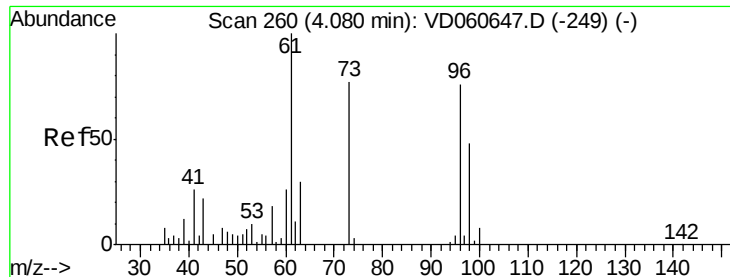
Tgt Ion: 76 Resp: 55541
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0



#18
Methyl Acetate
Concen: 18.044 ug/l
RT: 3.57 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 43 Resp: 85566
Ion Ratio Lower Upper
43 100
74 16.1 12.4 18.6



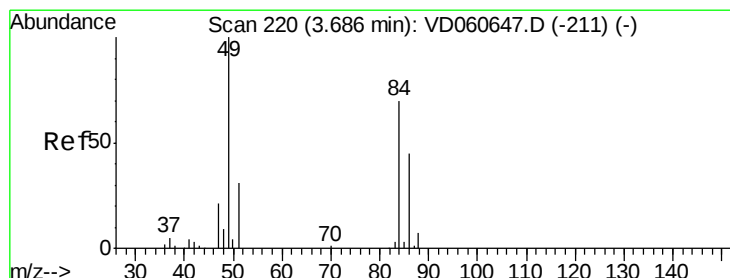
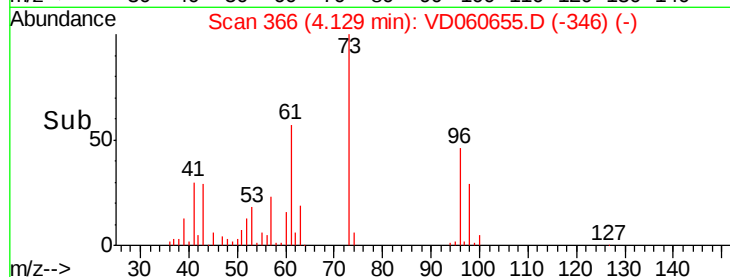
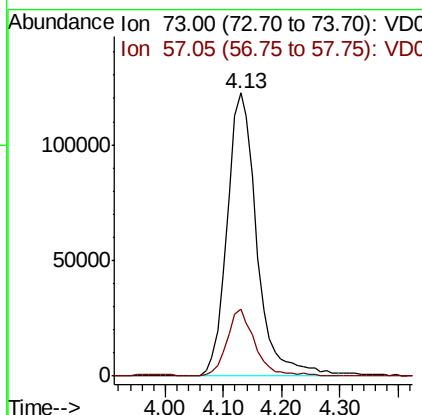
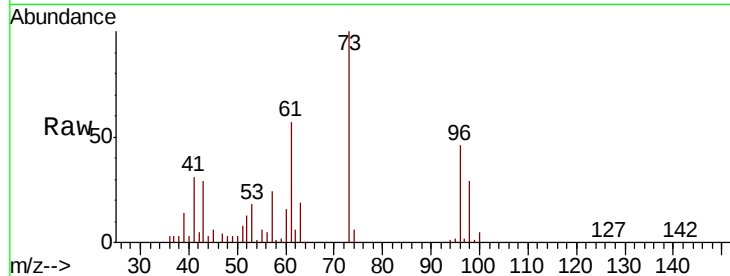


#19

Methyl tert-butyl Ether
 Concen: 19.308 ug/l
 RT: 4.13 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

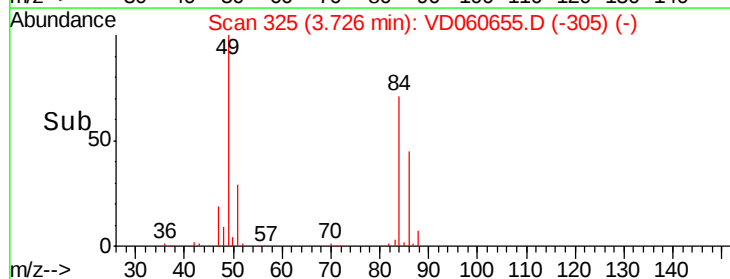
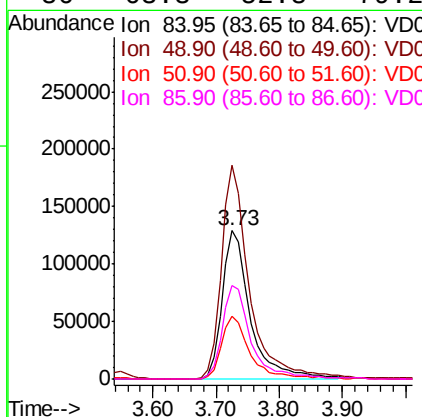
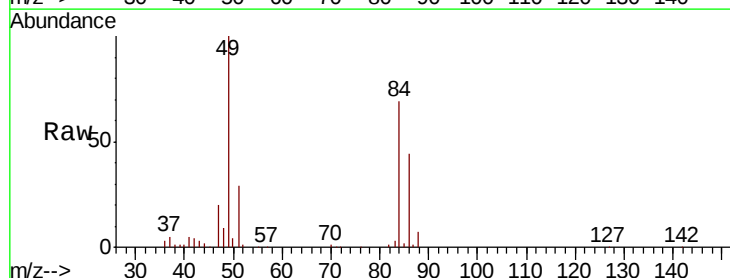
Tgt Ion: 73 Resp: 433612
 Ion Ratio Lower Upper
 73 100
 57 23.6 17.6 26.4

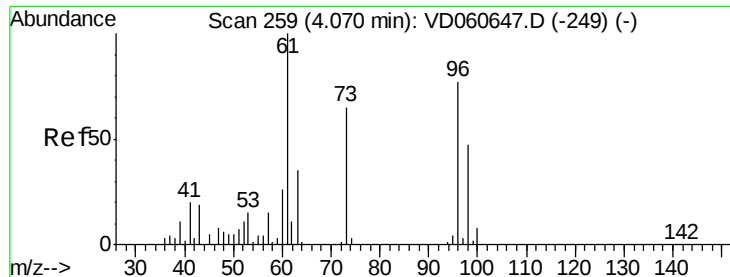


#20

Methylene Chloride
 Concen: 23.498 ug/l
 RT: 3.73 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 84 Resp: 398901
 Ion Ratio Lower Upper
 84 100
 49 144.4 113.6 170.4
 51 42.0 34.7 52.1
 86 63.3 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 20.426 ug/l

RT: 4.11 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

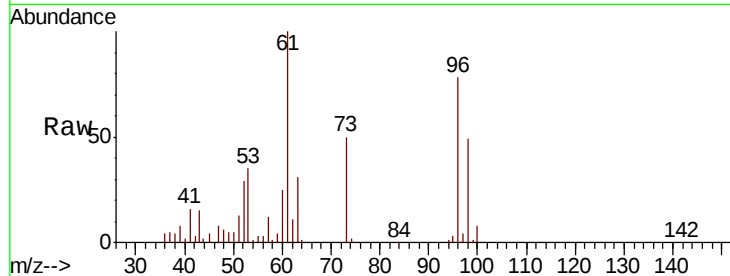
Tgt Ion: 96 Resp: 360925

Ion Ratio Lower Upper

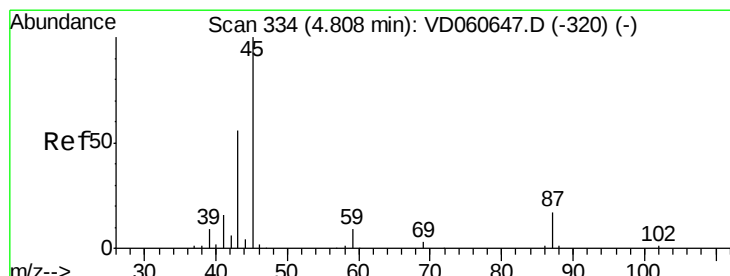
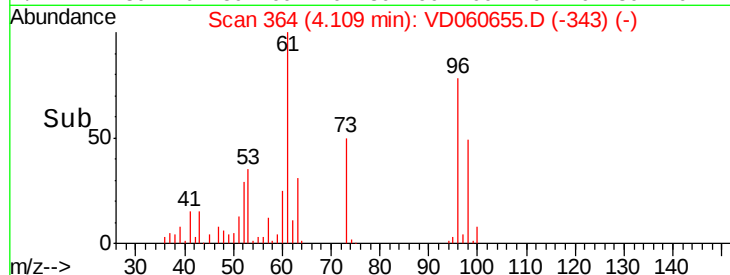
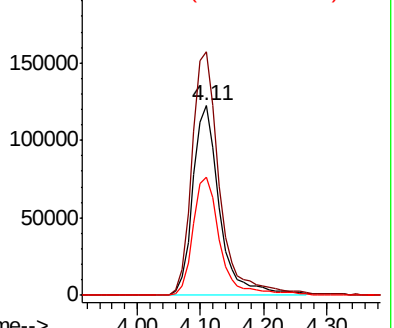
96 100

61 128.4 104.2 156.2

98 62.4 51.2 76.8



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



#22

Diisopropyl ether

Concen: 20.298 ug/l

RT: 4.86 min Scan# 440

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion: 45 Resp: 1095213

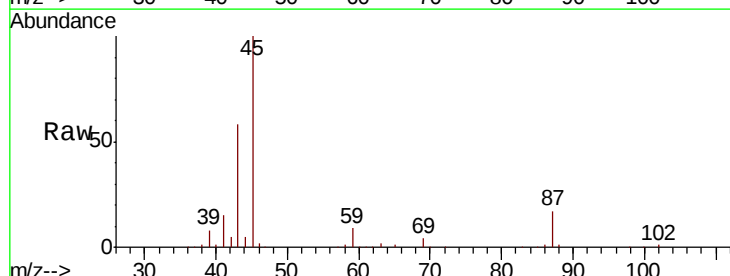
Ion Ratio Lower Upper

45 100

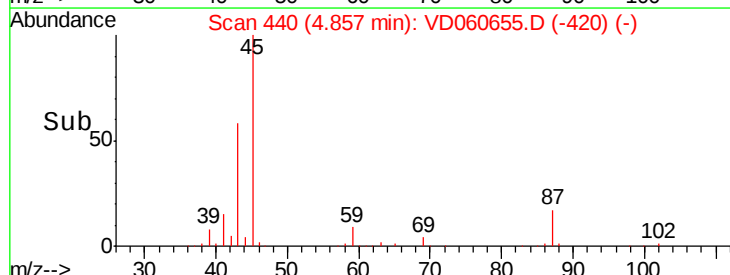
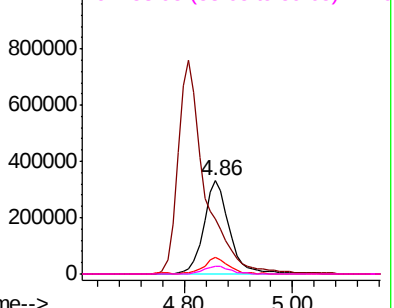
43 58.4 46.1 69.1

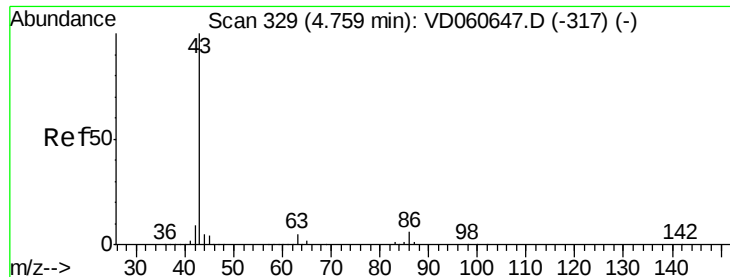
87 17.3 13.7 20.5

59 8.8 7.4 11.0



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

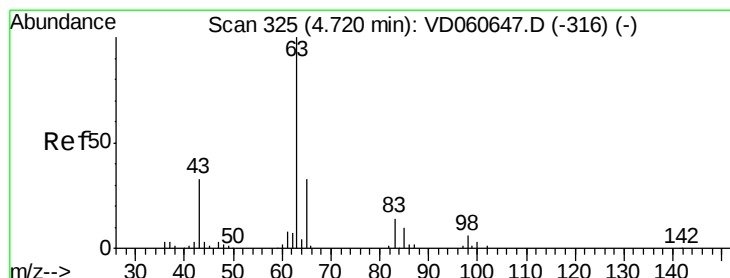
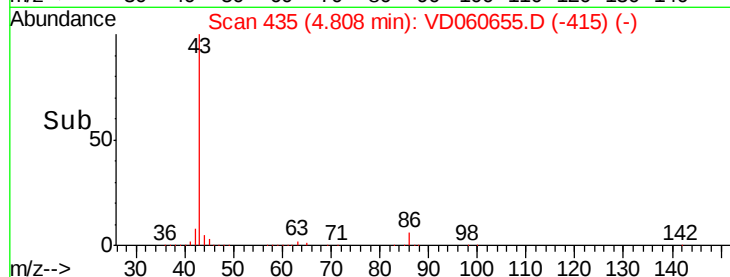
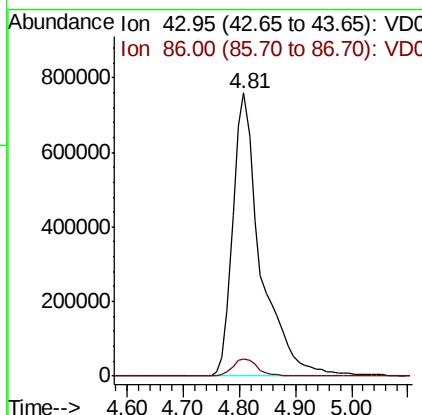
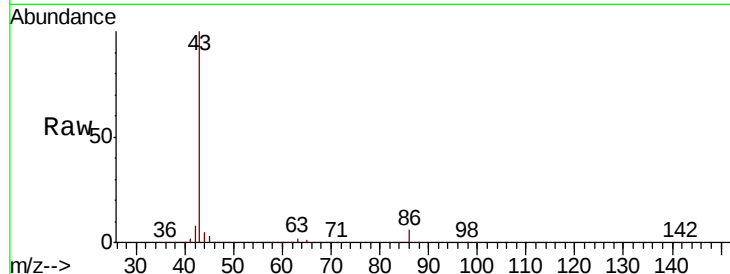




#23
 Vinyl Acetate
 Concen: 98.441 ug/l
 RT: 4.81 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

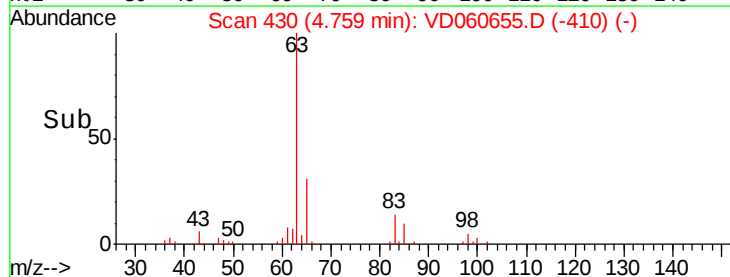
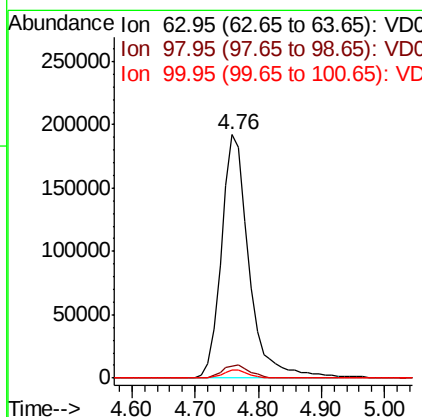
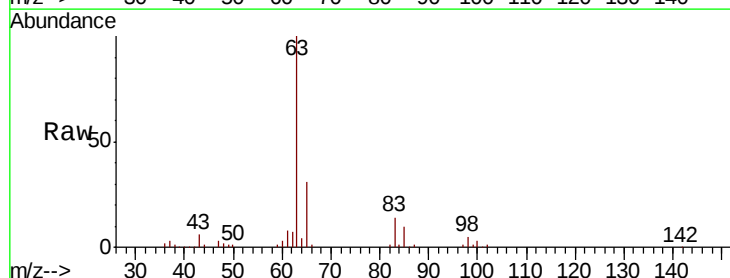
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

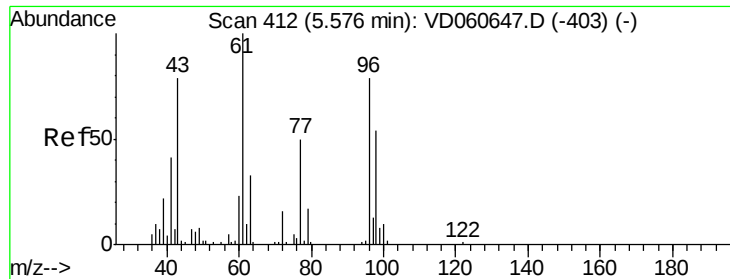
Tgt Ion: 43 Resp: 2608828
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 20.662 ug/l
 RT: 4.76 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 63 Resp: 584112
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.9 8.7
 100 3.5 2.0 5.8





#25

2-Butanone

Concen: 92.890 ug/l

RT: 5.62 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

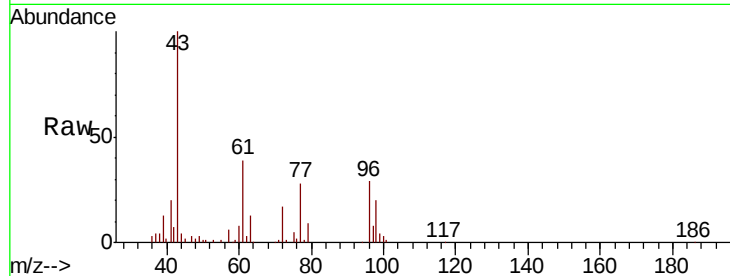
VSTDIC020

Tgt Ion: 43 Resp: 348622

Ion Ratio Lower Upper

43 100

72 16.8 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

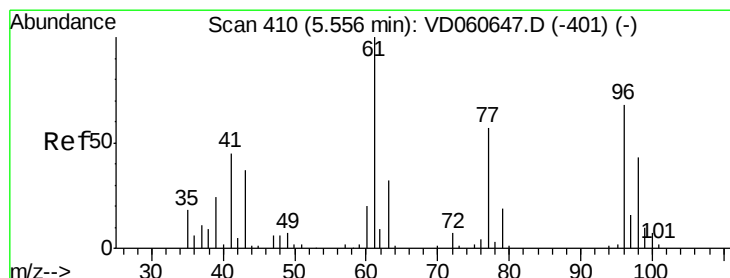
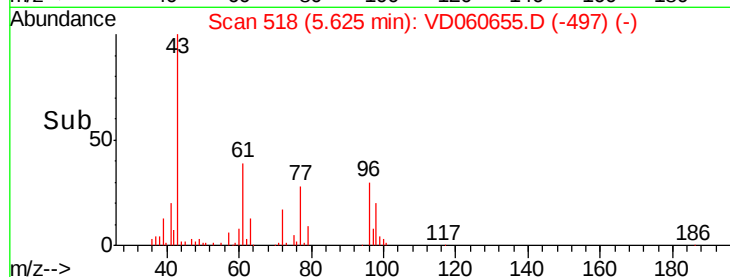
100000

50000

0

5.50 5.55 5.60 5.65 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 20.465 ug/l

RT: 5.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VD060655.D

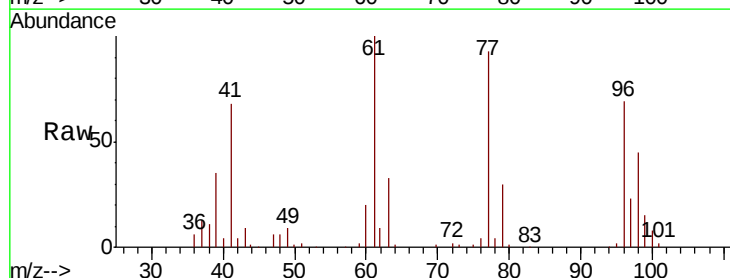
Acq: 20 Dec 2018 12:59

Tgt Ion: 77 Resp: 460975

Ion Ratio Lower Upper

77 100

97 25.1 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

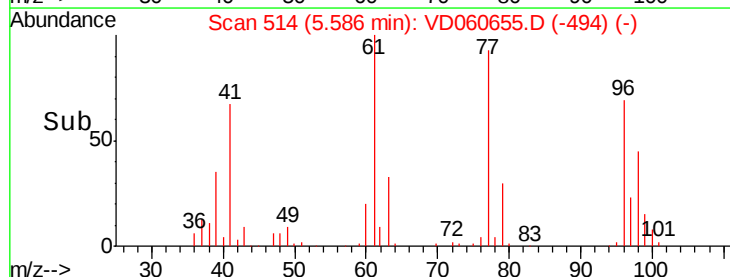
100000

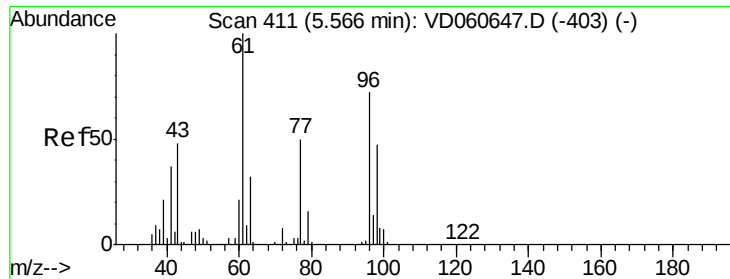
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



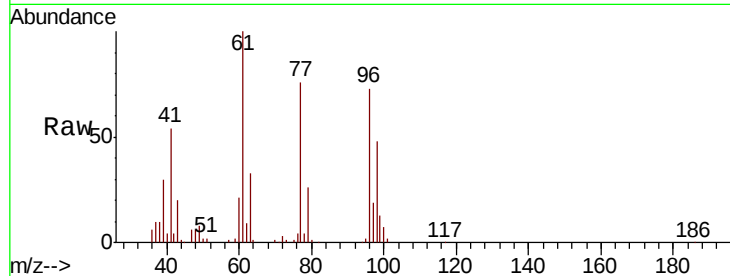


#27

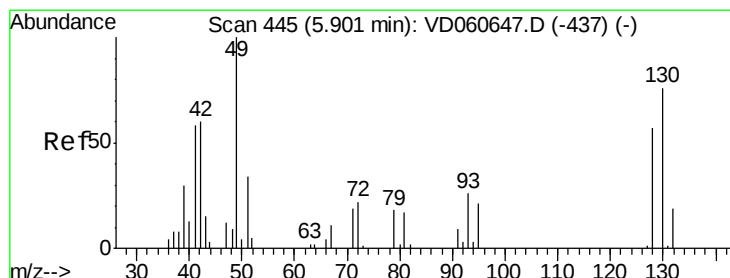
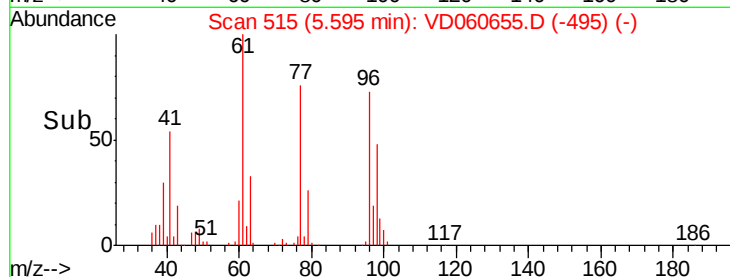
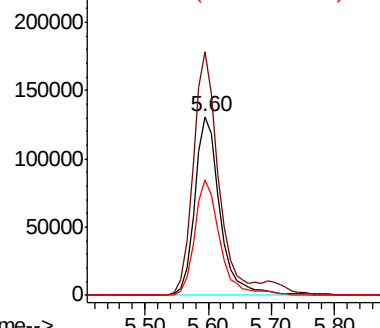
cis-1,2-Dichloroethene
Concen: 20.019 ug/l
RT: 5.60 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 362540
Ion Ratio Lower Upper
96 100
61 136.4 0.0 259.4
98 64.9 0.0 130.0



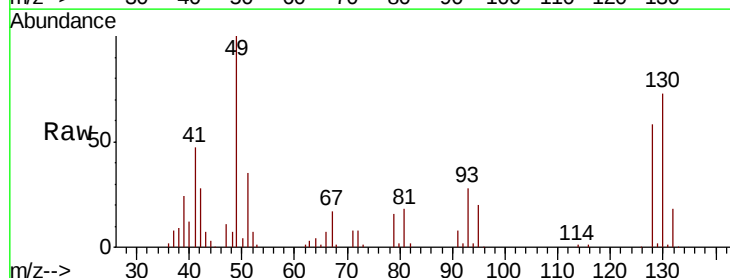
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



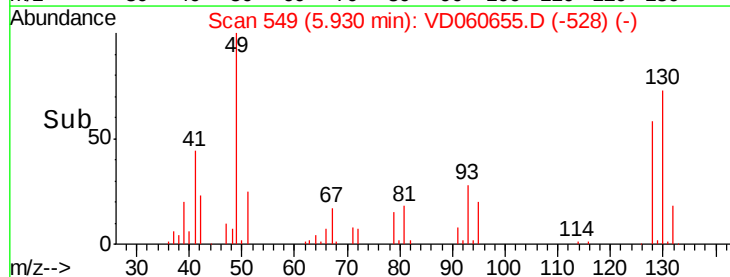
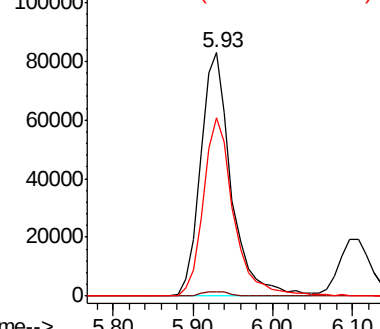
#28

