

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122618\
 Data File : VD060709.D
 Acq On : 26 Dec 2018 10:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 27 01:48:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1725618	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2320778	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1925355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	981275	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	614721	51.55	ug/l	-0.03
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	6.31	113	949844	55.92	ug/l	-0.02
Spiked Amount			Recovery	=	111.84%	
50) Toluene-d8	9.43	98	2667422	52.63	ug/l	-0.03
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.41	95	959757	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	1073197	48.673	ug/l	100
3) Chloromethane	1.78	50	876311	43.185	ug/l	99
4) Vinyl Chloride	1.87	62	746961	46.364	ug/l	98
5) Bromomethane	2.17	94	172772	47.875	ug/l	97
6) Chloroethane	2.27	64	224121	46.614	ug/l	98
7) Trichlorofluoromethane	2.52	101	822995	45.927	ug/l	99
8) Diethyl Ether	2.84	74	143291	47.794	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	538852	46.358	ug/l	98
10) Methyl Iodide	3.25	142	597583	48.918	ug/l	98
11) Tert butyl alcohol	3.96	59	131602	264.058	ug/l	97
12) 1,1-Dichloroethene	3.08	96	433620	45.401	ug/l	99
13) Acrolein	2.98	56	124594	245.324	ug/l	94
14) Allyl chloride	3.53	41	811655	46.314	ug/l	98
15) Acrylonitrile	4.08	53	696263	240.636	ug/l	98
16) Acetone	3.16	43	595611	285.997	ug/l	97
17) Carbon Disulfide	3.32	76	1332731	43.693	ug/l	99
18) Methyl Acetate	3.55	43	233791	45.297	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	1189552	49.092	ug/l	100
20) Methylene Chloride	3.72	84	995983	46.051	ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	930896	47.593	ug/l	98
22) Diisopropyl ether	4.84	45	2951242	49.598	ug/l	96
23) Vinyl Acetate	4.79	43	6983830	242.597	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1528089	48.824	ug/l	100
25) 2-Butanone	5.60	43	1048805	263.177	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1209364	48.951	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	955067	48.101	ug/l	98
28) Bromochloromethane	5.91	49	724118	54.766	ug/l	99
29) Tetrahydrofuran	5.94	42	532283	235.608	ug/l	99
30) Chloroform	6.08	83	1529201	48.557	ug/l	100
31) Cyclohexane	6.35	56	1373835	45.613	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	1287095	49.399	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1154995	48.331	ug/l	98
37) Ethyl Acetate	5.68	43	505374	50.564	ug/l	97
38) Carbon Tetrachloride	6.49	117	1044212	49.529	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1345973	49.384	ug/l	99
40) Benzene	6.77	78	2972148	48.148	ug/l	98
41) Methacrylonitrile	5.93	41	575360	104.074	ug/l #	79
42) 1,2-Dichloroethane	6.87	62	746839	48.754	ug/l	99
43) Isopropyl Acetate	8.33	43	636202	49.603	ug/l	98
44) Trichloroethene	7.72	130	920443	50.379	ug/l	95
45) 1,2-Dichloropropane	8.08	63	753067	49.745	ug/l	100
46) Dibromomethane	8.20	93	434467	50.285	ug/l	97
47) Bromodichloromethane	8.46	83	1041235	50.882	ug/l	100
48) Methyl methacrylate	8.22	41	396382	50.883	ug/l	97
49) 1,4-Dioxane	8.21	88	74723	1031.649	ug/l	94
51) 4-Methyl-2-Pentanone	9.32	43	1933000	245.989	ug/l	99
52) Toluene	9.53	92	1870941	48.348	ug/l	97
53) t-1,3-Dichloropropene	9.89	75	881692	51.644	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	1146025	51.285	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	528866	50.794	ug/l	96
56) Ethyl methacrylate	10.01	69	498431	51.539	ug/l	99
57) 1,3-Dichloropropane	10.36	76	820493	49.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	1289302	226.260	ug/l	98
59) 2-Hexanone	10.46	43	1494474	271.705	ug/l	98
60) Dibromochloromethane	10.62	129	693760	52.311	ug/l	97
61) 1,2-Dibromoethane	10.74	107	557098	51.585	ug/l	94
64) Tetrachloroethene	10.23	164	841345	48.213	ug/l	99
65) Chlorobenzene	11.30	112	2029918	47.720	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	683929	50.005	ug/l	97
67) Ethyl Benzene	11.41	91	3434104	47.139	ug/l	99
68) m/p-Xylenes	11.54	106	2415416	90.725	ug/l	100
69) o-Xylene	11.92	106	1207470	47.804	ug/l	94
70) Styrene	11.94	104	1943428	47.773	ug/l	98
71) Bromoform	12.10	173	460125	50.965	ug/l	97
73) Isopropylbenzene	12.26	105	3308553	47.356	ug/l	99
74) N-amyl acetate	12.12	43	828738	50.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	557607	49.239	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	554234	49.611	ug/l	100
77) Bromobenzene	12.53	156	900207	48.804	ug/l	90
78) n-propylbenzene	12.63	91	4234911	47.414	ug/l	98
79) 2-Chlorotoluene	12.69	91	2315466	48.400	ug/l	94
80) 1,3,5-Trimethylbenzene	12.77	105	2607149	48.326	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.32	75	160116	51.868	ug/l	97
82) 4-Chlorotoluene	12.79	91	2489830	45.918	ug/l	93
83) tert-Butylbenzene	13.03	119	2848432	46.393	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	2629454	47.323	ug/l	100
85) sec-Butylbenzene	13.21	105	3609041	48.200	ug/l	98
86) p-Isopropyltoluene	13.33	119	2888000	47.782	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1604845	47.396	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1567508	46.979	ug/l	96
89) n-Butylbenzene	13.63	91	2888793	46.771	ug/l	97
90) Hexachloroethane	13.85	117	761462	51.283	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	1257883	46.310	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	66676	50.117	ug/l	77

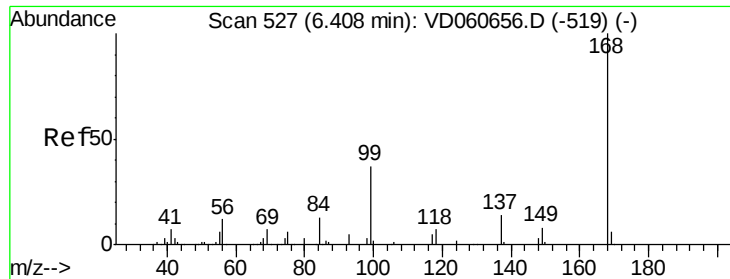
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	1047883	48.483	ug/l	96
94) Hexachlorobutadiene	14.87	225	772744	48.370	ug/l	100
95) Naphthalene	14.96	128	1255450	48.873	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	835440	49.447	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 525

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

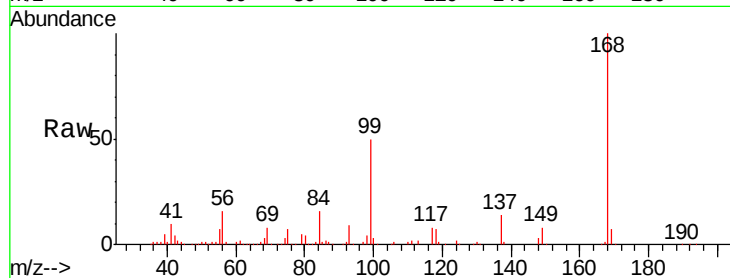
VSTDCCC050

Tgt Ion:168 Resp: 1725618

Ion Ratio Lower Upper

168 100

99 49.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

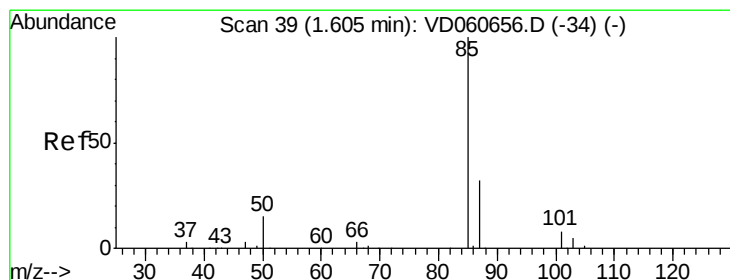
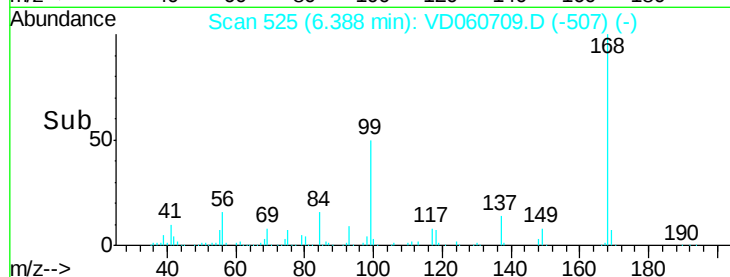
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.673 ug/l

RT: 1.61 min Scan# 39

Delta R.T. -0.00 min

Lab File: VD060709.D

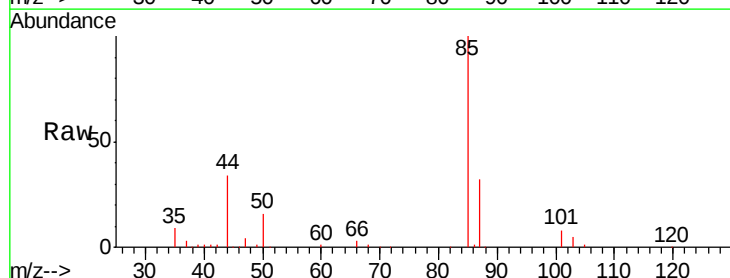
Acq: 26 Dec 2018 10:28

Tgt Ion: 85 Resp: 1073197

Ion Ratio Lower Upper

85 100

87 32.0 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

400000

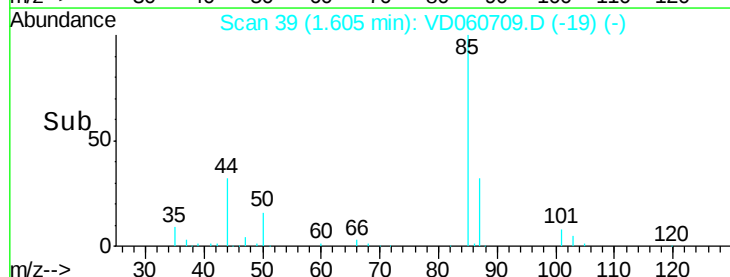
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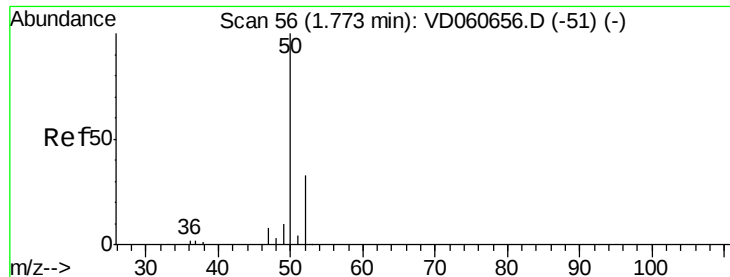
200000

100000

0

Time-->





#3

Chloromethane

Concen: 43.185 ug/l

RT: 1.78 min Scan# 57

Delta R.T. 0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

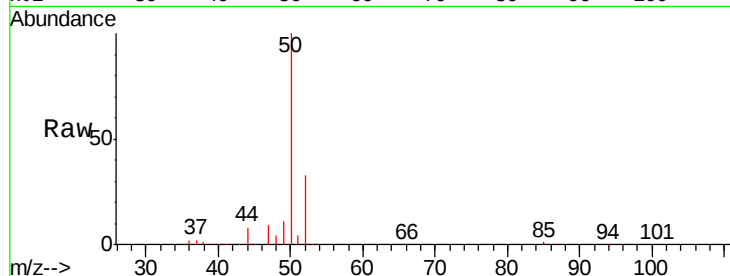
VSTDCCC050

Tgt Ion: 50 Resp: 876311

Ion Ratio Lower Upper

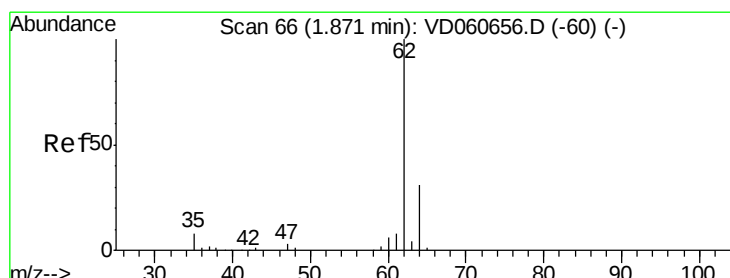
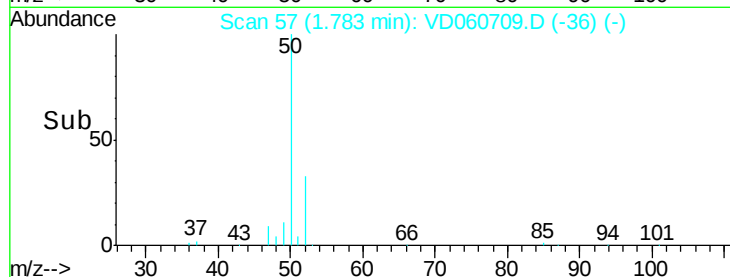
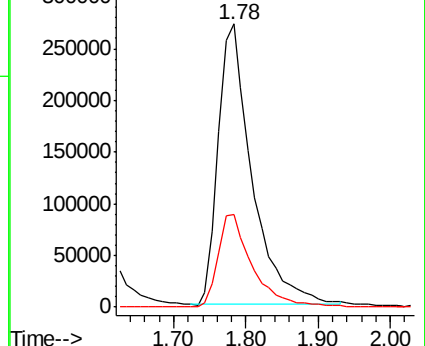
50 100

52 32.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.364 ug/l

RT: 1.87 min Scan# 66

Delta R.T. -0.00 min

Lab File: VD060709.D

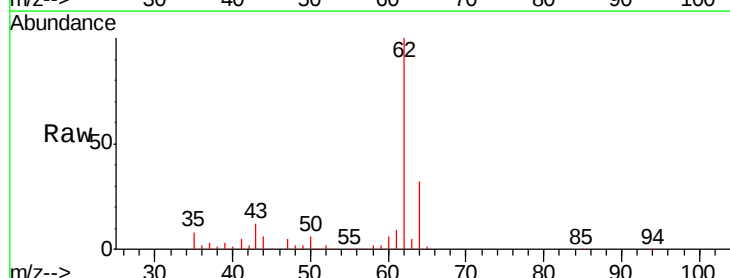
Acq: 26 Dec 2018 10:28

Tgt Ion: 62 Resp: 746961

Ion Ratio Lower Upper

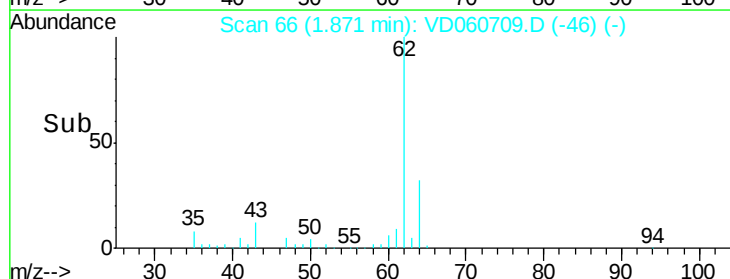
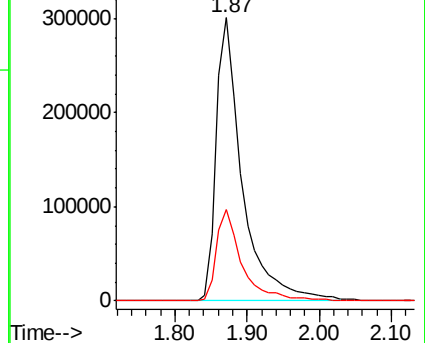
62 100

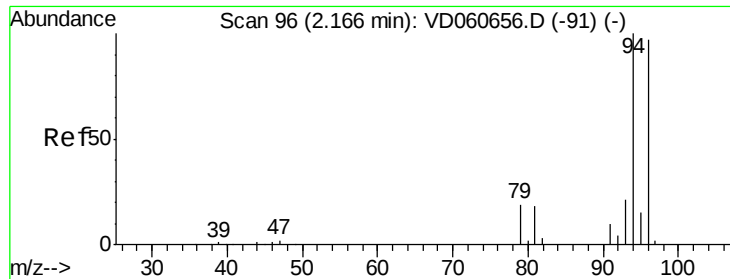
64 32.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.875 ug/l

RT: 2.17 min Scan# 96

Delta R.T. -0.00 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

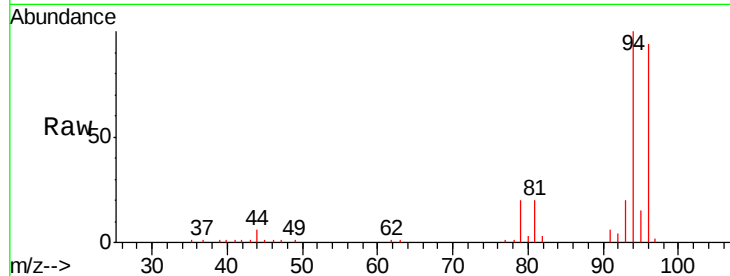
VSTDCCC050

Tgt Ion: 94 Resp: 172772

Ion Ratio Lower Upper

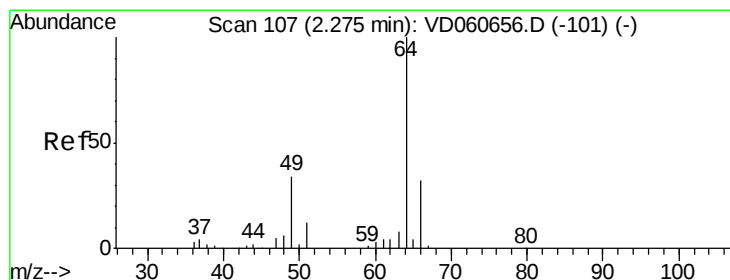
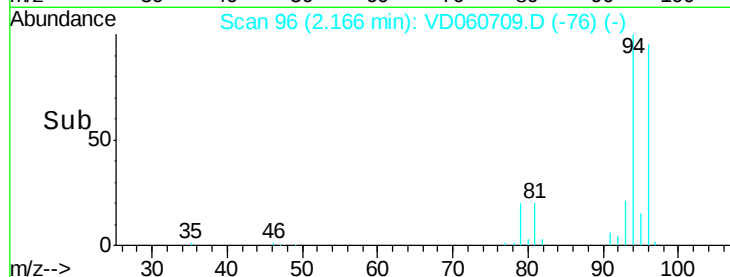
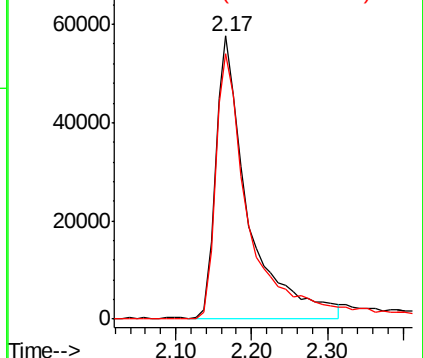
94 100

96 94.0 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: 46.614 ug/l

RT: 2.27 min Scan# 107

Delta R.T. -0.00 min

Lab File: VD060709.D

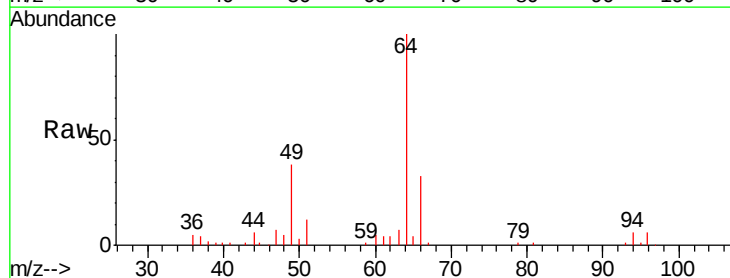
Acq: 26 Dec 2018 10:28

Tgt Ion: 64 Resp: 224121

Ion Ratio Lower Upper

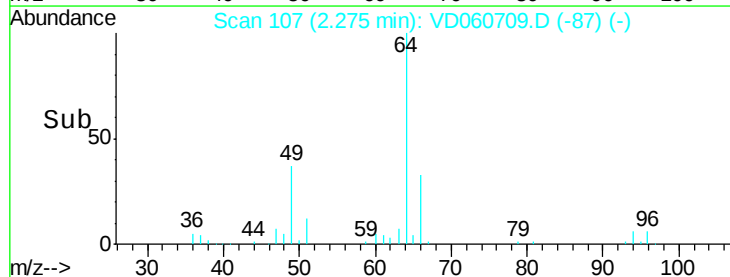
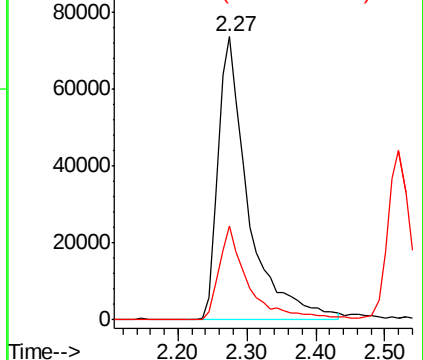
64 100

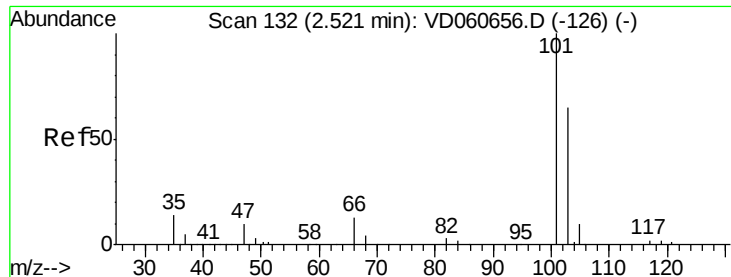
66 33.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



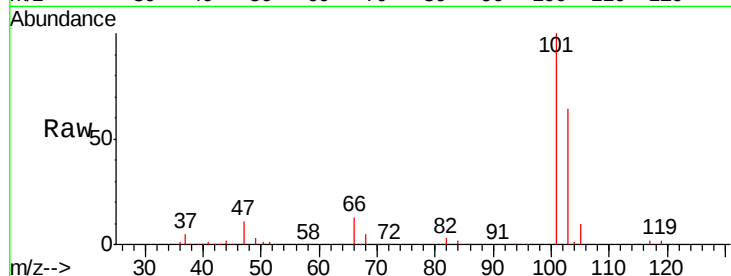


#7

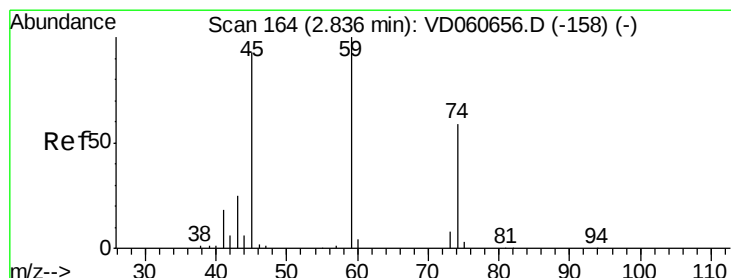
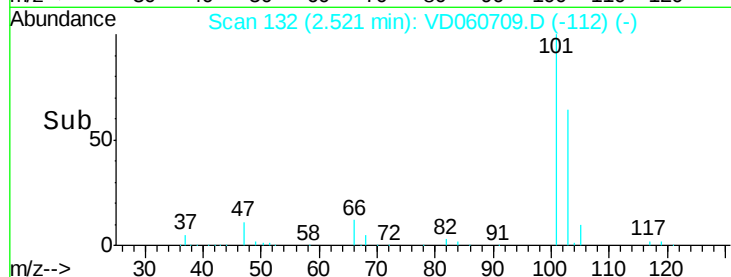
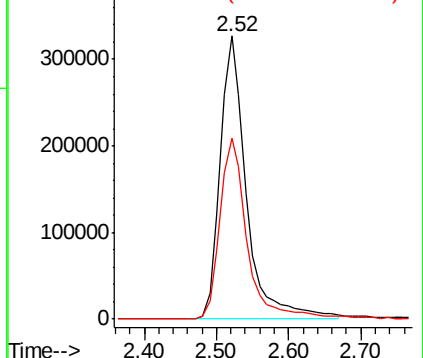
Trichlorofluoromethane
 Concen: 45.927 ug/l
 RT: 2.52 min Scan# 132
 Delta R.T. -0.00 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 822995
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9



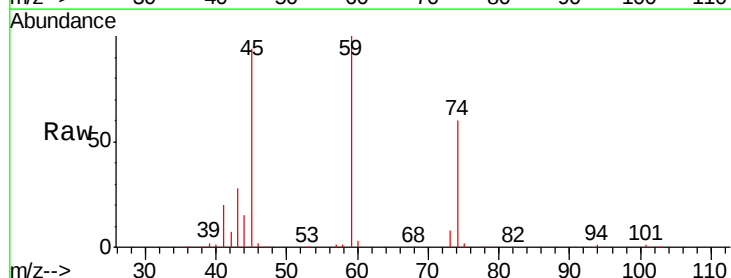
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



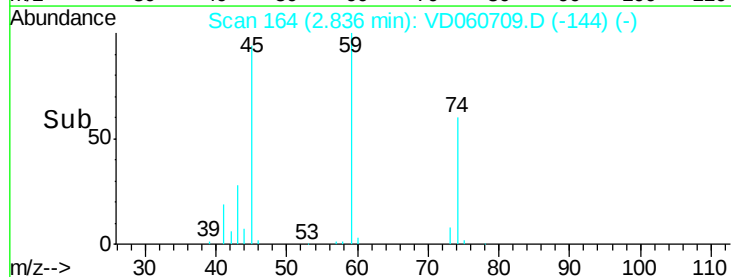
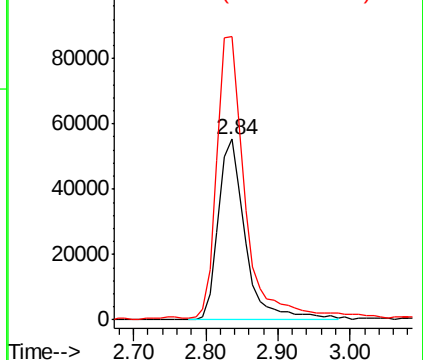
#8

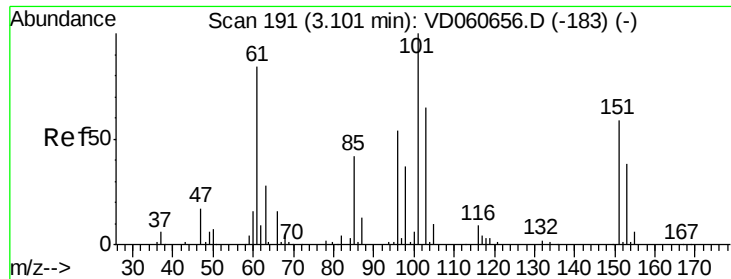
Diethyl Ether
 Concen: 47.794 ug/l
 RT: 2.84 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 74 Resp: 143291
 Ion Ratio Lower Upper
 74 100
 45 156.5 79.3 238.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.358 ug/l

RT: 3.10 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

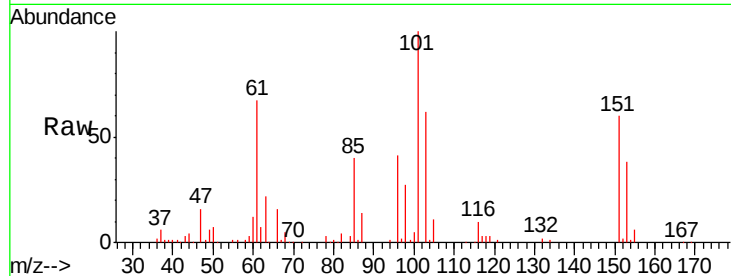
Tgt Ion:101 Resp: 538852

Ion Ratio Lower Upper

101 100

85 39.6 33.4 50.0

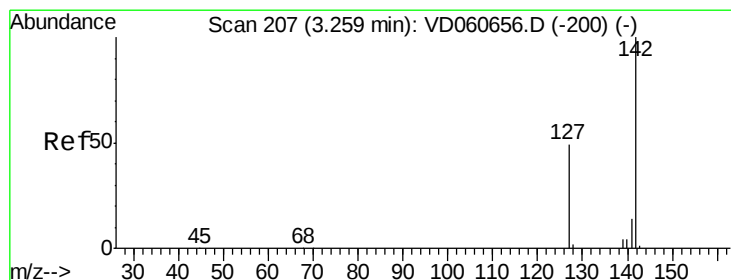
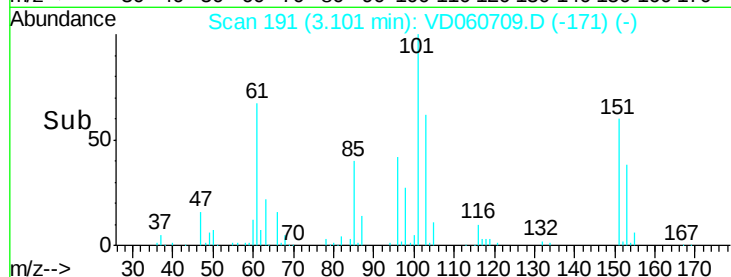
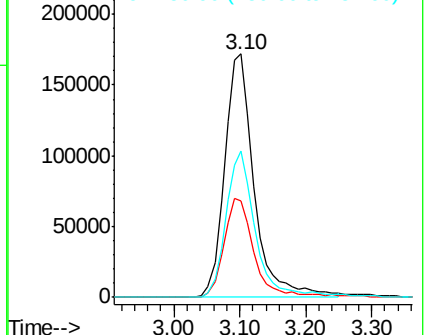
151 60.2 47.5 71.3



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: 48.918 ug/l

RT: 3.25 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

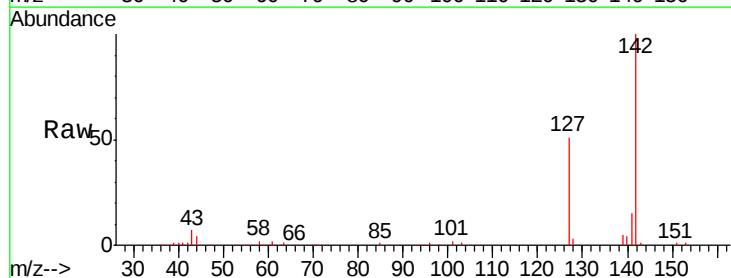
Tgt Ion:142 Resp: 597583

Ion Ratio Lower Upper

142 100

127 51.4 39.5 59.3

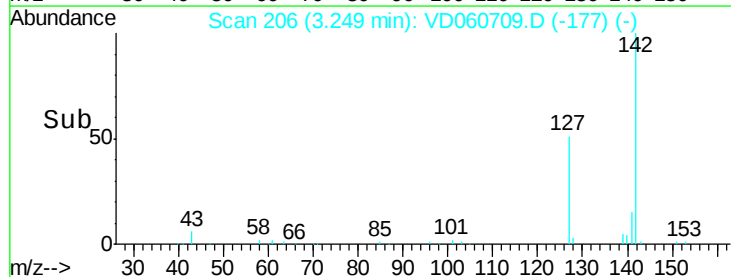
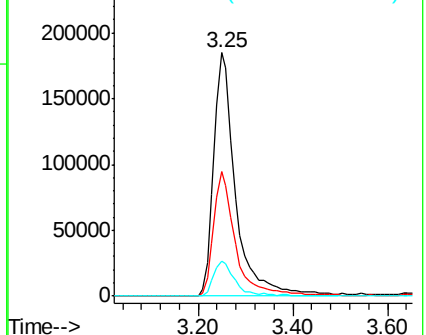
141 14.5 11.3 16.9

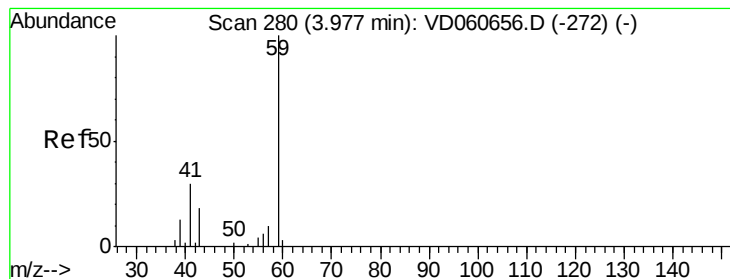


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



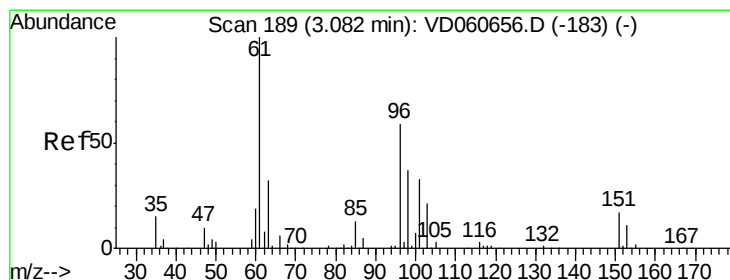
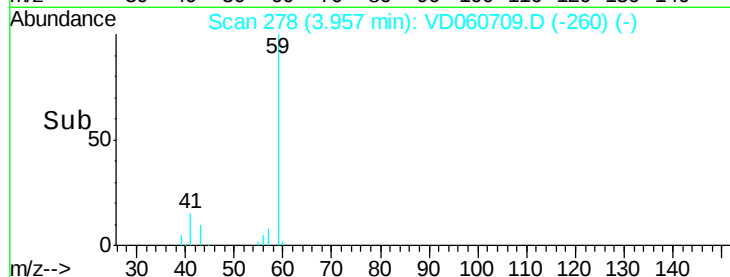
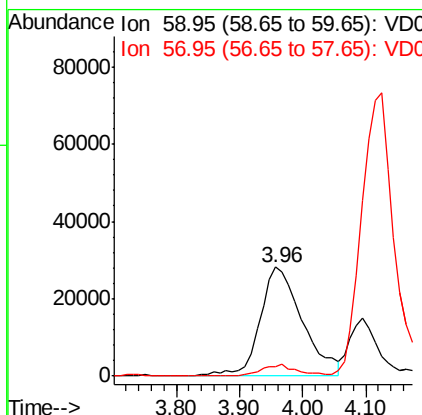
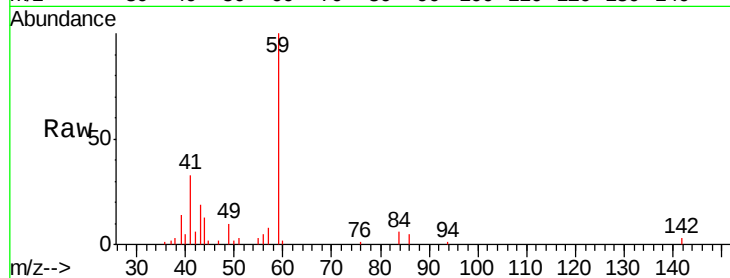


#11

Tert butyl alcohol
Concen: 264.058 ug/l
RT: 3.96 min Scan# 278
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

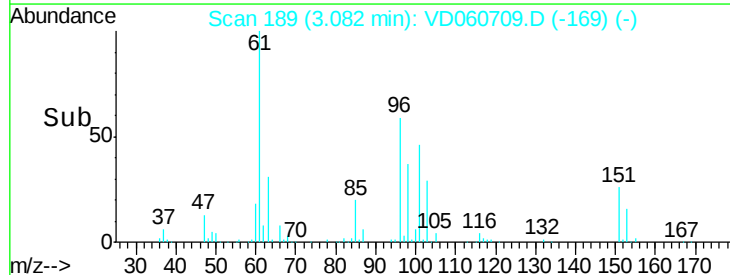
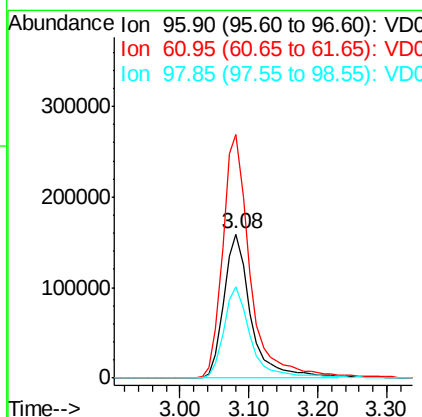
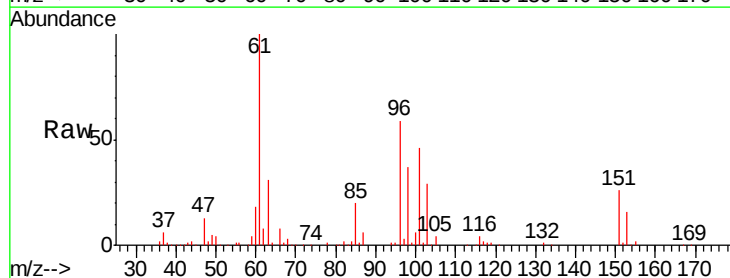
Tgt Ion: 59 Resp: 131602
Ion Ratio Lower Upper
59 100
57 8.5 7.8 11.6

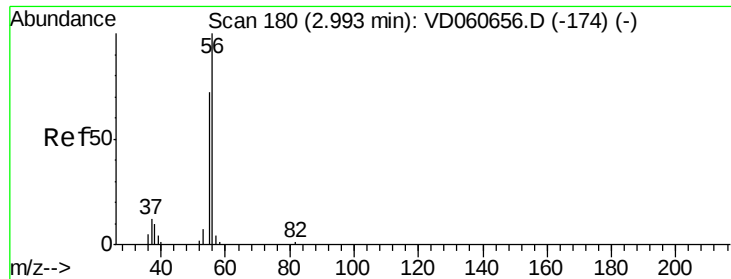


#12

1,1-Dichloroethene
Concen: 45.401 ug/l
RT: 3.08 min Scan# 189
Delta R.T. -0.00 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 96 Resp: 433620
Ion Ratio Lower Upper
96 100
61 168.7 136.2 204.4
98 63.2 50.7 76.1





#13

Acrolein

Concen: 245.324 ug/l

RT: 2.98 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

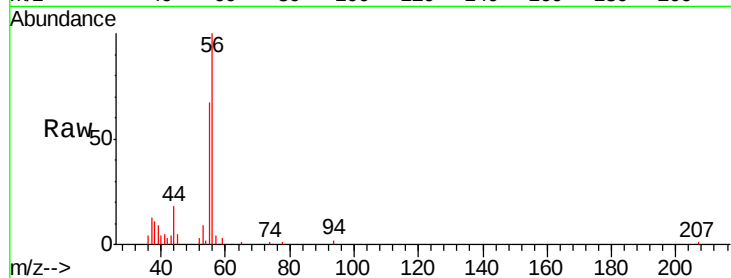
VSTDCCC050

Tgt Ion: 56 Resp: 124594

Ion Ratio Lower Upper

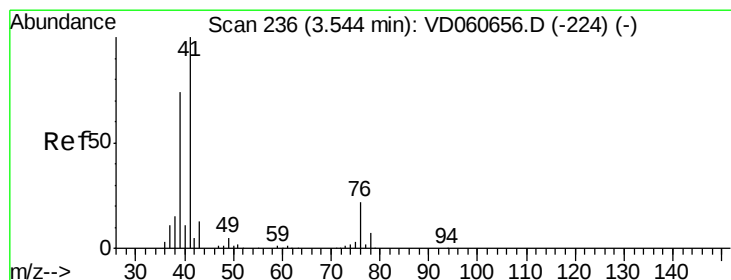
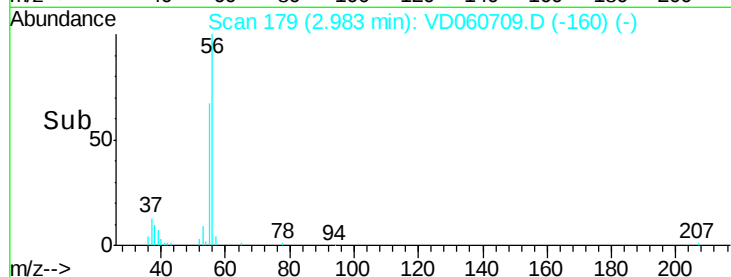
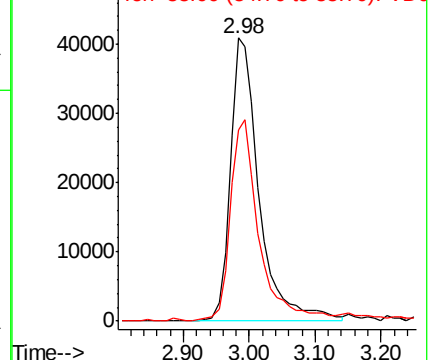
56 100

55 67.3 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.314 ug/l

RT: 3.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

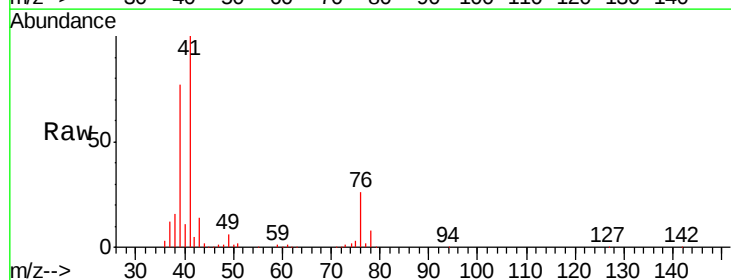
Tgt Ion: 41 Resp: 811655

Ion Ratio Lower Upper

41 100

39 76.8 59.6 89.4

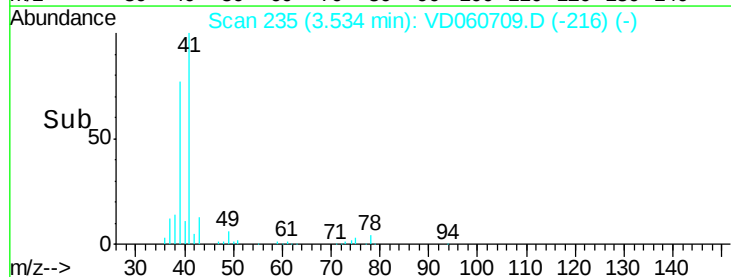
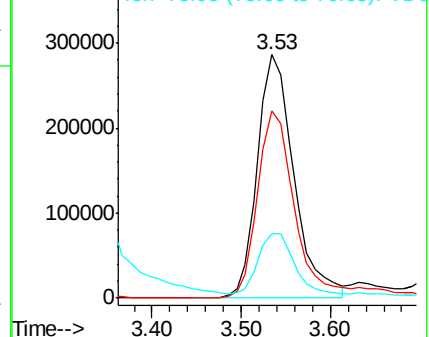
76 26.4 21.8 32.6

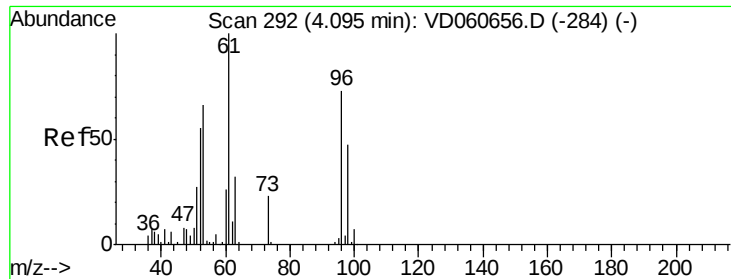


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 240.636 ug/l

RT: 4.08 min Scan# 290

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

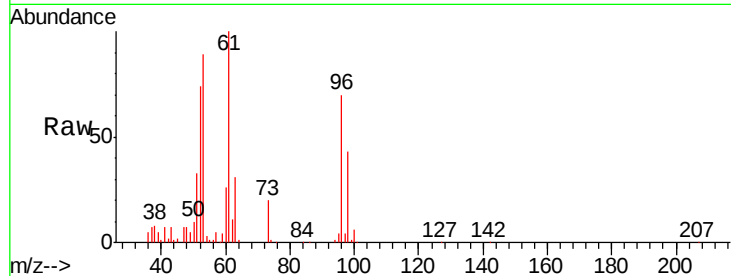
Tgt Ion: 53 Resp: 696263

Ion Ratio Lower Upper

53 100

52 82.8 66.7 100.1

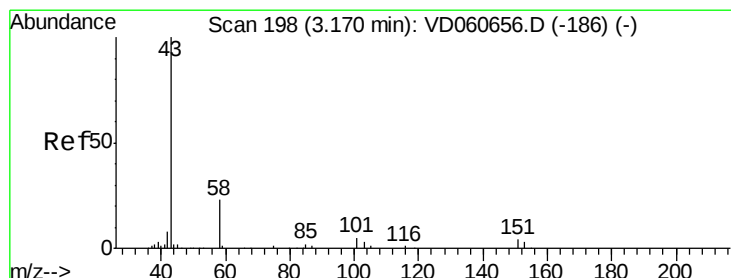
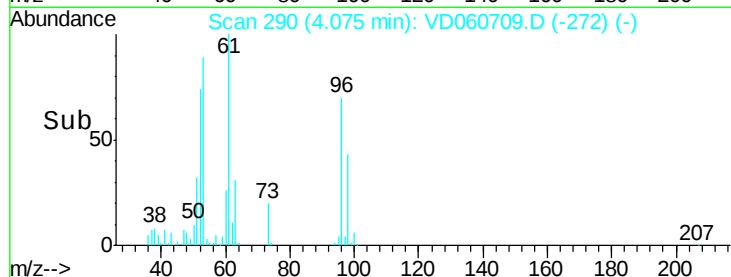
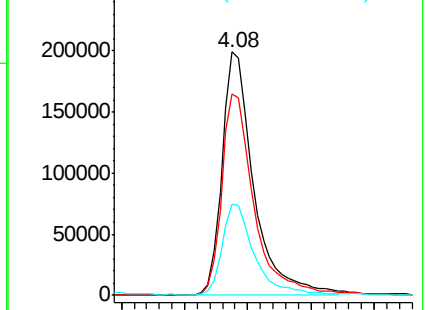
51 37.5 32.7 49.1



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: 285.997 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060709.D

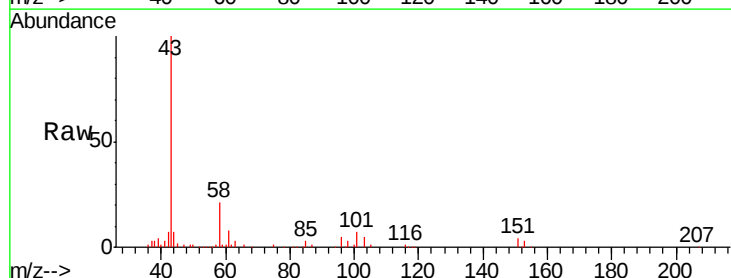
Acq: 26 Dec 2018 10:28

Tgt Ion: 43 Resp: 595611

Ion Ratio Lower Upper

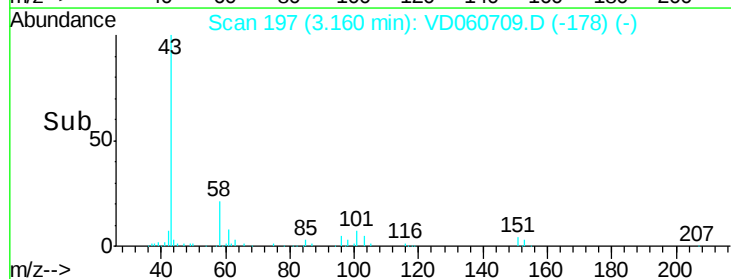
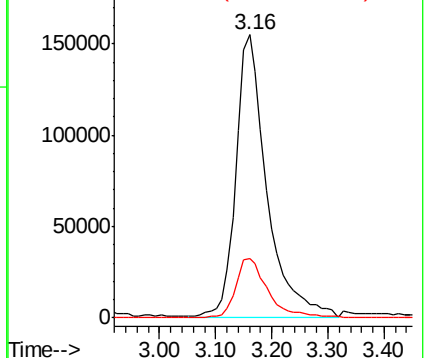
43 100

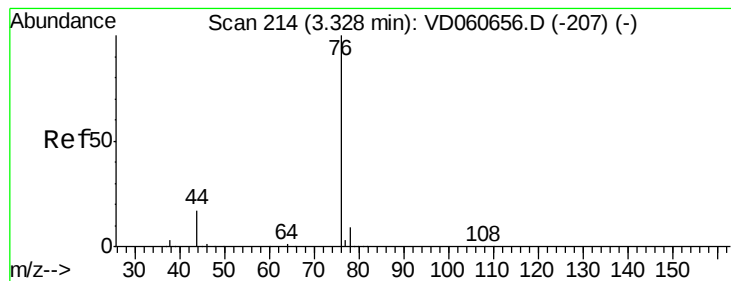
58 21.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 43.693 ug/l

RT: 3.32 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

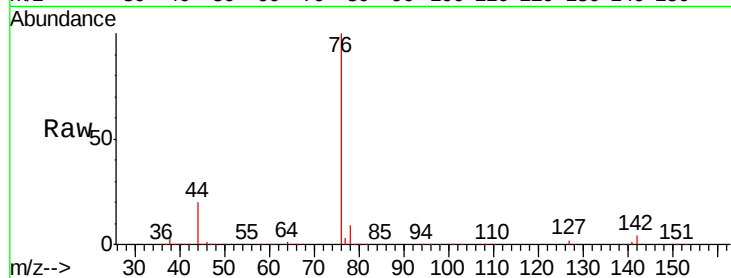
VSTDCCC050

Tgt Ion: 76 Resp: 1332731

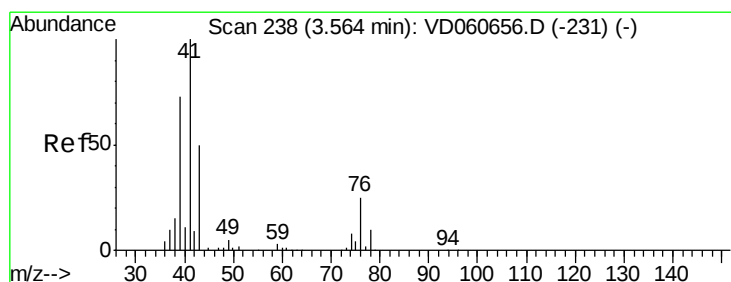
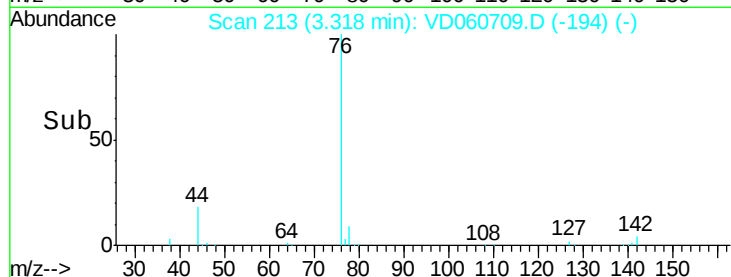
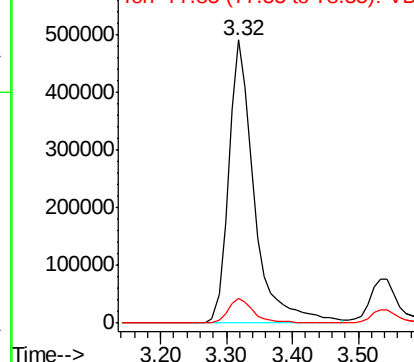
Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 45.297 ug/l

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD060709.D

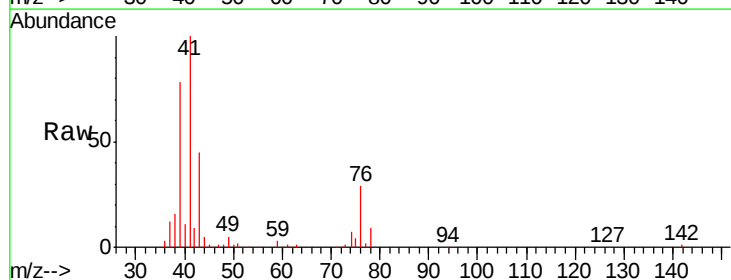
Acq: 26 Dec 2018 10:28

Tgt Ion: 43 Resp: 233791

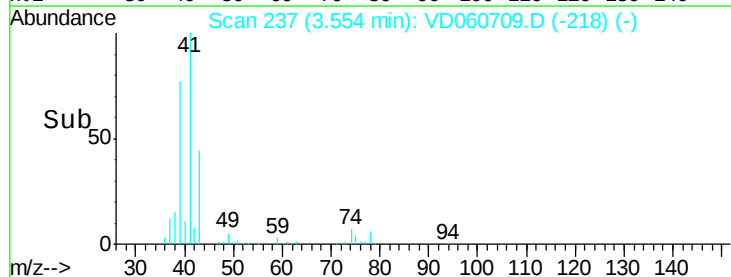
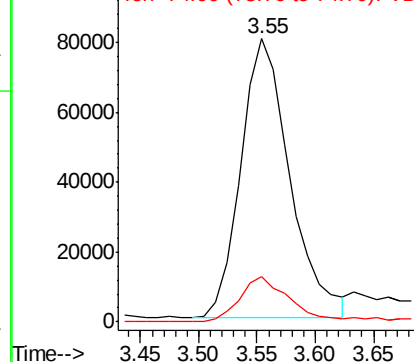
Ion Ratio Lower Upper

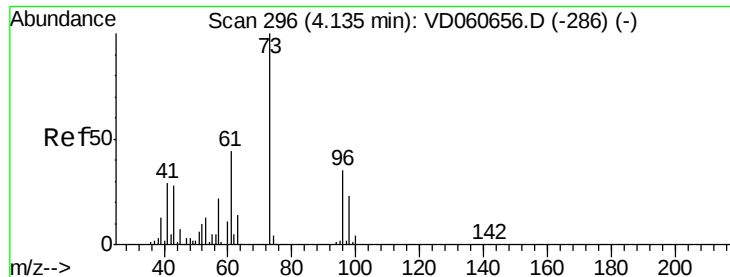
43 100

74 16.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



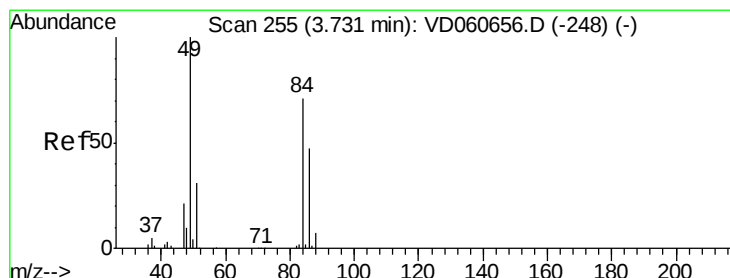
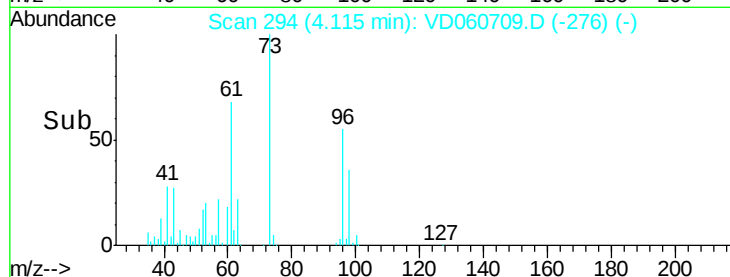
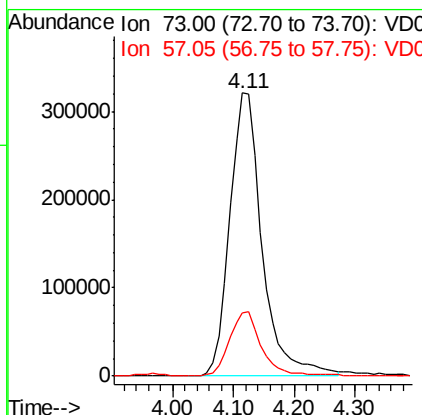
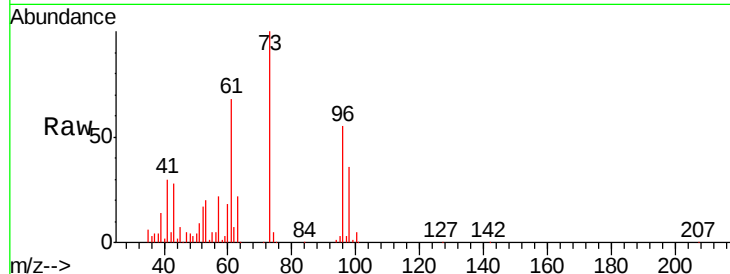


#19

Methyl tert-butyl Ether
 Concen: 49.092 ug/l
 RT: 4.11 min Scan# 294
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

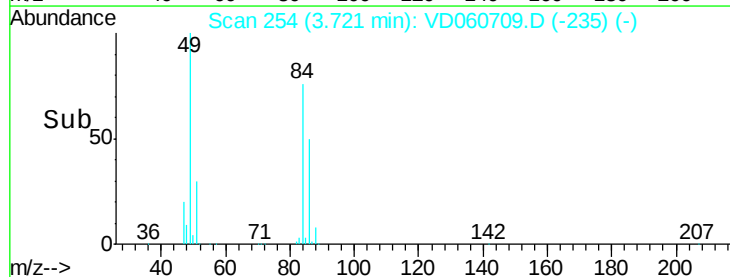
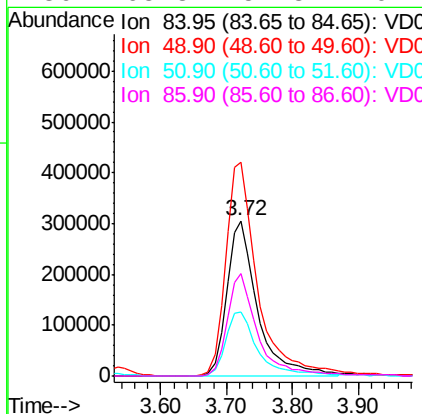
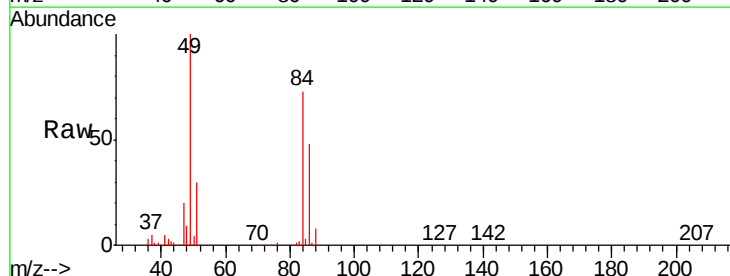
Tgt Ion: 73 Resp: 1189552
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.6 26.4

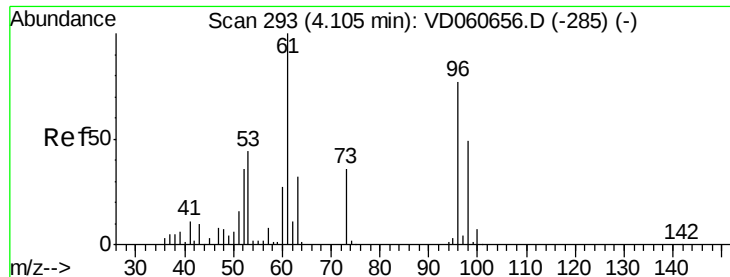


#20

Methylene Chloride
 Concen: 46.051 ug/l
 RT: 3.72 min Scan# 254
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 84 Resp: 995983
 Ion Ratio Lower Upper
 84 100
 49 137.4 113.6 170.4
 51 41.5 34.7 52.1
 86 65.8 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 47.593 ug/l