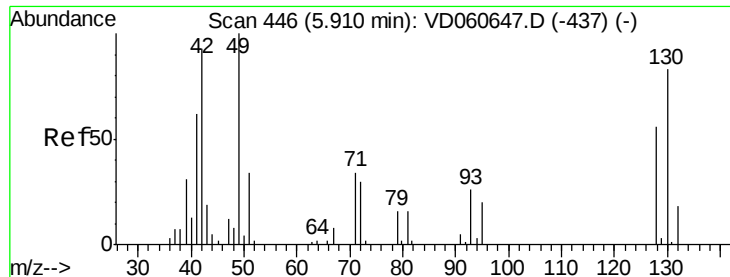
Bromochloromethane
Concen: 18.937 ug/l
RT: 5.93 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 49 Resp: 222906
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.4
130 73.1 56.2 84.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

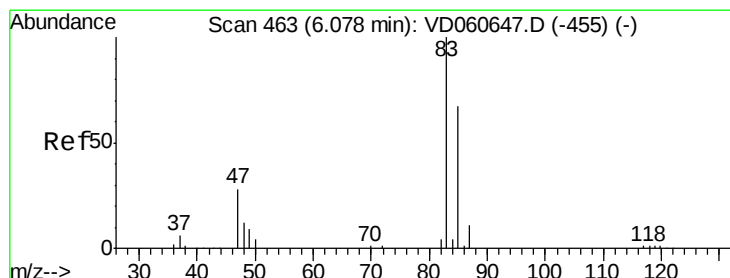
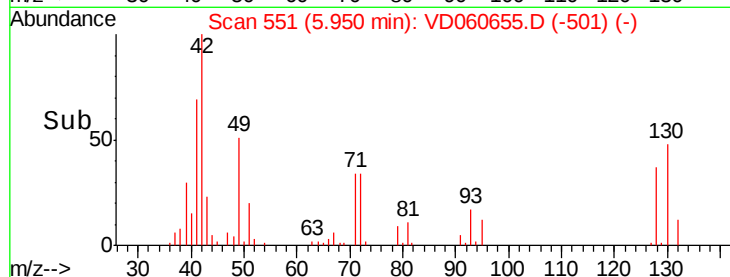
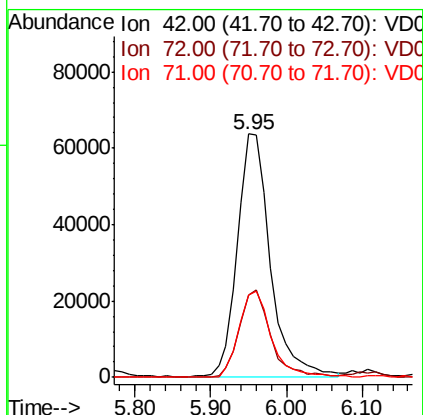
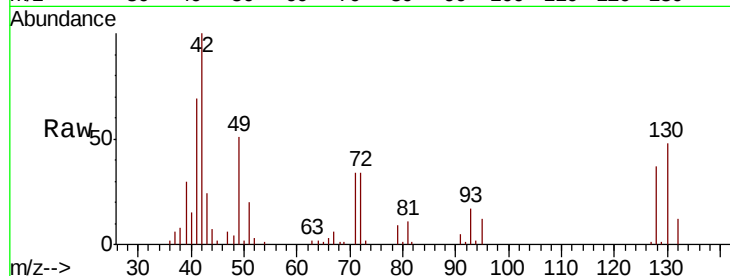




#29
Tetrahydrofuran
Concen: 94.215 ug/l
RT: 5.95 min Scan# 551
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

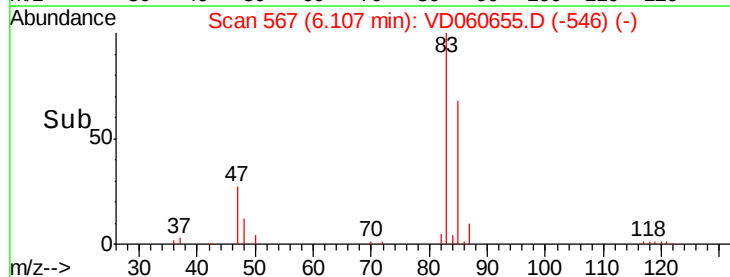
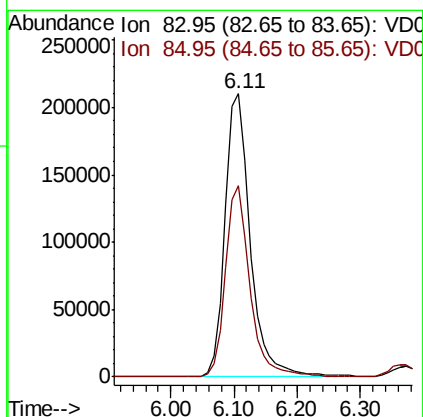
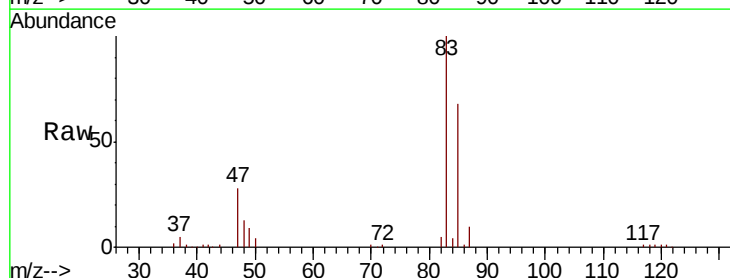
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

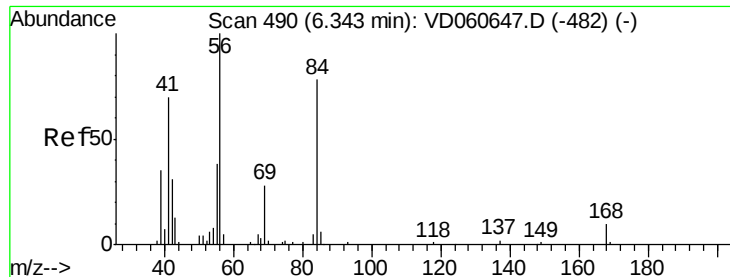
Tgt Ion: 42 Resp: 194082
Ion Ratio Lower Upper
42 100
72 34.2 28.0 42.0
71 34.5 27.0 40.6



#30
Chloroform
Concen: 20.428 ug/l
RT: 6.11 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 83 Resp: 583512
Ion Ratio Lower Upper
83 100
85 67.7 53.0 79.6





#31

Cyclohexane

Concen: 19.247 ug/l

RT: 6.36 min Scan# 593

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

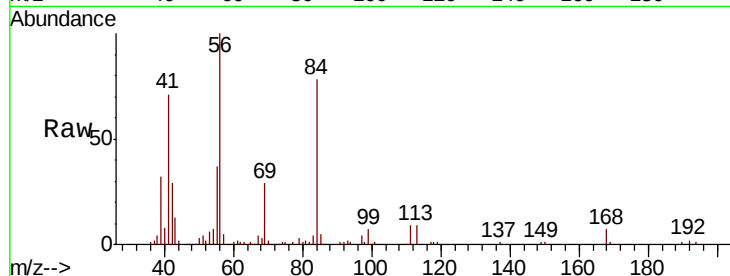
Tgt Ion: 56 Resp: 524717

Ion Ratio Lower Upper

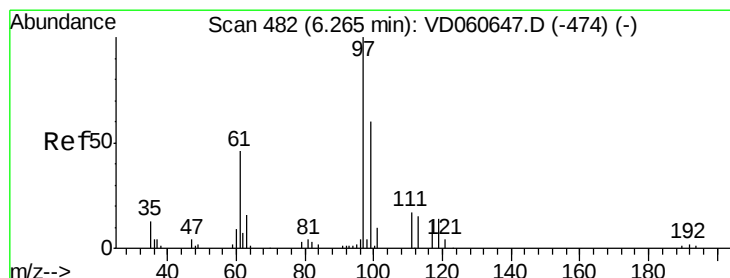
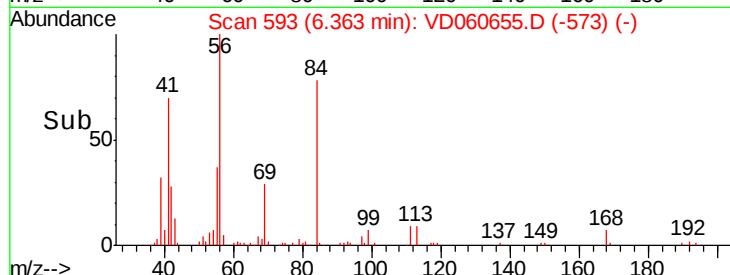
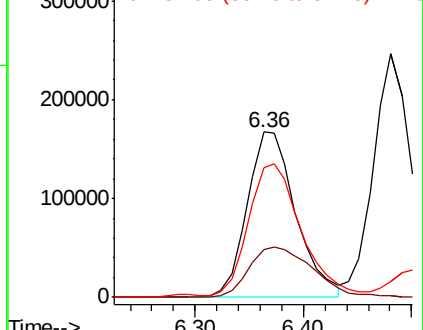
56 100

69 28.8 23.6 35.4

84 78.3 65.8 98.6



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: 20.419 ug/l

RT: 6.29 min Scan# 586

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

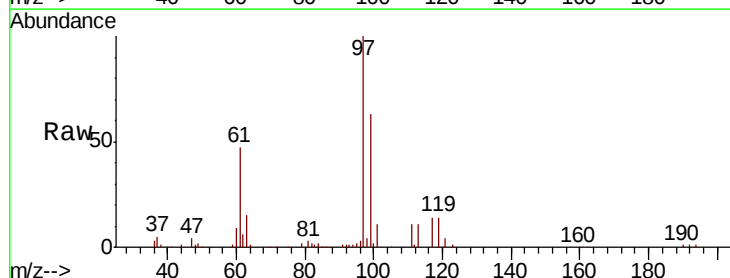
Tgt Ion: 97 Resp: 484404

Ion Ratio Lower Upper

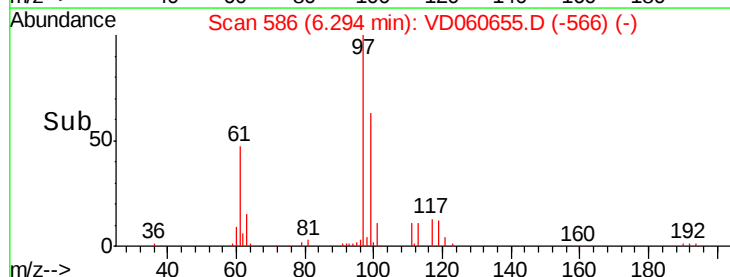
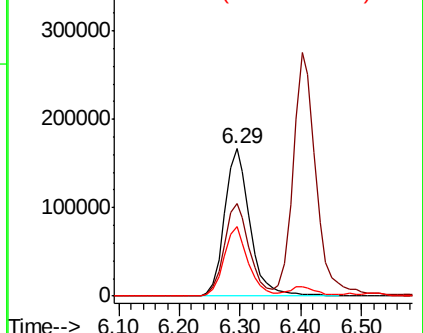
97 100

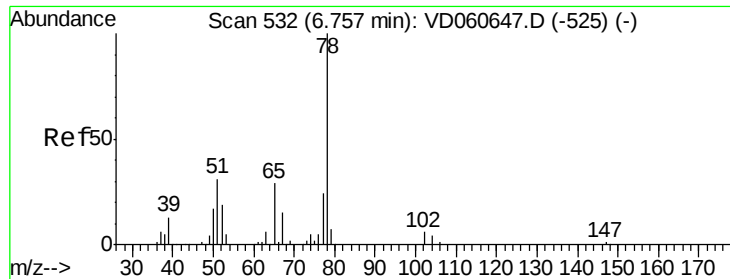
99 62.9 50.5 75.7

61 47.0 34.6 51.8



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

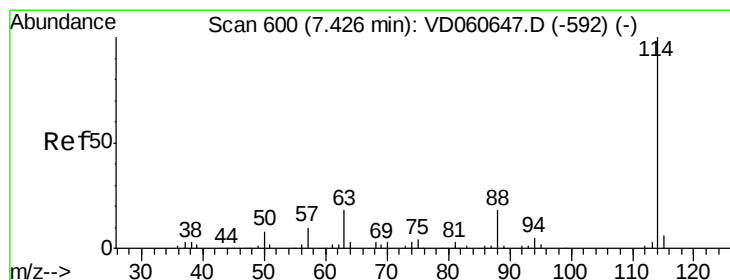
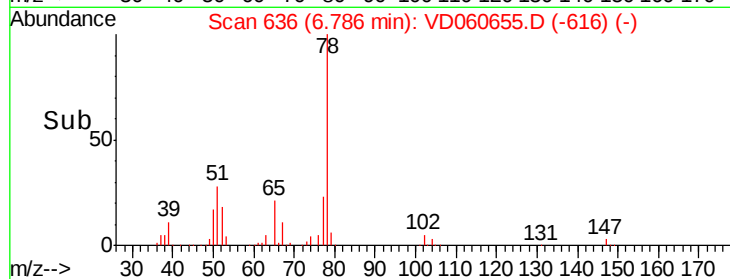
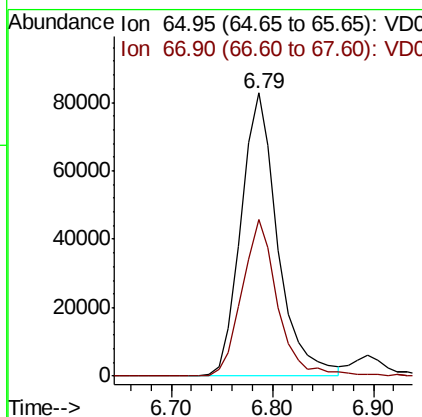
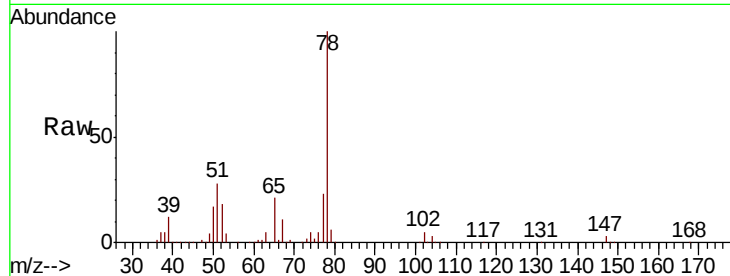




#33
 1,2-Dichloroethane-d4
 Concen: 20.419 ug/l
 RT: 6.79 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

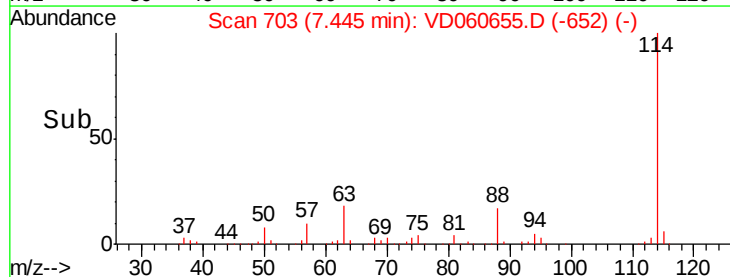
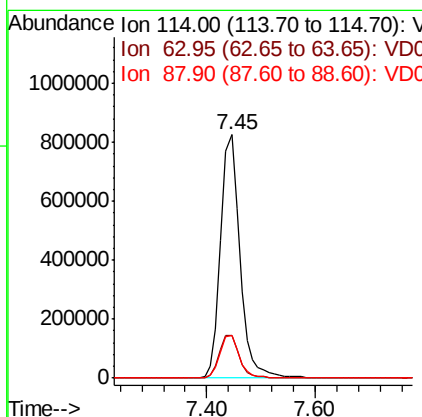
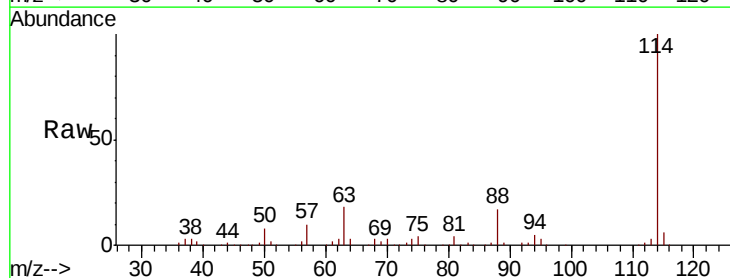
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

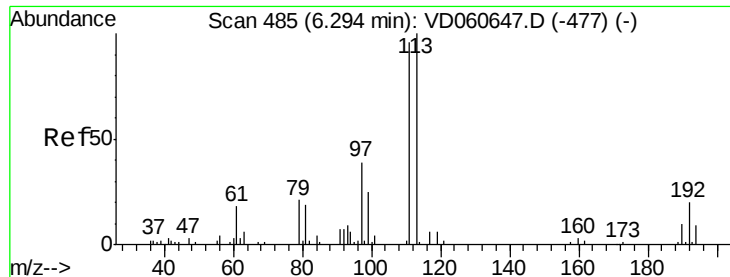
Tgt Ion: 65 Resp: 209048
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 114 Resp: 2051906
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.2
 88 17.5 0.0 37.0

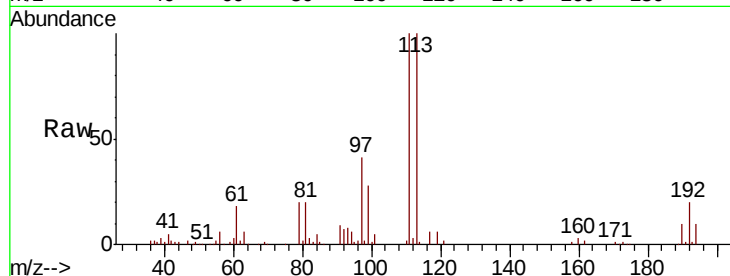




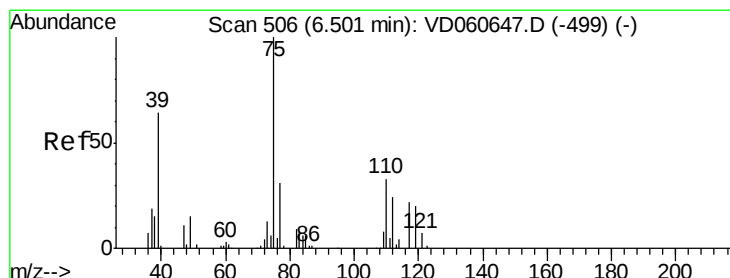
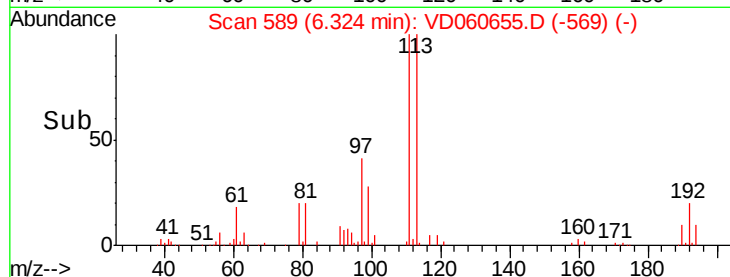
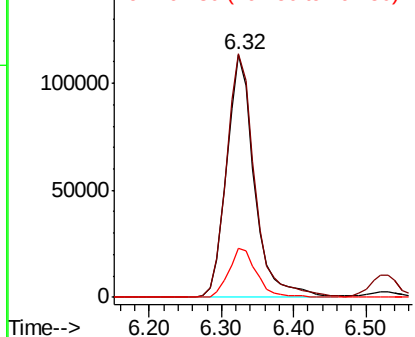
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 589
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 302758
 Ion Ratio Lower Upper
 113 100
 111 100.3 80.0 120.0
 192 20.3 16.6 25.0

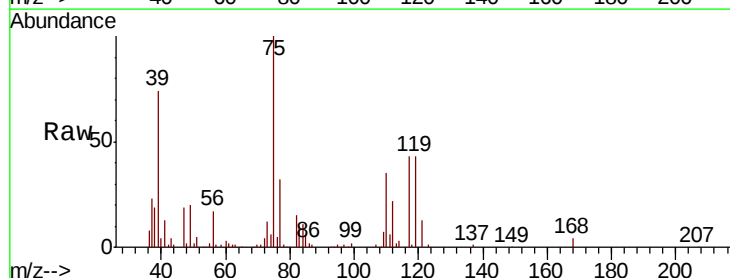


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

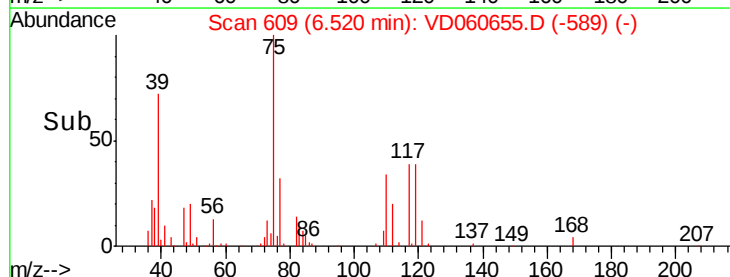
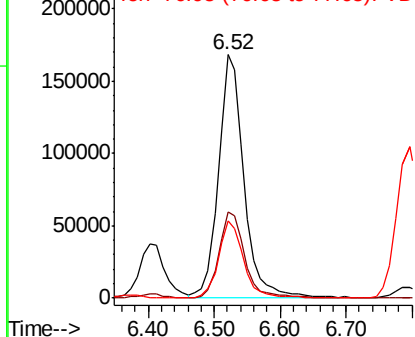


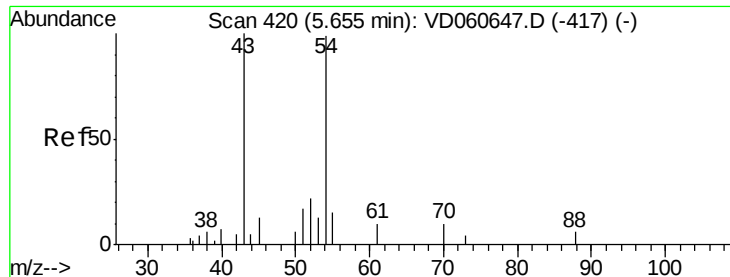
#36
 1,1-Dichloropropene
 Concen: 20.327 ug/l
 RT: 6.52 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 75 Resp: 445288
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.9 56.7
 77 31.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

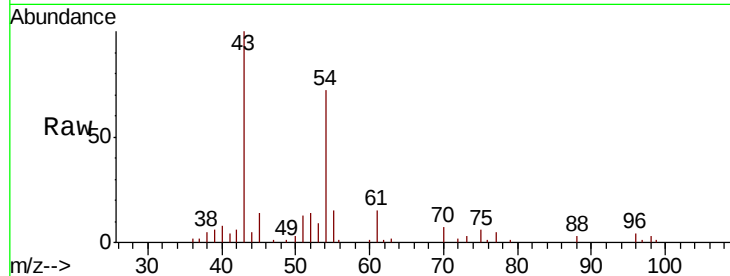




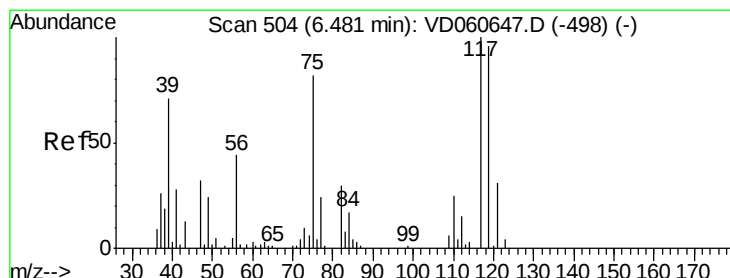
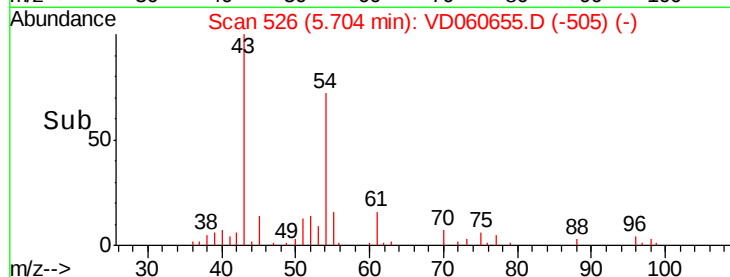
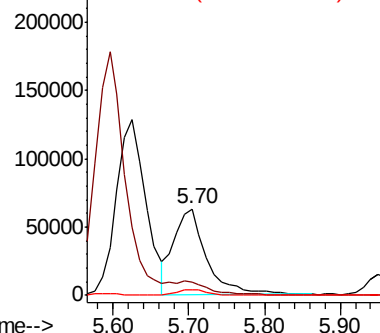
#37
Ethyl Acetate
Concen: 20.546 ug/l
RT: 5.70 min Scan# 526
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 185782
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 7.1 5.8 8.6

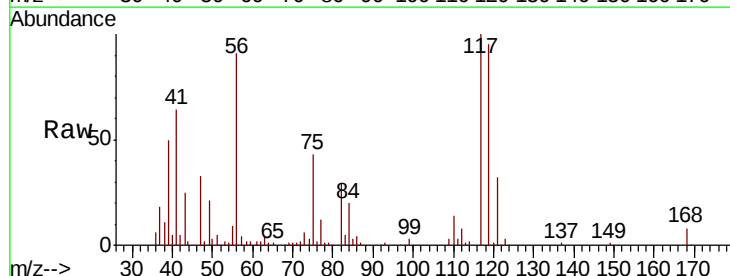


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

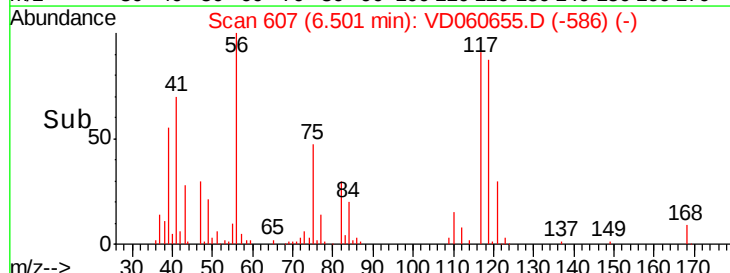
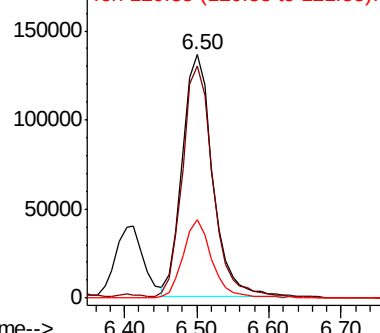


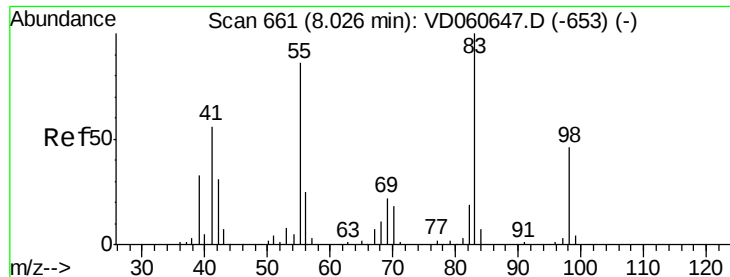
#38
Carbon Tetrachloride
Concen: 20.122 ug/l
RT: 6.50 min Scan# 607
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 117 Resp: 397657
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.4
121 32.2 24.7 37.1



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

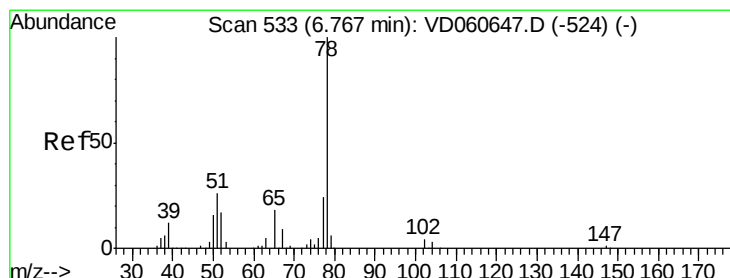
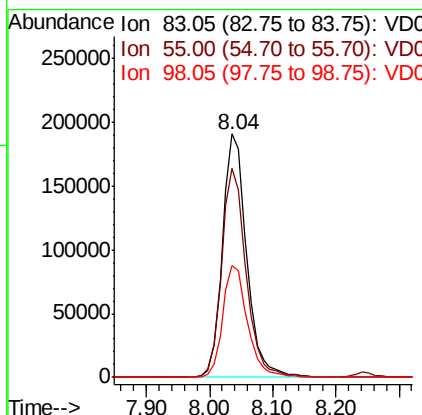
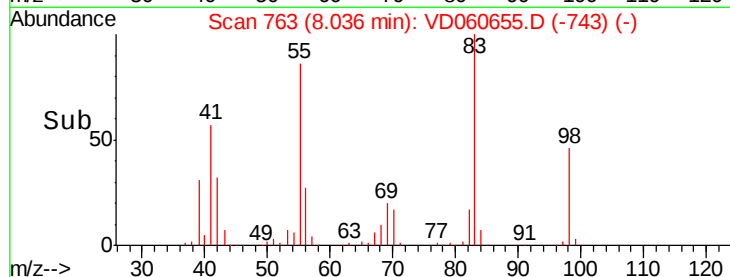
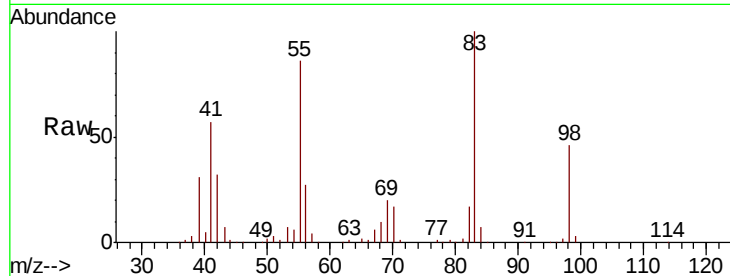




#39
Methylcyclohexane
Concen: 19.772 ug/l
RT: 8.04 min Scan# 763
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

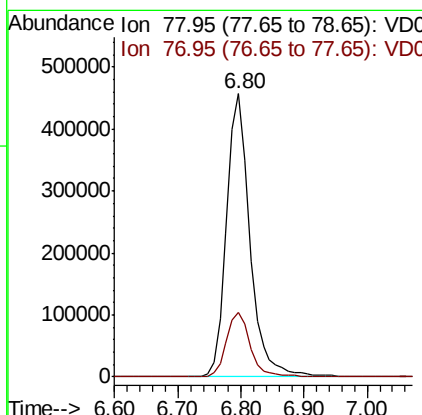
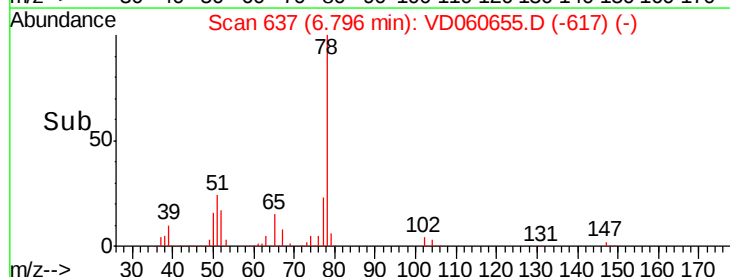
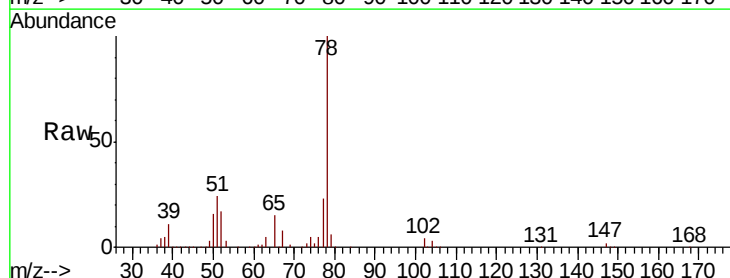
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

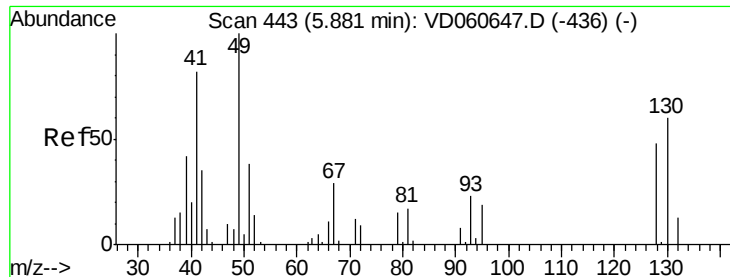
Tgt Ion: 83 Resp: 508026
Ion Ratio Lower Upper
83 100
55 85.7 68.6 102.8
98 46.2 38.1 57.1



#40
Benzene
Concen: 20.661 ug/l
RT: 6.80 min Scan# 637
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 78 Resp: 1174357
Ion Ratio Lower Upper
78 100
77 22.9 19.2 28.8

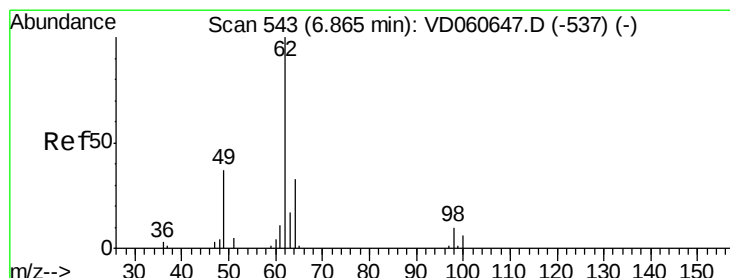
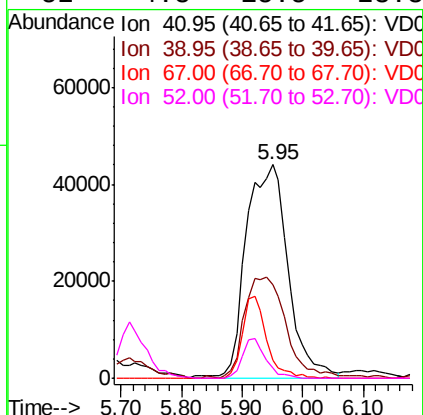
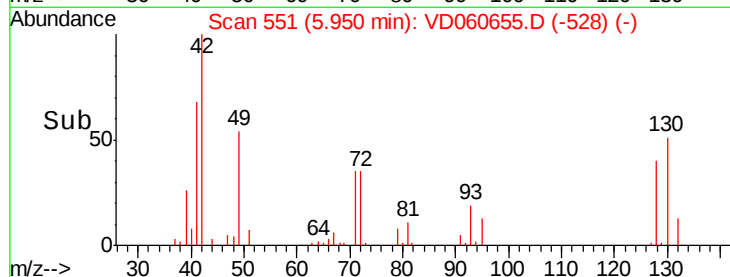
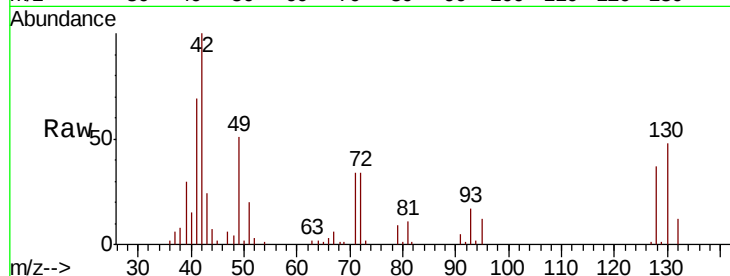




#41
Methacrylonitrile
Concen: 39.528 ug/l
RT: 5.95 min Scan# 551
Delta R.T. 0.02 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

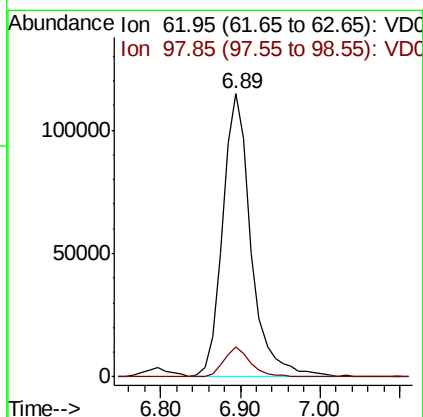
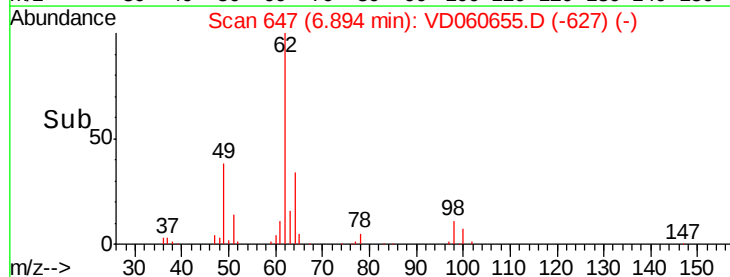
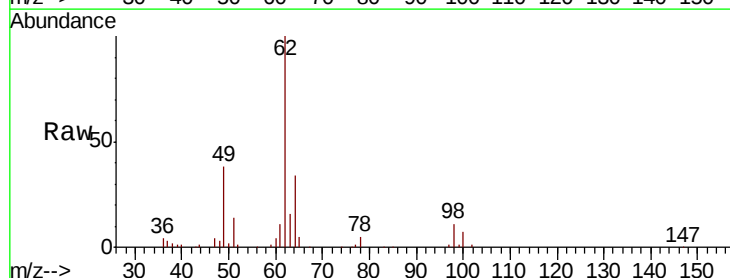
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

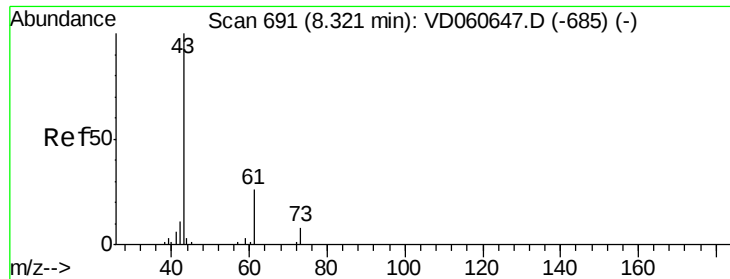
Tgt Ion: 41 Resp: 211800
Ion Ratio Lower Upper
41 100
39 44.0 37.6 56.4
67 8.3 33.0 49.6#
52 4.8 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 20.358 ug/l
RT: 6.89 min Scan# 647
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 62 Resp: 287588
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.4





#43

Isopropyl Acetate

Concen: 18.159 ug/l

RT: 8.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

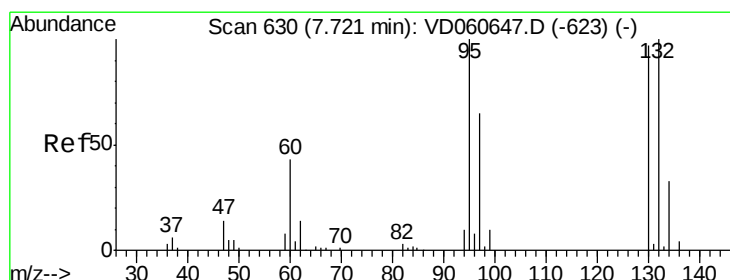
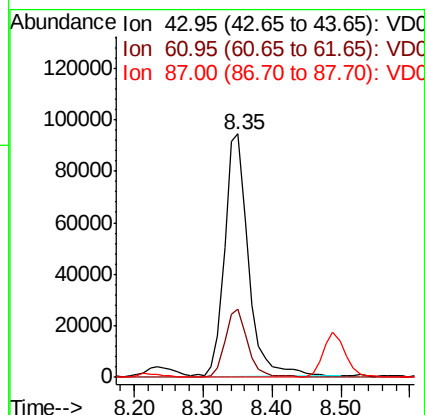
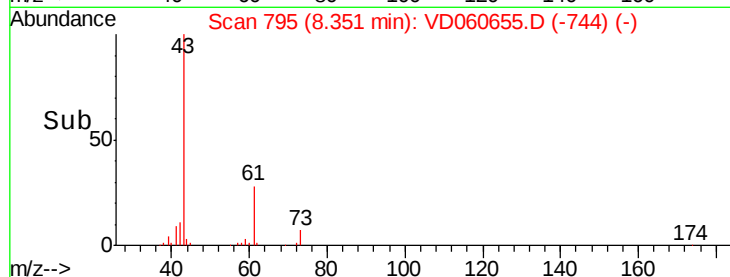
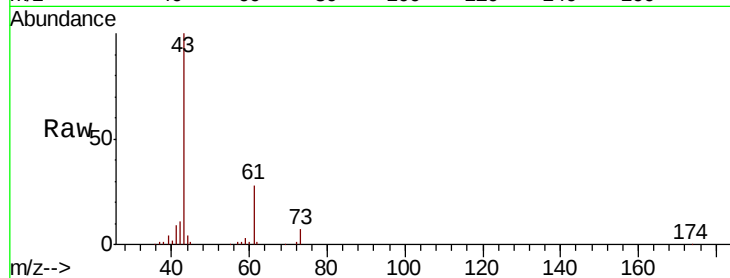
Tgt Ion: 43 Resp: 222983

Ion Ratio Lower Upper

43 100

61 27.9 21.8 32.8

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 20.327 ug/l

RT: 7.74 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD060655.D

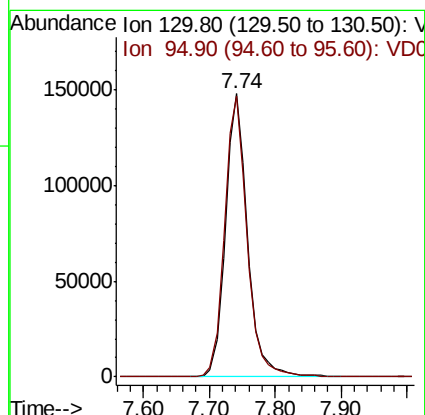
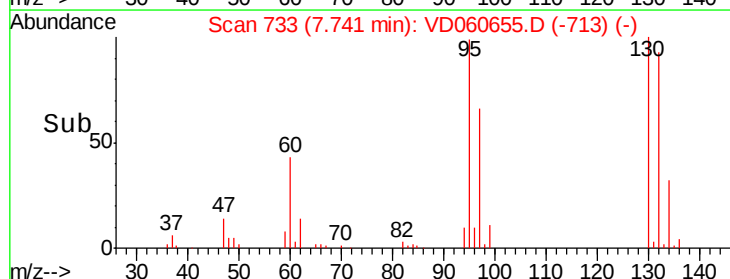
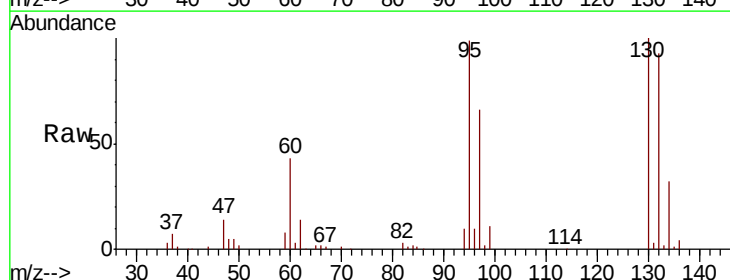
Acq: 20 Dec 2018 12:59

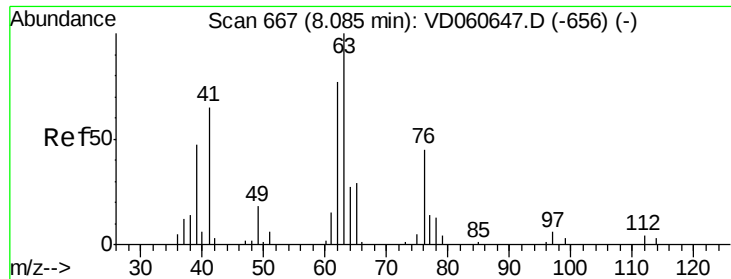
Tgt Ion: 130 Resp: 345729

Ion Ratio Lower Upper

130 100

95 99.3 0.0 193.6





#45

1,2-Dichloropropane

Concen: 20.541 ug/l

RT: 8.10 min Scan# 770

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

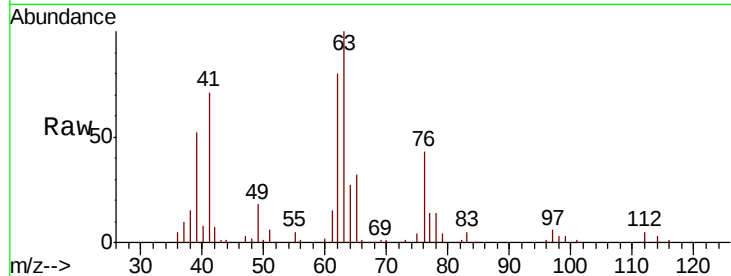
VSTDIC020

Tgt Ion: 63 Resp: 283564

Ion Ratio Lower Upper

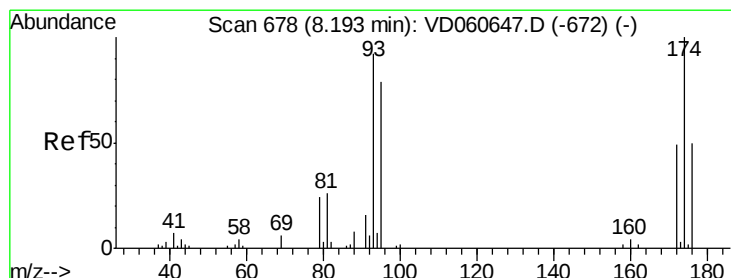
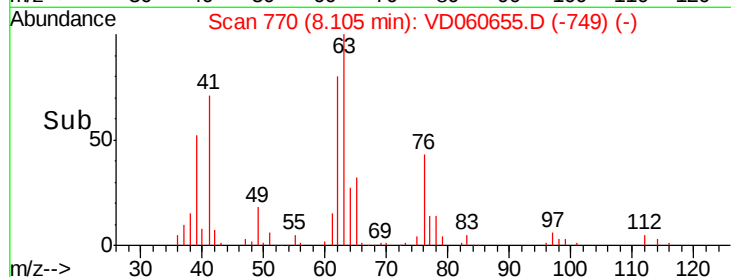
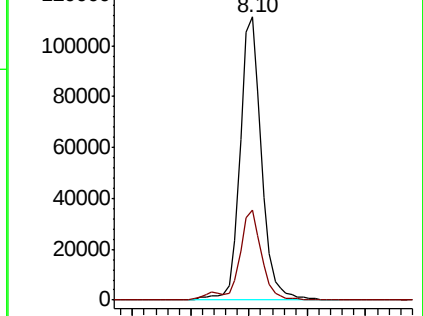
63 100

65 31.7 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.425 ug/l

RT: 8.21 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

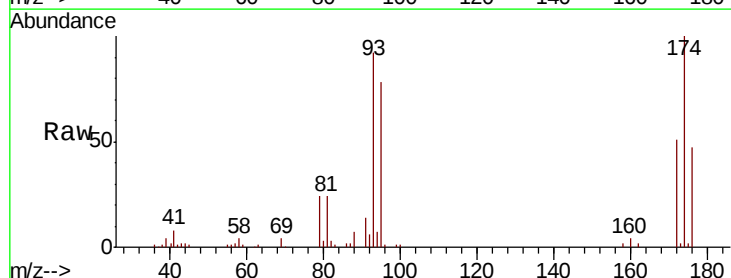
Tgt Ion: 93 Resp: 155523

Ion Ratio Lower Upper

93 100

95 85.0 68.8 103.2

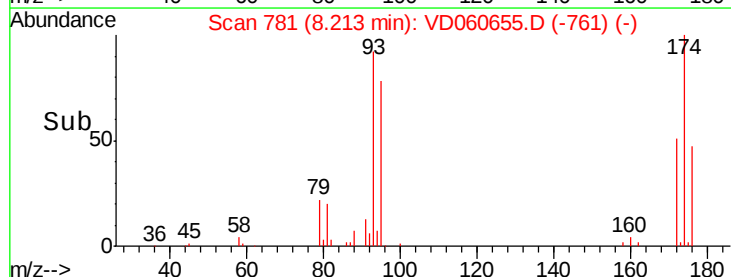
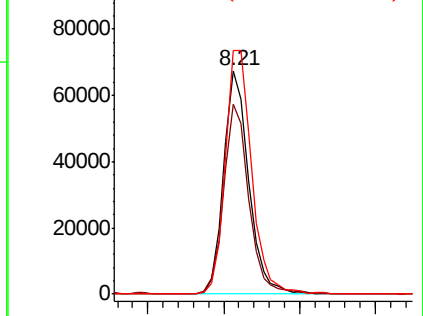
174 108.8 93.0 139.4

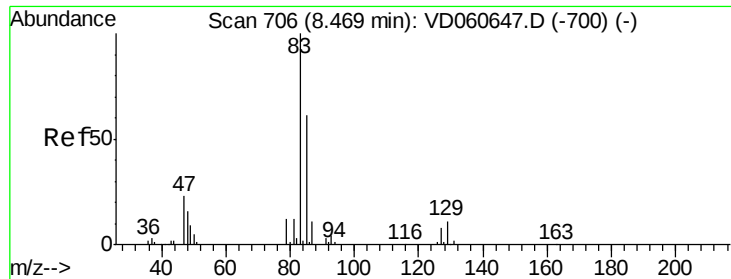


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.468 ug/l

RT: 8.49 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

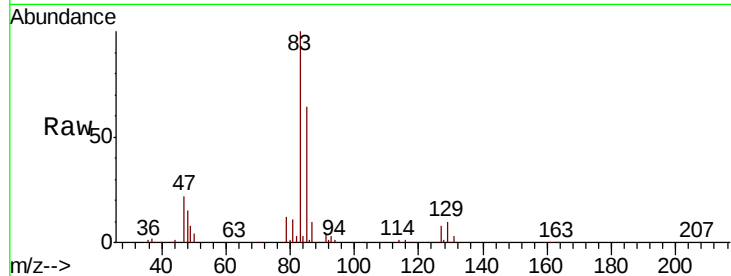
Tgt Ion: 83 Resp: 376860

Ion Ratio Lower Upper

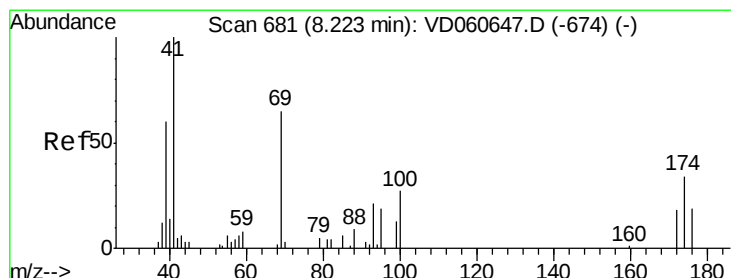
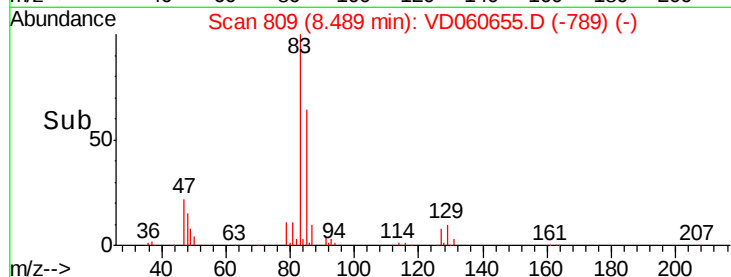
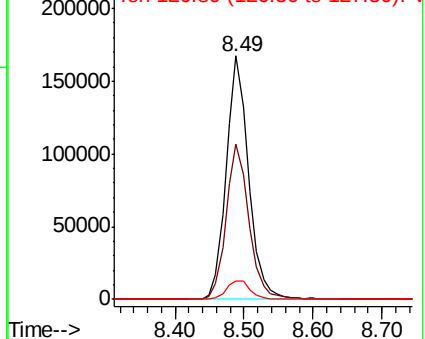
83 100