RT: 4.10 min Scan# 292

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

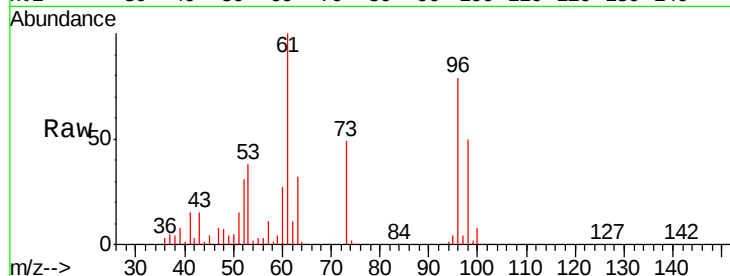
Tgt Ion: 96 Resp: 930896

Ion Ratio Lower Upper

96 100

61 127.3 104.2 156.2

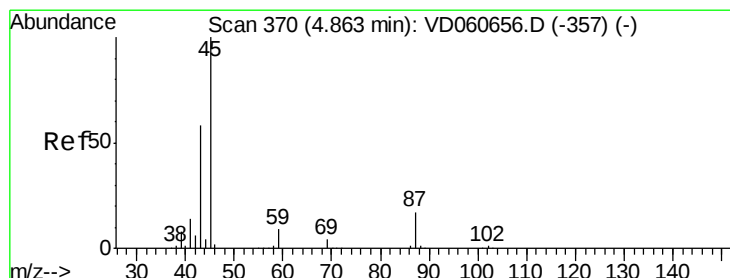
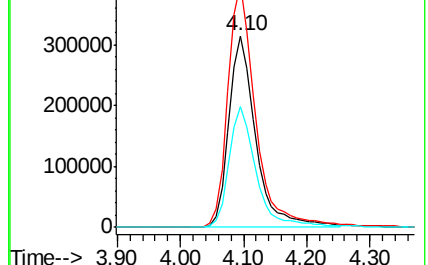
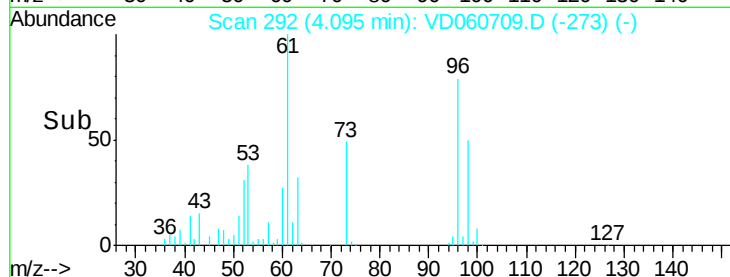
98 63.1 51.2 76.8



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: 49.598 ug/l

RT: 4.84 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Tgt Ion: 45 Resp: 2951242

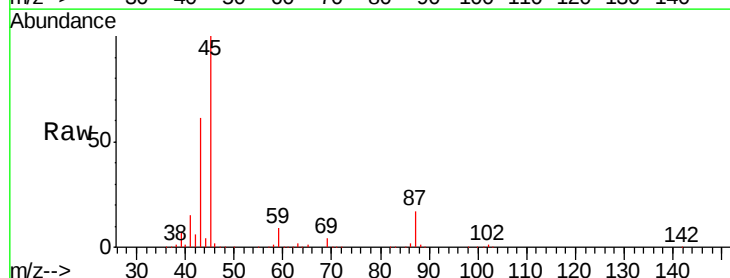
Ion Ratio Lower Upper

45 100

43 61.4 46.1 69.1

87 17.5 13.7 20.5

59 8.9 7.4 11.0

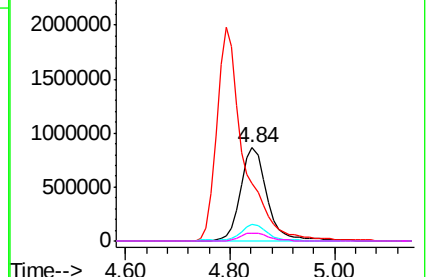
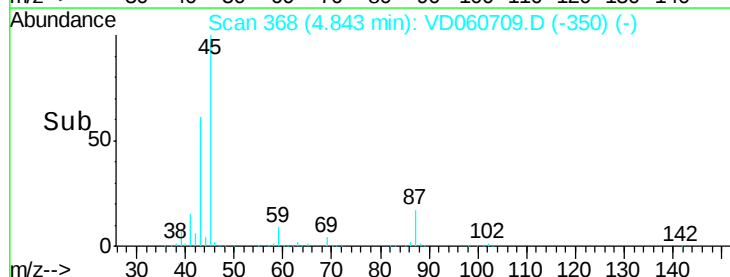


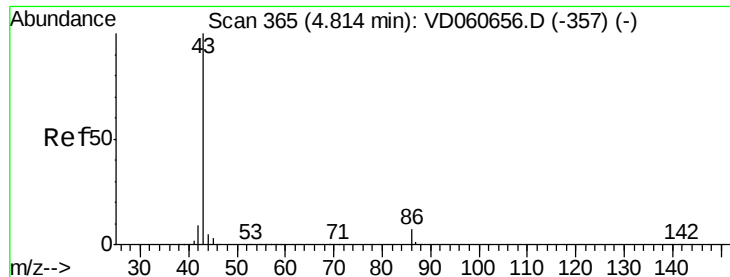
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

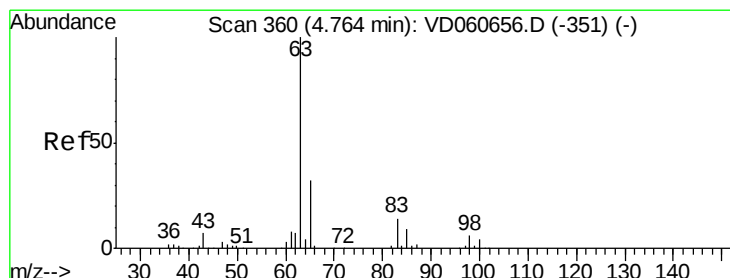
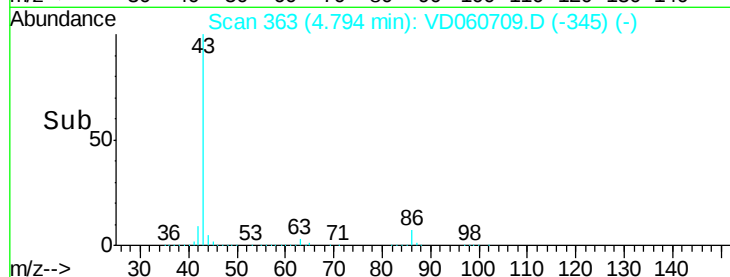
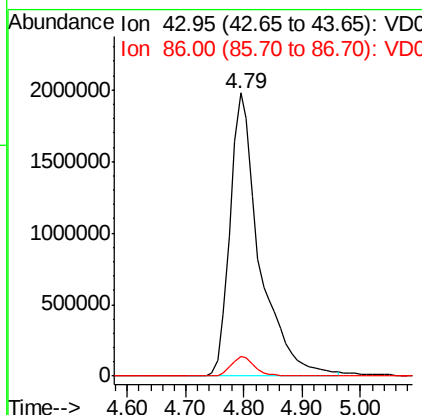
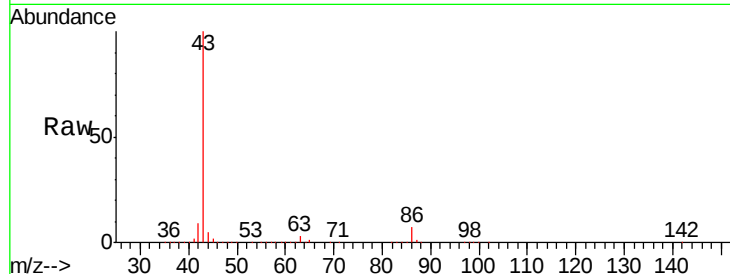




#23
 Vinyl Acetate
 Concen: 242.597 ug/l
 RT: 4.79 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

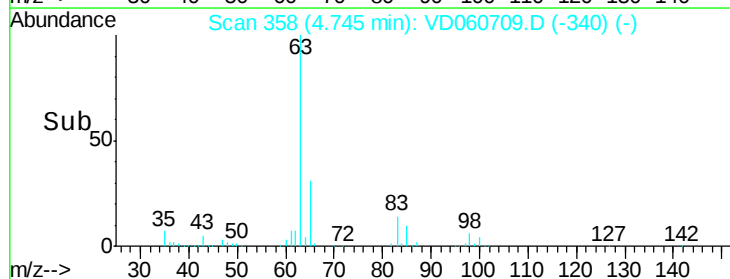
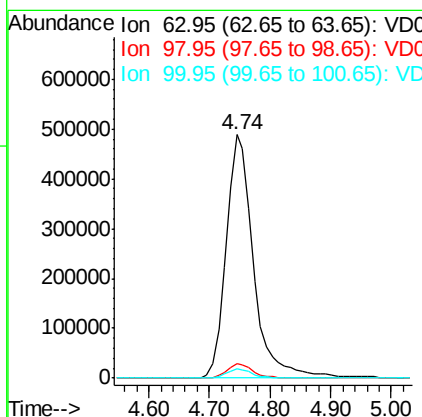
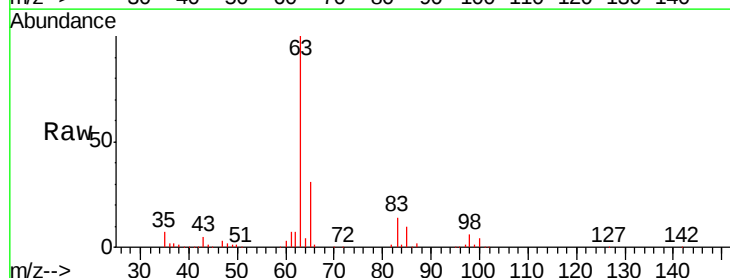
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

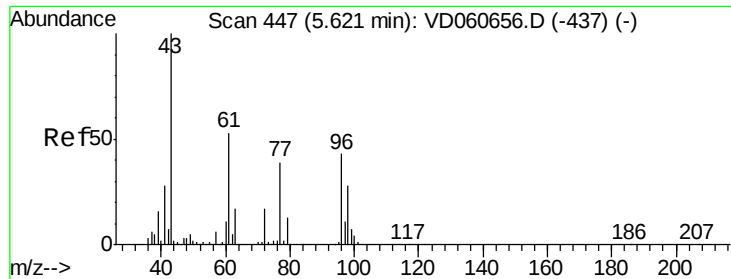
Tgt Ion: 43 Resp: 6983830
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 48.824 ug/l
 RT: 4.74 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 63 Resp: 1528089
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 263.177 ug/l

RT: 5.60 min Scan# 445

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

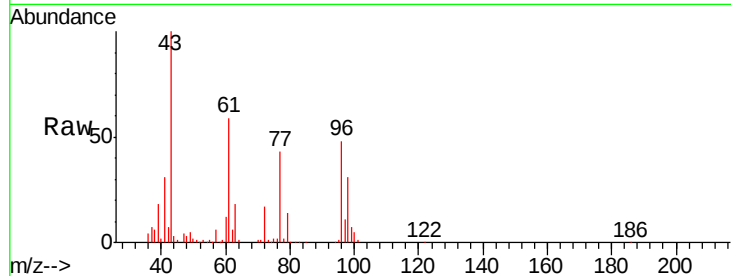
VSTDCCC050

Tgt Ion: 43 Resp: 1048805

Ion Ratio Lower Upper

43 100

72 17.2 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

400000

300000

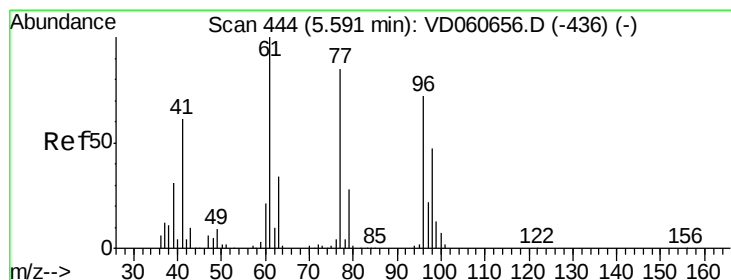
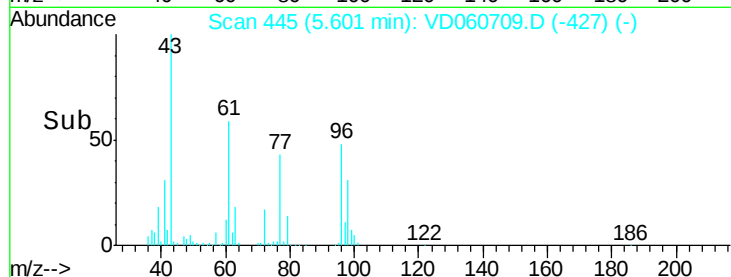
200000

100000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 48.951 ug/l

RT: 5.57 min Scan# 442

Delta R.T. -0.02 min

Lab File: VD060709.D

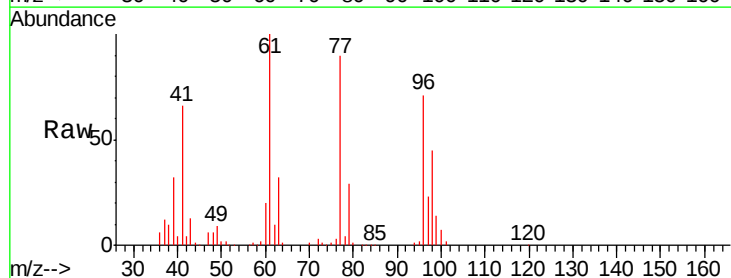
Acq: 26 Dec 2018 10:28

Tgt Ion: 77 Resp: 1209364

Ion Ratio Lower Upper

77 100

97 25.6 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

400000

300000

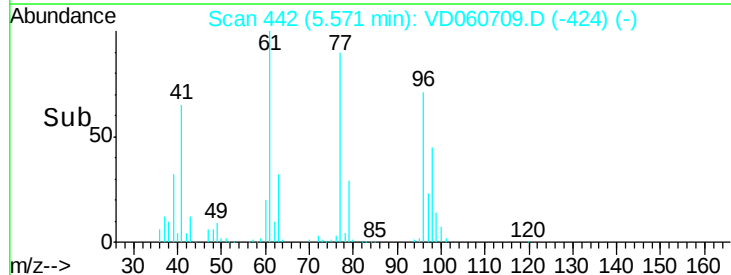
200000

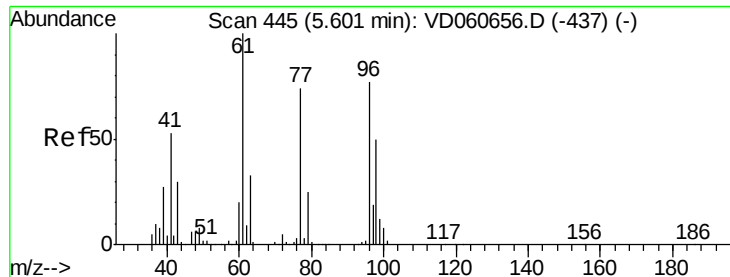
100000

0

5.40 5.50 5.60 5.70 5.80

Time-->



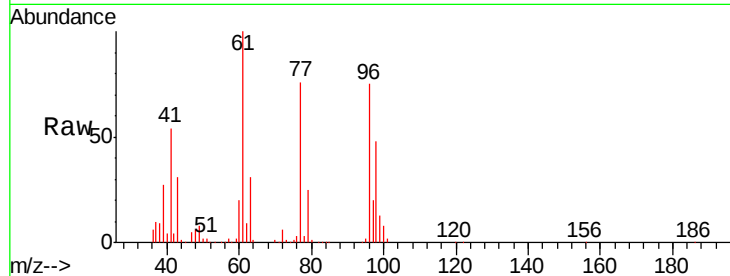


#27

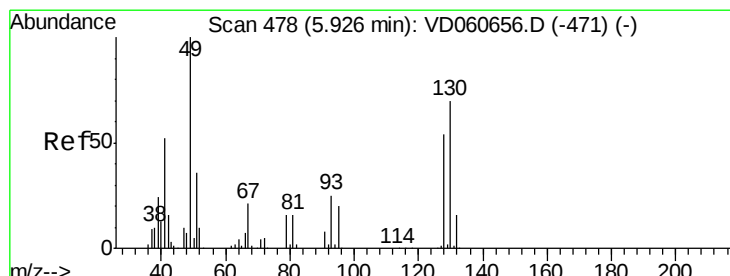
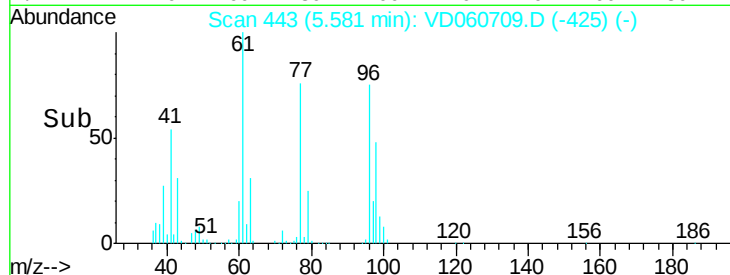
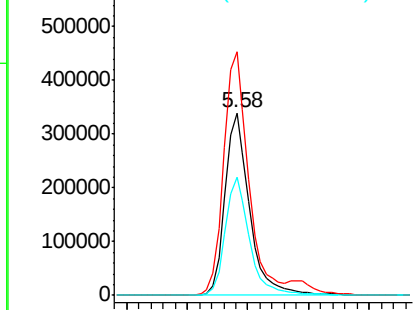
cis-1,2-Dichloroethene
Concen: 48.101 ug/l
RT: 5.58 min Scan# 443
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	259.4
98	64.6	0.0	130.0



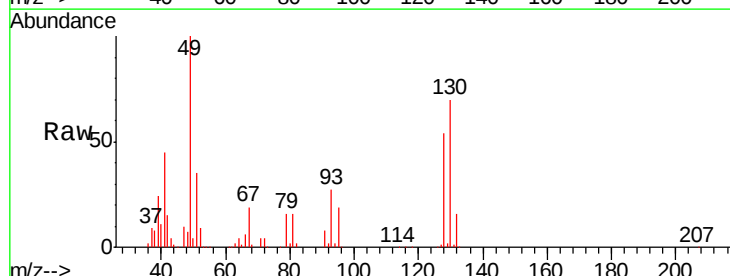
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



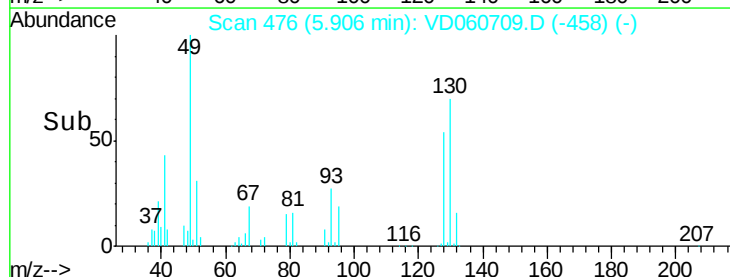
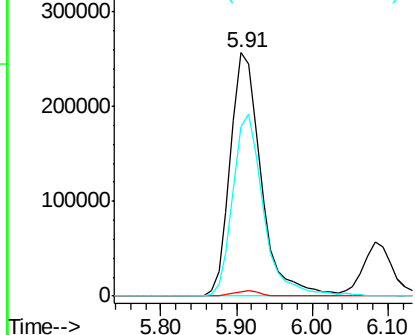
#28

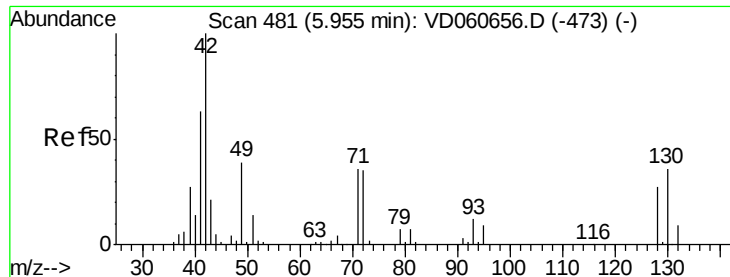
Bromochloromethane
Concen: 54.766 ug/l
RT: 5.91 min Scan# 476
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.5	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: 235.608 ug/l

RT: 5.94 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

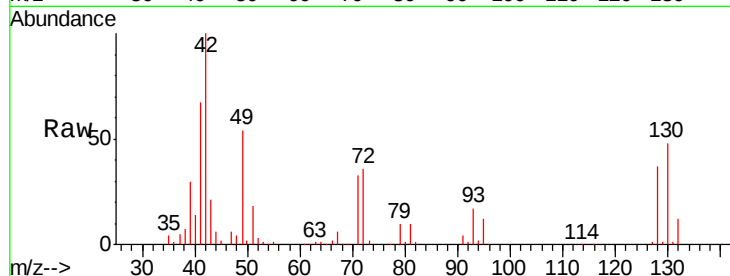
Tgt Ion: 42 Resp: 532283

Ion Ratio Lower Upper

42 100

72 35.2 28.0 42.0

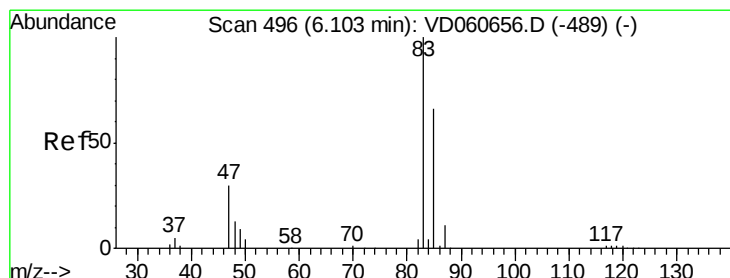
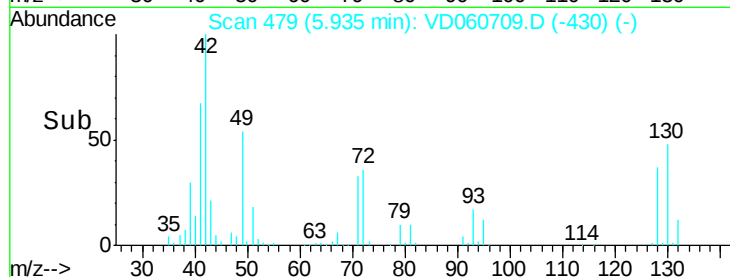
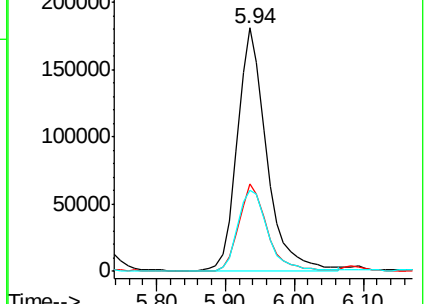
71 34.3 27.0 40.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.557 ug/l

RT: 6.08 min Scan# 494

Delta R.T. -0.02 min

Lab File: VD060709.D

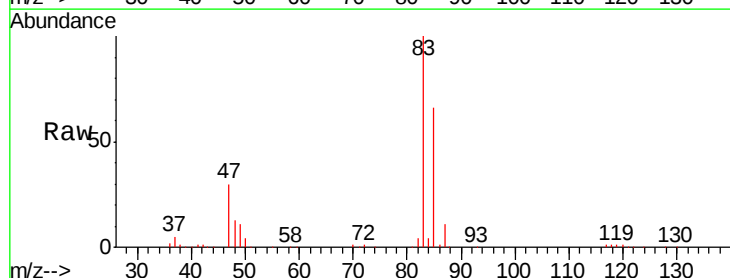
Acq: 26 Dec 2018 10:28

Tgt Ion: 83 Resp: 1529201

Ion Ratio Lower Upper

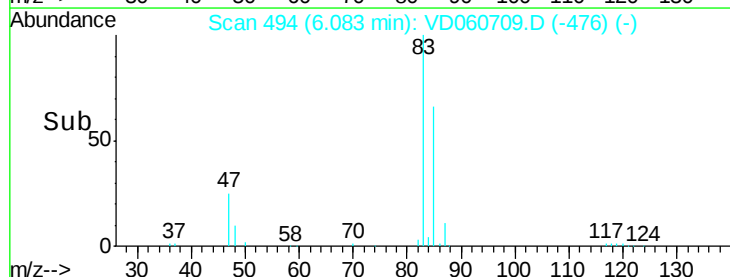
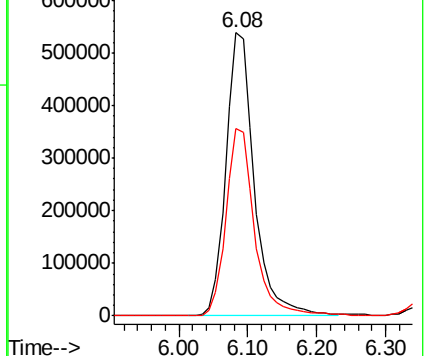
83 100

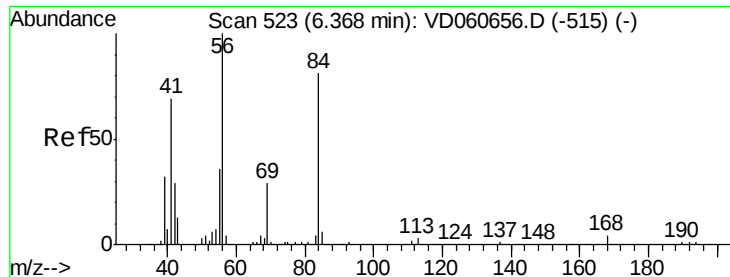
85 66.3 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

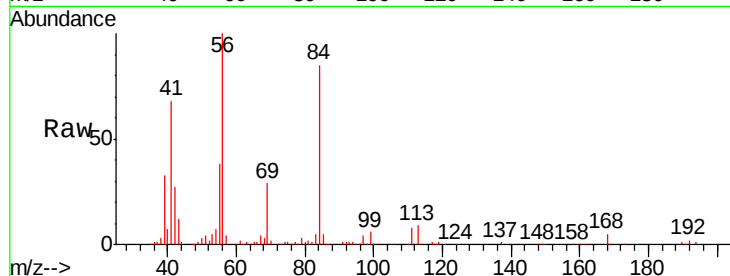




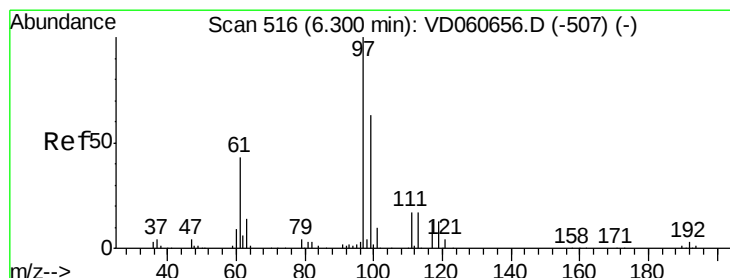
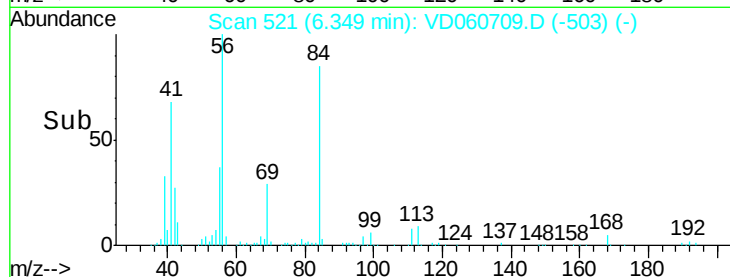
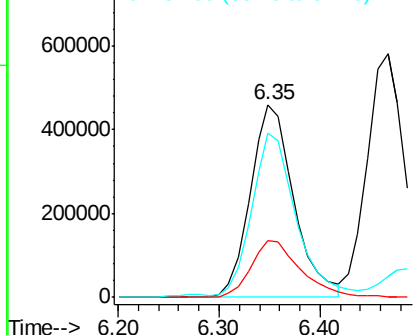
#31
Cyclohexane
Concen: 45.613 ug/l
RT: 6.35 min Scan# 521
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 1373835
Ion Ratio Lower Upper
56 100
69 29.2 23.6 35.4
84 85.0 65.8 98.6

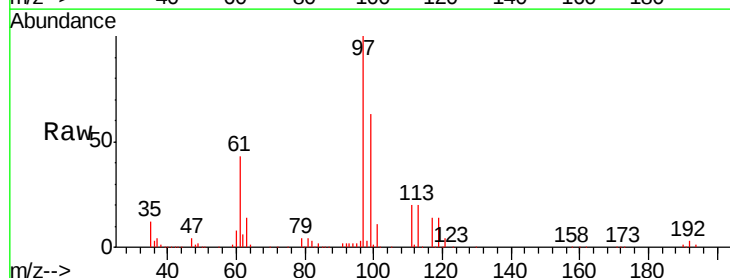


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

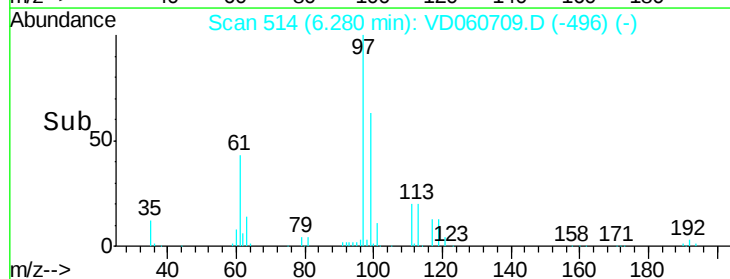
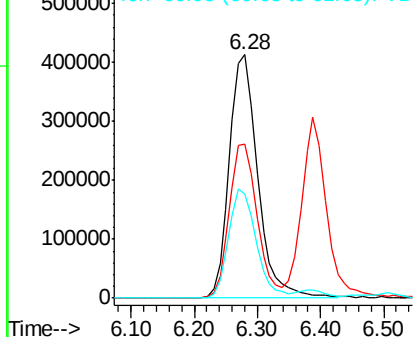