85 64.0 51.1 76.7

127 7.7 7.0 10.6



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: 18.350 ug/l

RT: 8.24 min Scan# 784

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

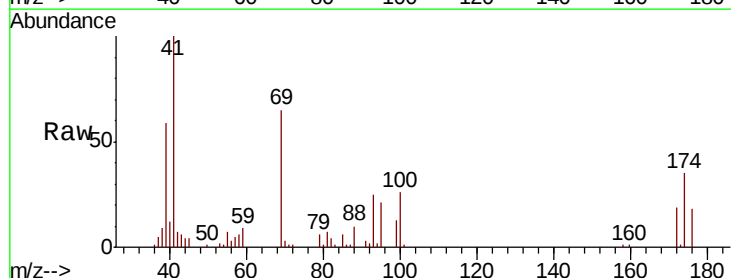
Tgt Ion: 41 Resp: 137164

Ion Ratio Lower Upper

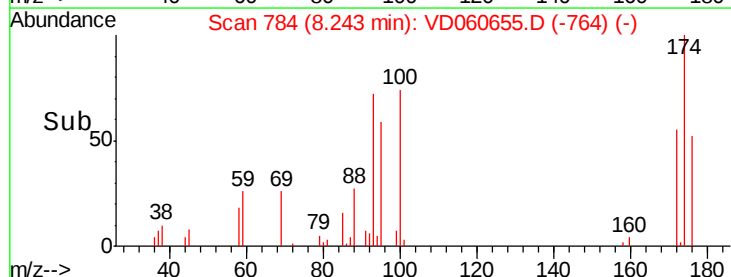
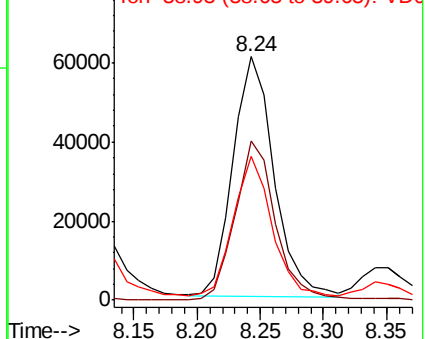
41 100

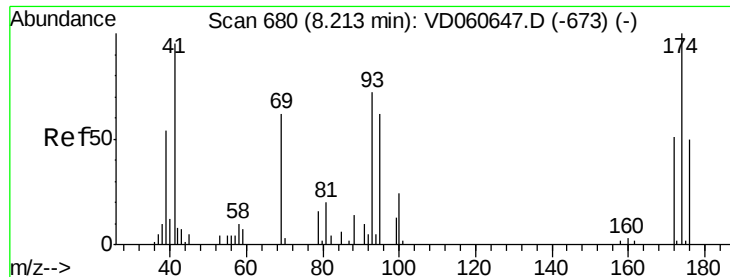
69 65.4 51.2 76.8

39 58.9 44.6 67.0



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

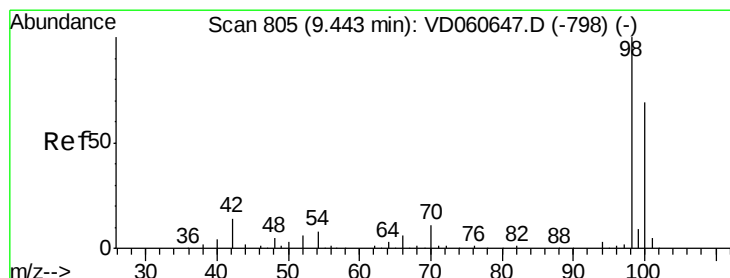
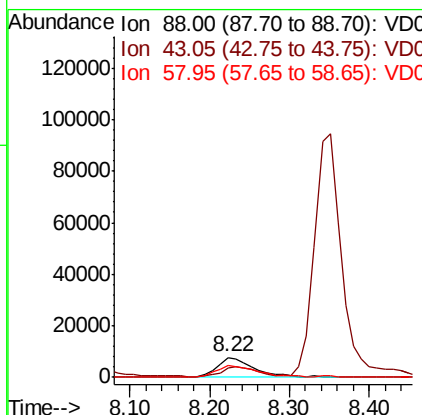
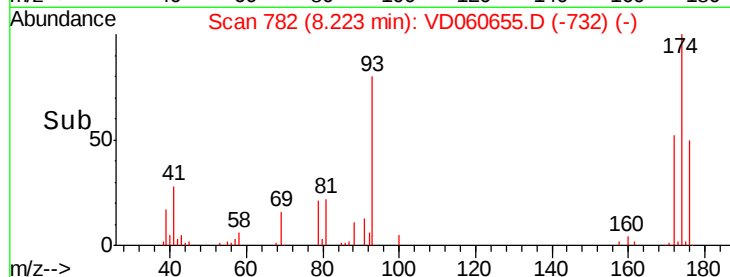
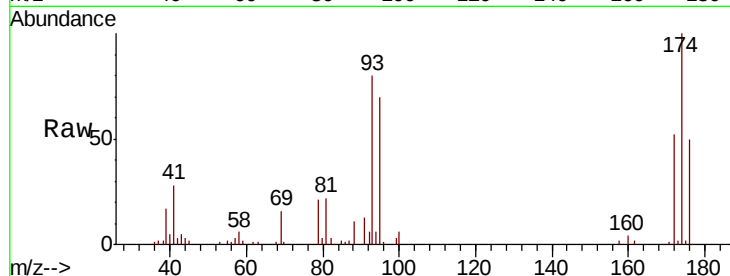




#49
1,4-Dioxane
Concen: 355.754 ug/l
RT: 8.22 min Scan# 782
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

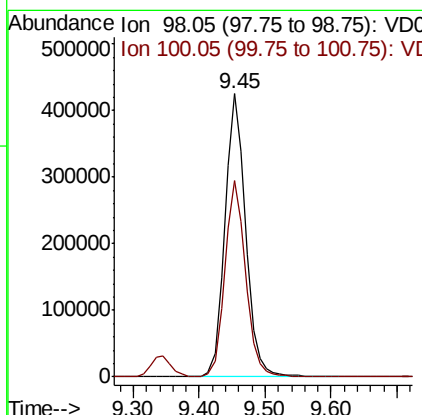
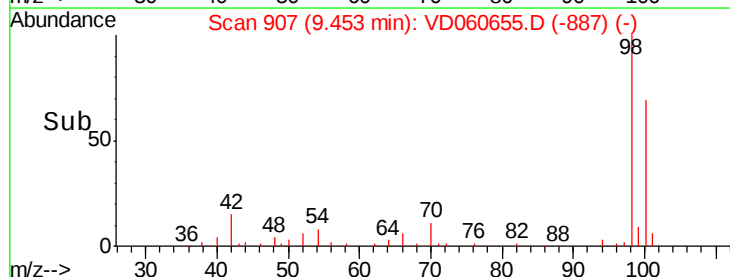
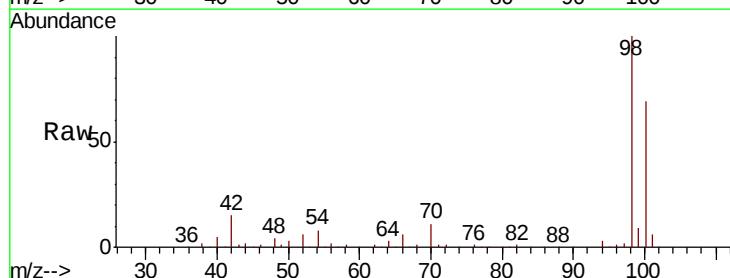
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

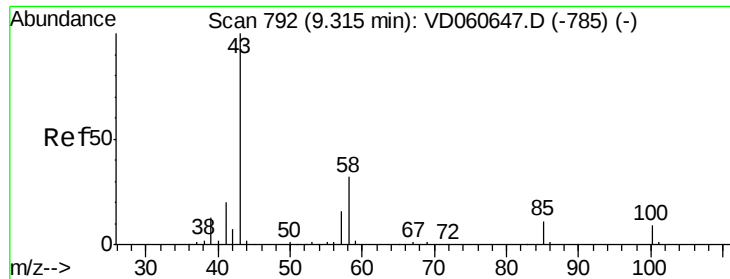
Tgt Ion: 88 Resp: 24899
Ion Ratio Lower Upper
88 100
43 44.6 31.5 47.3
58 60.3 50.6 76.0



#50
Toluene-d8
Concen: 355.754 ug/l
RT: 9.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 98 Resp: 940022
Ion Ratio Lower Upper
98 100
100 69.2 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 96.769 ug/l

RT: 9.33 min Scan# 895

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

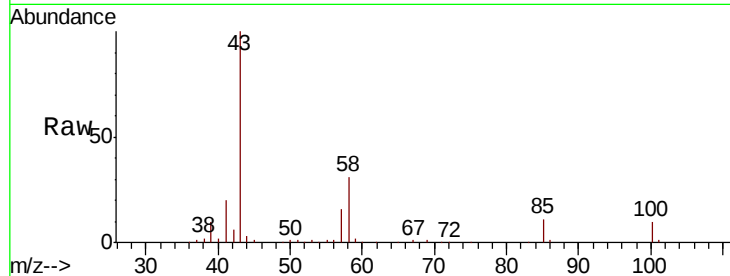
VSTDIC020

Tgt Ion: 43 Resp: 728788

Ion Ratio Lower Upper

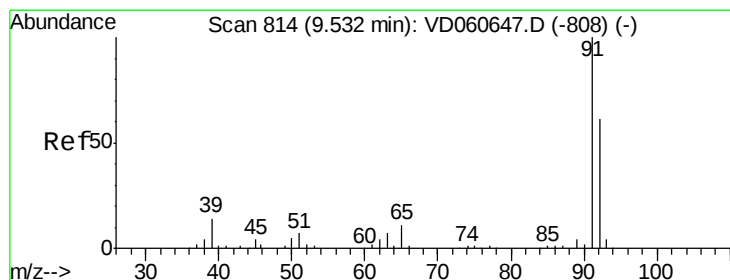
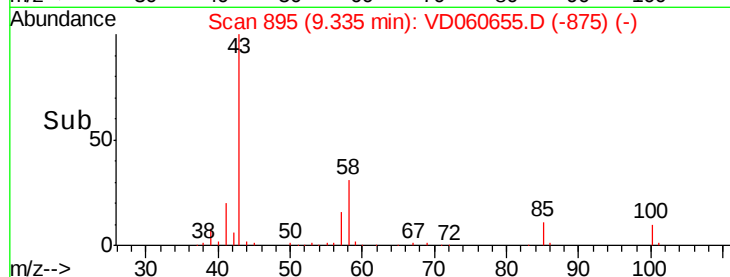
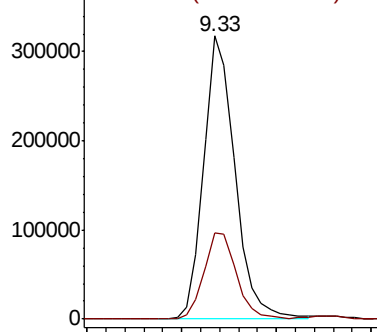
43 100

58 30.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.417 ug/l

RT: 9.55 min Scan# 917

Delta R.T. 0.00 min

Lab File: VD060655.D

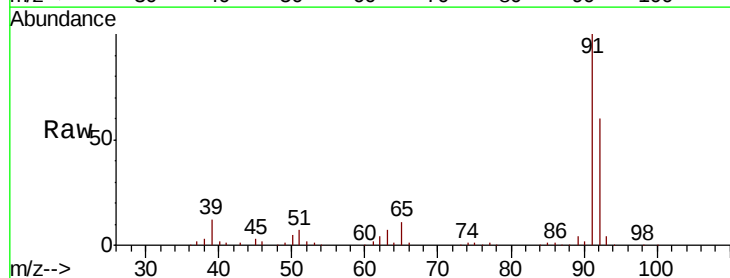
Acq: 20 Dec 2018 12:59

Tgt Ion: 92 Resp: 736998

Ion Ratio Lower Upper

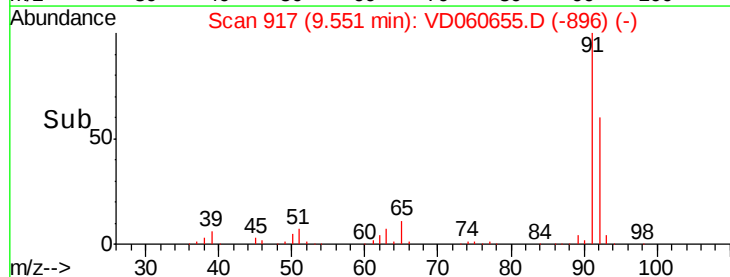
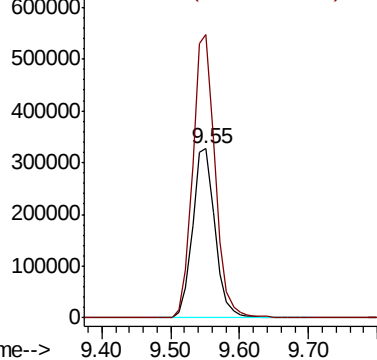
92 100

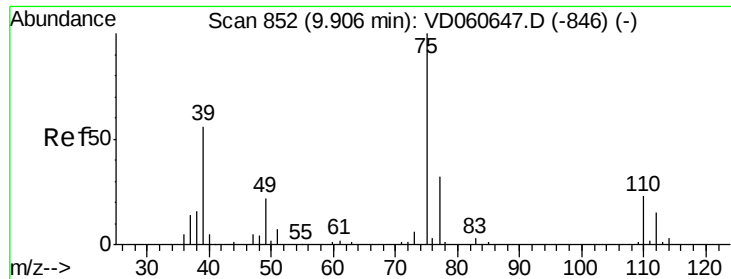
91 167.4 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

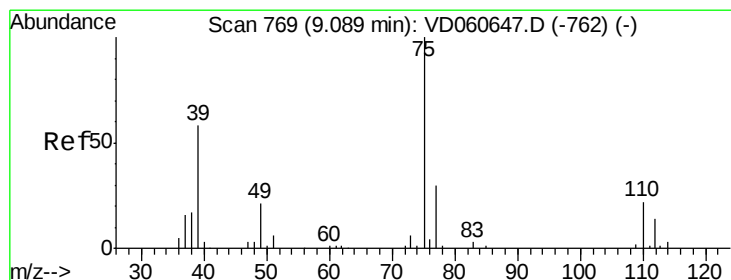
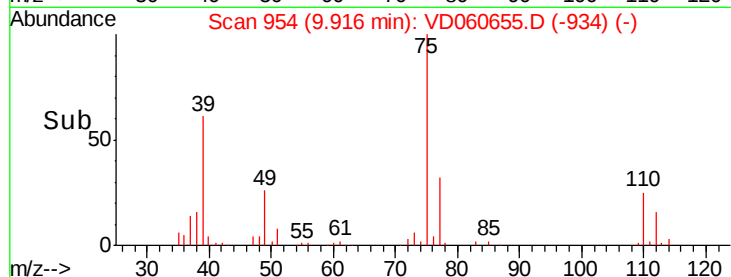
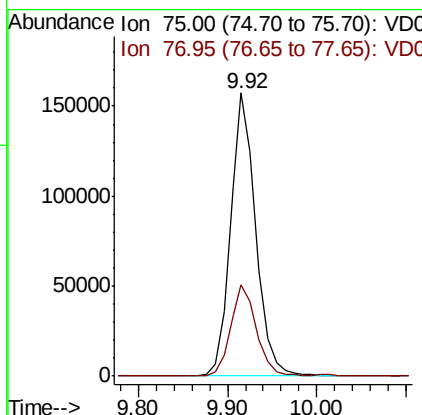
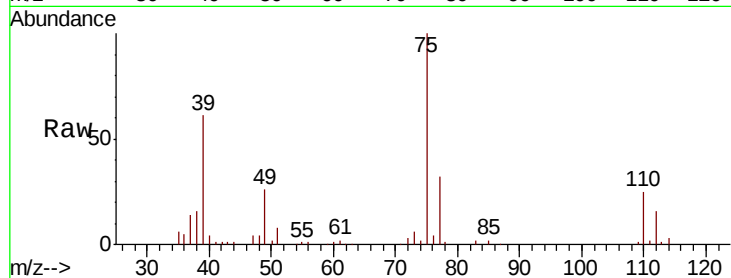




#53
 t-1,3-Dichloropropene
 Concen: 18.878 ug/l
 RT: 9.92 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

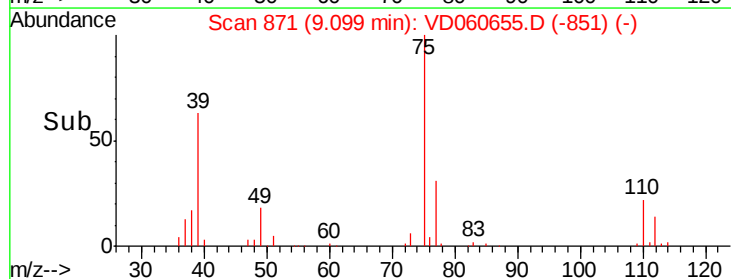
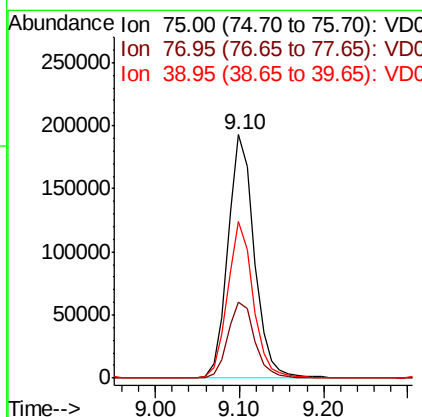
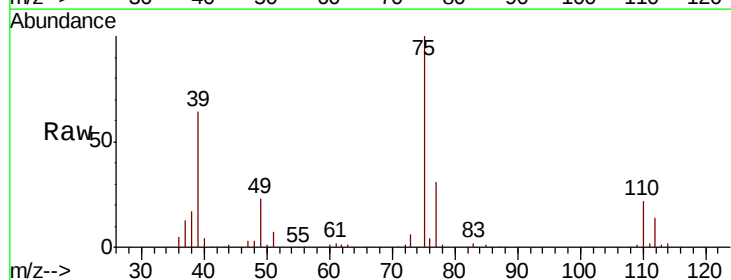
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

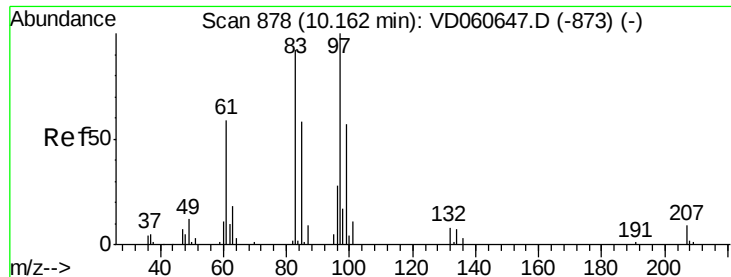
Tgt Ion: 75 Resp: 310280
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 19.497 ug/l
 RT: 9.10 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 75 Resp: 418870
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2
 39 64.4 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 19.916 ug/l

RT: 10.18 min Scan# 981

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 190646

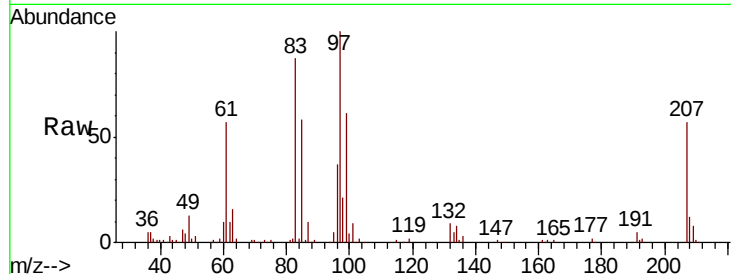
Ion Ratio Lower Upper

97 100

83 87.4 70.0 105.0

85 57.7 46.6 70.0

99 60.7 49.6 74.4

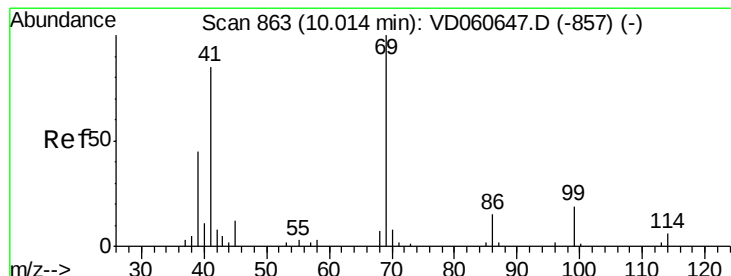
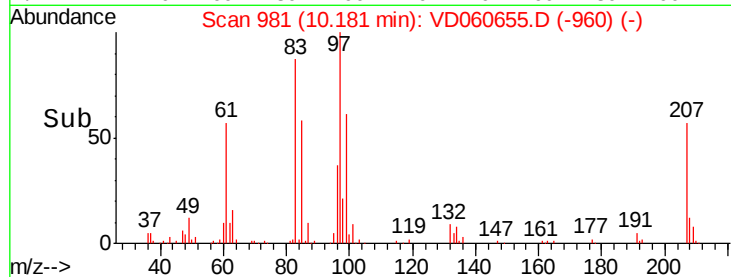
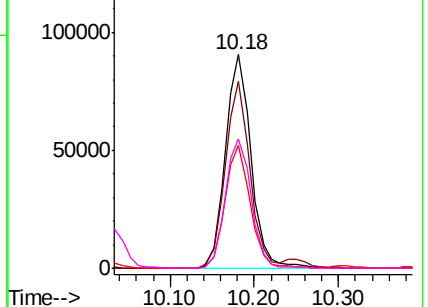


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 17.831 ug/l

RT: 10.03 min Scan# 966

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

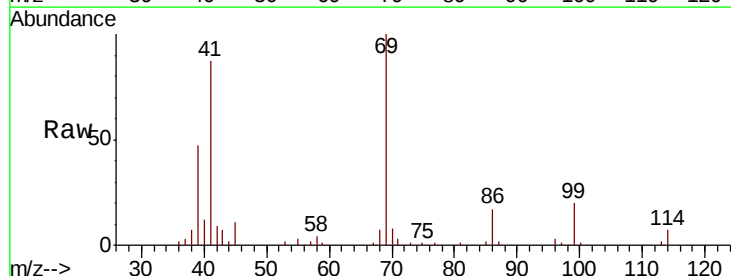
Tgt Ion: 69 Resp: 174602

Ion Ratio Lower Upper

69 100

41 87.2 68.3 102.5

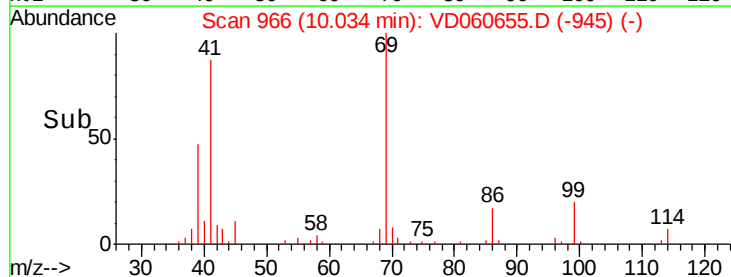
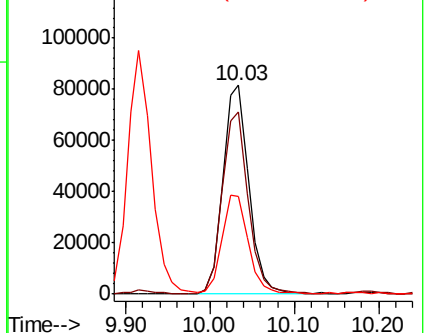
39 46.8 37.2 55.8

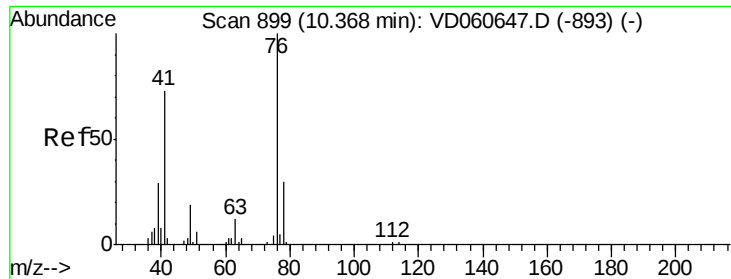


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

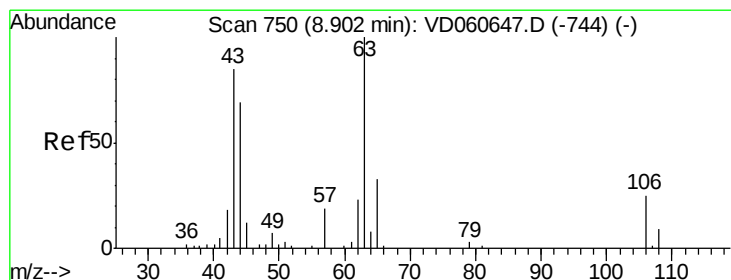
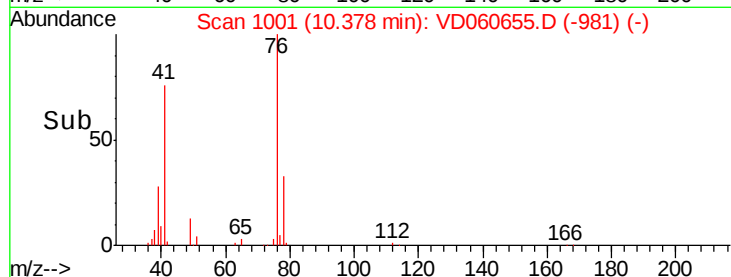
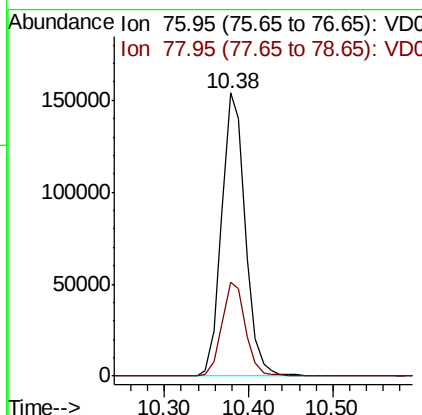
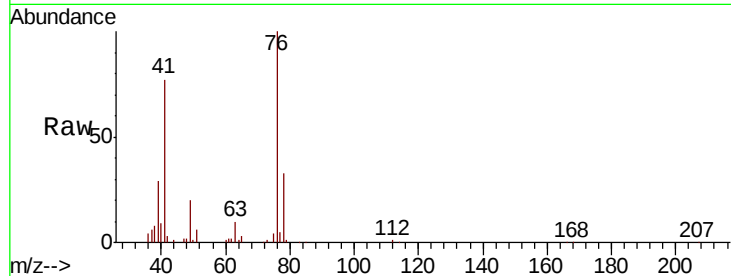




#57
 1,3-Dichloropropane
 Concen: 19.665 ug/l
 RT: 10.38 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

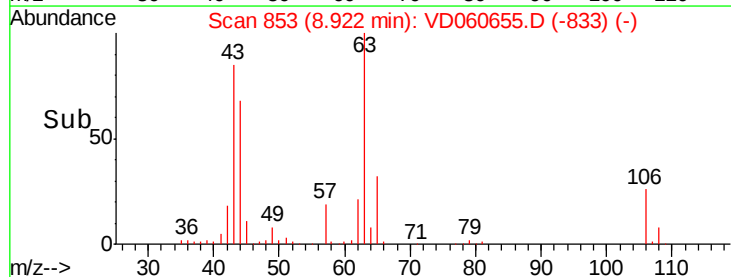
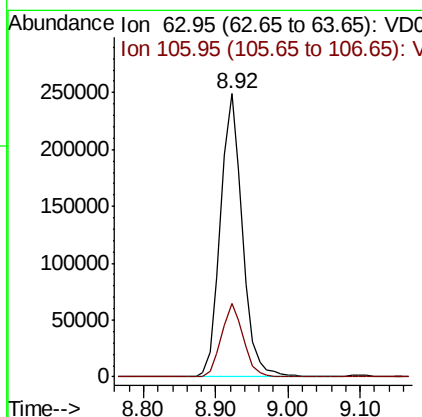
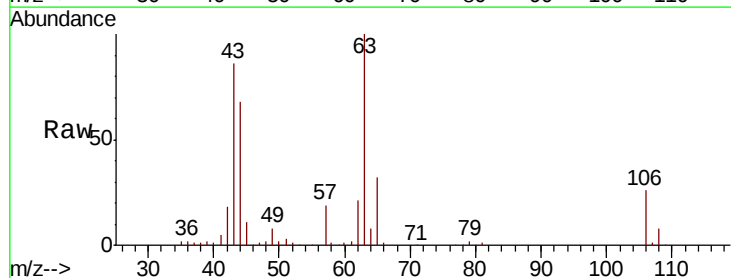
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

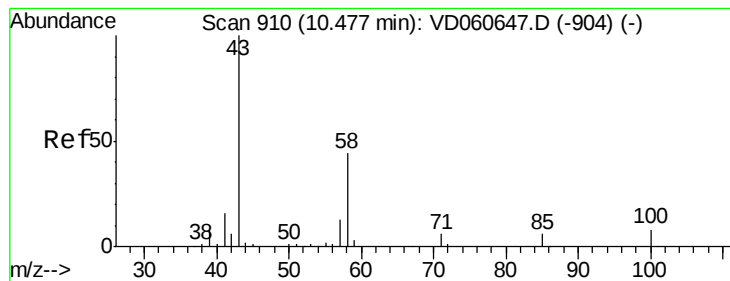
Tgt Ion: 76 Resp: 300211
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.896 ug/l
 RT: 8.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 63 Resp: 521321
 Ion Ratio Lower Upper
 63 100
 106 26.0 22.4 33.6





#59

2-Hexanone

Concen: 93.951 ug/l

RT: 10.49 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

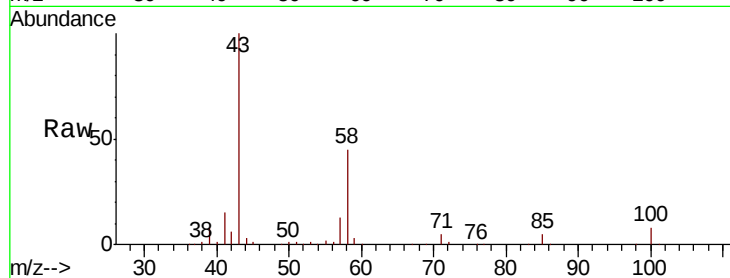
VSTDIC020

Tgt Ion: 43 Resp: 502750

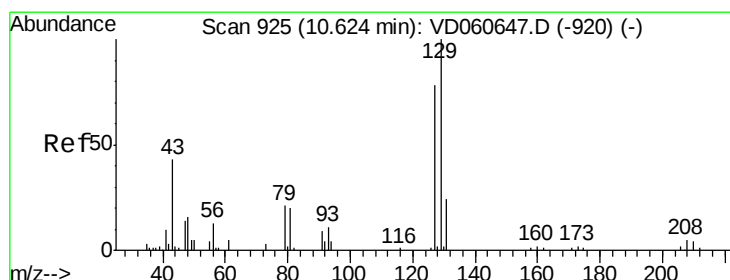
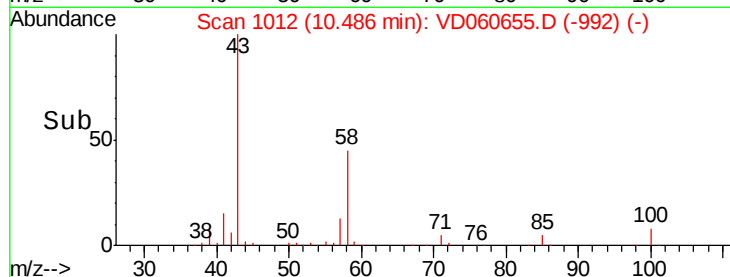
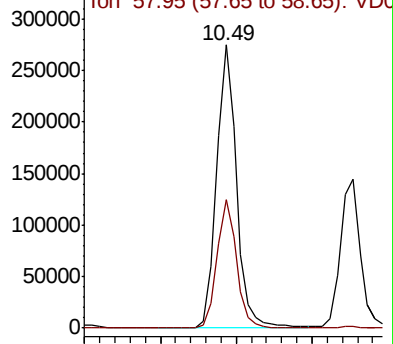
Ion Ratio Lower Upper

43 100

58 45.3 23.5 70.5



Abundance Ion 42.95 (42.65 to 43.65): VD060647.D (-904) (-)



#60

Dibromochloromethane

Concen: 18.465 ug/l

RT: 10.63 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VD060655.D

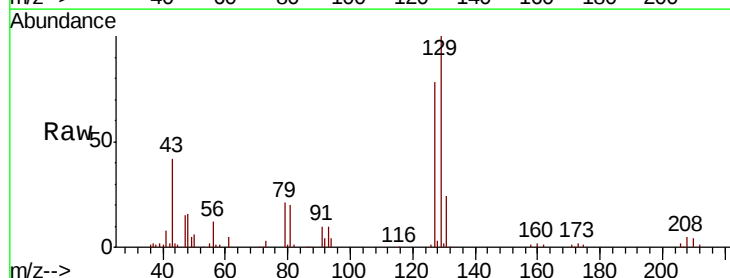
Acq: 20 Dec 2018 12:59

Tgt Ion: 129 Resp: 239672

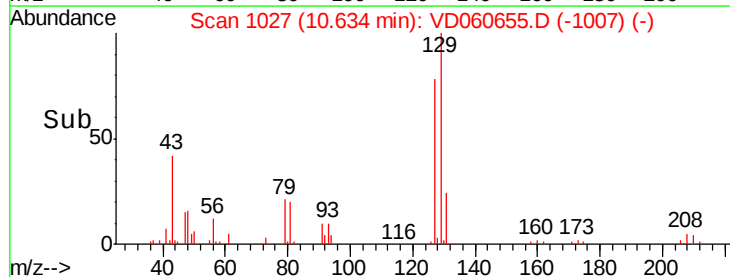
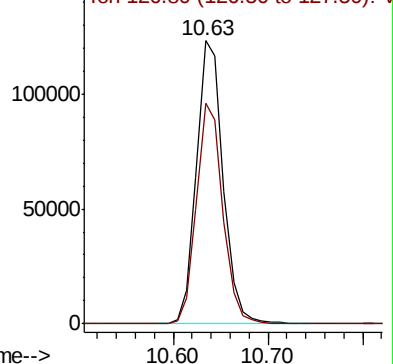
Ion Ratio Lower Upper

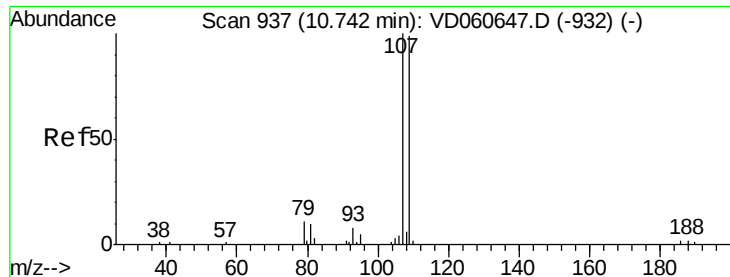
129 100

127 77.8 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): VD060647.D (-920) (-)

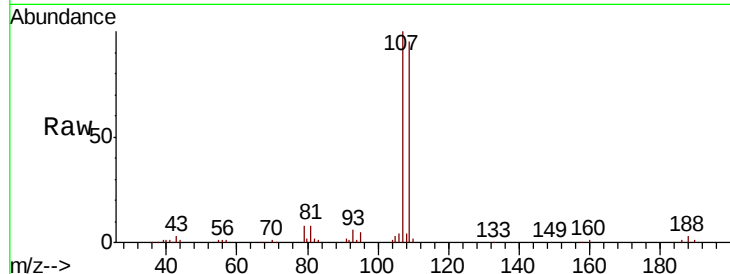




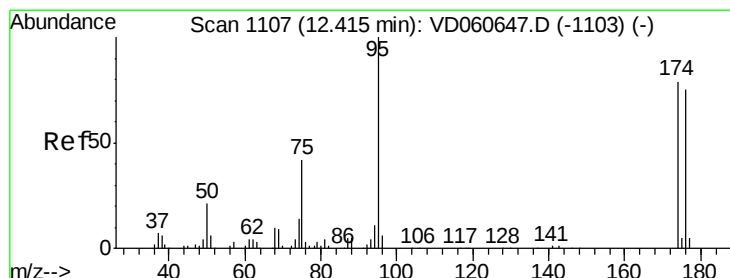
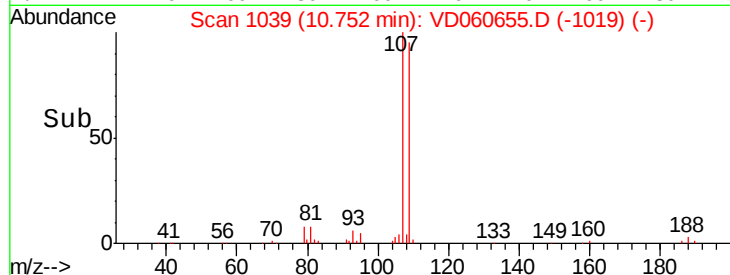
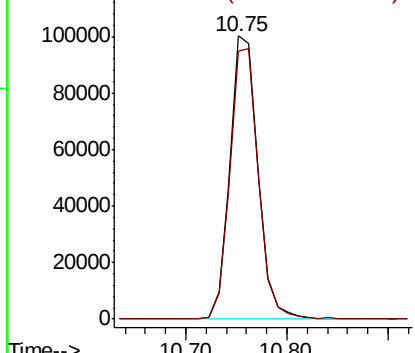
#61
 1,2-Dibromoethane
 Concen: 18.626 ug/l
 RT: 10.75 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 107 Resp: 191798
 Ion Ratio Lower Upper
 107 100
 109 94.7 78.0 117.0

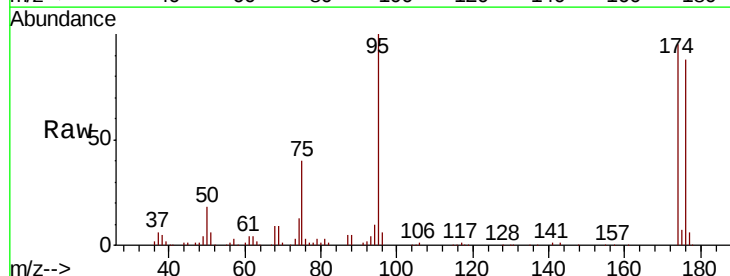


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

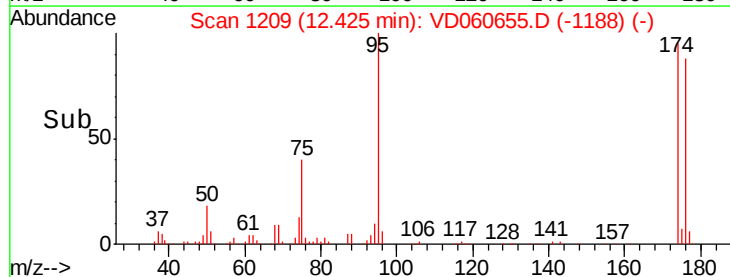
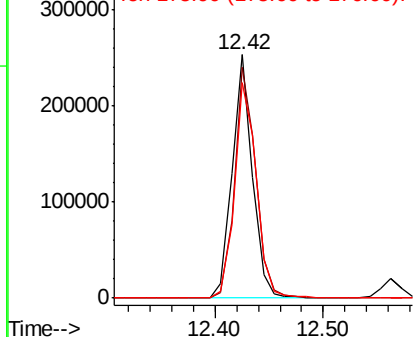


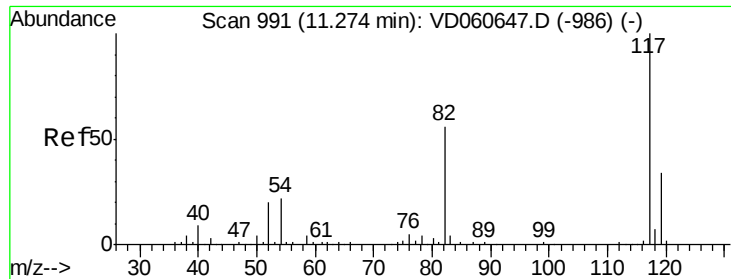
#62
 4-Bromofluorobenzene
 Concen: 18.626 ug/l
 RT: 12.42 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion: 95 Resp: 329502
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 158.2
 176 88.5 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

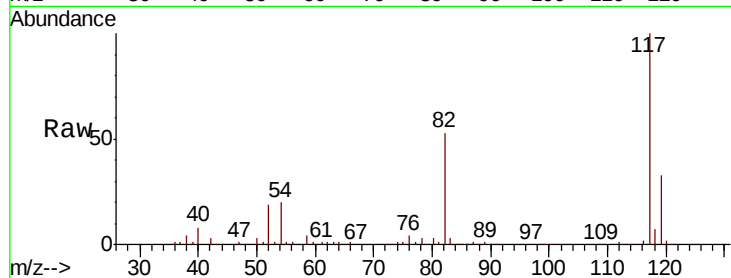




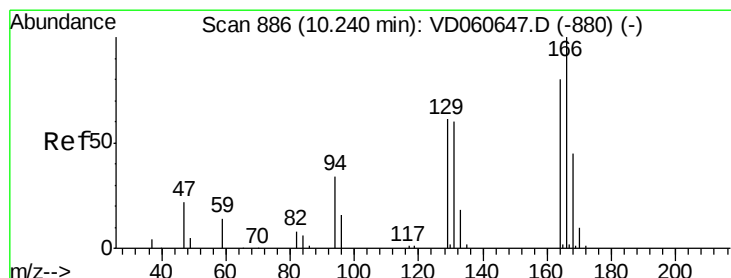
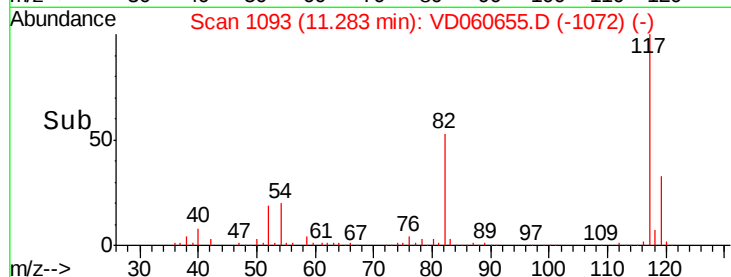
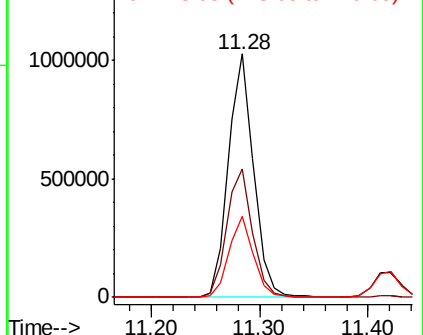
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tgt Ion:117 Resp: 1668513
Ion Ratio Lower Upper
117 100
82 52.8 44.5 66.7
119 33.4 26.3 39.5

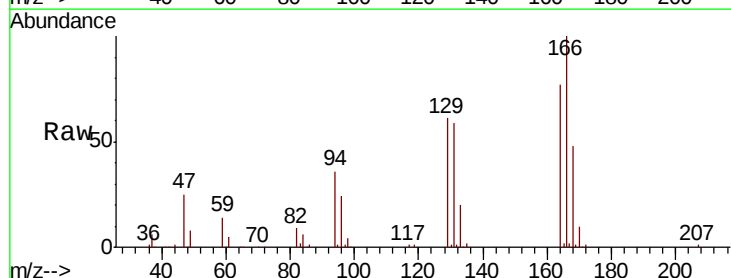


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

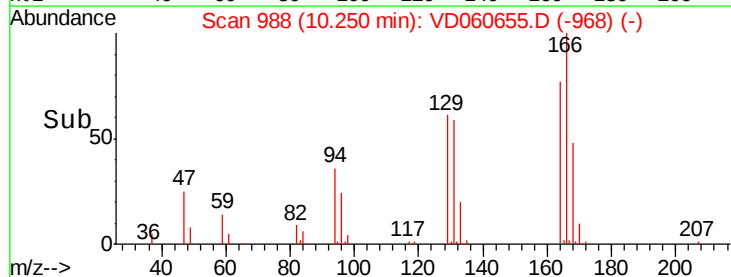
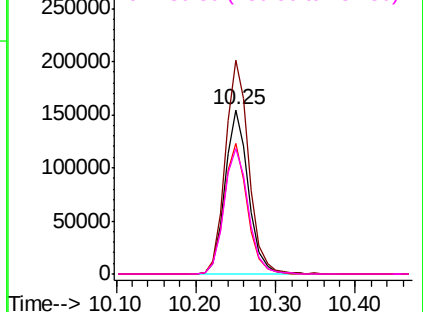


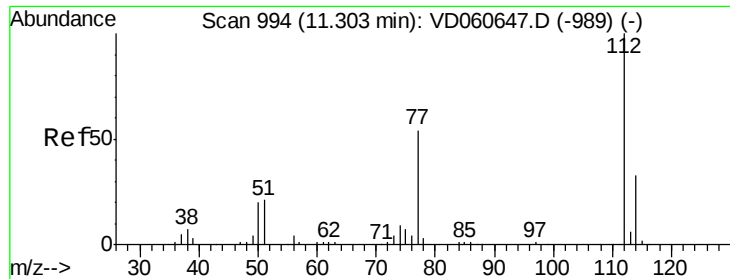
#64
Tetrachloroethene
Concen: 19.700 ug/l
RT: 10.25 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:164 Resp: 317845
Ion Ratio Lower Upper
164 100
166 129.8 104.4 156.6
129 79.0 62.7 94.1
131 76.6 61.1 91.7



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

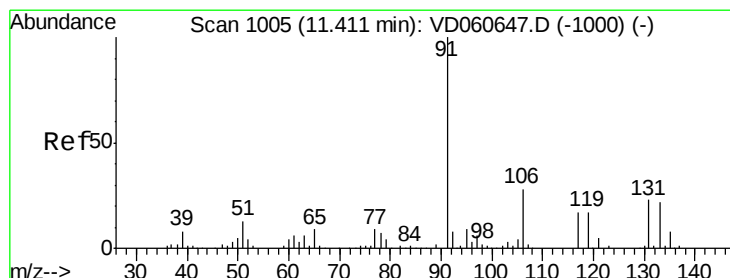
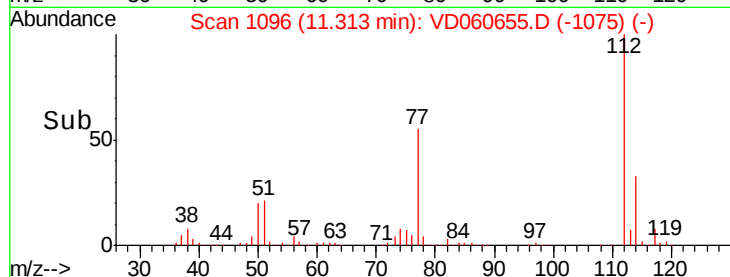
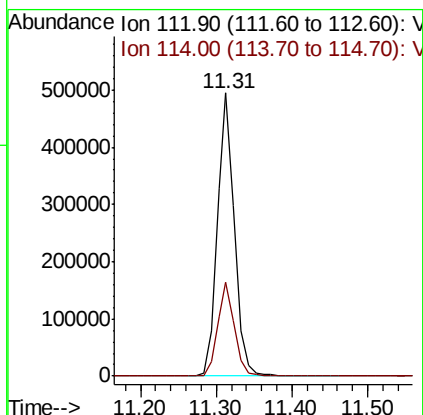
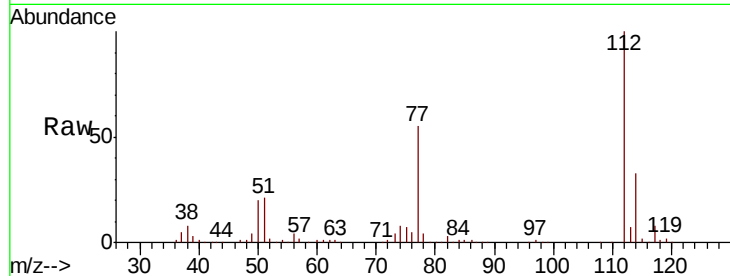




#65
Chlorobenzene
Concen: 19.874 ug/l
RT: 11.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

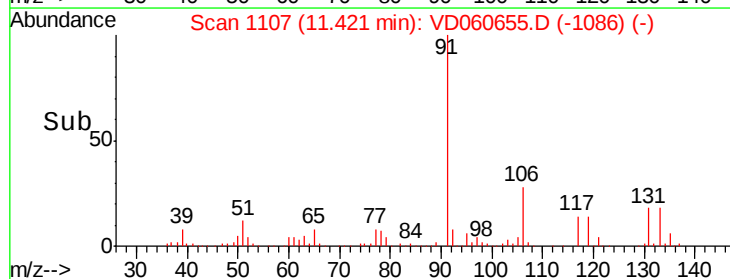
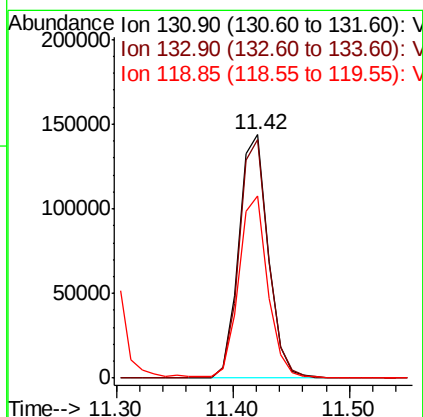
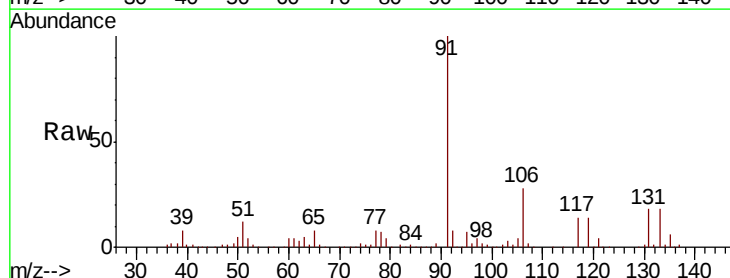
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

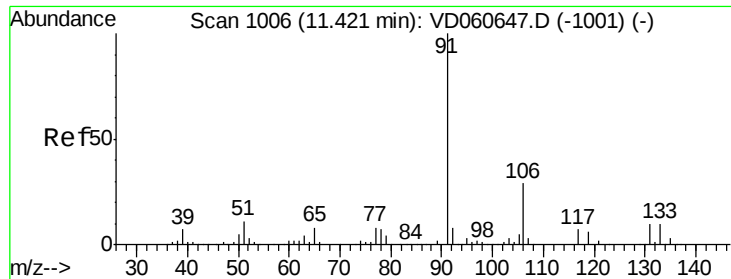
Tgt Ion:112 Resp: 779144
Ion Ratio Lower Upper
112 100
114 33.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.589 ug/l
RT: 11.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:131 Resp: 251680
Ion Ratio Lower Upper
131 100
133 97.9 49.1 147.3
119 74.6 36.6 109.8