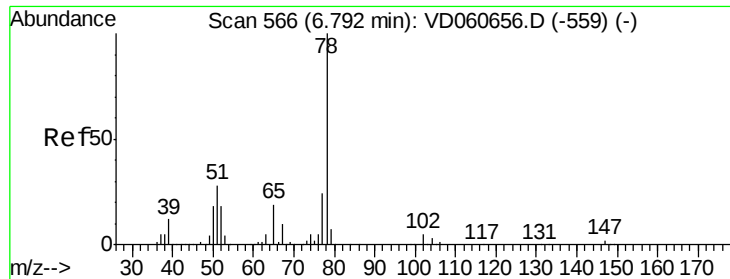
#32
1,1,1-Trichloroethane
Concen: 49.399 ug/l
RT: 6.28 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 97 Resp: 1287095
Ion Ratio Lower Upper
97 100
99 63.4 50.5 75.7
61 42.7 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: 49.399 ug/l

RT: 6.76 min Scan# 563

Delta R.T. -0.03 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

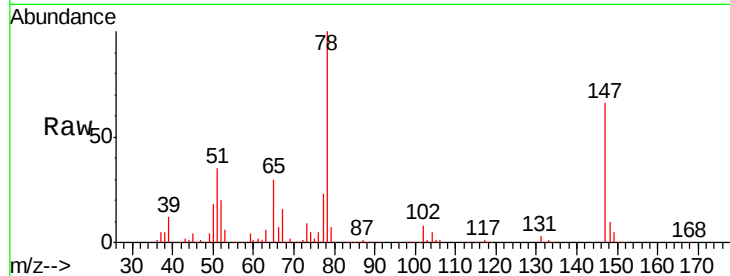
VSTDCCC050

Tgt Ion: 65 Resp: 614721

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

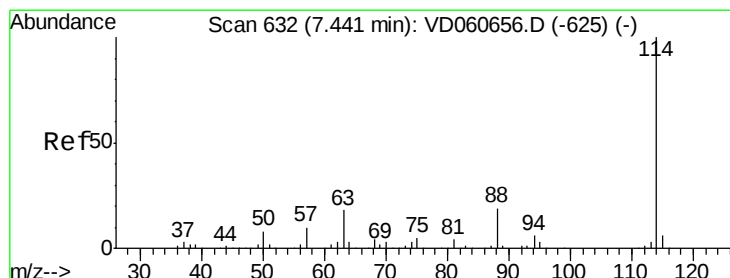
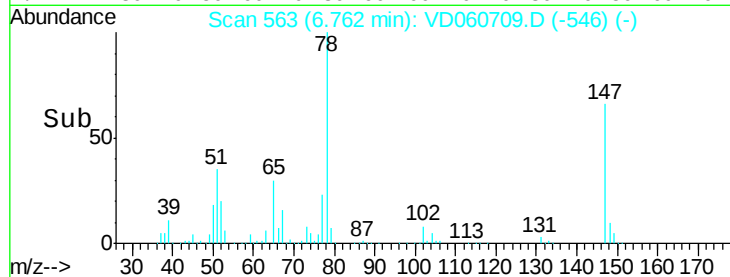
50000

0

6.70

6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

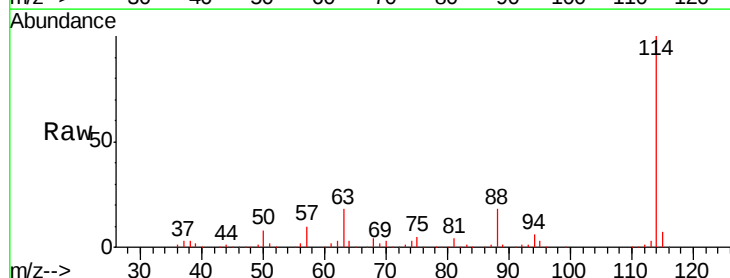
Tgt Ion: 114 Resp: 2320778

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.2

88 17.8 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

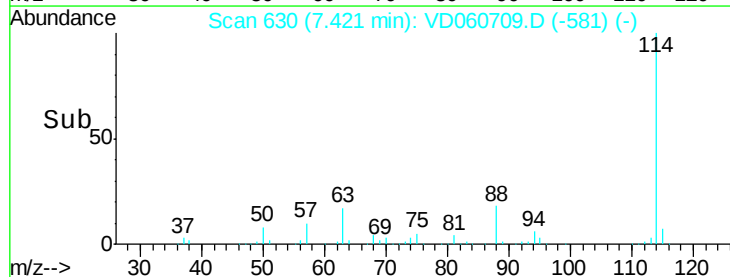
0

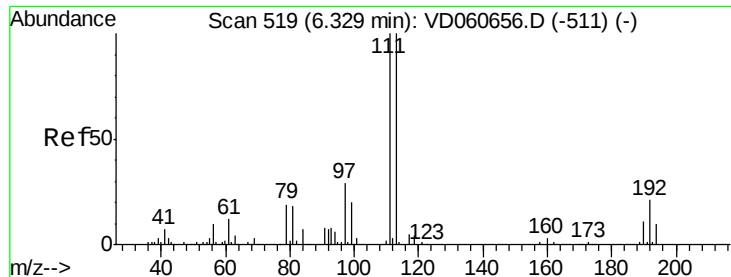
7.20

7.40

7.60

Time-->

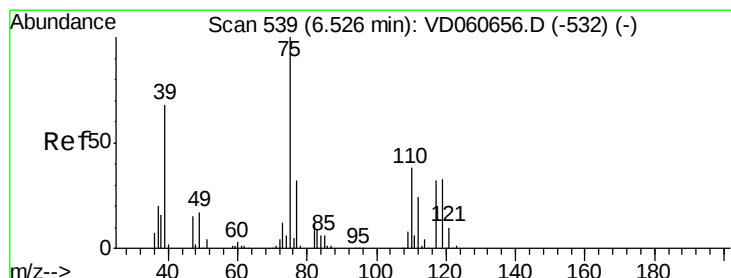
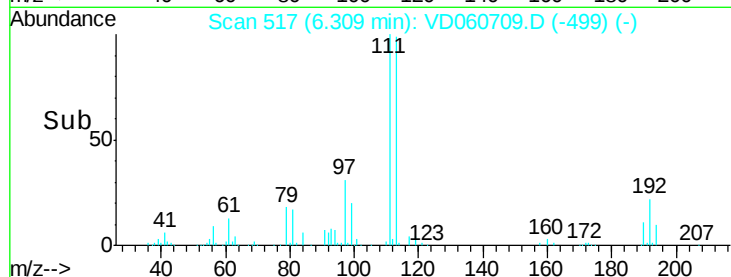
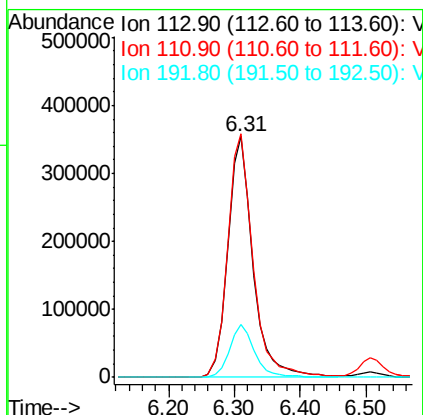
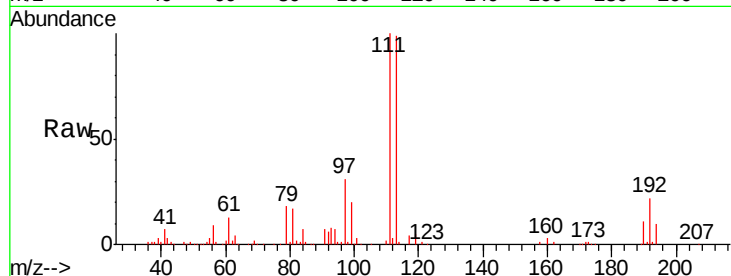




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 517
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

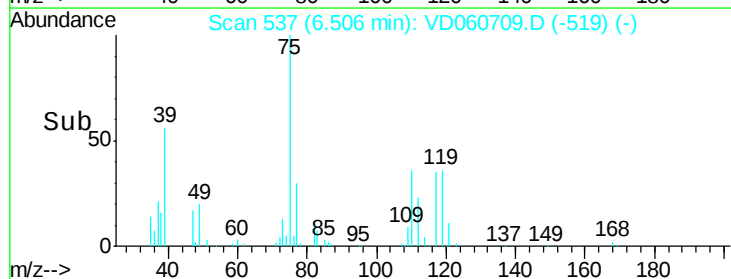
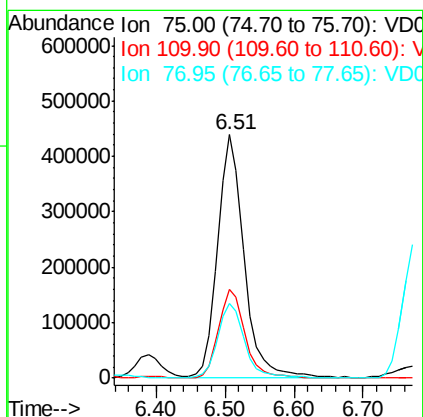
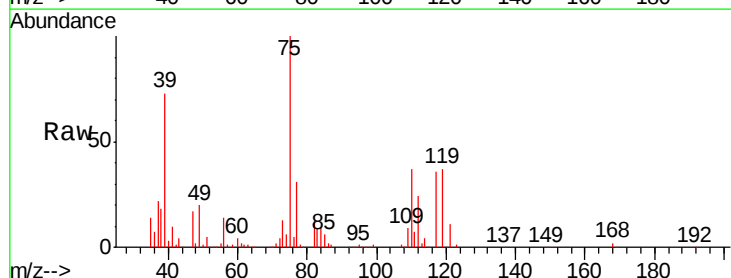
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

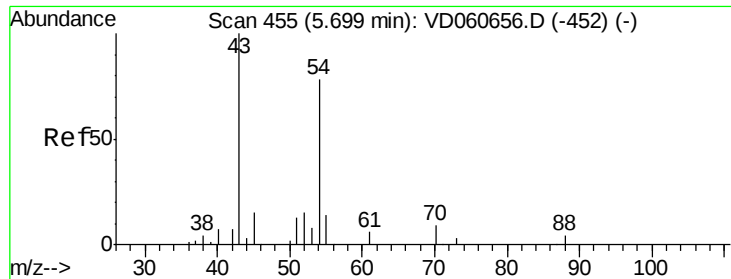
Tgt Ion:113 Resp: 949844
Ion Ratio Lower Upper
113 100
111 101.2 80.0 120.0
192 21.9 16.6 25.0



#36
1,1-Dichloropropene
Concen: 48.331 ug/l
RT: 6.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 75 Resp: 1154995
Ion Ratio Lower Upper
75 100
110 36.6 18.9 56.7
77 30.9 25.4 38.0

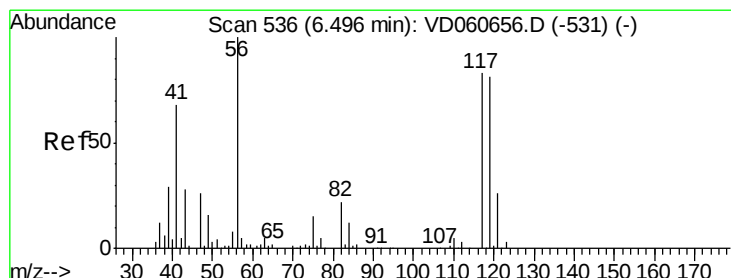
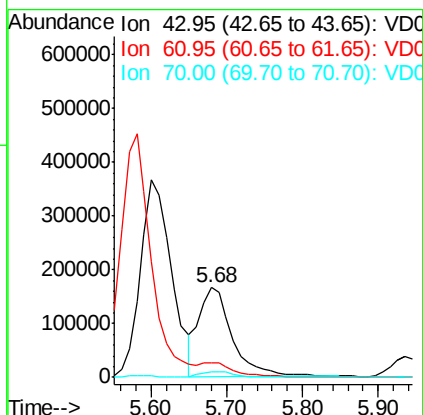
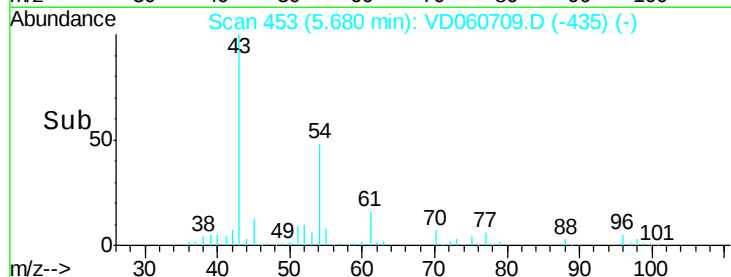
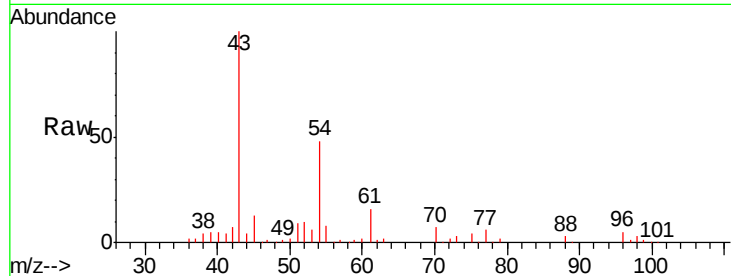




#37
Ethyl Acetate
Concen: 50.564 ug/l
RT: 5.68 min Scan# 453
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

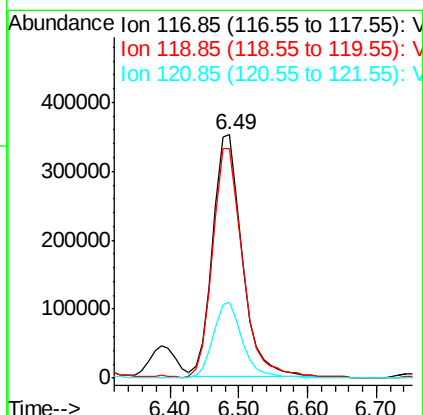
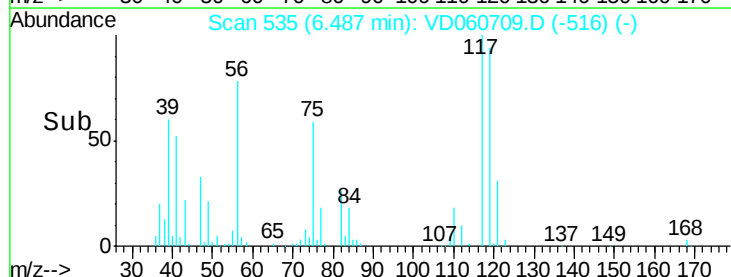
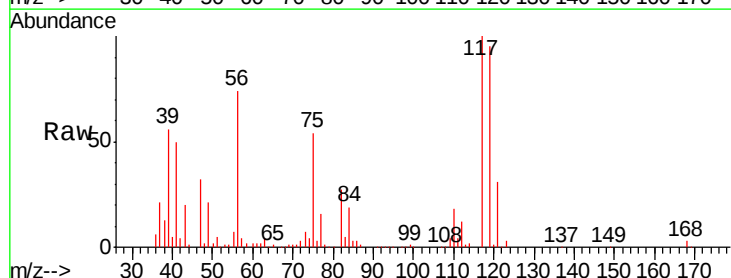
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

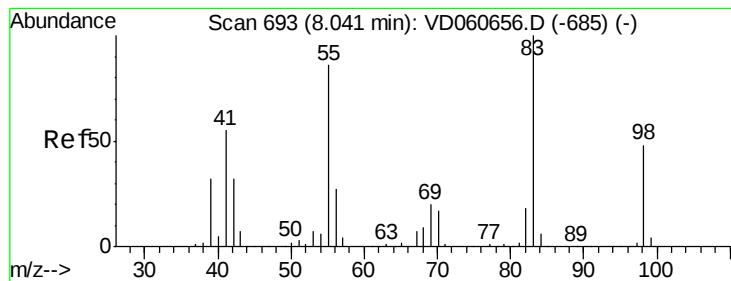
Tgt Ion: 43 Resp: 505374
Ion Ratio Lower Upper
43 100
61 16.3 11.8 17.6
70 6.8 5.8 8.6



#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 6.49 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 117 Resp: 1044212
Ion Ratio Lower Upper
117 100
119 94.5 77.0 115.4
121 31.3 24.7 37.1





#39

Methylcyclohexane

Concen: 49.384 ug/l

RT: 8.02 min Scan# 691

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

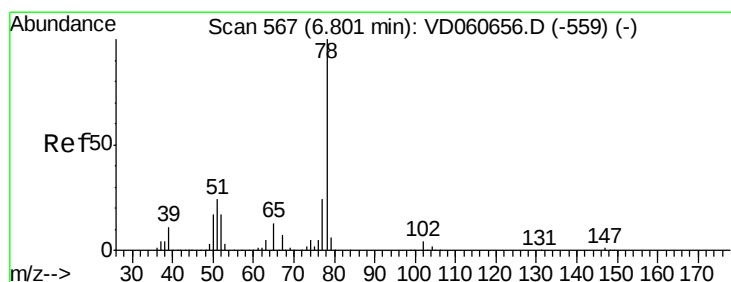
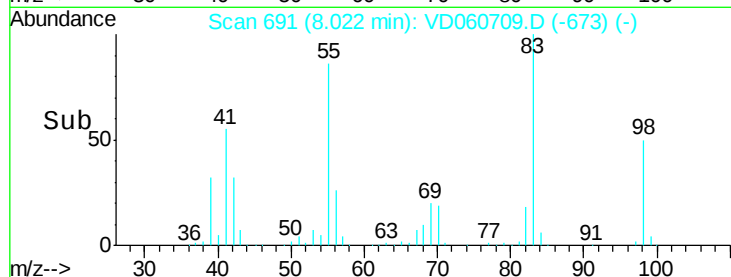
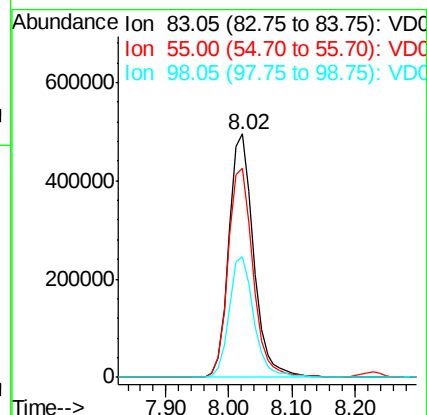
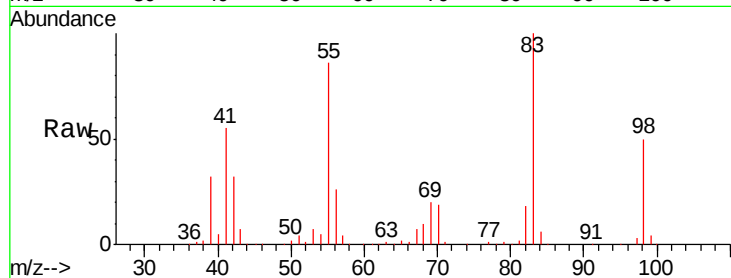
Tgt Ion: 83 Resp: 1345973

Ion Ratio Lower Upper

83 100

55 86.1 68.6 102.8

98 49.5 38.1 57.1



#40

Benzene

Concen: 48.148 ug/l

RT: 6.77 min Scan# 564

Delta R.T. -0.03 min

Lab File: VD060709.D

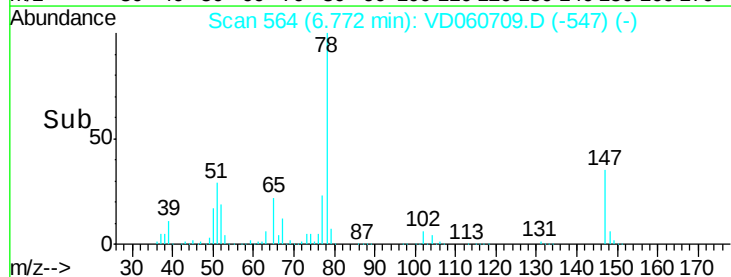
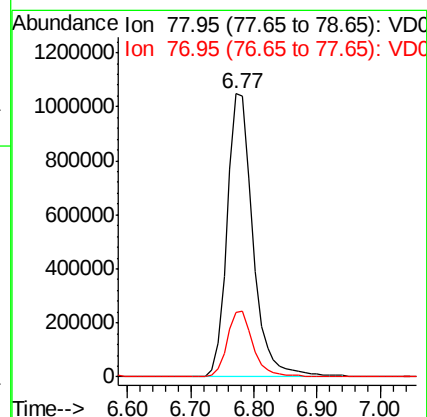
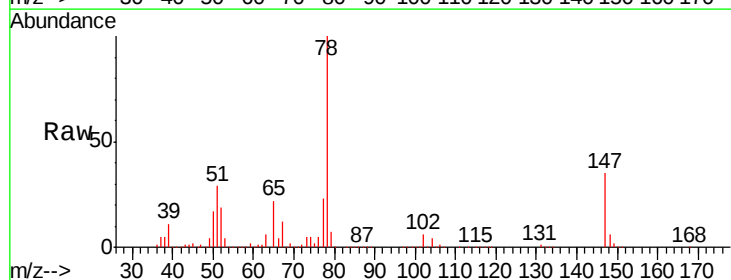
Acq: 26 Dec 2018 10:28

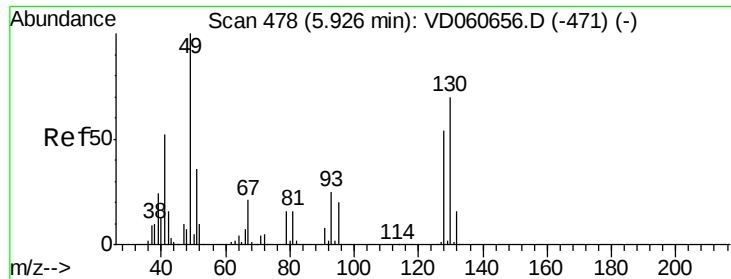
Tgt Ion: 78 Resp: 2972148

Ion Ratio Lower Upper

78 100

77 23.0 19.2 28.8





#41

Methacrylonitrile

Concen: 104.074 ug/l

RT: 5.93 min Scan# 478

Delta R.T. -0.00 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 575360

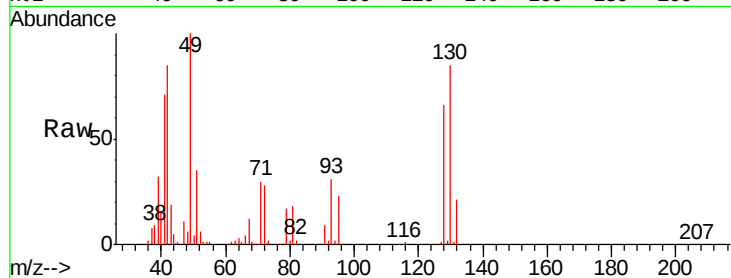
Ion Ratio Lower Upper

41 100

39 44.9 37.6 56.4

67 16.9 33.0 49.6#

52 8.4 15.5 23.3#

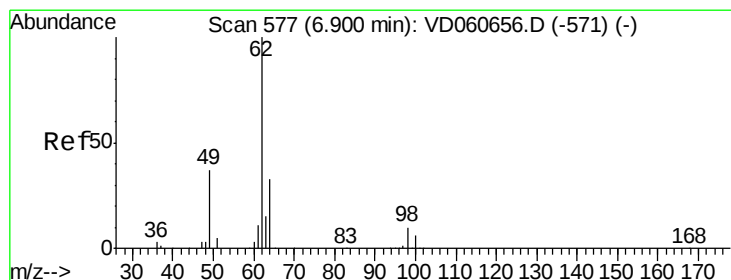
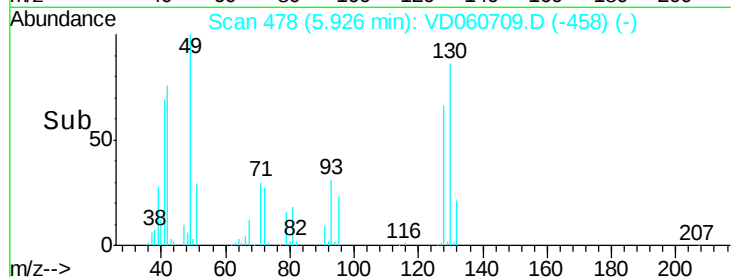
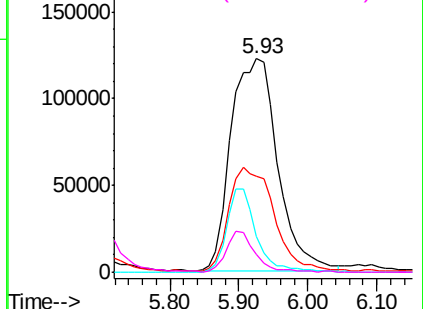


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.754 ug/l

RT: 6.87 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD060709.D

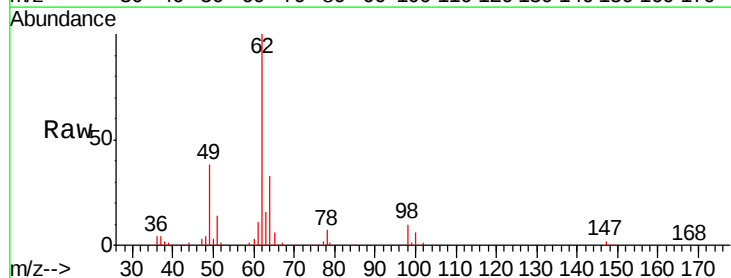
Acq: 26 Dec 2018 10:28

Tgt Ion: 62 Resp: 746839

Ion Ratio Lower Upper

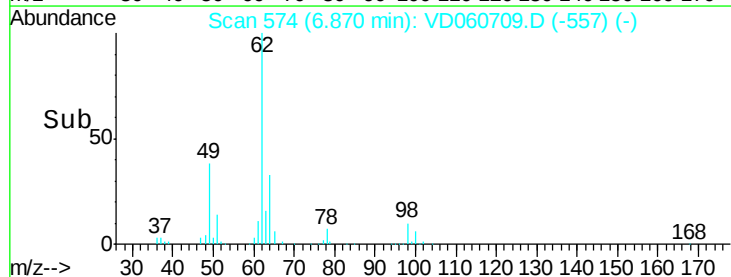
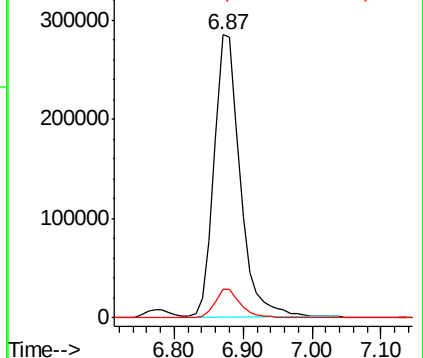
62 100

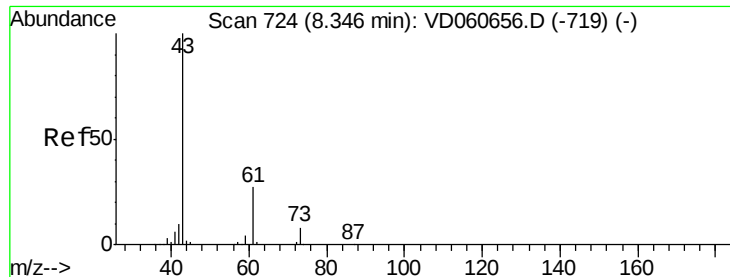
98 9.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 49.603 ug/l

RT: 8.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

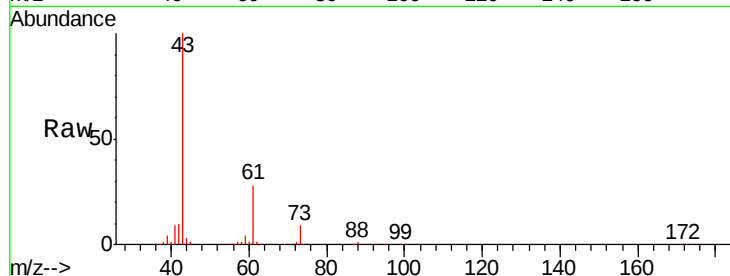
Tgt Ion: 43 Resp: 636202

Ion Ratio Lower Upper

43 100

61 28.1 21.8 32.8

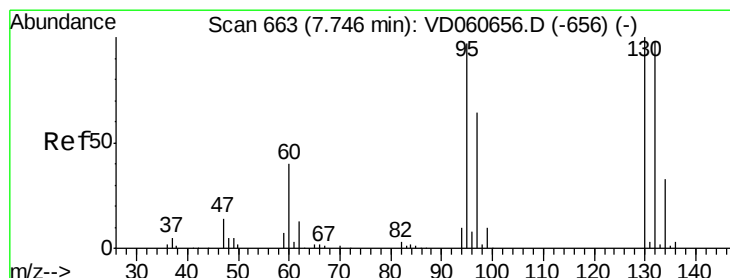
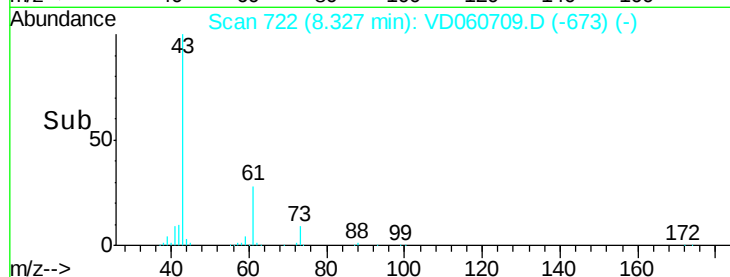
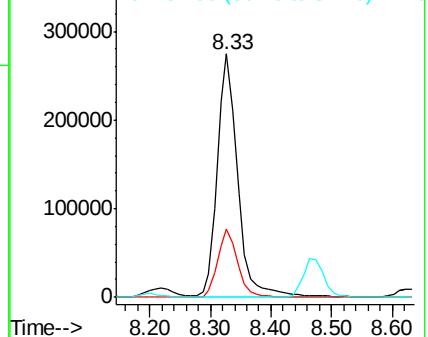
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.379 ug/l

RT: 7.72 min Scan# 660

Delta R.T. -0.03 min

Lab File: VD060709.D

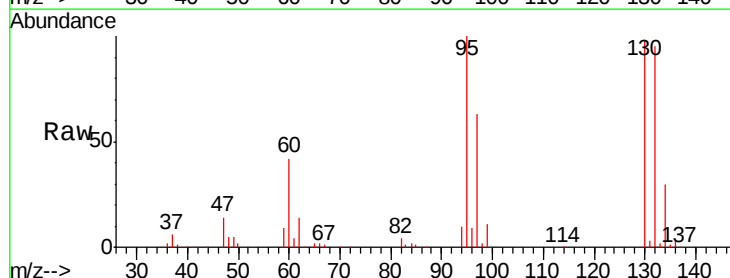
Acq: 26 Dec 2018 10:28

Tgt Ion: 130 Resp: 920443

Ion Ratio Lower Upper

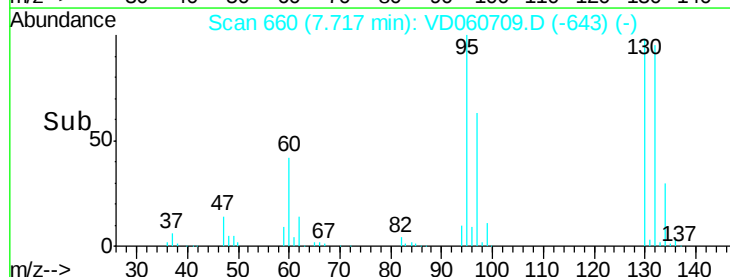
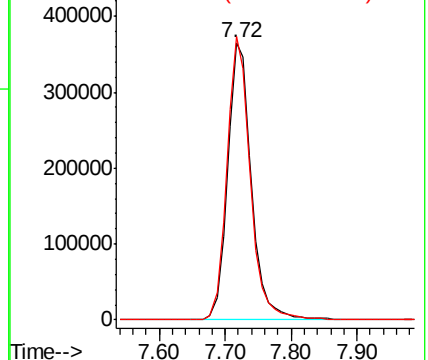
130 100

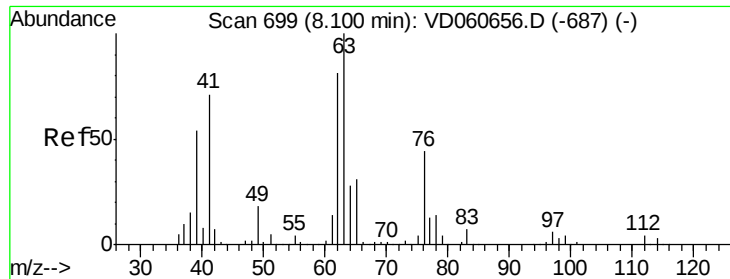
95 102.1 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.745 ug/l

RT: 8.08 min Scan# 697

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

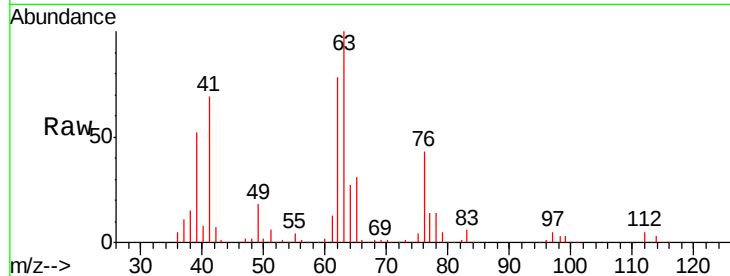
VSTDCCC050

Tgt Ion: 63 Resp: 753067

Ion Ratio Lower Upper

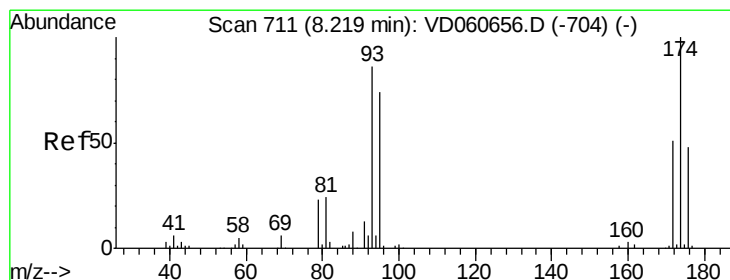
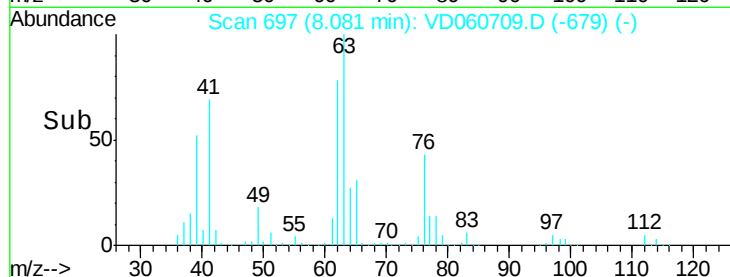
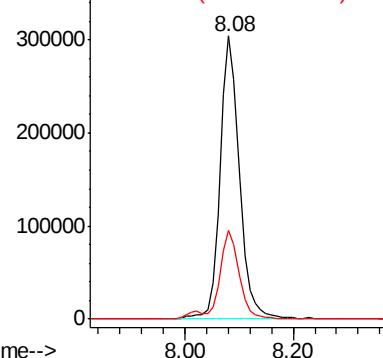
63 100

65 31.5 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: 50.285 ug/l

RT: 8.20 min Scan# 709

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

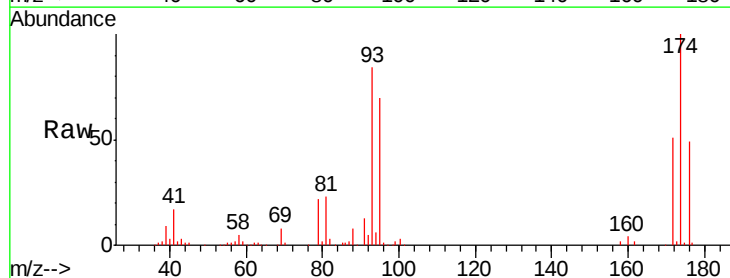
Tgt Ion: 93 Resp: 434467

Ion Ratio Lower Upper

93 100

95 83.1 68.8 103.2

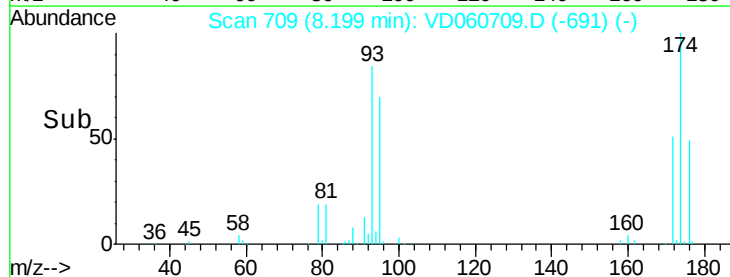
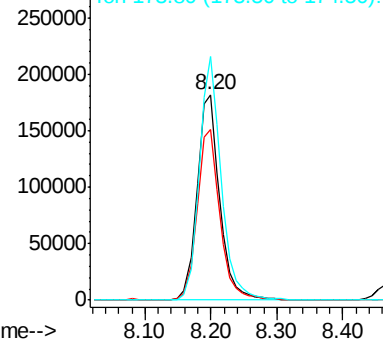
174 118.6 93.0 139.4

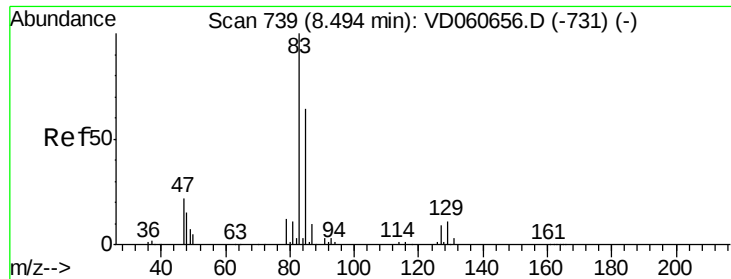


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 50.882 ug/l

RT: 8.46 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

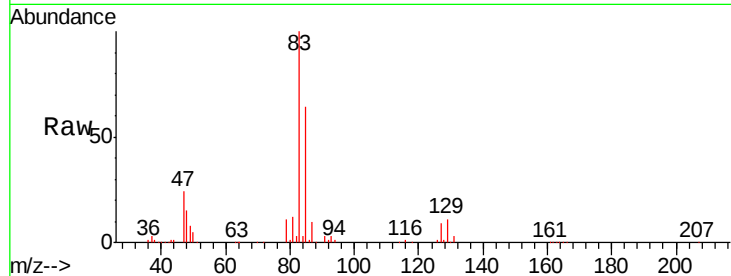
Tgt Ion: 83 Resp: 1041235

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

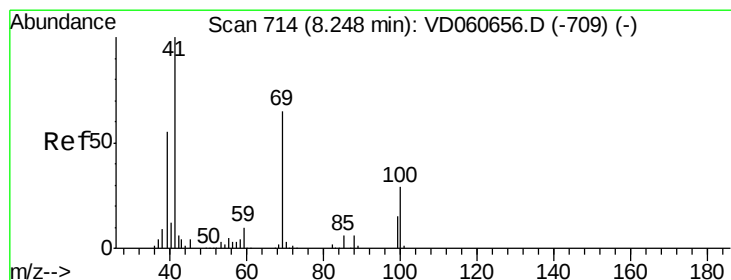
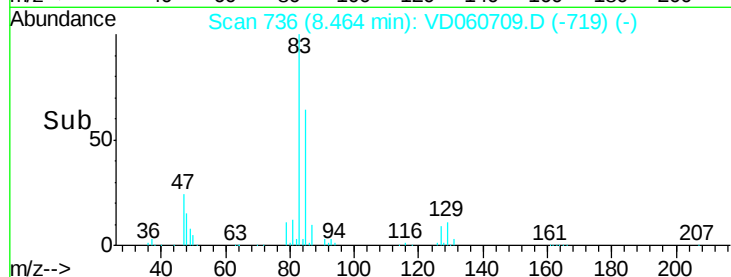
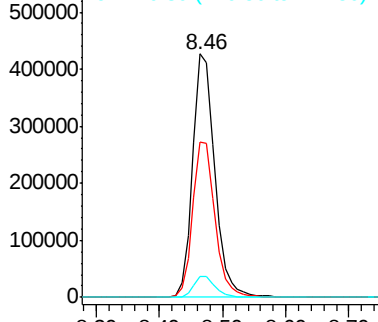
127 8.5 7.0 10.6



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: 50.883 ug/l

RT: 8.22 min Scan# 711

Delta R.T. -0.03 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

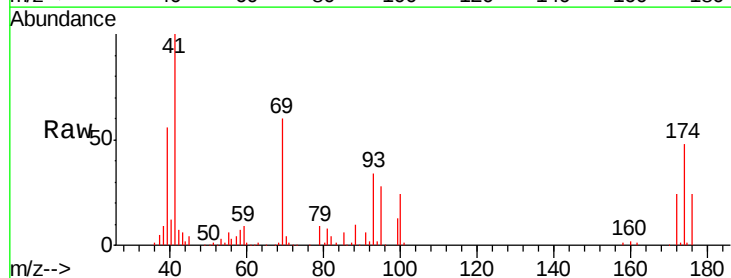
Tgt Ion: 41 Resp: 396382

Ion Ratio Lower Upper

41 100

69 59.8 51.2 76.8

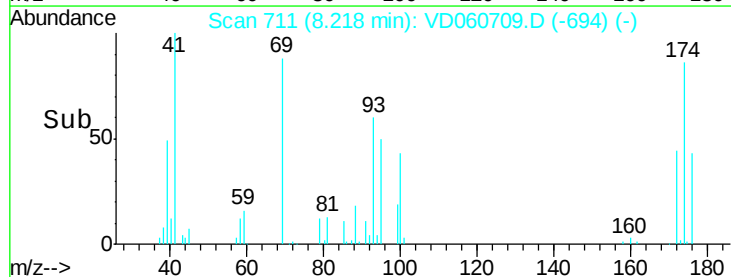
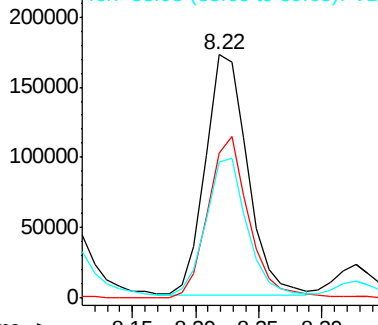
39 56.0 44.6 67.0

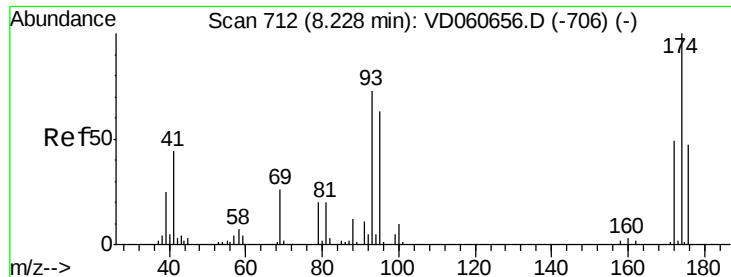


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

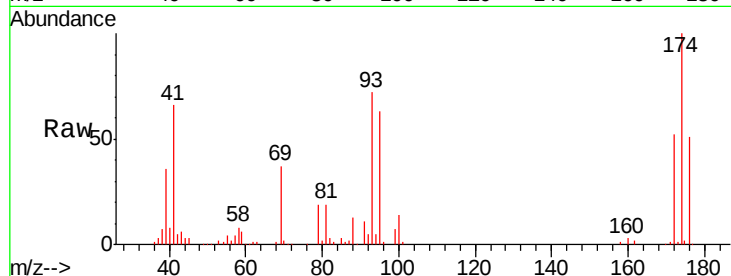




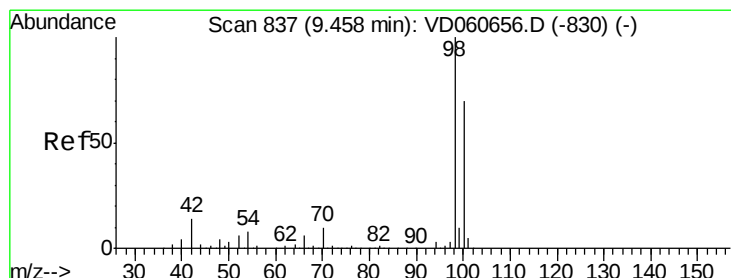
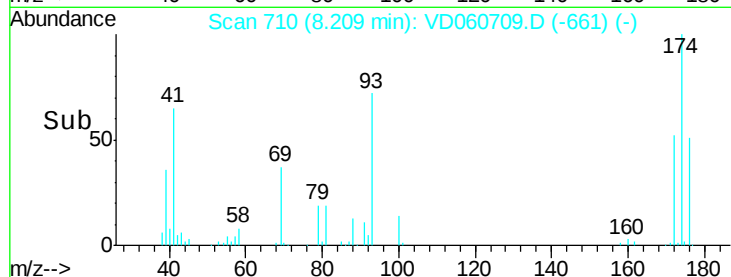
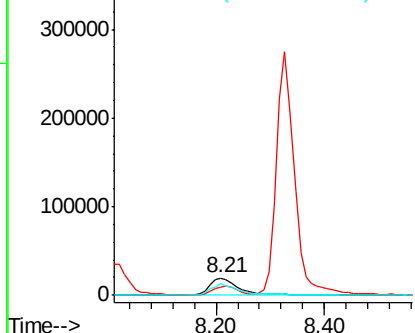
#49
1,4-Dioxane
Concen: 1031.649 ug/l
RT: 8.21 min Scan# 710
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 74723
Ion Ratio Lower Upper
88 100
43 46.2 31.5 47.3
58 66.0 50.6 76.0

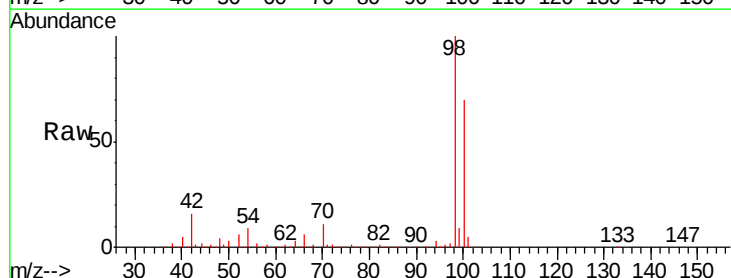


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

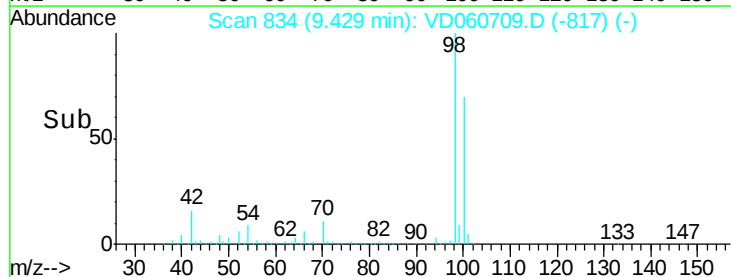
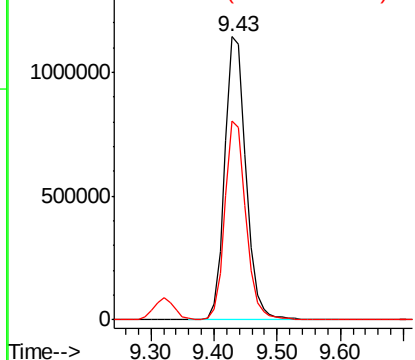


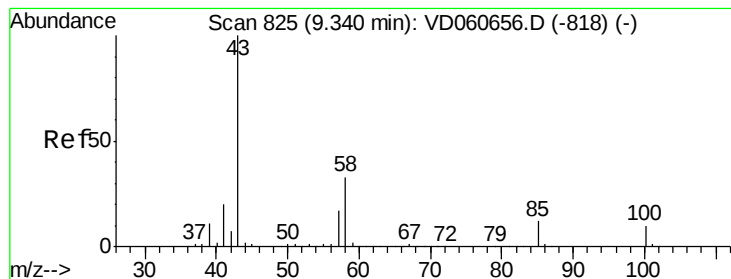
#50
Toluene-d8
Concen: 1031.649 ug/l
RT: 9.43 min Scan# 834
Delta R.T. -0.03 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 98 Resp: 2667422
Ion Ratio Lower Upper
98 100
100 70.5 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 245.989 ug/l

RT: 9.32 min Scan# 823

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

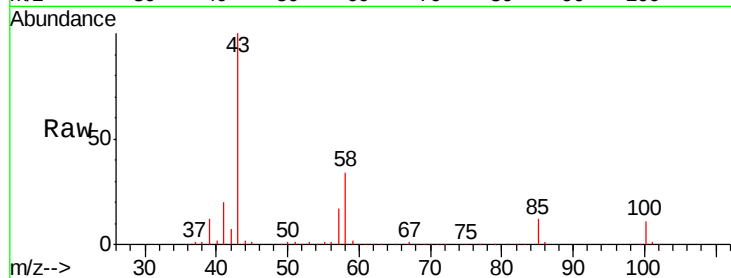
VSTDCCC050

Tgt Ion: 43 Resp: 1933000

Ion Ratio Lower Upper

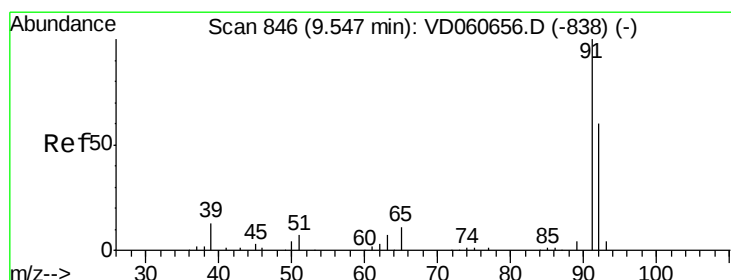
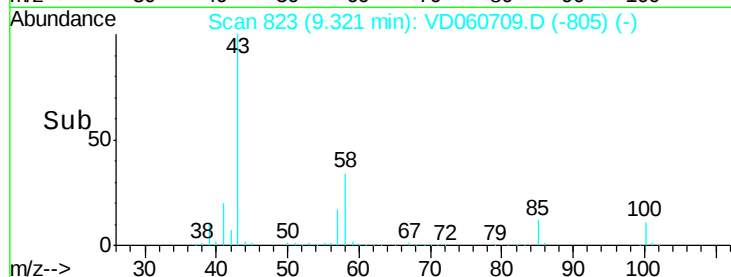
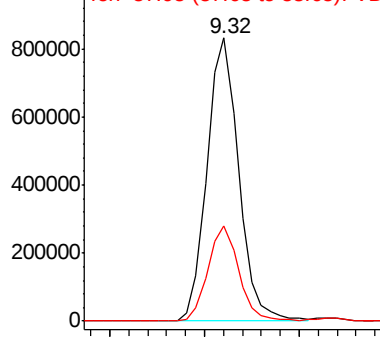
43 100

58 33.7 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: 48.348 ug/l

RT: 9.53 min Scan# 844

Delta R.T. -0.02 min

Lab File: VD060709.D

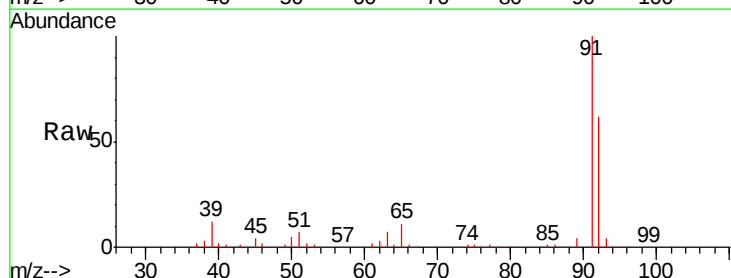
Acq: 26 Dec 2018 10:28

Tgt Ion: 92 Resp: 1870941

Ion Ratio Lower Upper

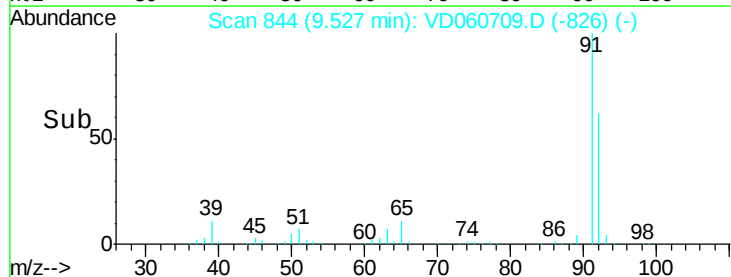
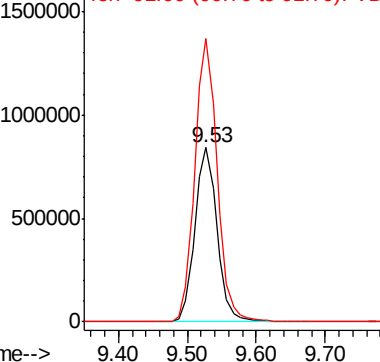
92 100

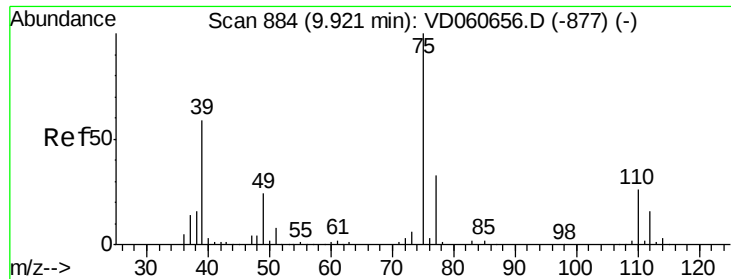
91 162.4 132.6 199.0



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: 51.644 ug/l

RT: 9.89 min Scan# 881

Delta R.T. -0.03 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

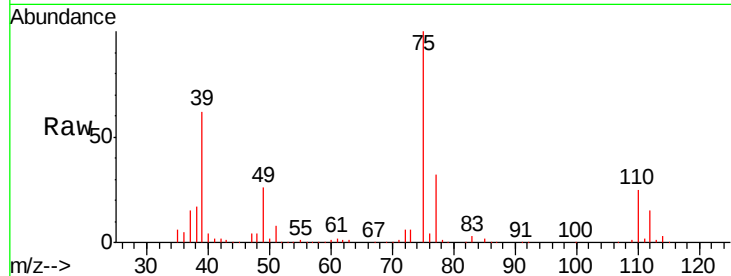
VSTDCCC050

Tgt Ion: 75 Resp: 881692

Ion Ratio Lower Upper

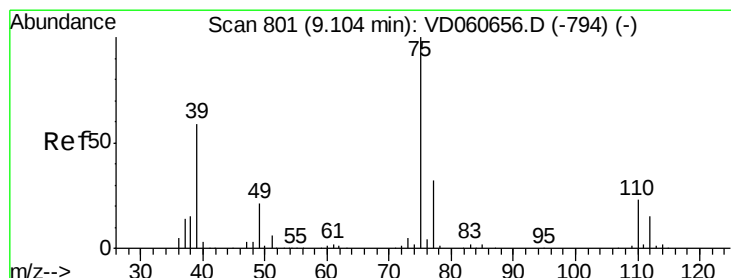
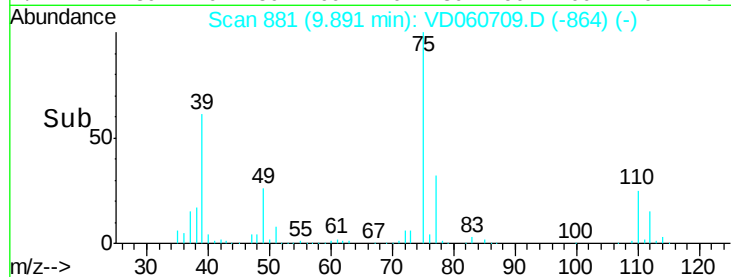
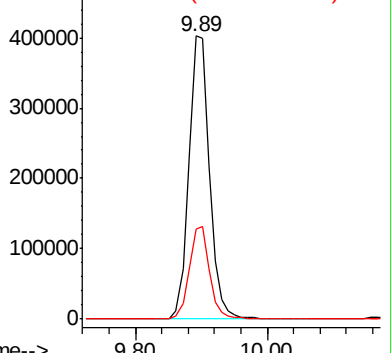
75 100

77 32.0 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.285 ug/l

RT: 9.08 min Scan# 799

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

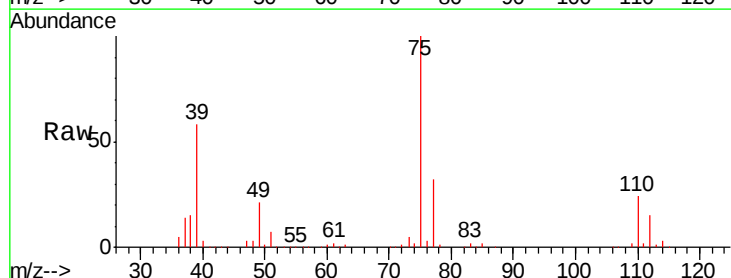
Tgt Ion: 75 Resp: 1146025

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

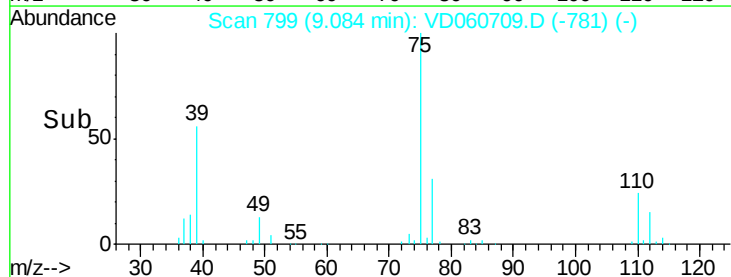
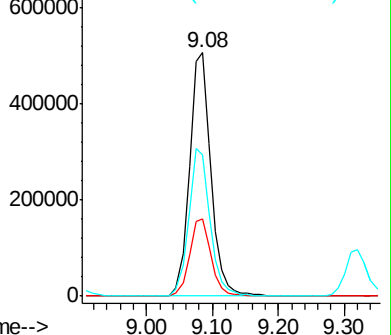
39 58.2 47.0 70.4