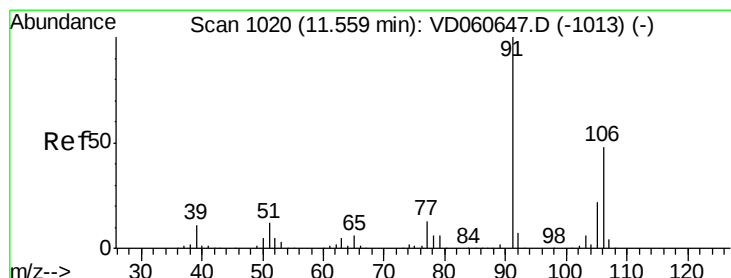
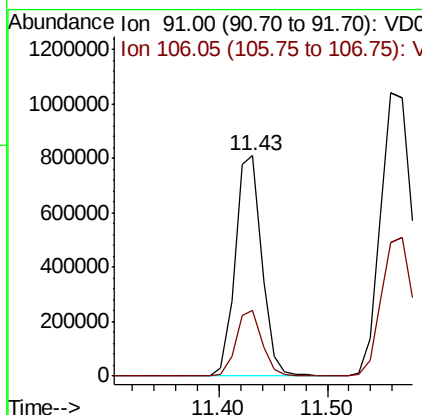
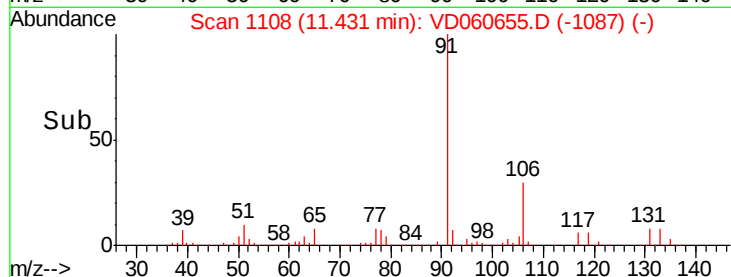
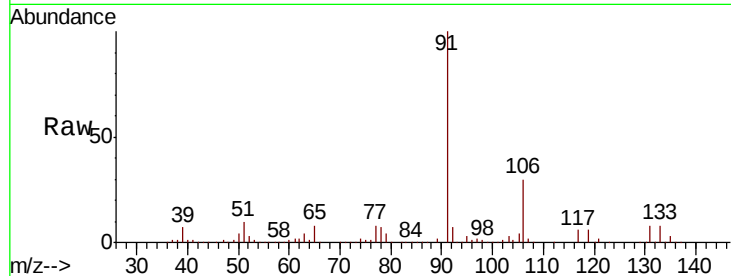




#67
Ethyl Benzene
Concen: 20.571 ug/l
RT: 11.43 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

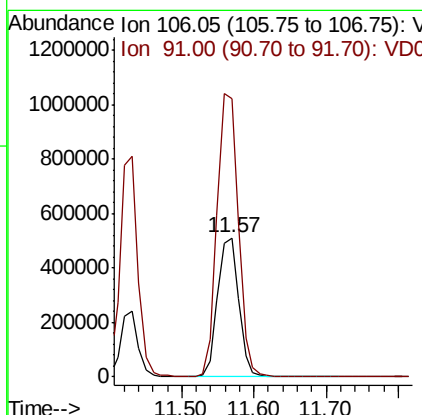
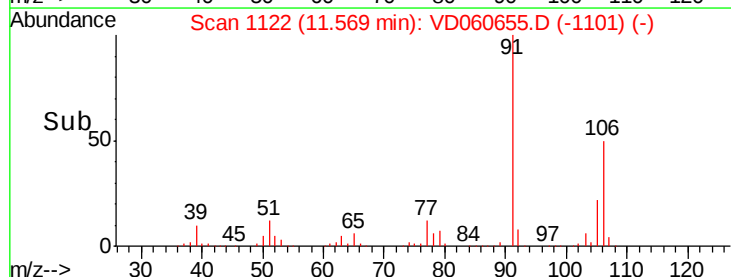
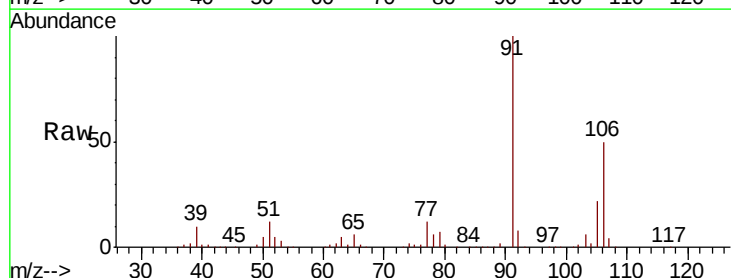
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

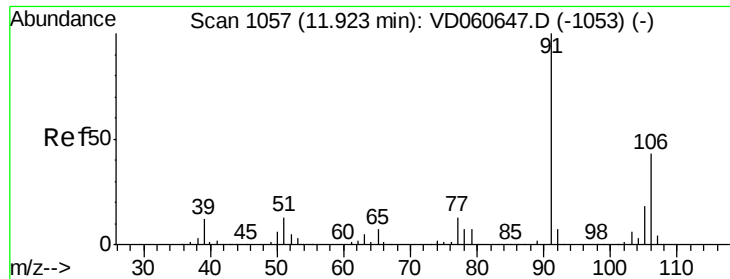
Tgt Ion: 91 Resp: 1385527
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



#68
m/p-Xylenes
Concen: 42.067 ug/l
RT: 11.57 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 106 Resp: 1029005
Ion Ratio Lower Upper
106 100
91 200.1 158.9 238.3

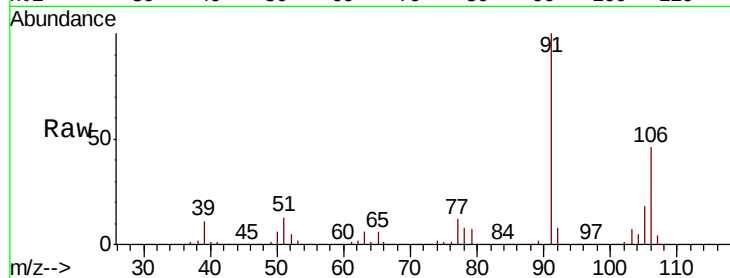




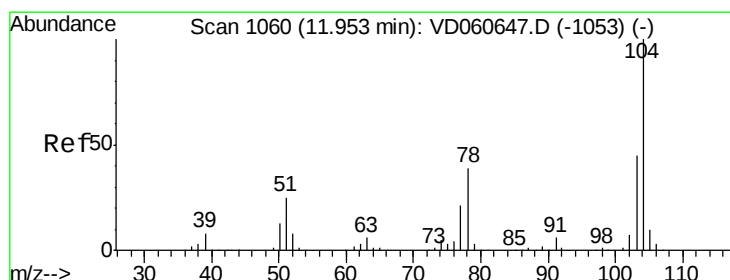
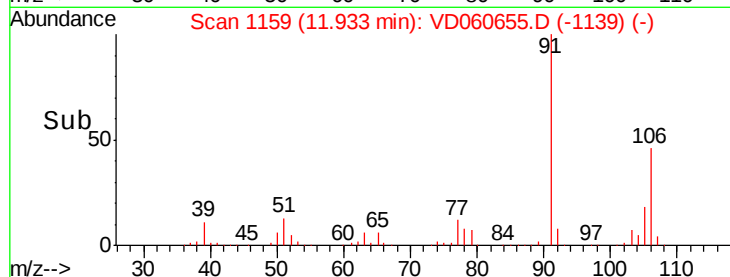
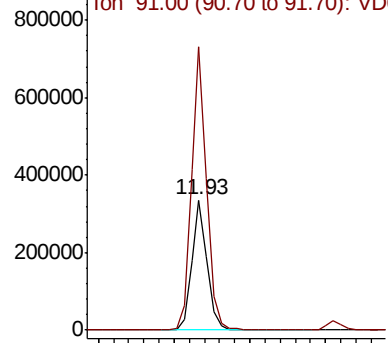
#69
o-Xylene
Concen: 19.907 ug/l
RT: 11.93 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 472054
Ion Ratio Lower Upper
106 100
91 217.4 101.5 304.5

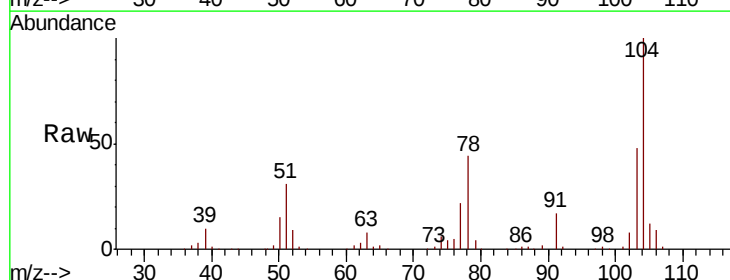


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

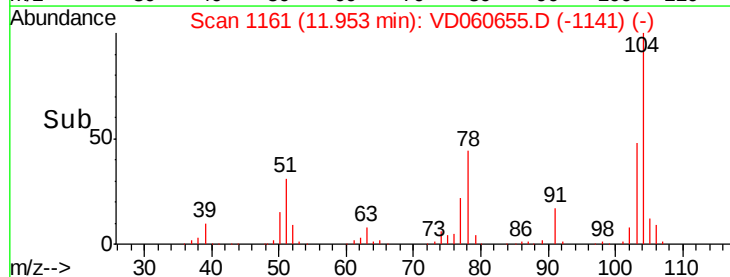
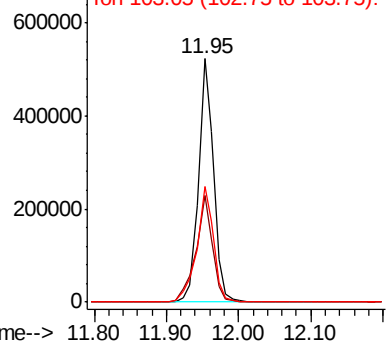


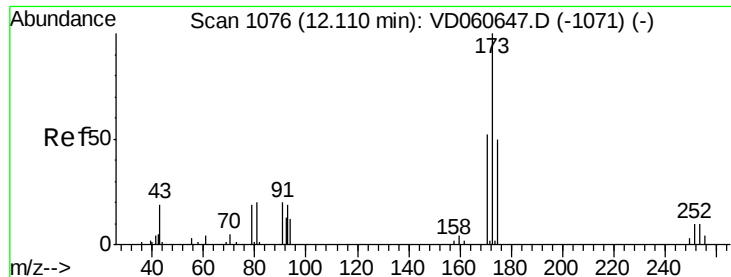
#70
Styrene
Concen: 19.543 ug/l
RT: 11.95 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:104 Resp: 747811
Ion Ratio Lower Upper
104 100
78 43.6 31.4 47.2
103 47.6 37.5 56.3



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: 17.951 ug/l

RT: 12.11 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

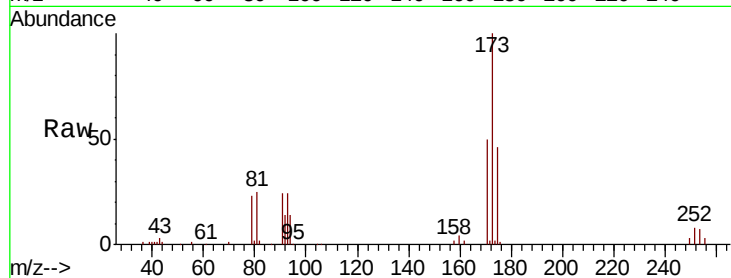
Tgt Ion:173 Resp: 155306

Ion Ratio Lower Upper

173 100

175 45.8 25.5 76.5

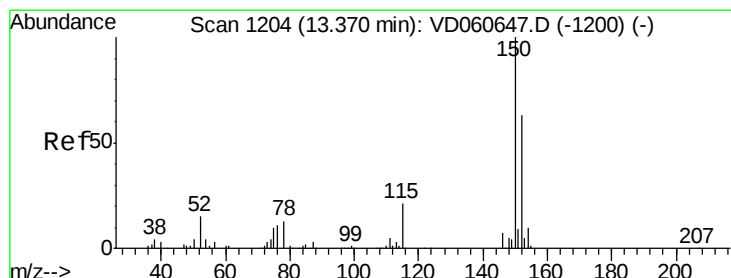
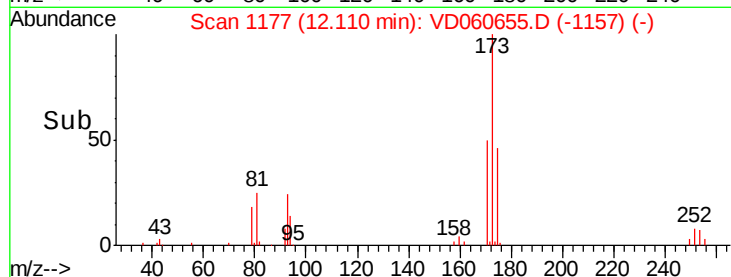
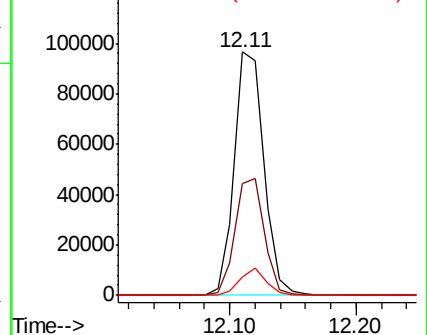
254 7.3 7.9 11.9#



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: 13.37 min Scan# 1305

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

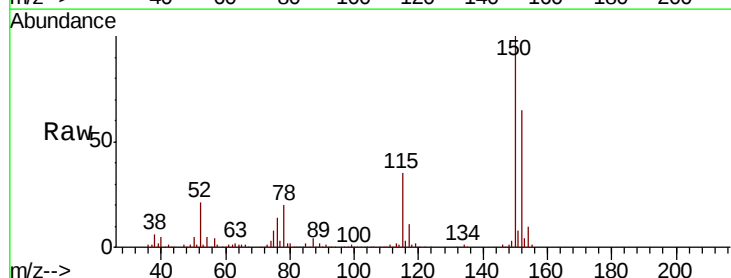
Tgt Ion:152 Resp: 852292

Ion Ratio Lower Upper

152 100

115 53.1 24.1 72.3

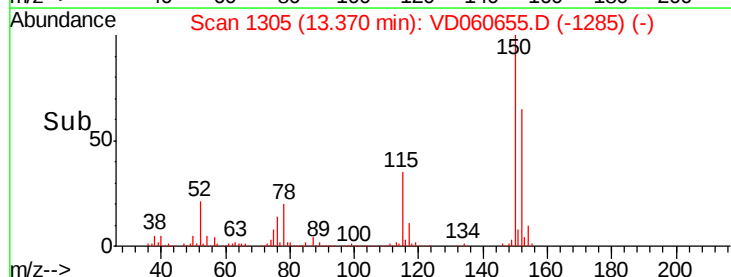
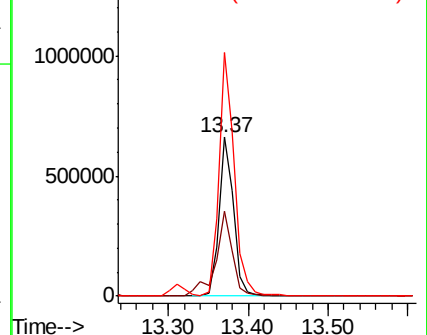
150 153.3 0.0 315.0

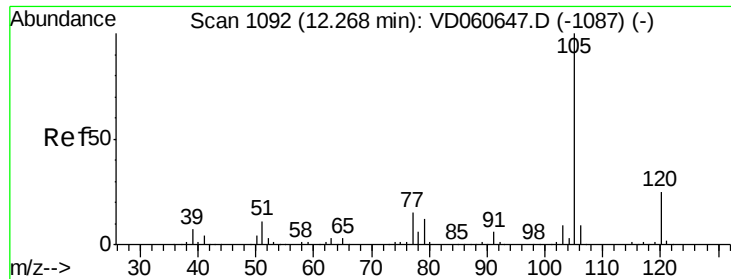


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.785 ug/l

RT: 12.28 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

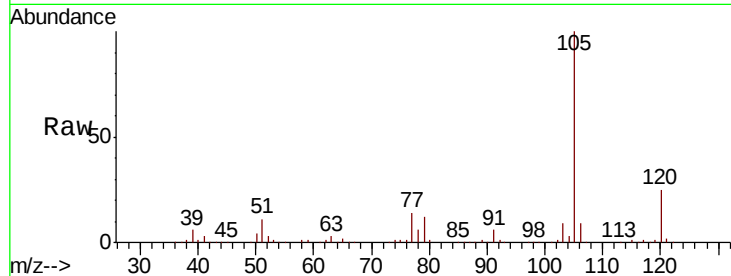
VSTDIC020

Tgt Ion:105 Resp: 1356419

Ion Ratio Lower Upper

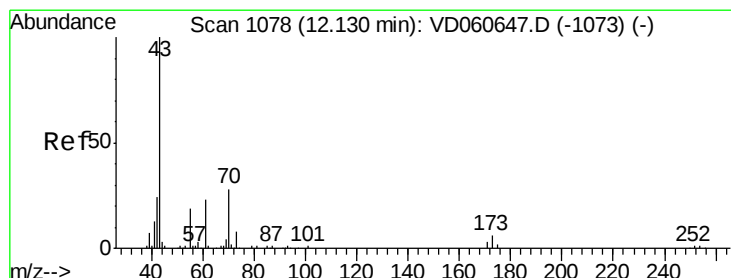
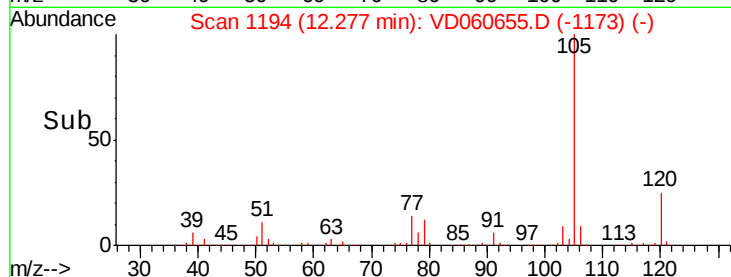
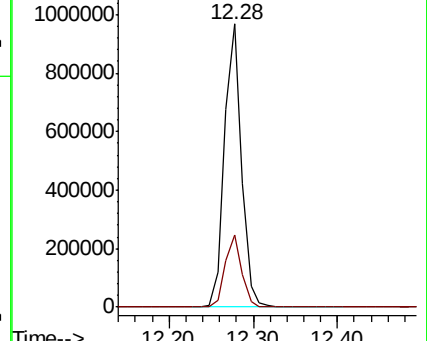
105 100

120 25.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.017 ug/l

RT: 12.13 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Tgt Ion: 43 Resp: 293979

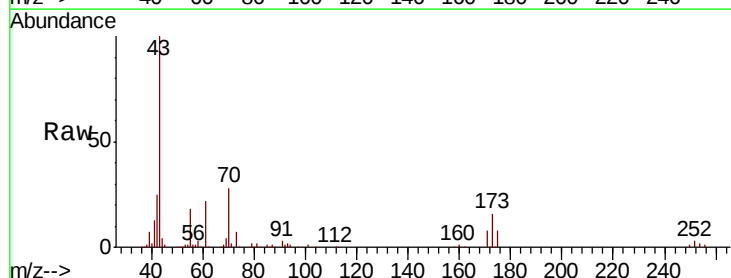
Ion Ratio Lower Upper

43 100

70 27.9 22.2 33.2

55 17.7 13.8 20.8

61 22.1 18.2 27.2

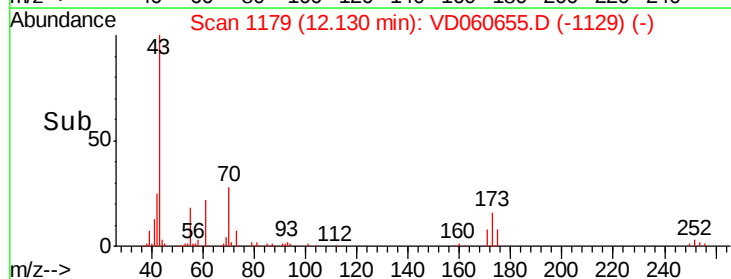
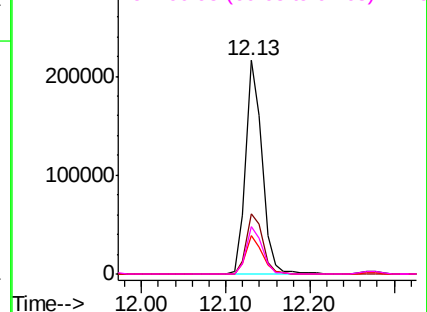


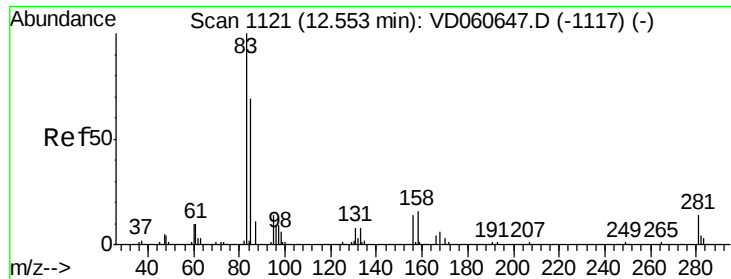
Abundance Ion 42.95 (42.65 to 43.65): V

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: 18.409 ug/l

RT: 12.56 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

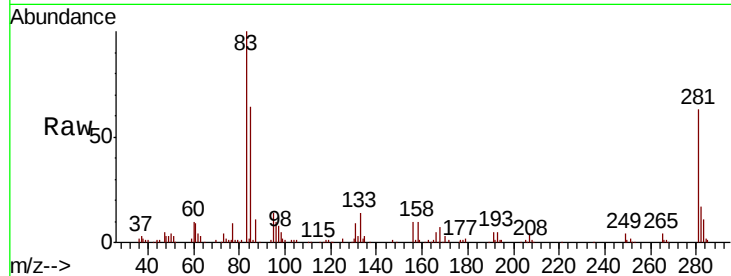
Tgt Ion: 83 Resp: 199128

Ion Ratio Lower Upper

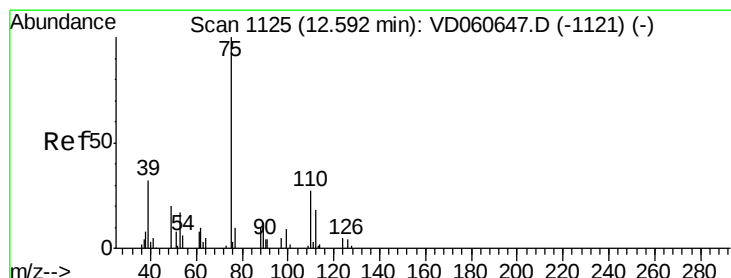
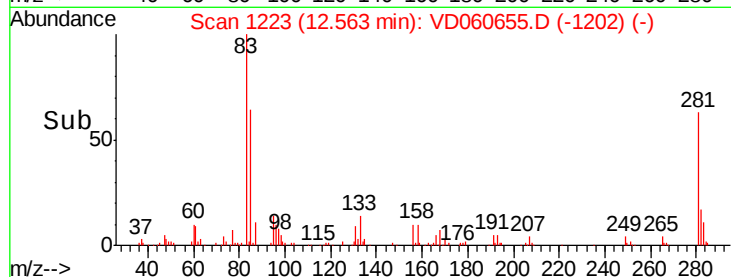
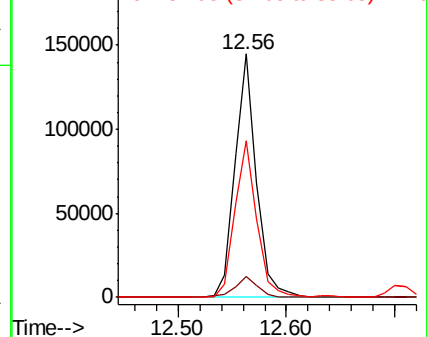
83 100

131 8.7 4.2 12.4

85 64.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.785 ug/l

RT: 12.59 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VD060655.D

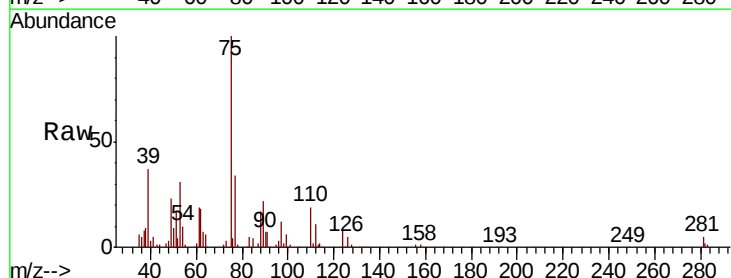
Acq: 20 Dec 2018 12:59

Tgt Ion: 75 Resp: 197253

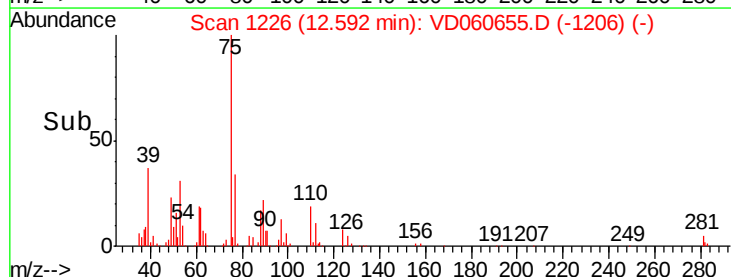
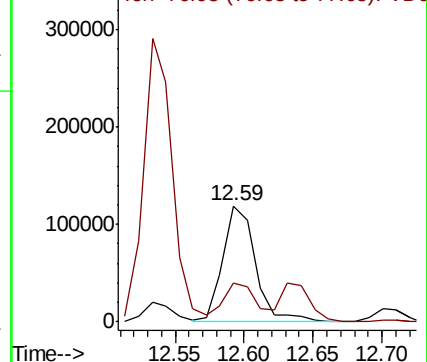
Ion Ratio Lower Upper

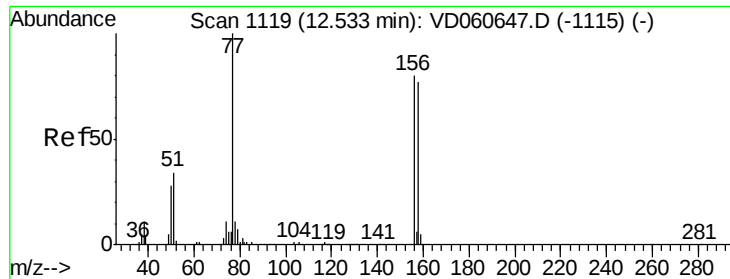
75 100

77 33.8 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

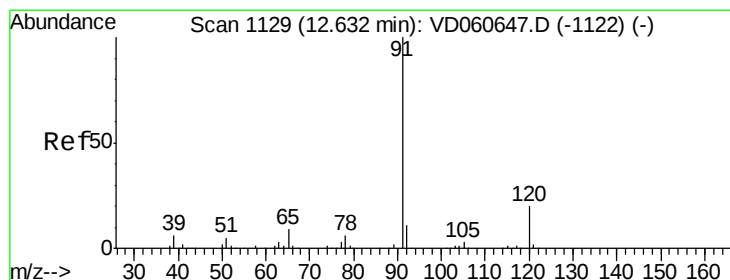
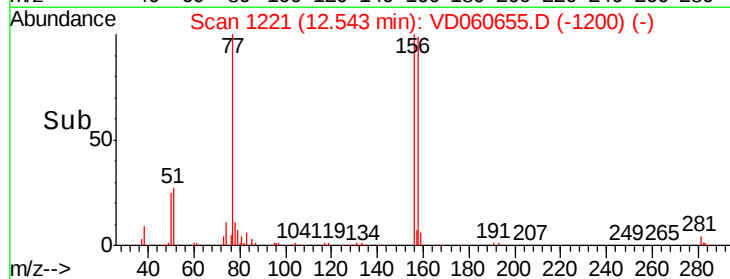
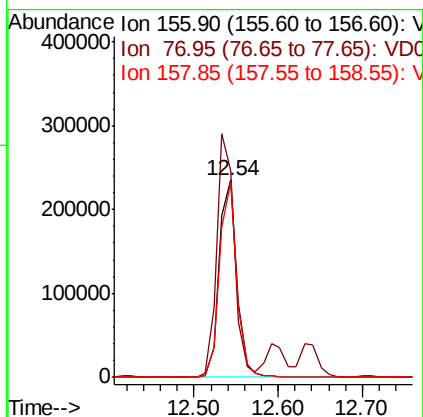
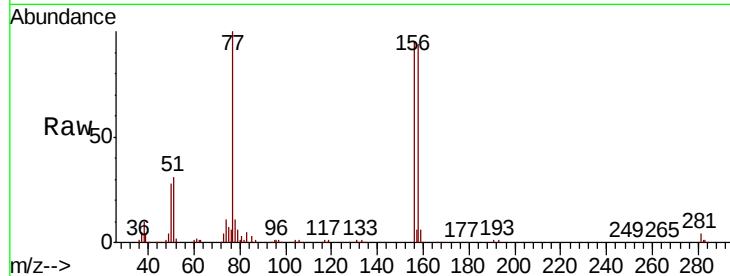




#77
Bromobenzene
Concen: 19.555 ug/l
RT: 12.54 min Scan# 1221
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

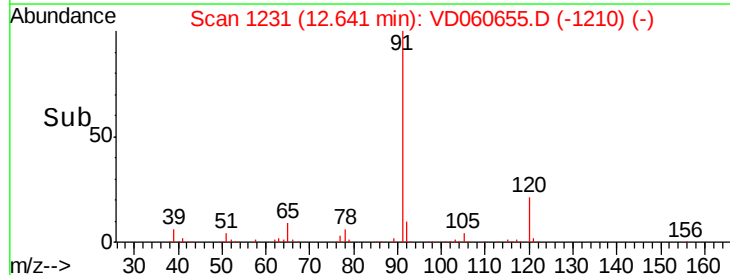
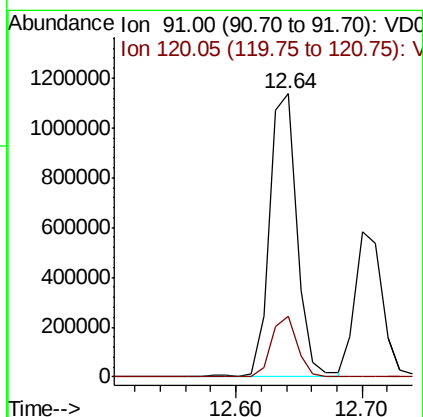
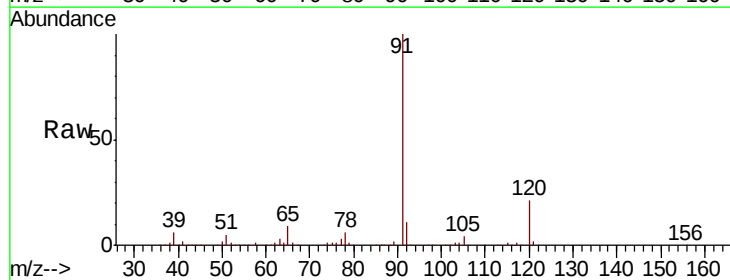
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

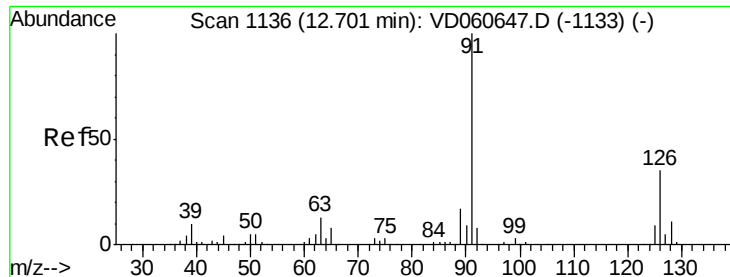
Tgt Ion: 156 Resp: 340058
Ion Ratio Lower Upper
156 100
77 104.8 61.3 183.9
158 99.0 48.9 146.6



#78
n-propylbenzene
Concen: 20.760 ug/l
RT: 12.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 91 Resp: 1726150
Ion Ratio Lower Upper
91 100
120 21.5 10.4 31.2





#79

2-Chlorotoluene

Concen: 19.346 ug/l

RT: 12.70 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

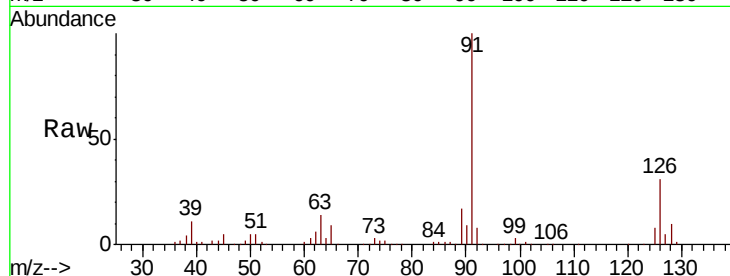
VSTDIC020

Tgt Ion: 91 Resp: 872172

Ion Ratio Lower Upper

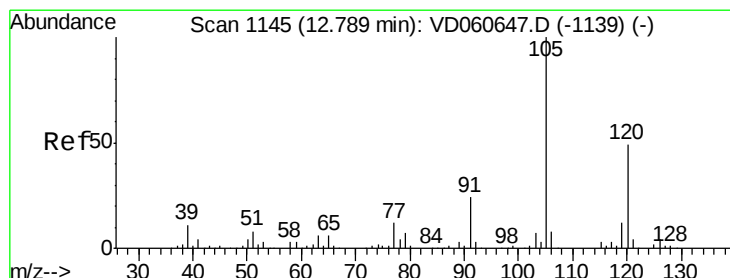
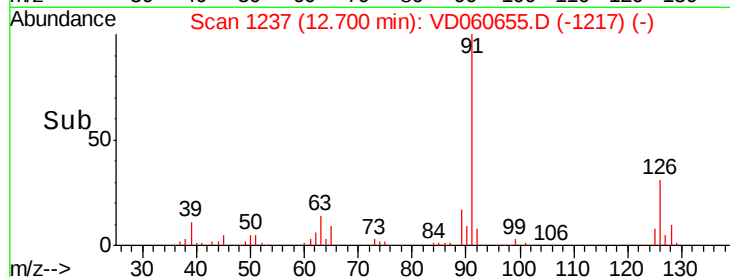
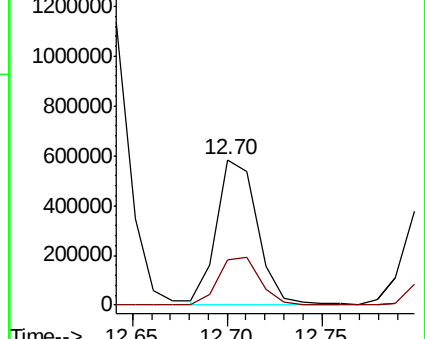
91 100

126 31.3 17.2 51.5



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: 20.344 ug/l

RT: 12.79 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060655.D

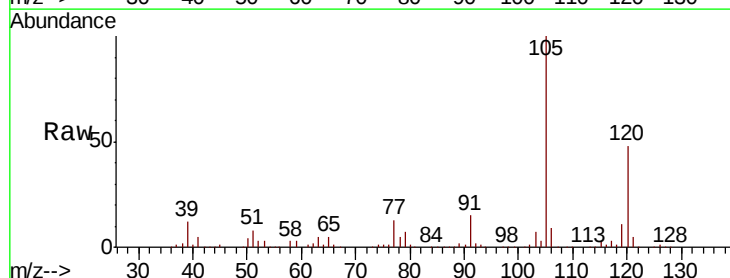
Acq: 20 Dec 2018 12:59

Tgt Ion: 105 Resp: 1021603

Ion Ratio Lower Upper

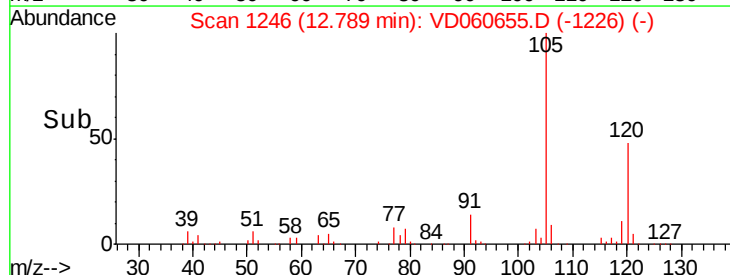
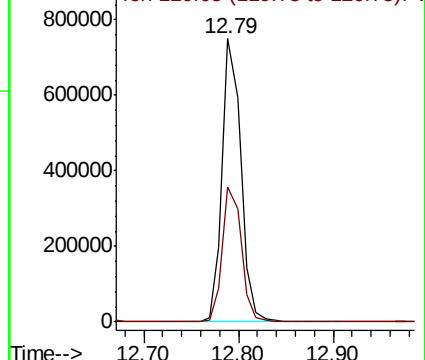
105 100

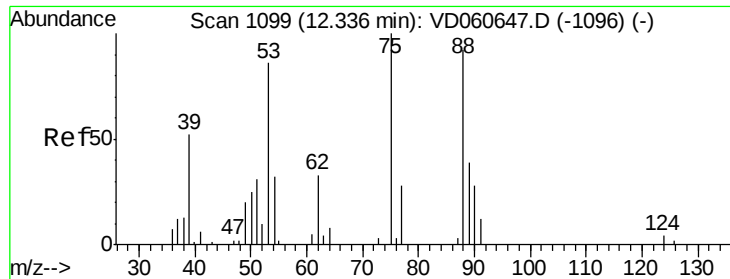
120 47.7 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

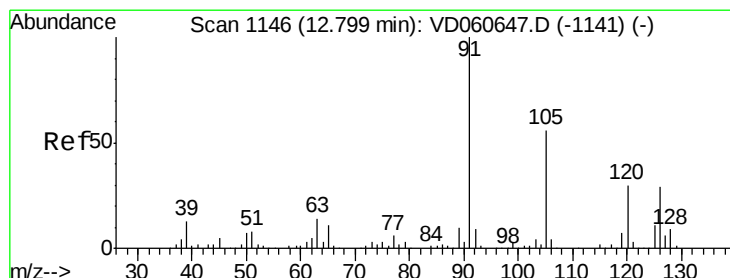
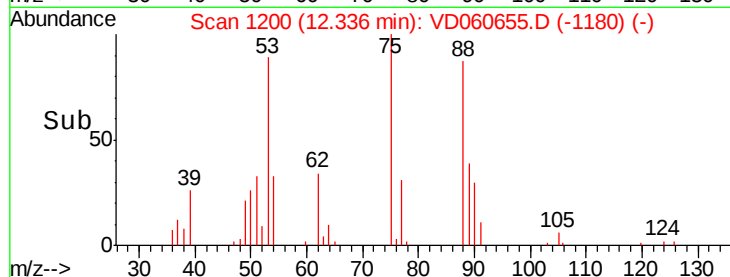
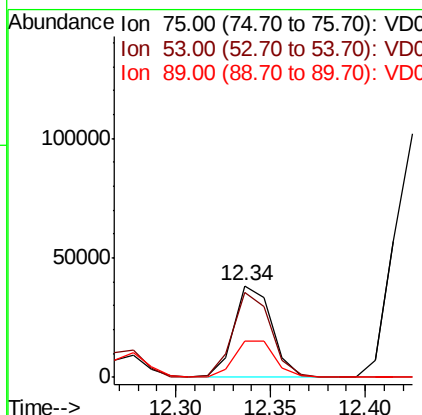
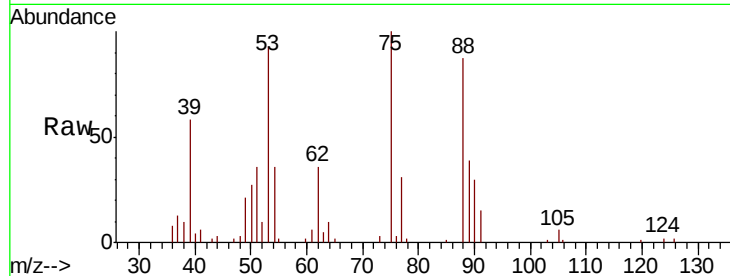




#81
trans-1,4-Dichloro-2-butene
Concen: 17.394 ug/l
RT: 12.34 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

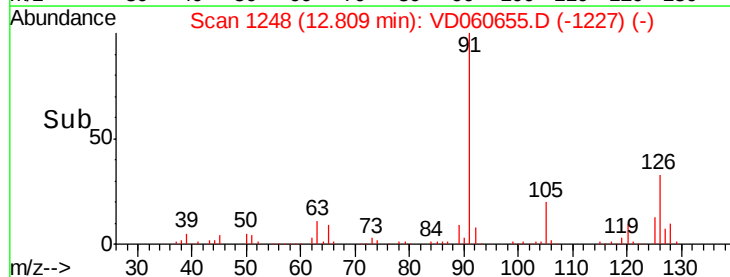
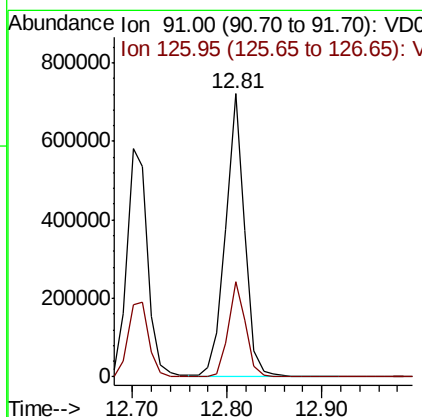
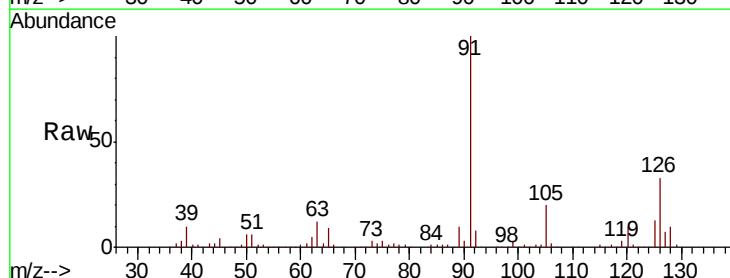
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

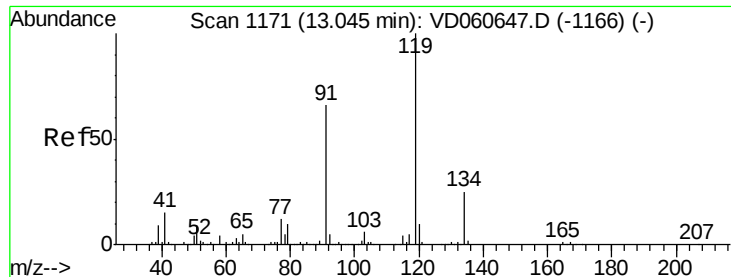
Tgt Ion: 75 Resp: 53050
Ion Ratio Lower Upper
75 100
53 92.9 72.1 108.1
89 39.3 35.1 52.7



#82
4-Chlorotoluene
Concen: 20.286 ug/l
RT: 12.81 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion: 91 Resp: 1002890
Ion Ratio Lower Upper
91 100
126 33.5 14.6 43.8

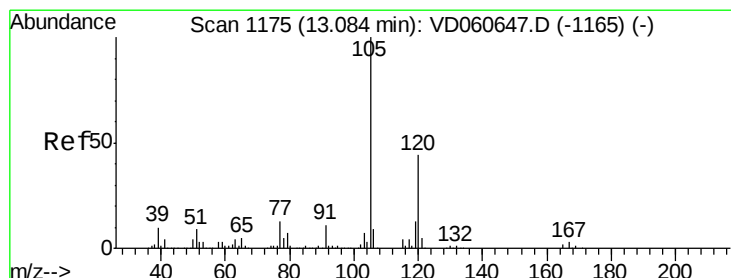
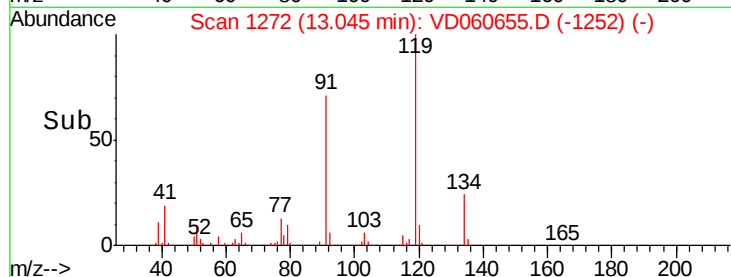
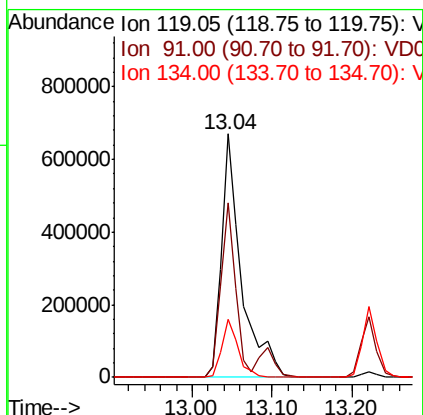
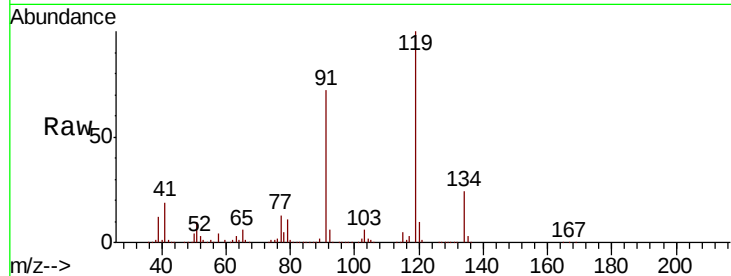




#83
 tert-Butylbenzene
 Concen: 20.589 ug/l
 RT: 13.04 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

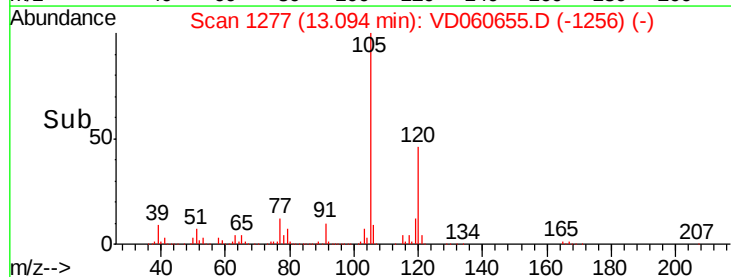
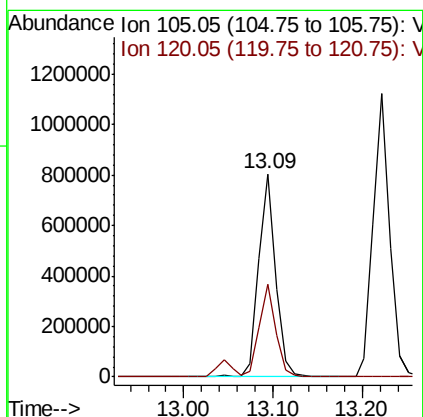
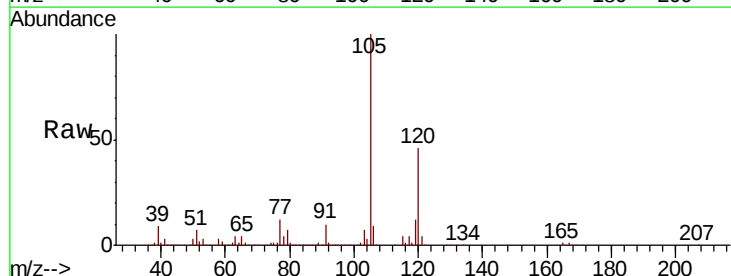
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

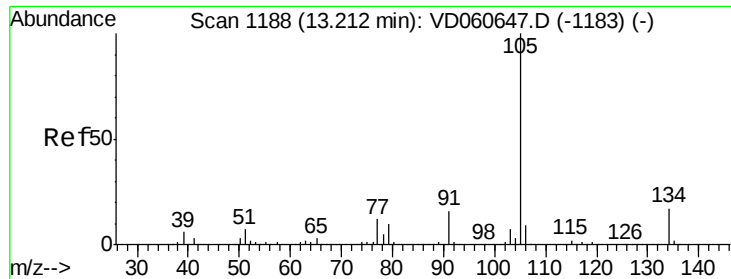
Tgt Ion:119 Resp: 1178360
 Ion Ratio Lower Upper
 119 100
 91 71.7 32.5 97.4
 134 23.9 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.034 ug/l
 RT: 13.09 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:105 Resp: 1045093
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.4 67.0

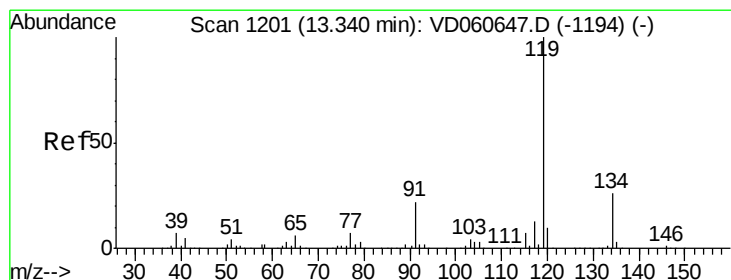
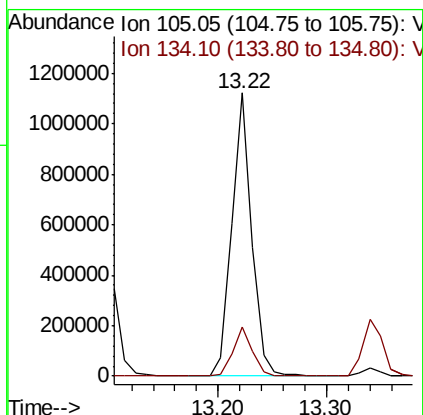
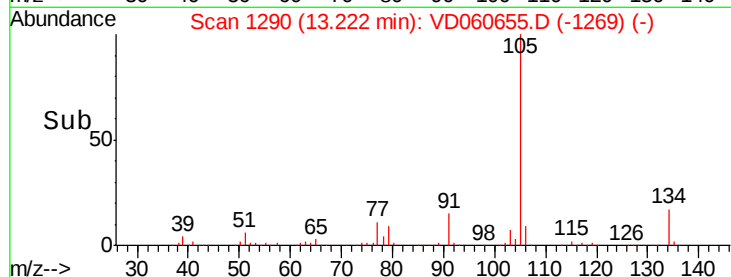
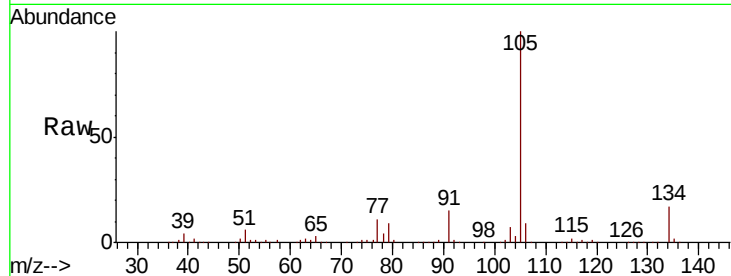




#85
 sec-Butylbenzene
 Concen: 20.075 ug/l
 RT: 13.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

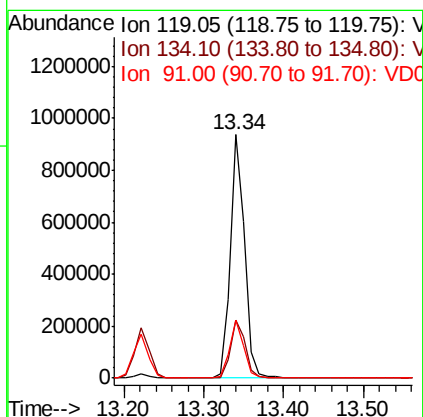
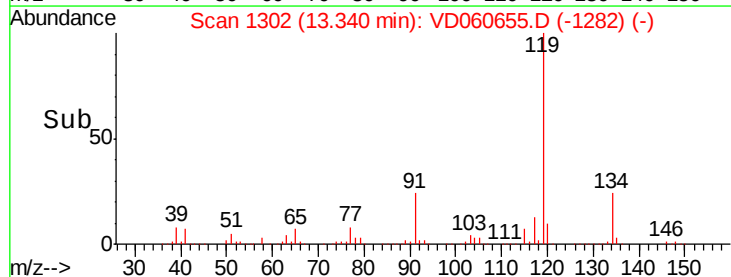
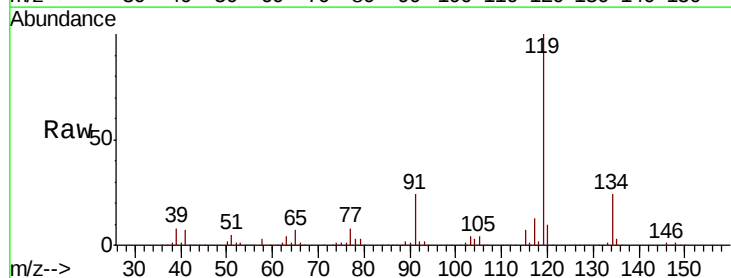
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