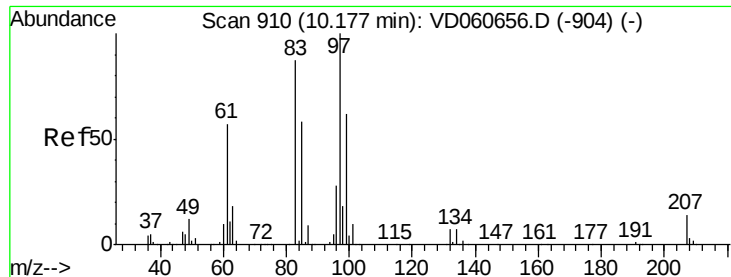


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

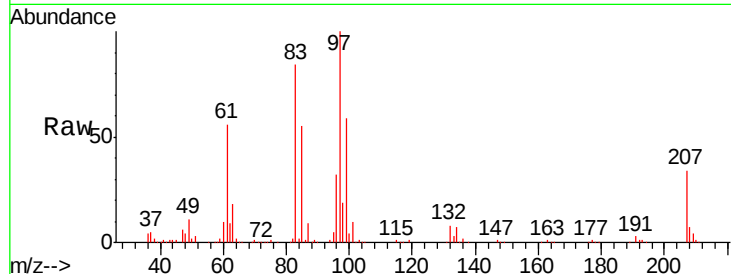




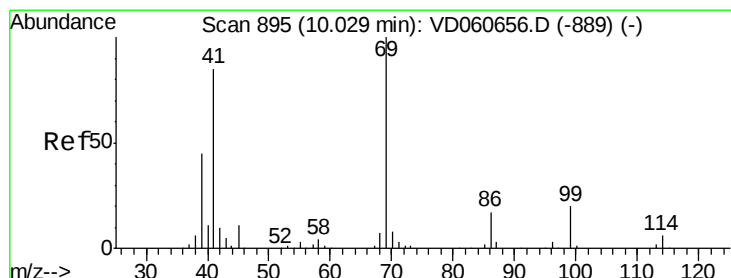
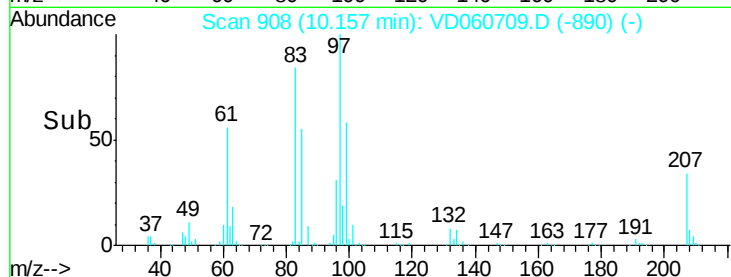
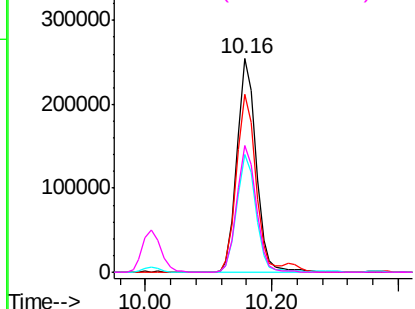
#55
 1,1,2-Trichloroethane
 Concen: 50.794 ug/l
 RT: 10.16 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	528866
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.0	105.0
85	55.0	46.6	70.0
99	59.2	49.6	74.4

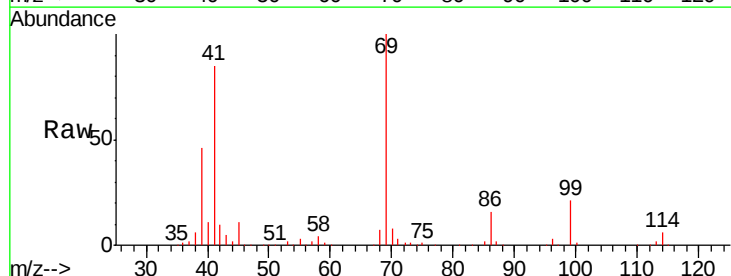


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

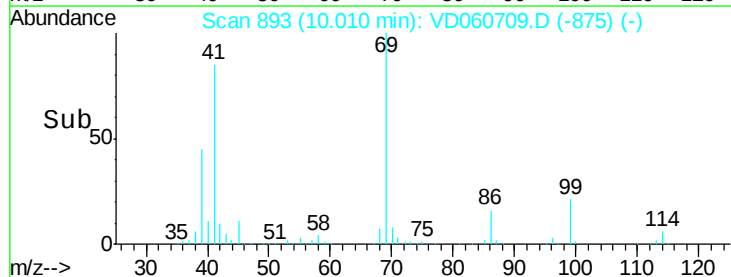
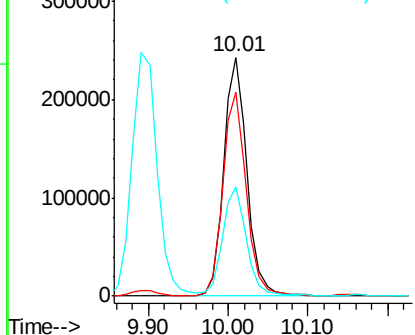


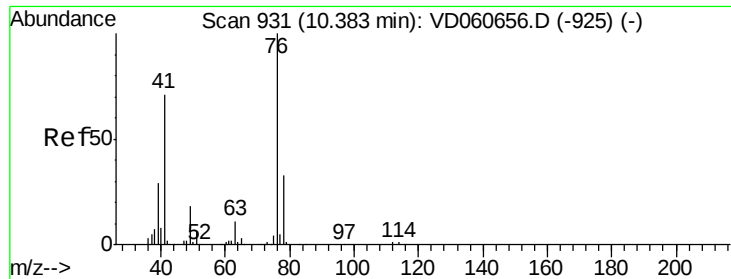
#56
 Ethyl methacrylate
 Concen: 51.539 ug/l
 RT: 10.01 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion:	69	Resp:	498431
Ion	Ratio	Lower	Upper
69	100		
41	85.2	68.3	102.5
39	45.5	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

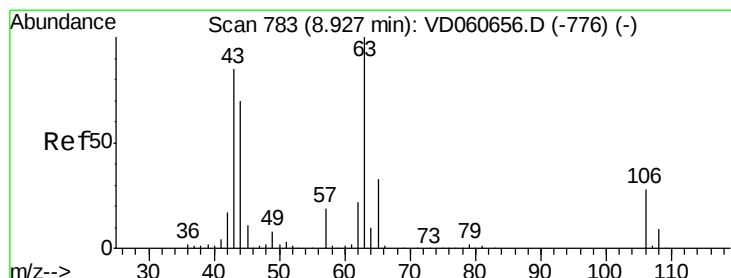
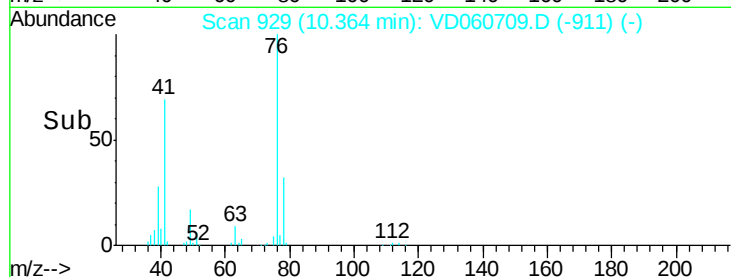
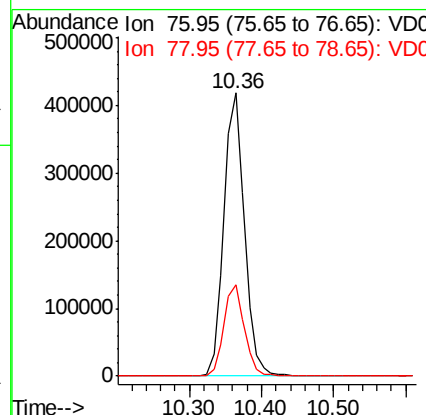
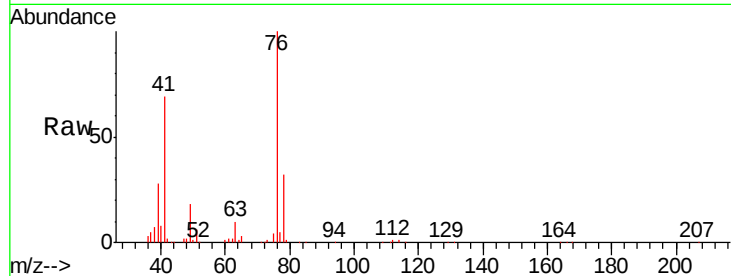




#57
 1,3-Dichloropropane
 Concen: 49.716 ug/l
 RT: 10.36 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

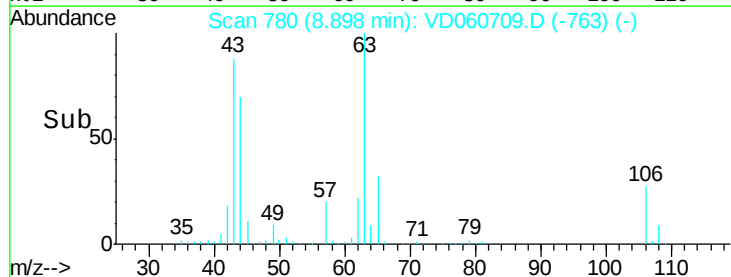
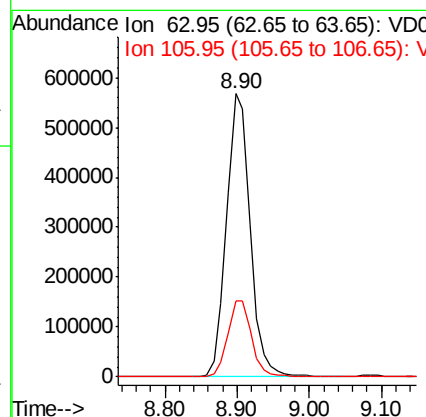
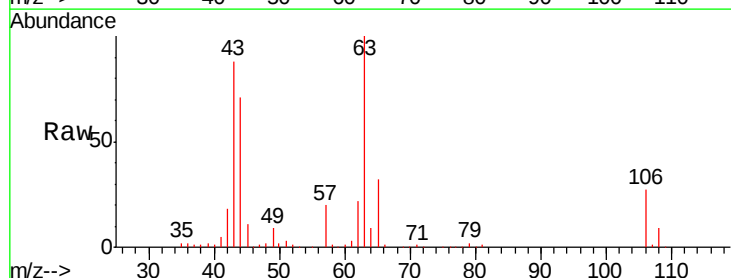
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

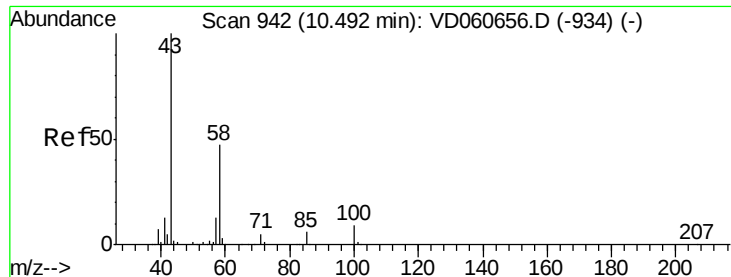
Tgt Ion: 76 Resp: 820493
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.260 ug/l
 RT: 8.90 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 63 Resp: 1289302
 Ion Ratio Lower Upper
 63 100
 106 26.9 22.4 33.6

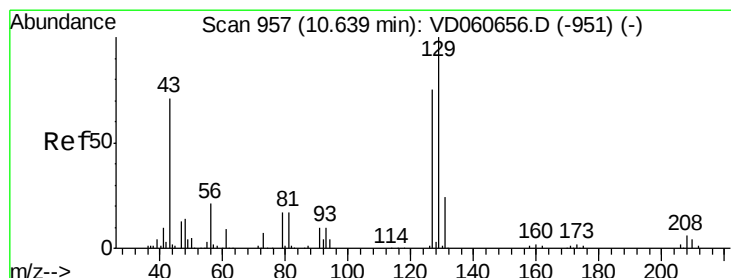
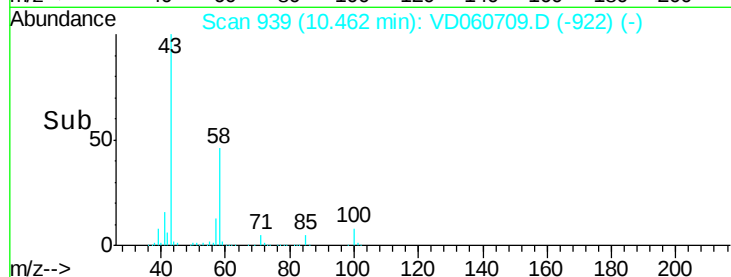
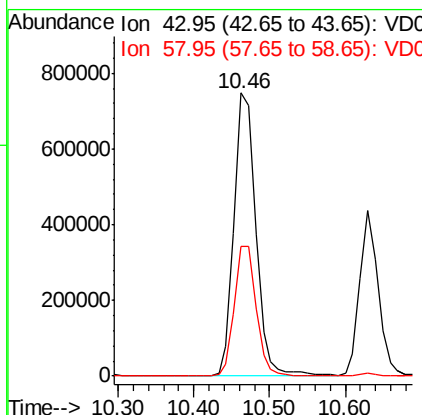
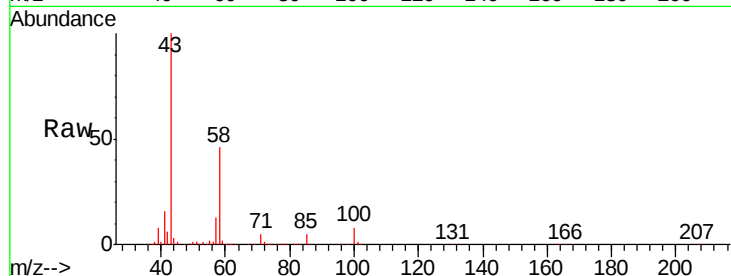




#59
2-Hexanone
Concen: 271.705 ug/l
RT: 10.46 min Scan# 939
Delta R.T. -0.03 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

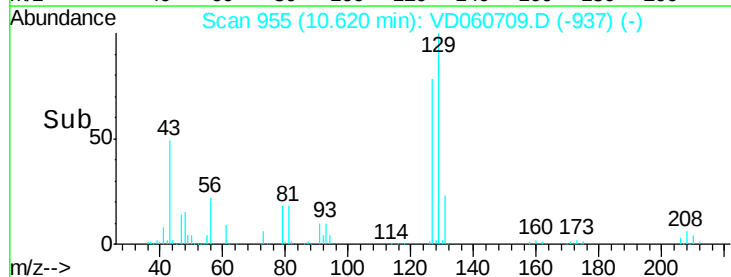
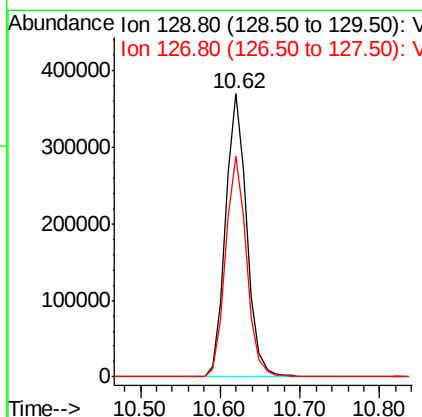
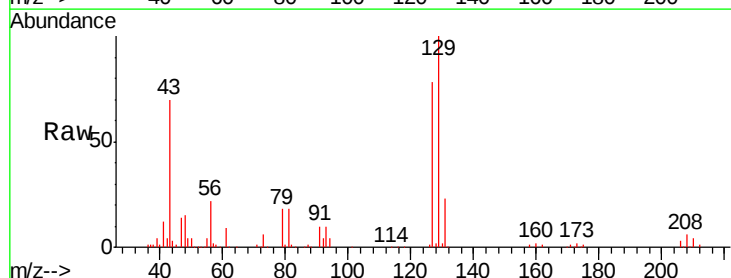
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

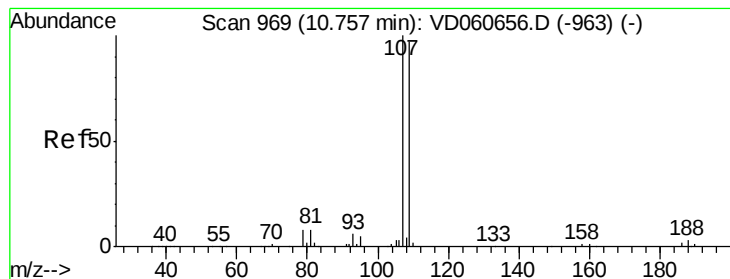
Tgt Ion: 43 Resp: 1494474
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.5



#60
Dibromochloromethane
Concen: 52.311 ug/l
RT: 10.62 min Scan# 955
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 129 Resp: 693760
Ion Ratio Lower Upper
129 100
127 78.1 37.6 112.9





#61

1,2-Dibromoethane

Concen: 51.585 ug/l

RT: 10.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

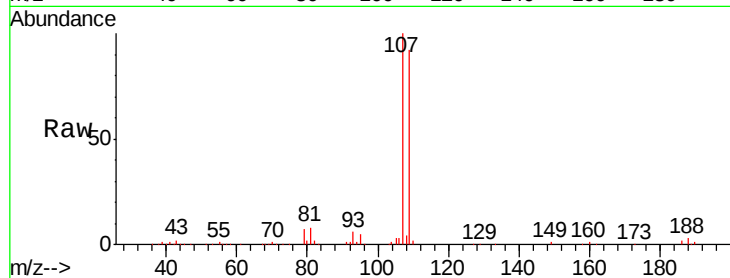
VSTDCCC050

Tgt Ion: 107 Resp: 557098

Ion Ratio Lower Upper

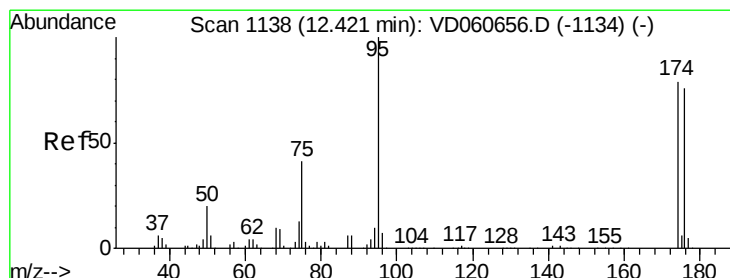
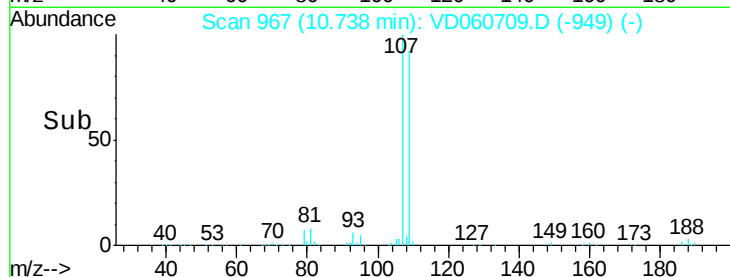
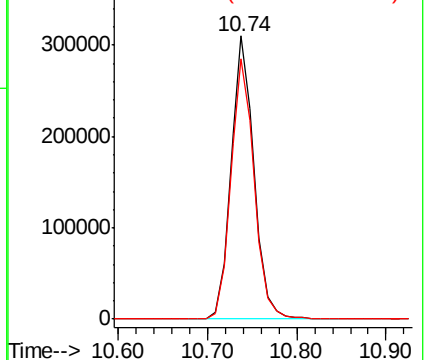
107 100

109 91.9 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: 51.585 ug/l

RT: 12.41 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

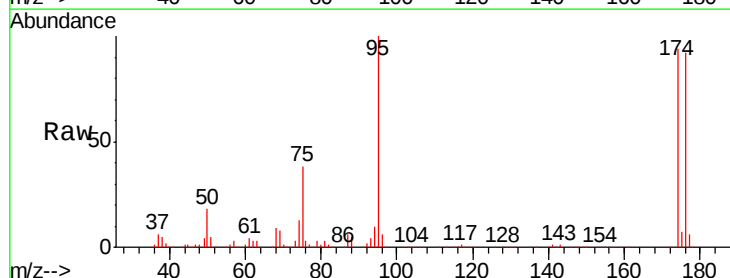
Tgt Ion: 95 Resp: 959757

Ion Ratio Lower Upper

95 100

174 93.6 0.0 158.2

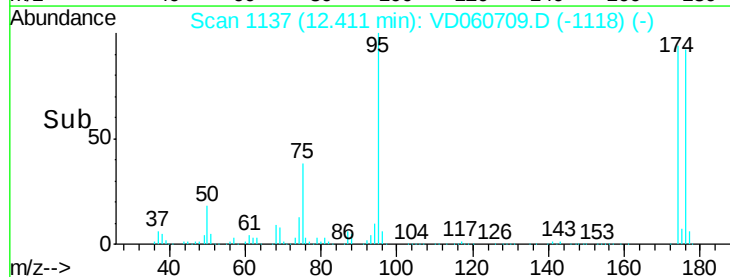
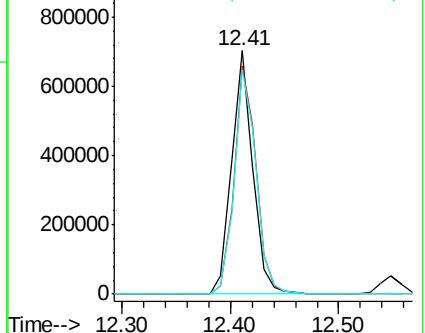
176 92.0 0.0 152.4

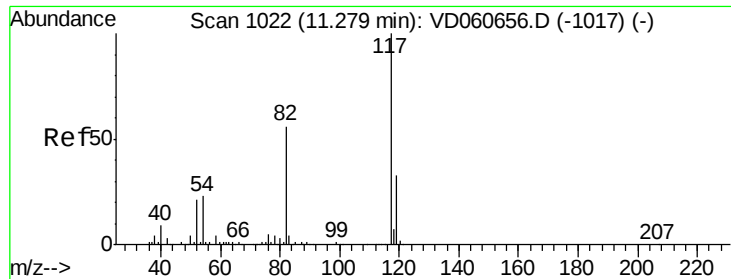


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

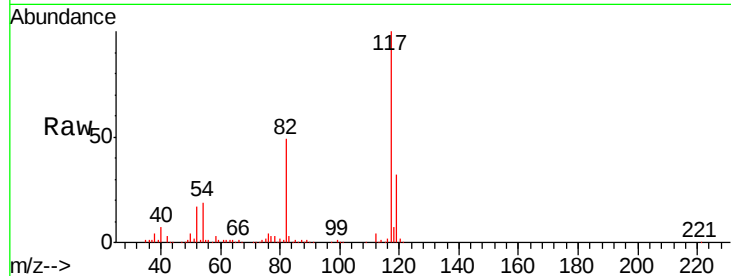




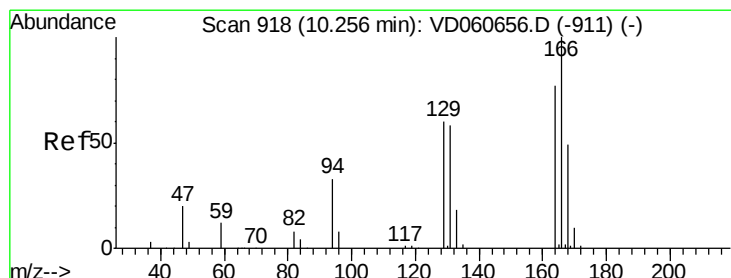
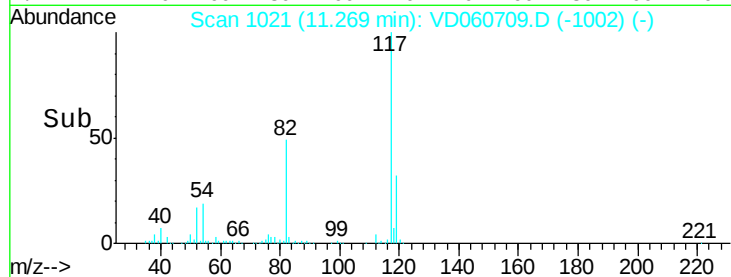
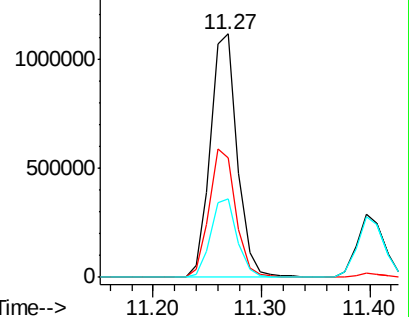
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1925355
Ion Ratio Lower Upper
117 100
82 48.9 44.5 66.7
119 32.5 26.3 39.5

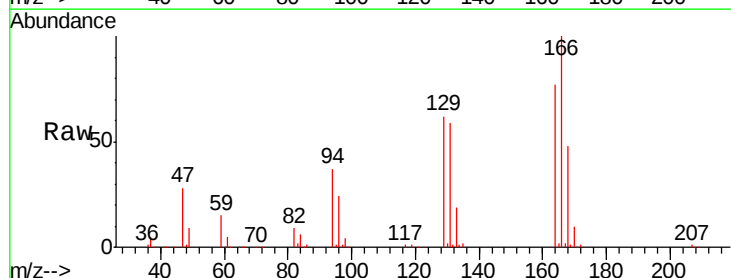


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

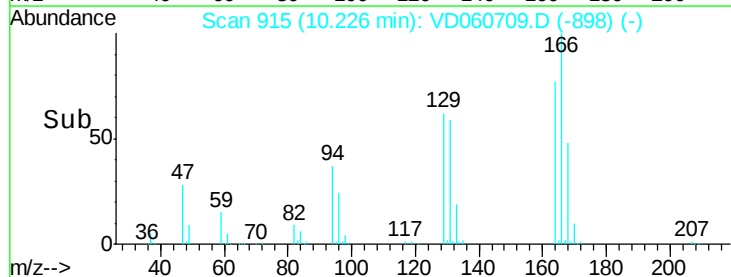
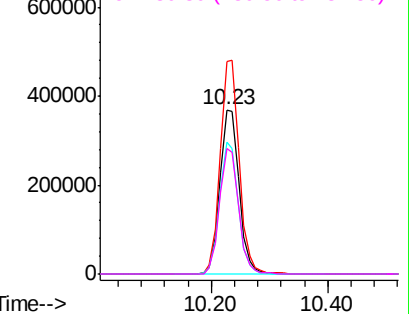


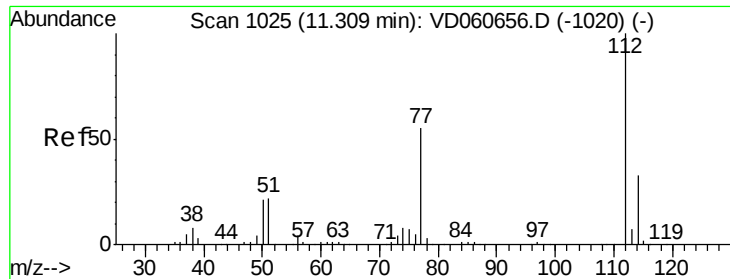
#64
Tetrachloroethene
Concen: 48.213 ug/l
RT: 10.23 min Scan# 915
Delta R.T. -0.03 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion:164 Resp: 841345
Ion Ratio Lower Upper
164 100
166 129.1 104.4 156.6
129 80.6 62.7 94.1
131 76.4 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

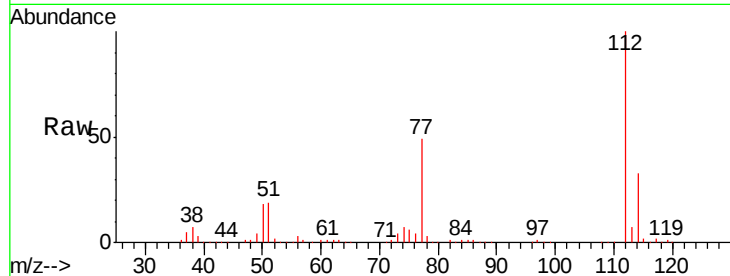




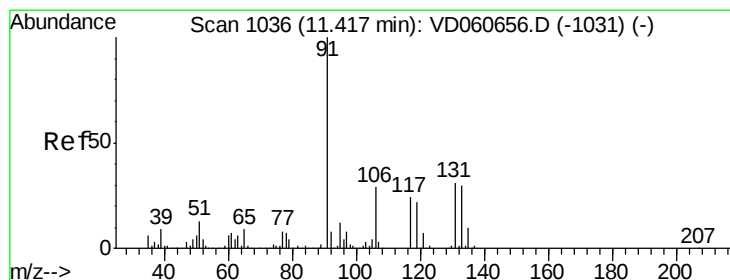
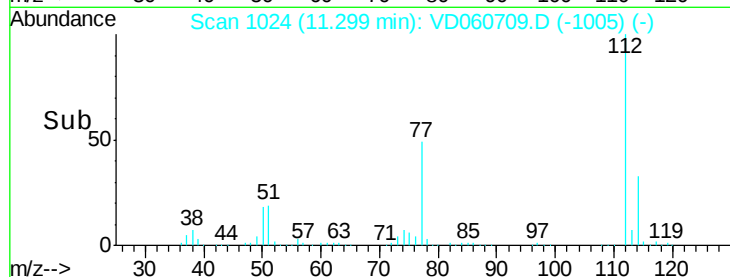
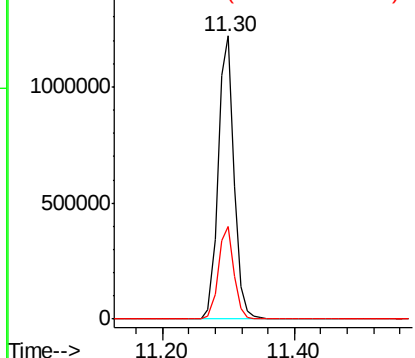
#65
Chlorobenzene
Concen: 47.720 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 2029918
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