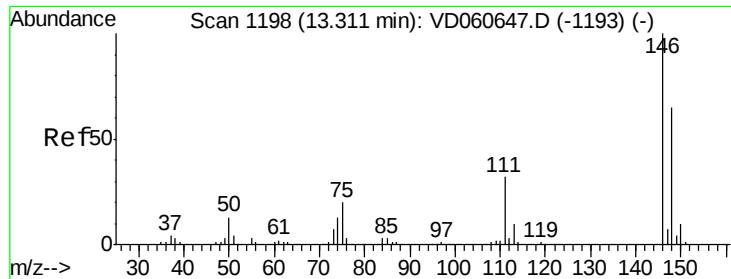
Tgt Ion:105 Resp: 1430285
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.229 ug/l
 RT: 13.34 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:119 Resp: 1182504
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.5 37.5
 91 23.9 11.4 34.2

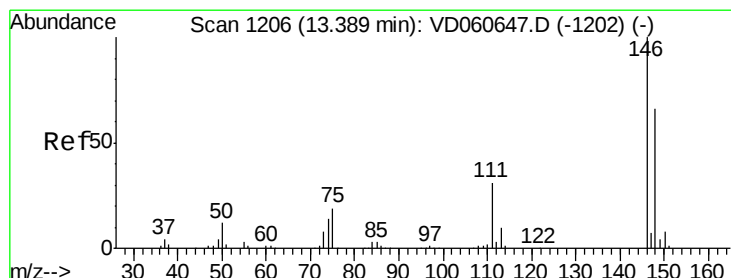
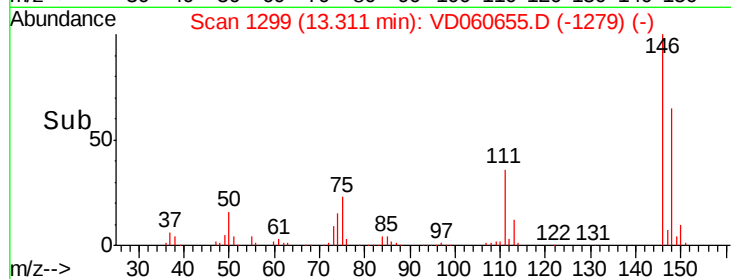
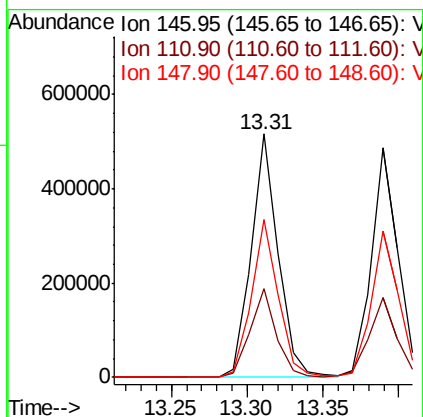
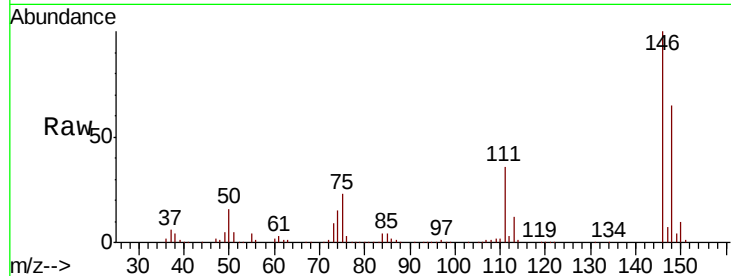




#87
 1,3-Dichlorobenzene
 Concen: 20.273 ug/l
 RT: 13.31 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

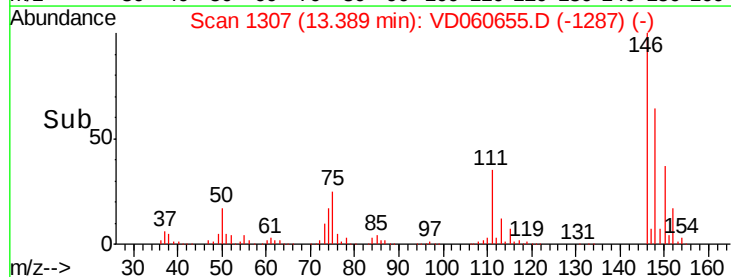
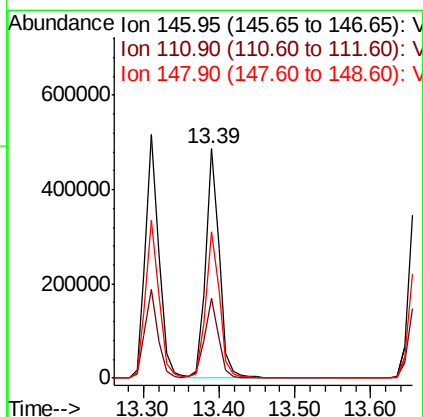
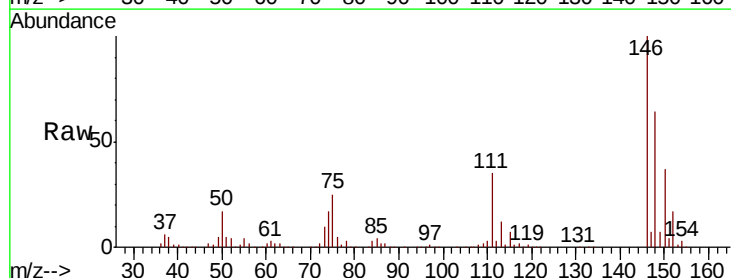
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

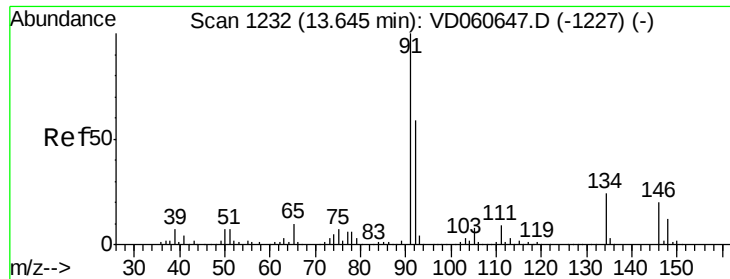
Tgt Ion:146 Resp: 640910
 Ion Ratio Lower Upper
 146 100
 111 36.2 16.6 49.8
 148 64.8 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.657 ug/l
 RT: 13.39 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:146 Resp: 613279
 Ion Ratio Lower Upper
 146 100
 111 34.8 16.2 48.5
 148 63.9 32.7 98.1





#89

n-Butylbenzene

Concen: 21.206 ug/l

RT: 13.65 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

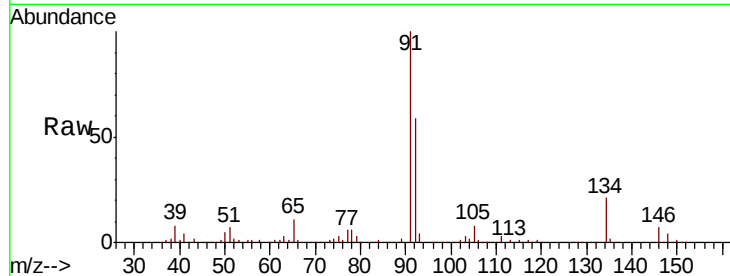
Tgt Ion: 91 Resp: 1206716

Ion Ratio Lower Upper

91 100

92 59.2 29.7 89.1

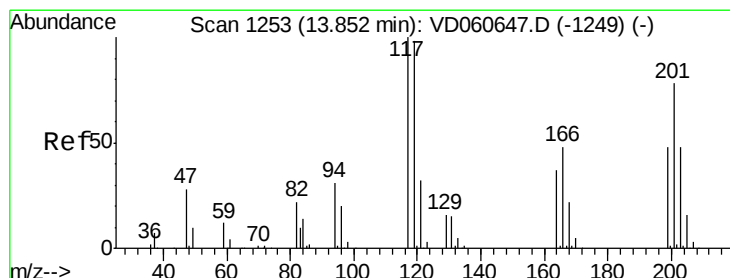
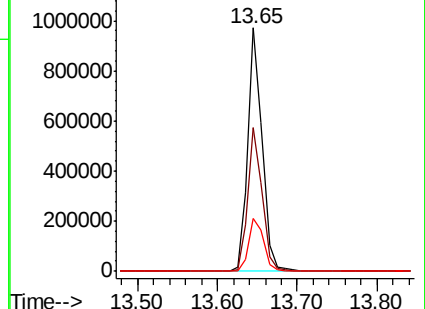
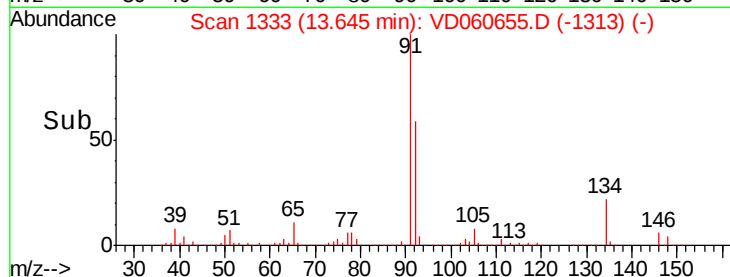
134 21.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.783 ug/l

RT: 13.86 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VD060655.D

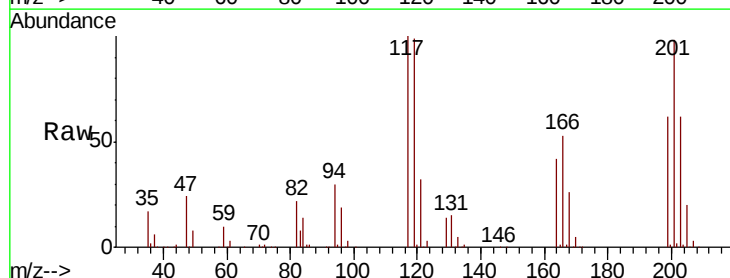
Acq: 20 Dec 2018 12:59

Tgt Ion: 117 Resp: 280035

Ion Ratio Lower Upper

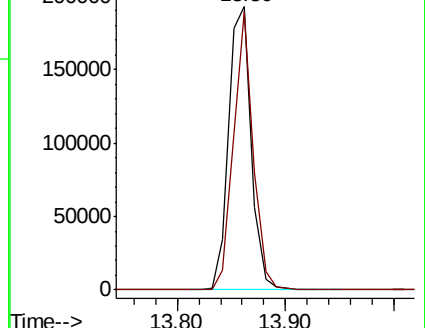
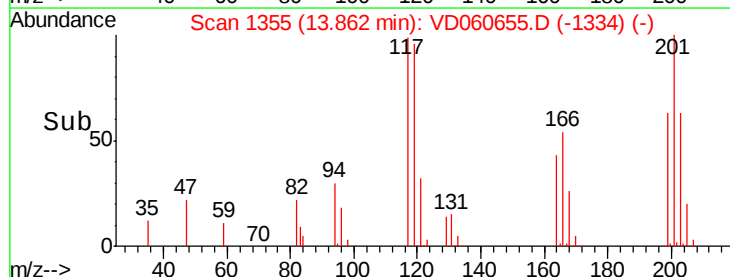
117 100

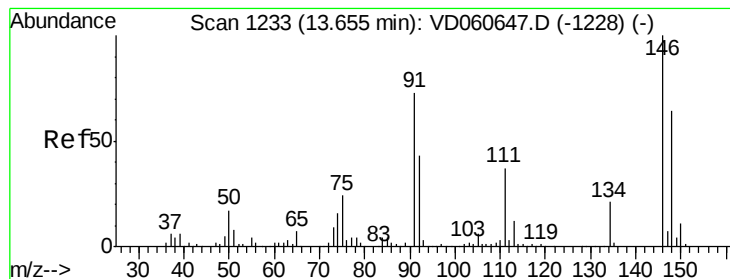
201 98.5 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 20.663 ug/l

RT: 13.66 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

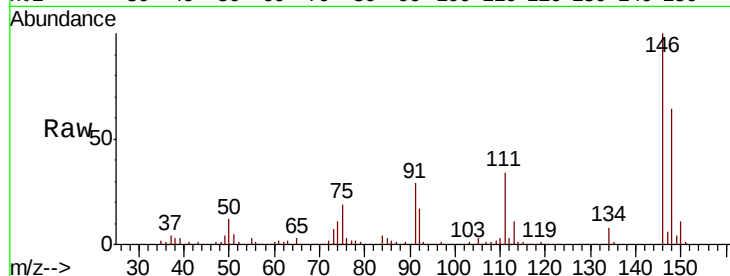
Tgt Ion:146 Resp: 518713

Ion Ratio Lower Upper

146 100

111 33.9 19.3 57.9

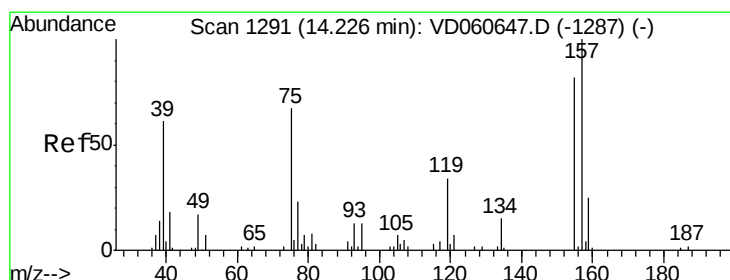
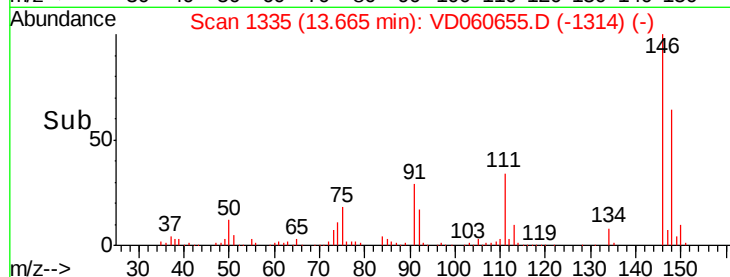
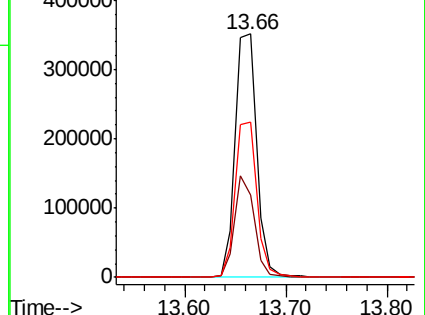
148 63.9 31.9 95.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.875 ug/l

RT: 14.23 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VD060655.D

Acq: 20 Dec 2018 12:59

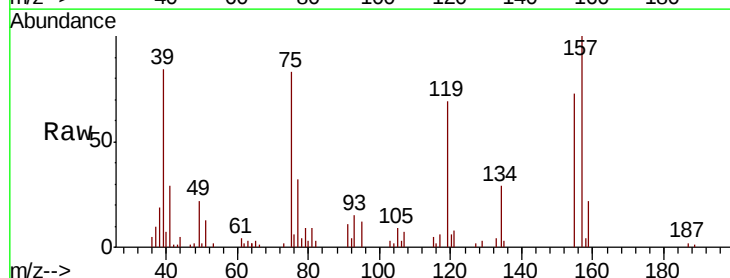
Tgt Ion: 75 Resp: 22844

Ion Ratio Lower Upper

75 100

155 87.5 41.1 123.4

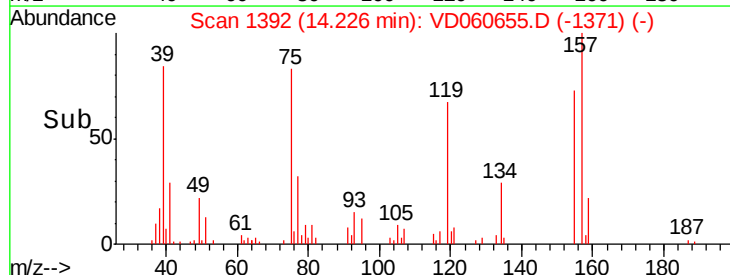
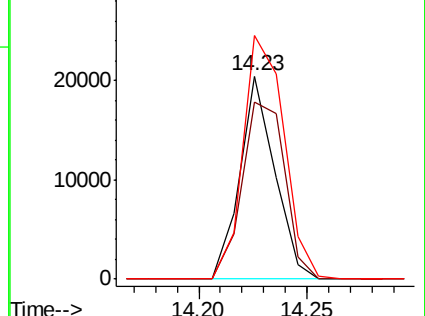
157 120.0 52.5 157.6

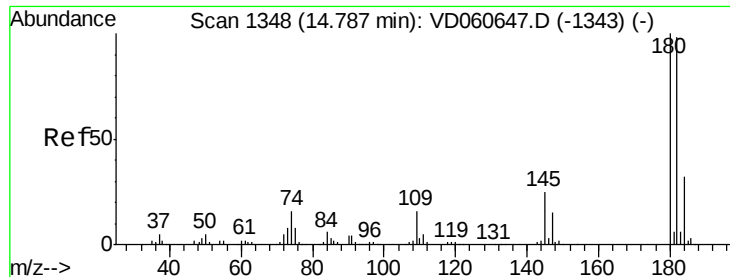


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

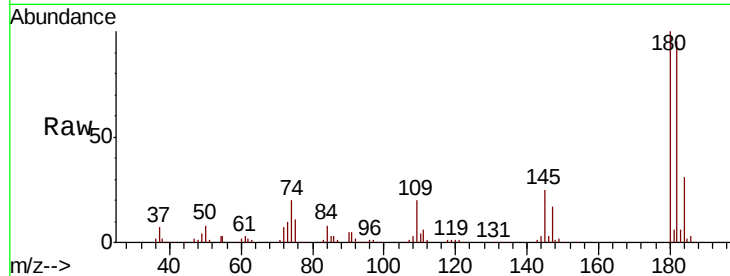




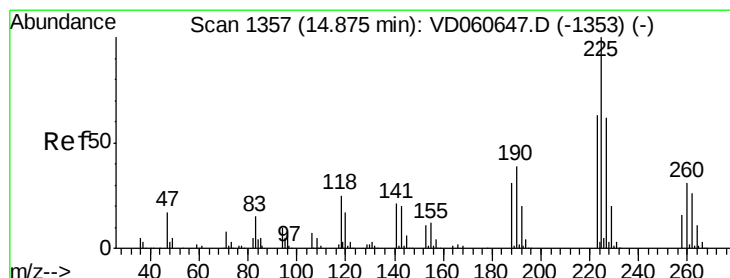
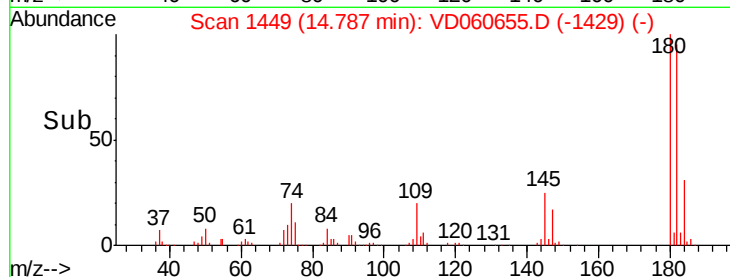
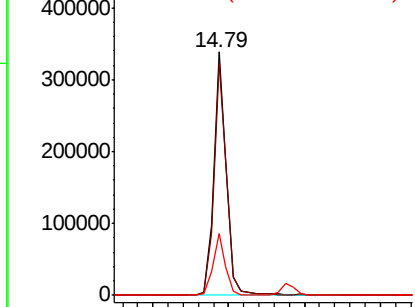
#93
 1,2,4-Trichlorobenzene
 Concen: 19.329 ug/l
 RT: 14.79 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 401911
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.8 146.4
 145 25.4 11.8 35.3

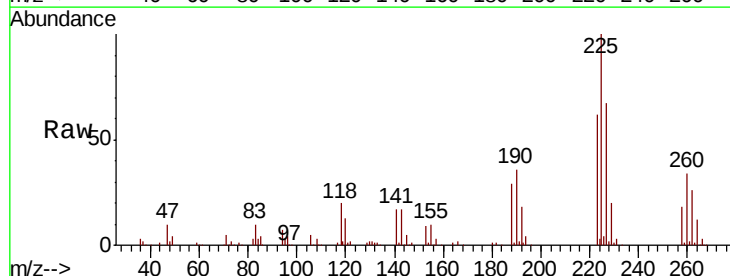


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

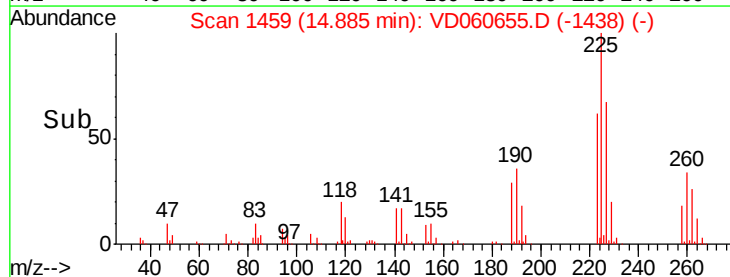
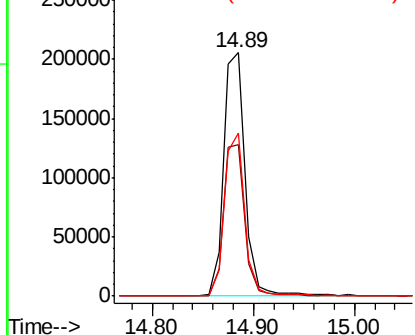


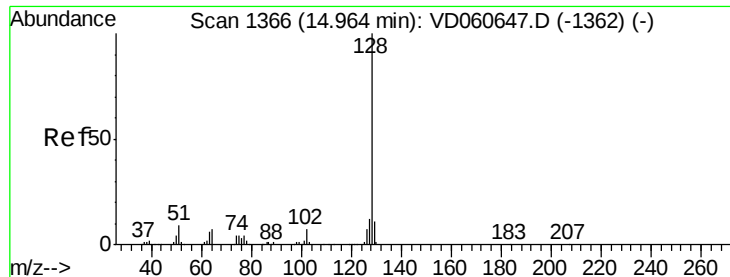
#94
 Hexachlorobutadiene
 Concen: 20.259 ug/l
 RT: 14.89 min Scan# 1459
 Delta R.T. 0.00 min
 Lab File: VD060655.D
 Acq: 20 Dec 2018 12:59

Tgt Ion:225 Resp: 303221
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.3 93.8
 227 66.9 32.5 97.4



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

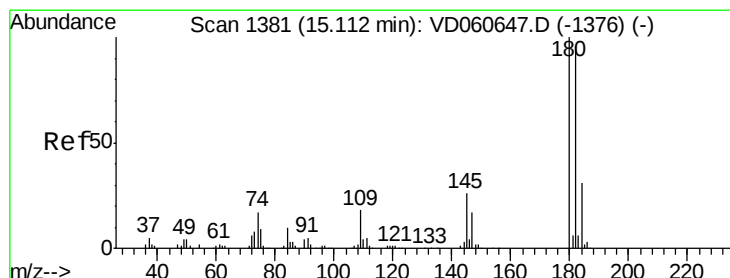
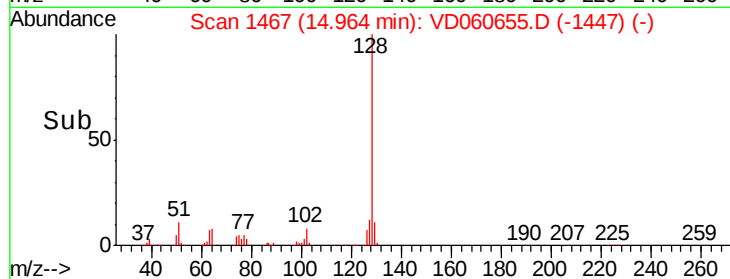
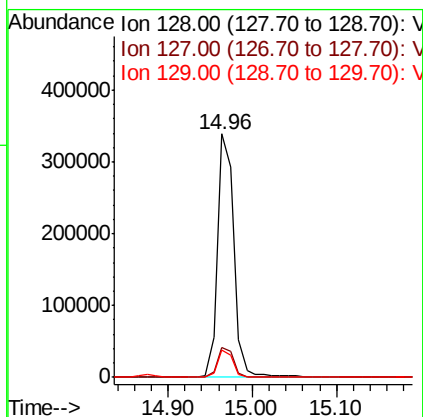
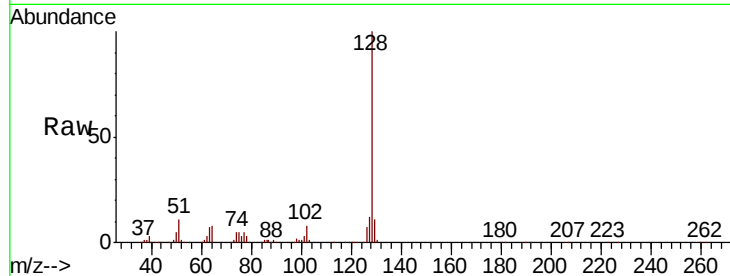




#95
Naphthalene
Concen: 18.014 ug/l
RT: 14.96 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 456001
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.307 ug/l
RT: 15.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VD060655.D
Acq: 20 Dec 2018 12:59

Tgt Ion:180 Resp: 299576
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.9
145 23.4 12.6 37.8