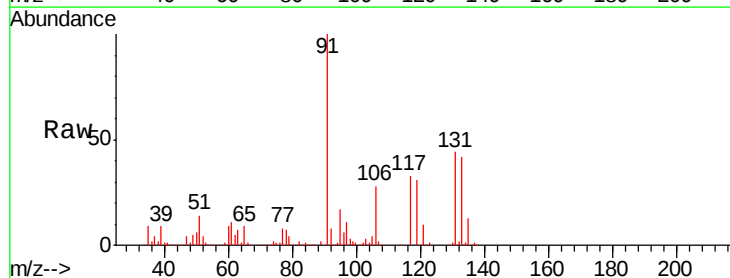


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

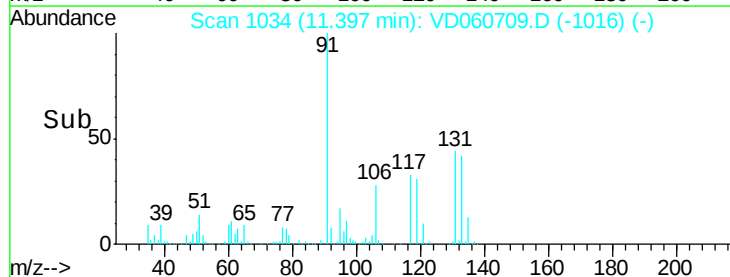
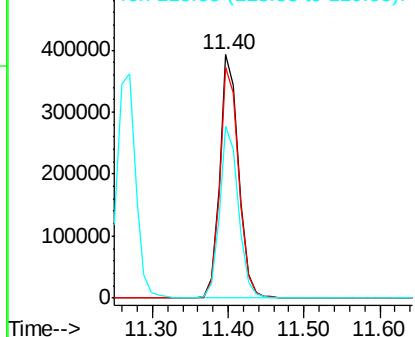


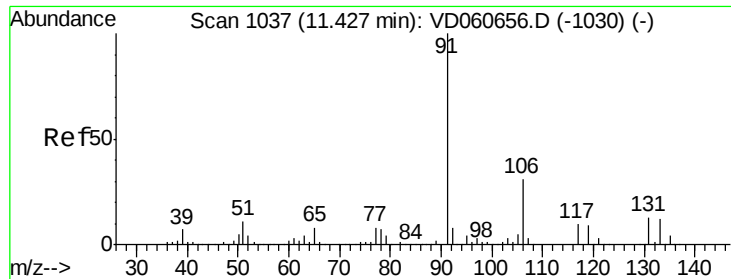
#66
1,1,1,2-Tetrachloroethane
Concen: 50.005 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion:131 Resp: 683929
Ion Ratio Lower Upper
131 100
133 94.8 49.1 147.3
119 70.9 36.6 109.8



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

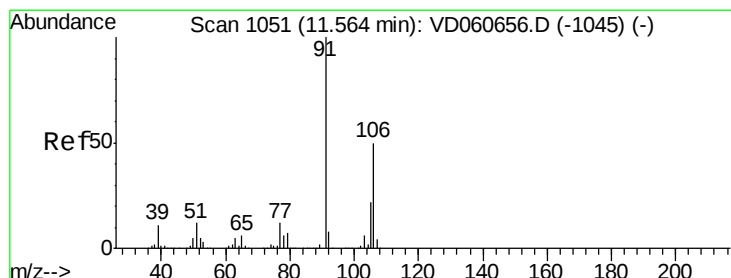
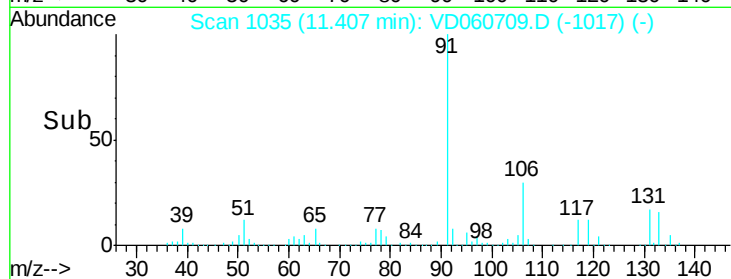
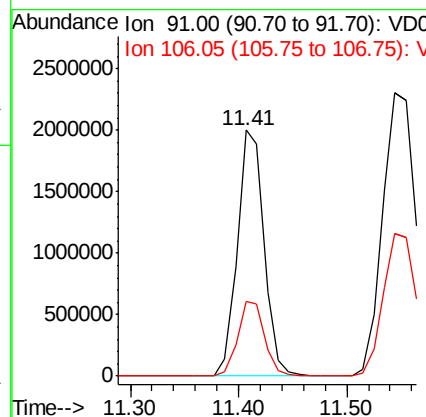
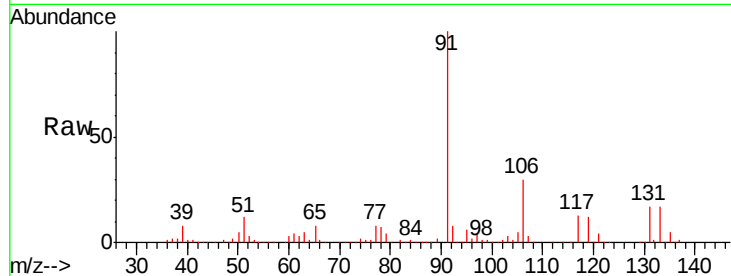




#67
Ethyl Benzene
Concen: 47.139 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

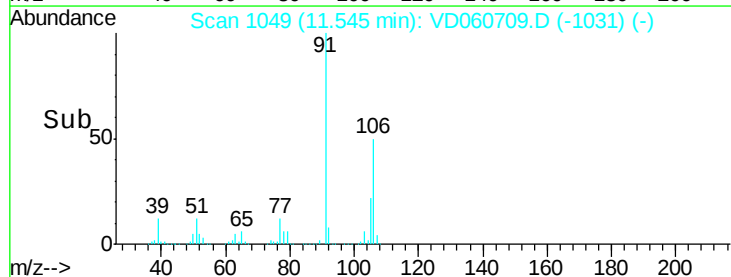
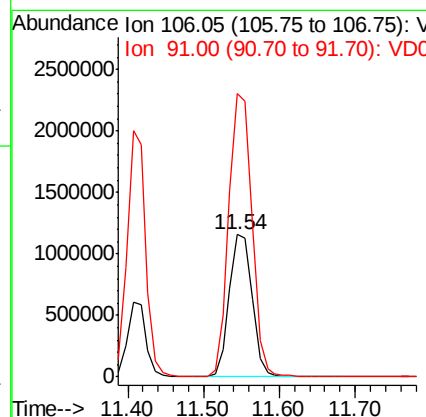
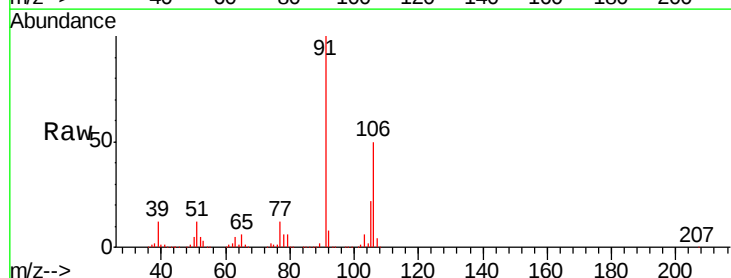
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3434104
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 90.725 ug/l
RT: 11.54 min Scan# 1049
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion: 106 Resp: 2415416
Ion Ratio Lower Upper
106 100
91 199.3 158.9 238.3

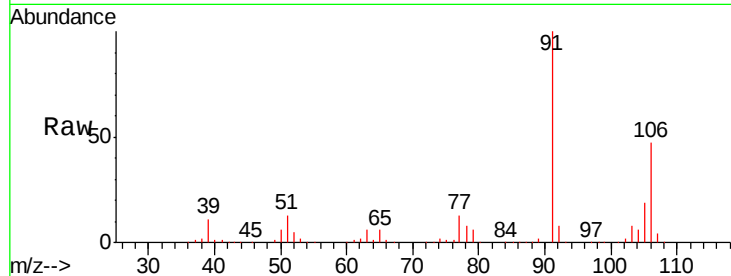




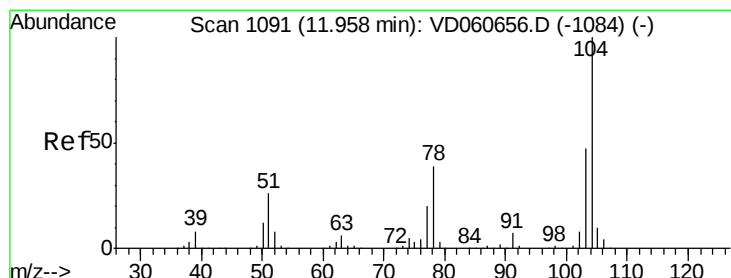
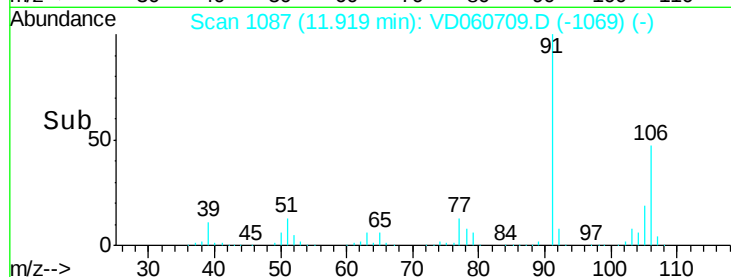
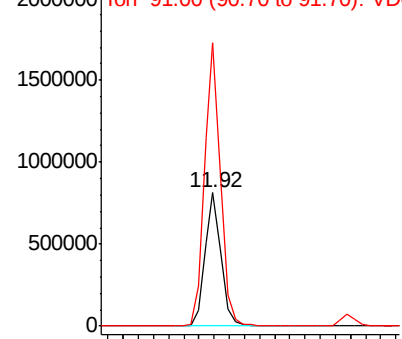
#69
o-Xylene
Concen: 47.804 ug/l
RT: 11.92 min Scan# 1087
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1207470
Ion Ratio Lower Upper
106 100
91 212.8 101.5 304.5

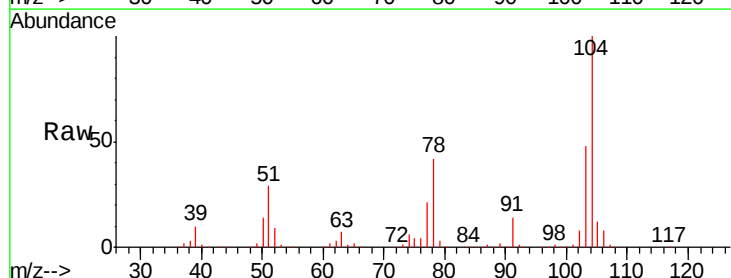


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

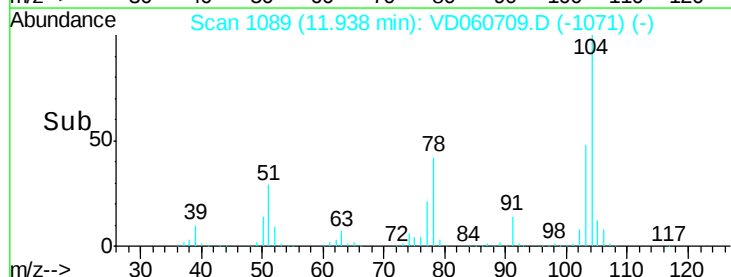
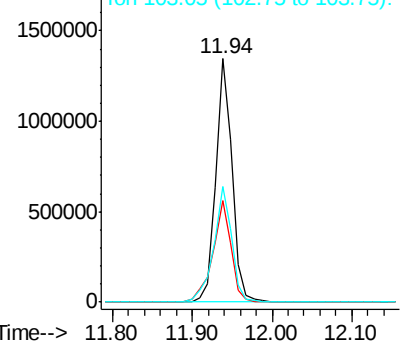


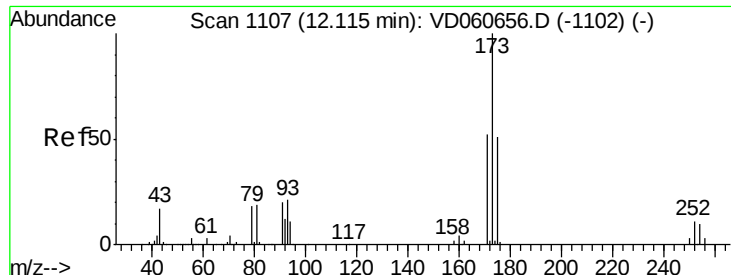
#70
Styrene
Concen: 47.773 ug/l
RT: 11.94 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion:104 Resp: 1943428
Ion Ratio Lower Upper
104 100
78 41.8 31.4 47.2
103 47.5 37.5 56.3



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

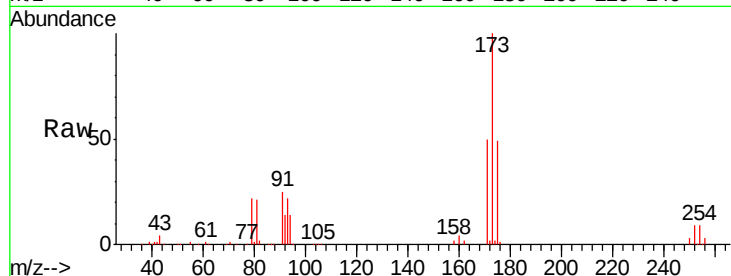




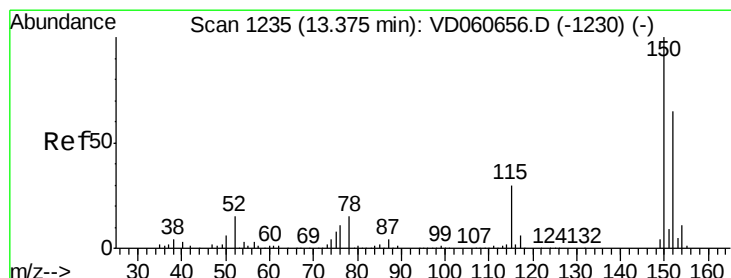
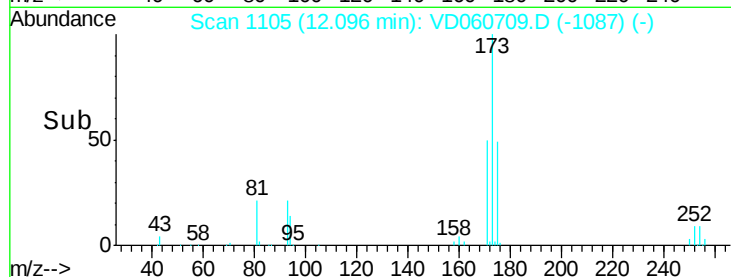
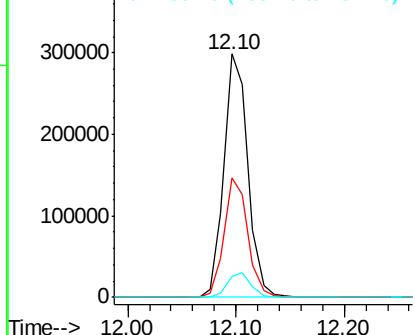
#71
Bromoform
Concen: 50.965 ug/l
RT: 12.10 min Scan# 1105
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 460125
Ion Ratio Lower Upper
173 100
175 49.3 25.5 76.5
254 8.7 7.9 11.9

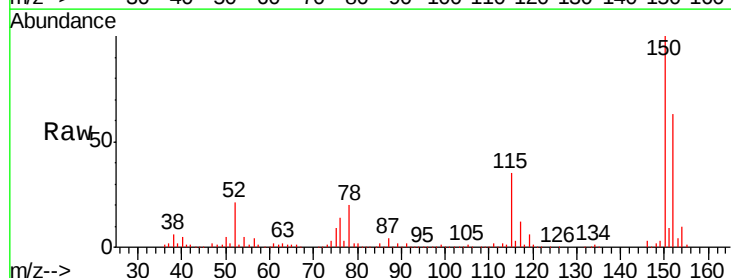


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

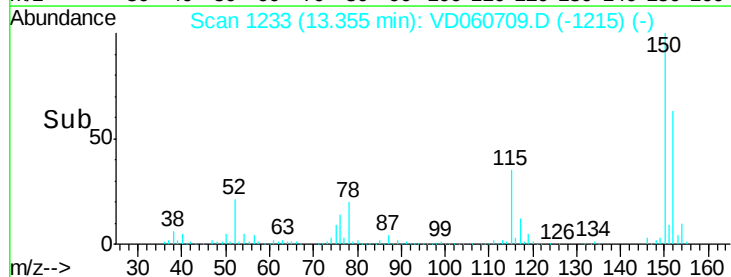
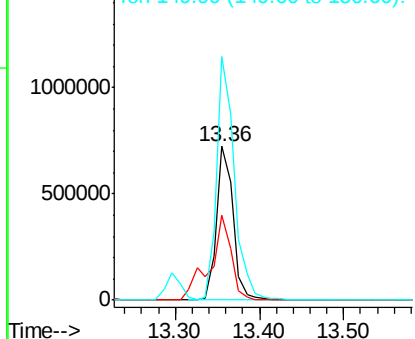


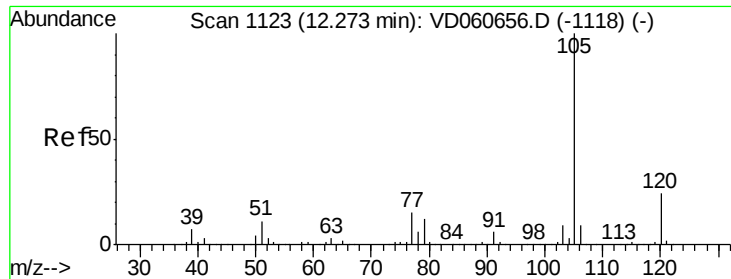
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion:152 Resp: 981275
Ion Ratio Lower Upper
152 100
115 55.1 24.1 72.3
150 158.5 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: 47.356 ug/l

RT: 12.26 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

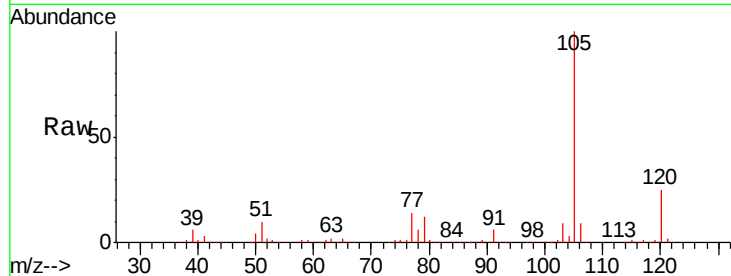
VSTDCCC050

Tgt Ion:105 Resp: 3308553

Ion Ratio Lower Upper

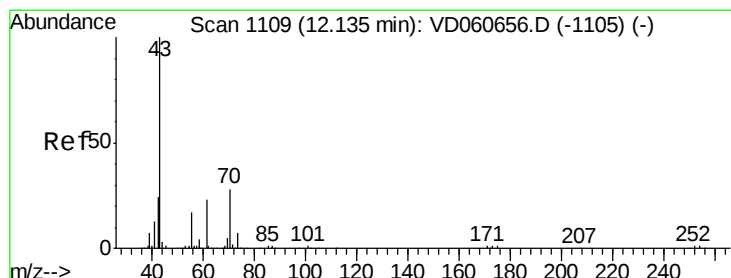
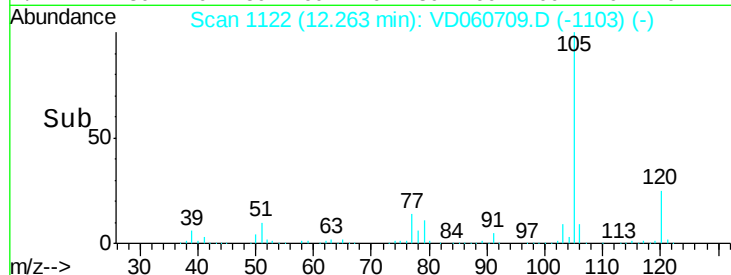
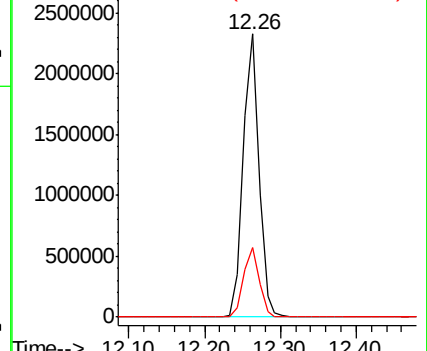
105 100

120 24.8 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: 50.260 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Tgt Ion: 43 Resp: 828738

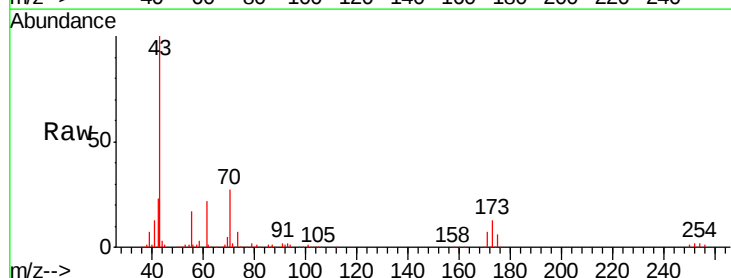
Ion Ratio Lower Upper

43 100

70 27.3 22.2 33.2

55 17.3 13.8 20.8

61 21.9 18.2 27.2

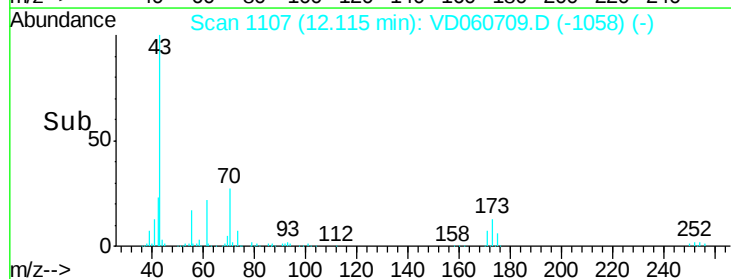
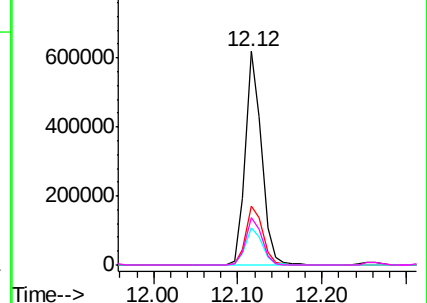


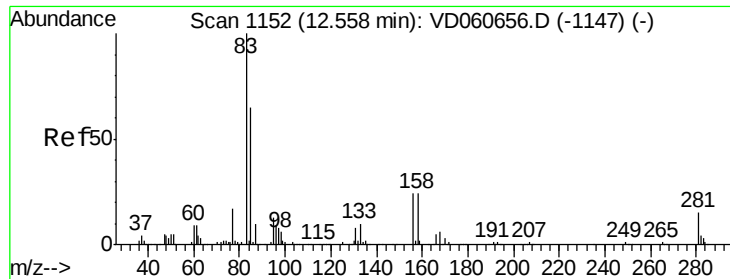
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.239 ug/l

RT: 12.55 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

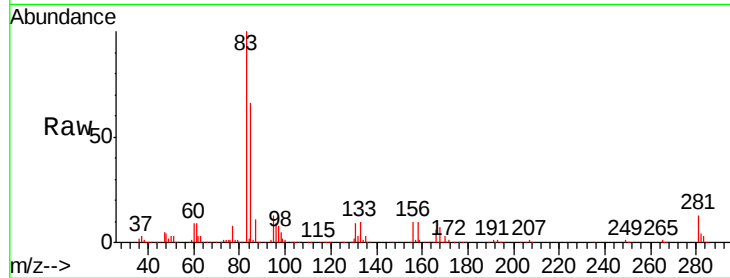
Tgt Ion: 83 Resp: 557607

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.4

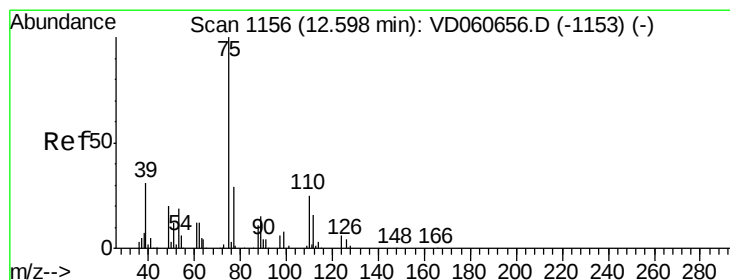
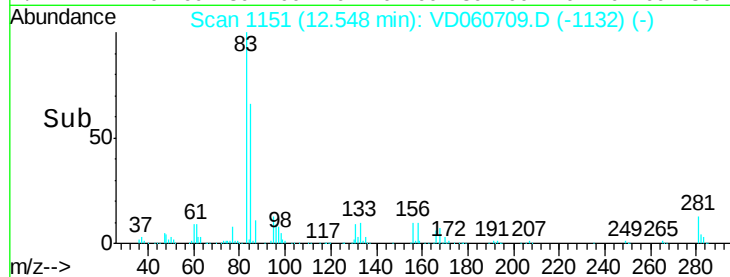
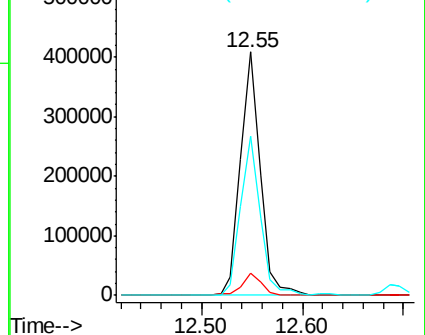
85 65.6 32.6 97.7



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: 49.611 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VD060709.D

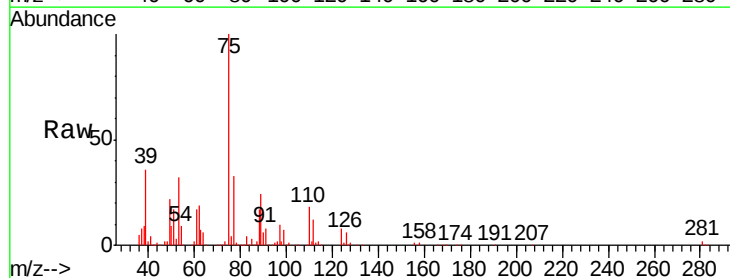
Acq: 26 Dec 2018 10:28

Tgt Ion: 75 Resp: 554234

Ion Ratio Lower Upper

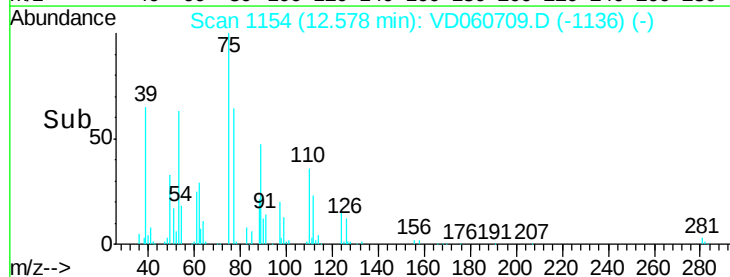
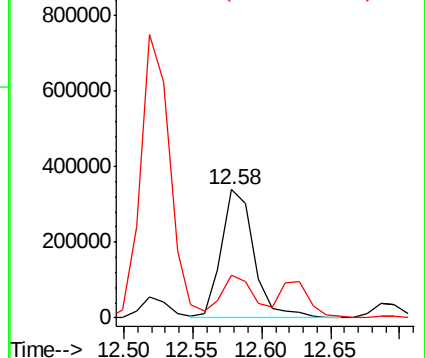
75 100

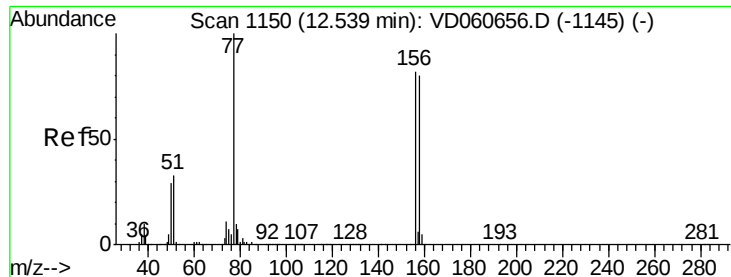
77 33.1 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.804 ug/l

RT: 12.53 min Scan# 1149

Delta R.T. -0.01 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

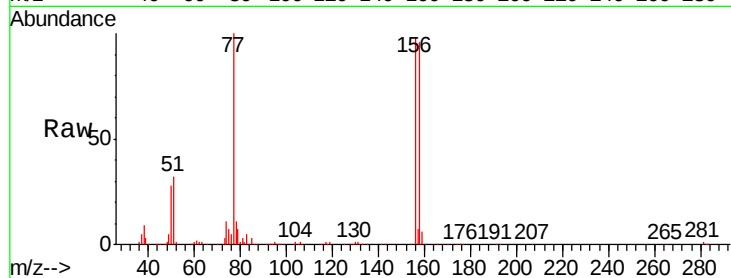
Tgt Ion:156 Resp: 900207

Ion Ratio Lower Upper

156 100

77 102.1 61.3 183.9

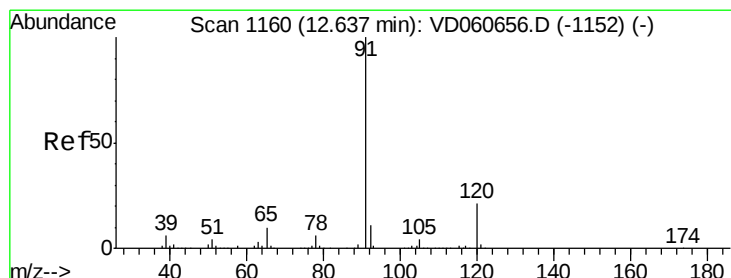
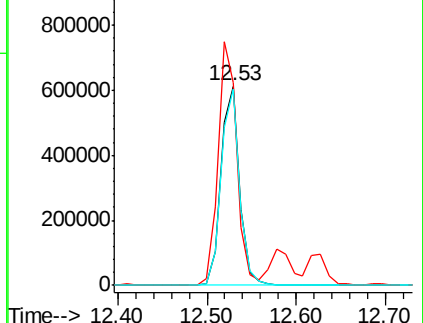
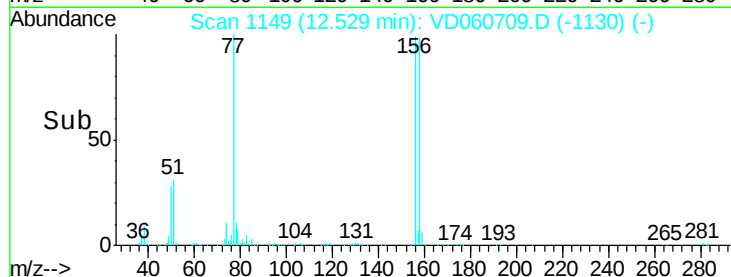
158 98.4 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.414 ug/l

RT: 12.63 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VD060709.D

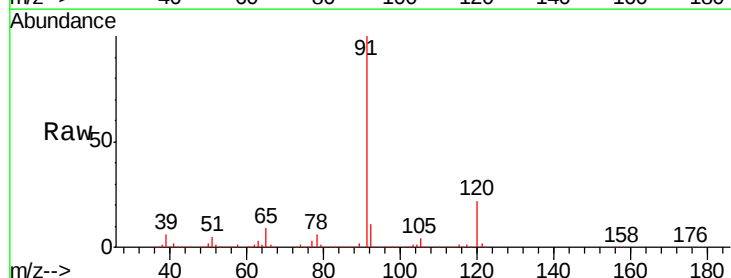
Acq: 26 Dec 2018 10:28

Tgt Ion: 91 Resp: 4234911

Ion Ratio Lower Upper

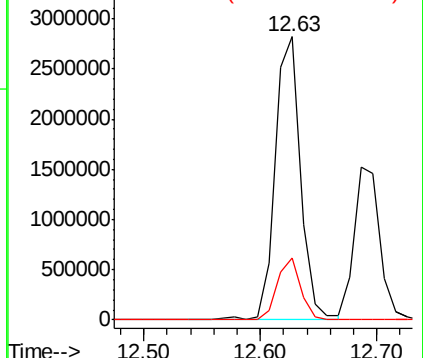
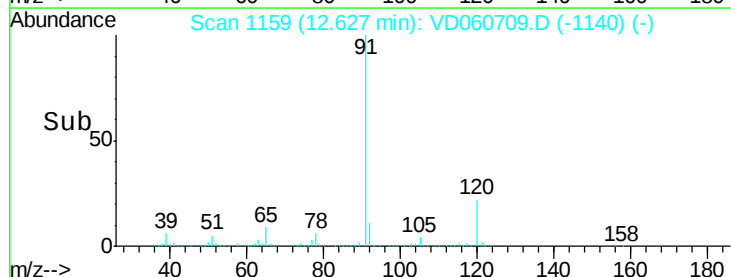
91 100

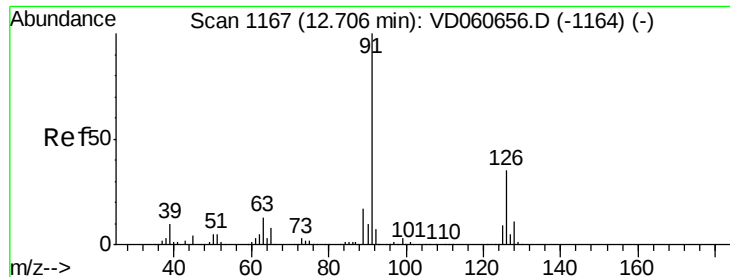
120 21.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

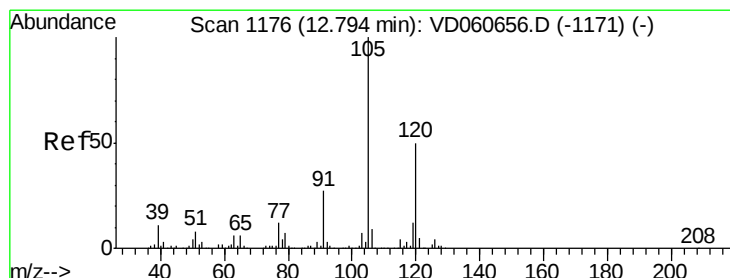
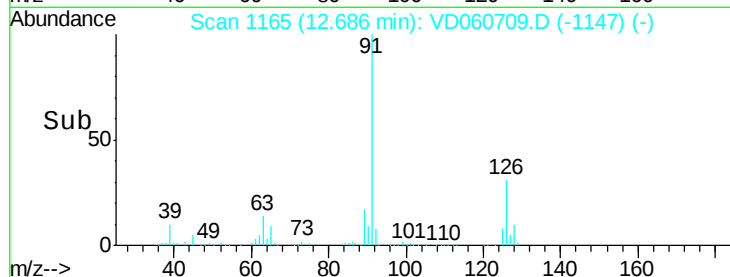
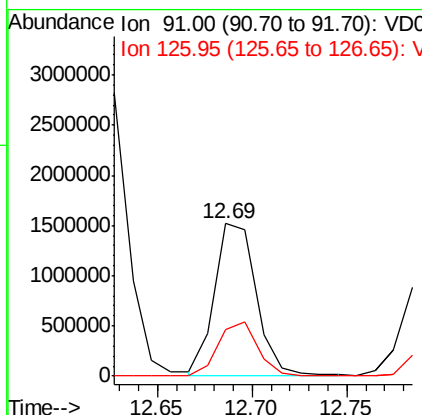
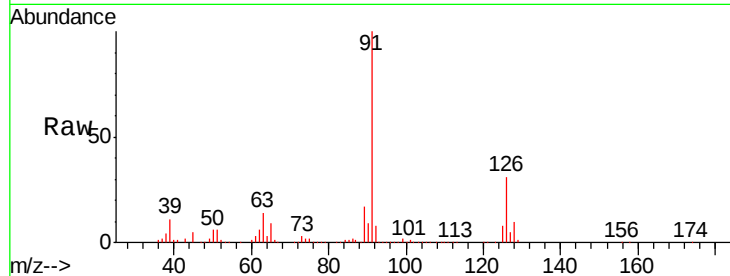




#79
 2-Chlorotoluene
 Concen: 48.400 ug/l
 RT: 12.69 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

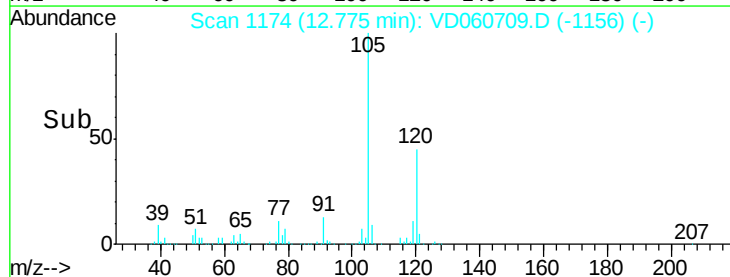
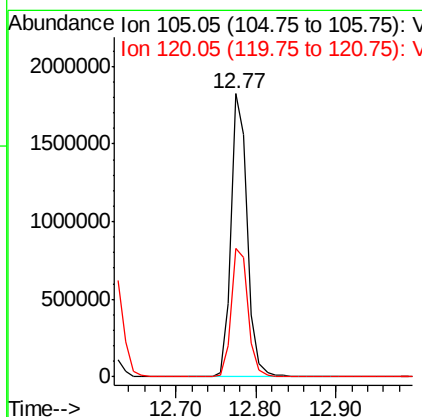
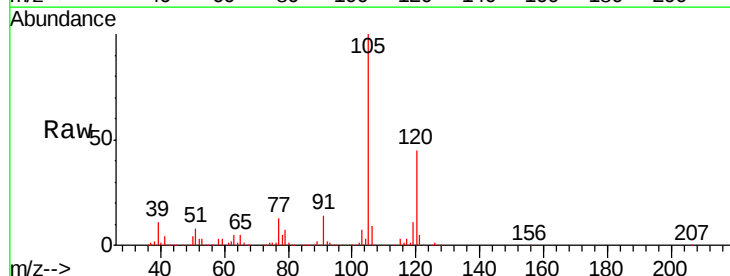
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

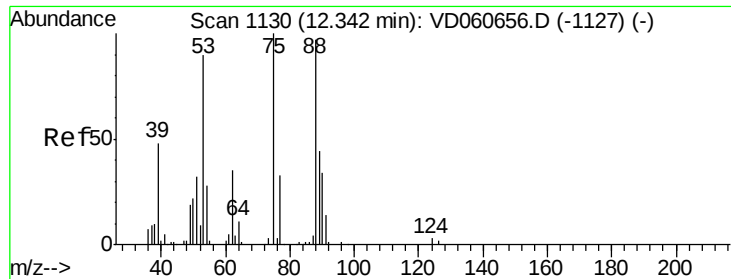
Tgt Ion: 91 Resp: 2315466
 Ion Ratio Lower Upper
 91 100
 126 30.8 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.326 ug/l
 RT: 12.77 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 105 Resp: 2607149
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.868 ug/l

RT: 12.32 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

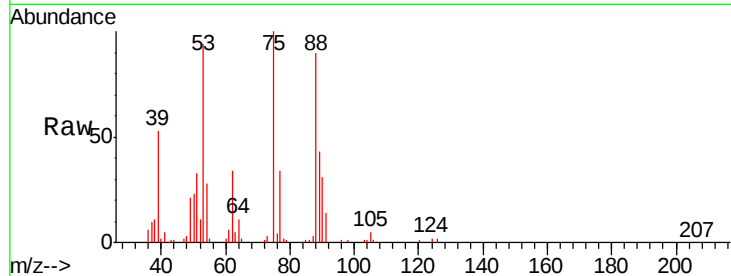
Tgt Ion: 75 Resp: 160116

Ion Ratio Lower Upper

75 100

53 94.1 72.1 108.1

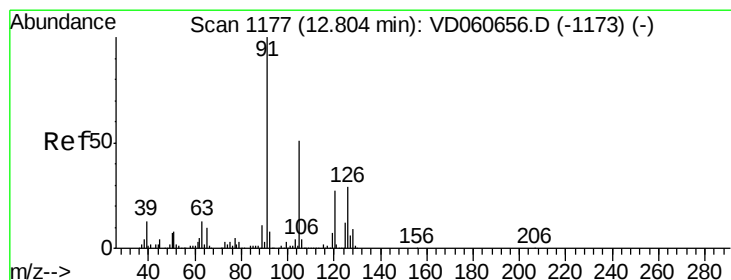
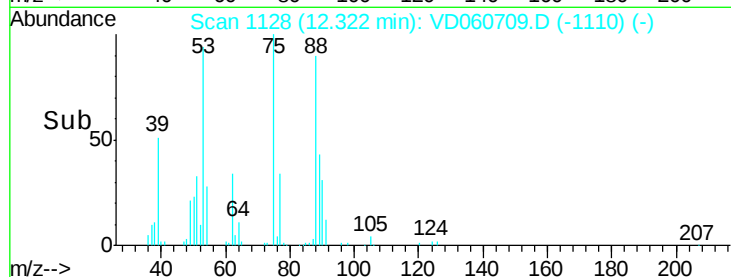
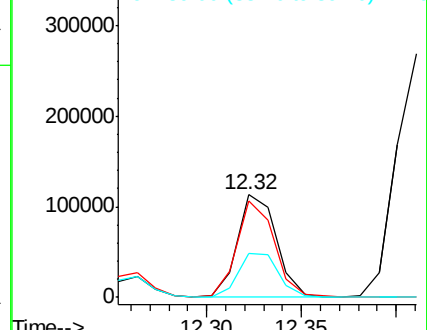
89 43.4 35.1 52.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 45.918 ug/l

RT: 12.79 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VD060709.D

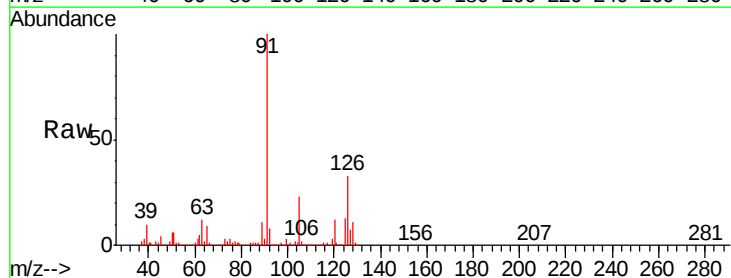
Acq: 26 Dec 2018 10:28

Tgt Ion: 91 Resp: 2489830

Ion Ratio Lower Upper

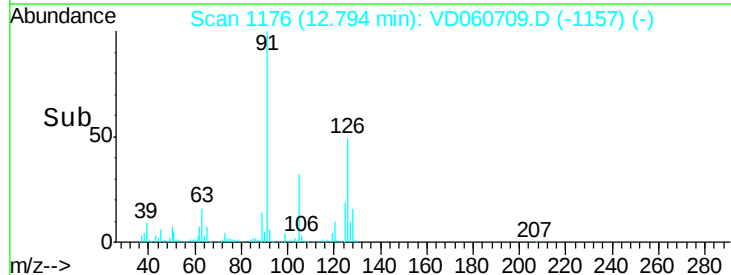
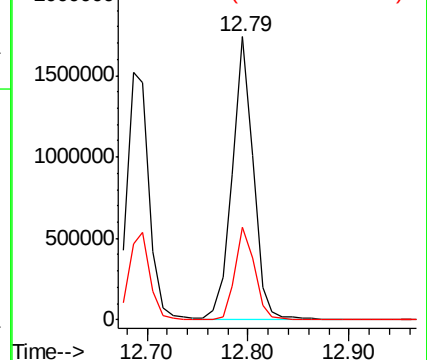
91 100

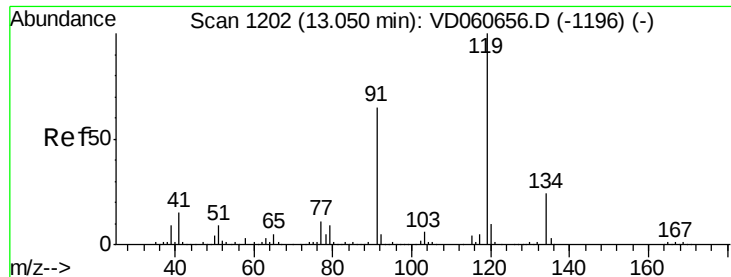
126 32.8 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

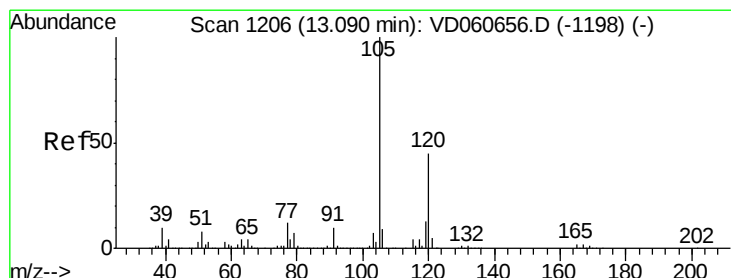
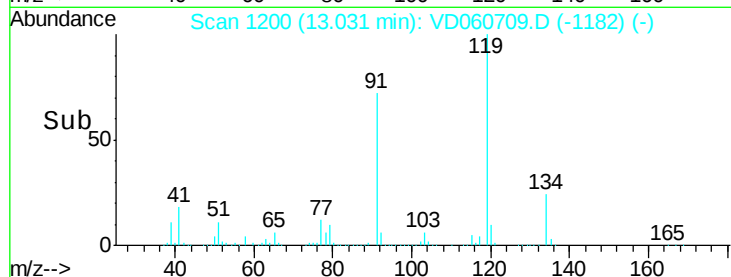
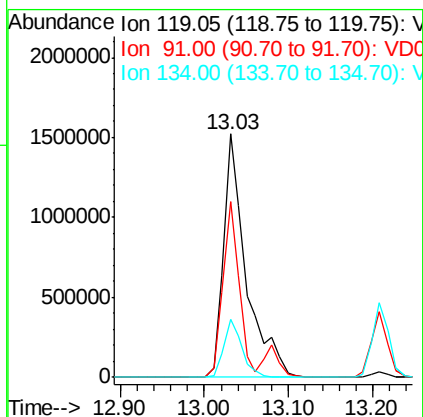
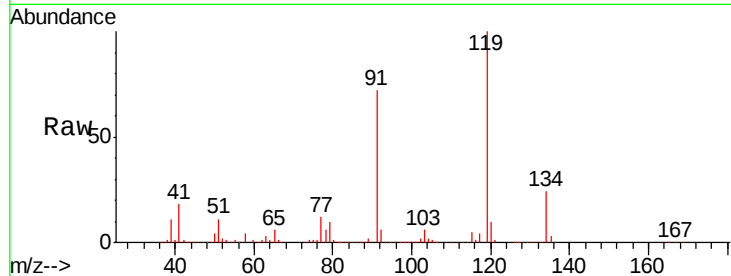




#83
 tert-Butylbenzene
 Concen: 46.393 ug/l
 RT: 13.03 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

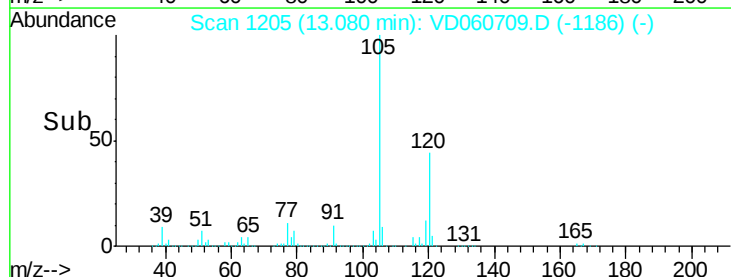
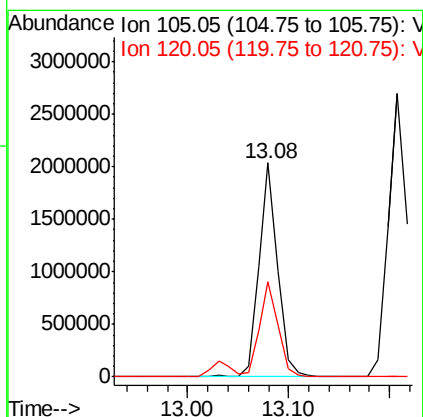
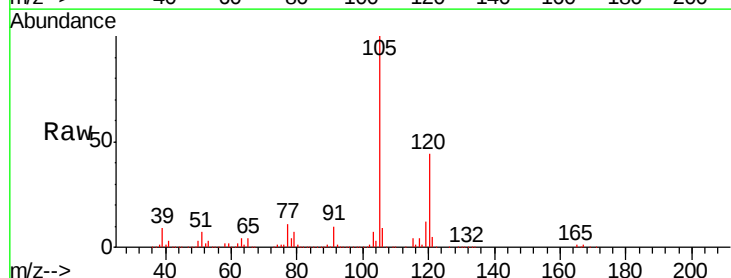
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

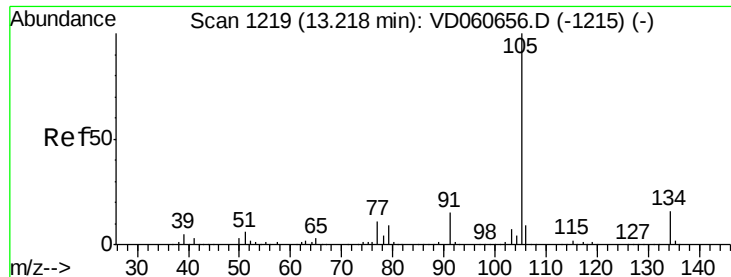
Tgt Ion:119 Resp: 2848432
 Ion Ratio Lower Upper
 119 100
 91 72.4 32.5 97.4
 134 23.7 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.323 ug/l
 RT: 13.08 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion:105 Resp: 2629454
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0

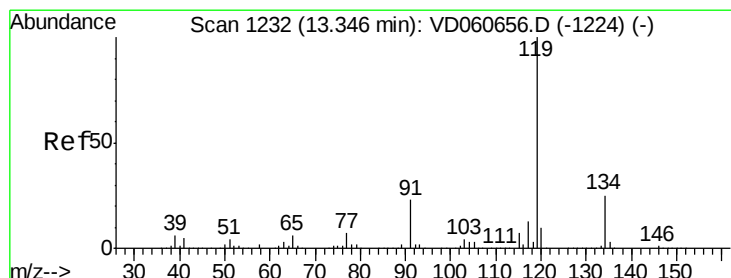
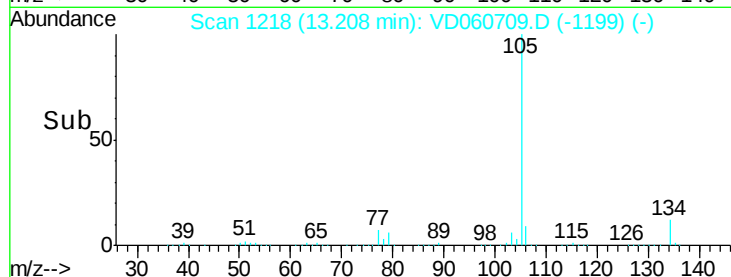
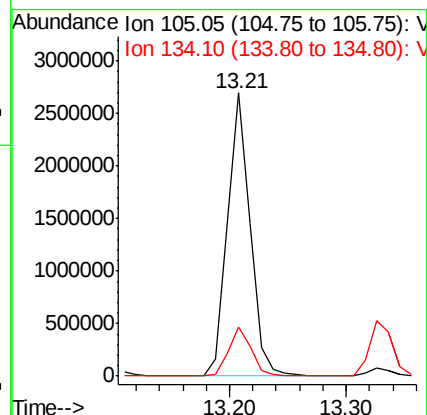
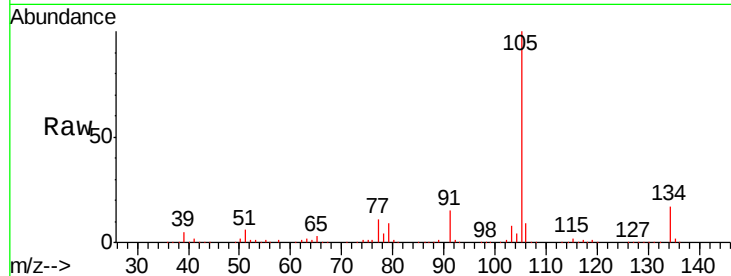




#85
 sec-Butylbenzene
 Concen: 48.200 ug/l
 RT: 13.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

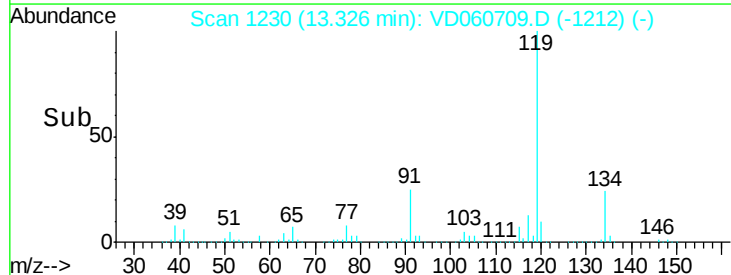
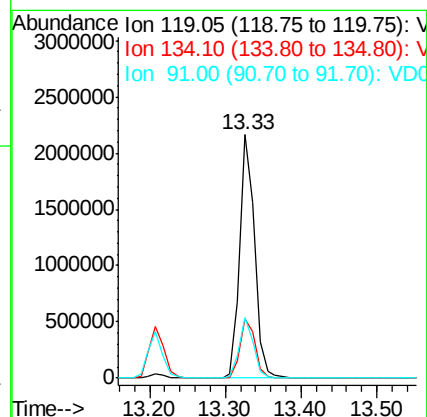
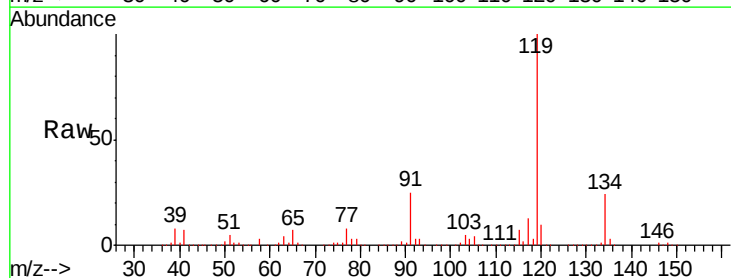
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

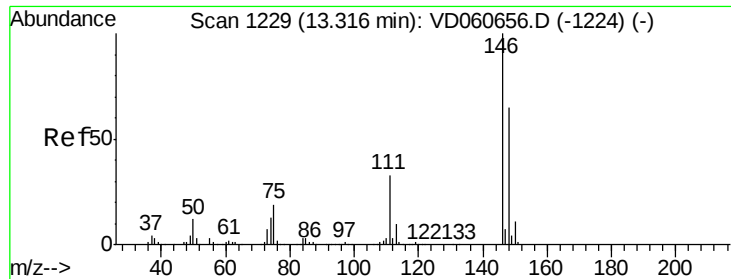
Tgt Ion:105 Resp: 3609041
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 47.782 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion:119 Resp: 2888000
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 24.7 11.4 34.2

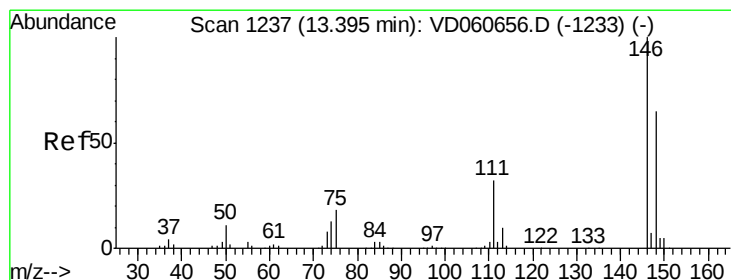
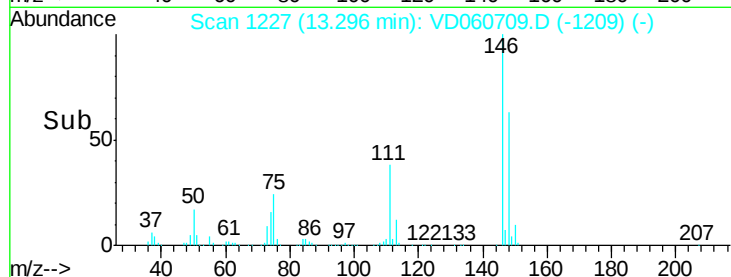
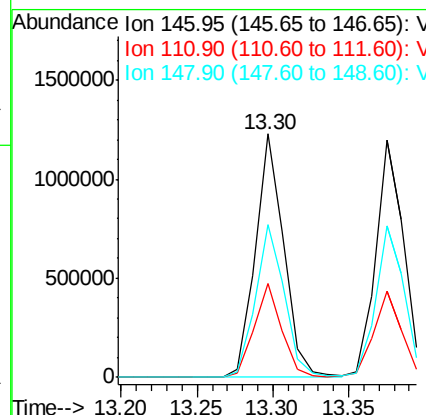
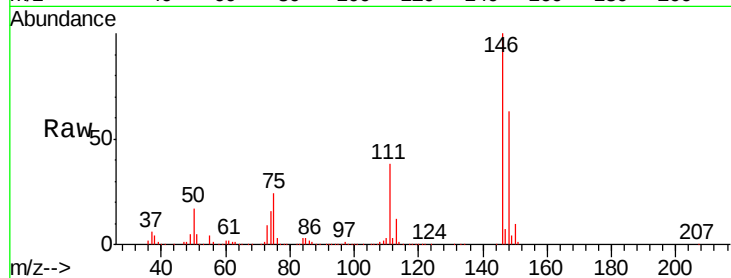




#87
 1,3-Dichlorobenzene
 Concen: 47.396 ug/l
 RT: 13.30 min Scan# 1227
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

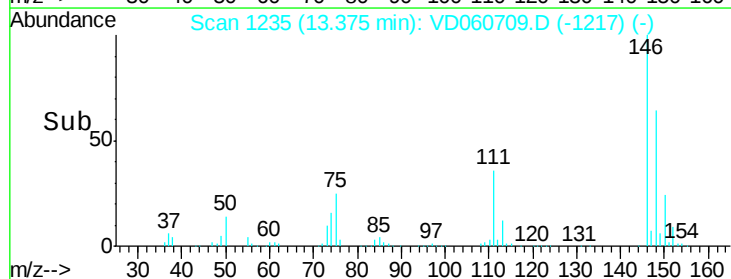
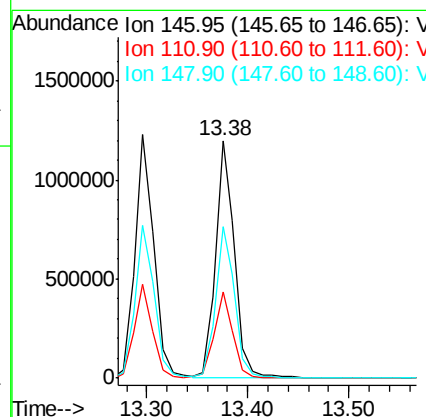
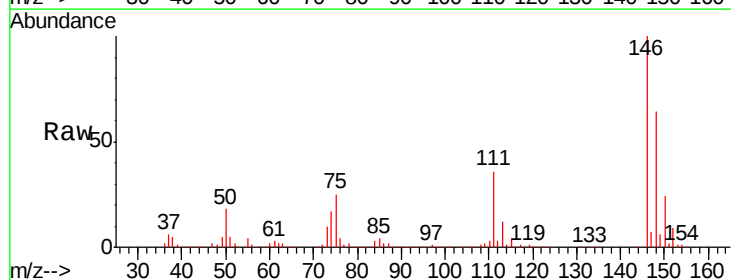
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

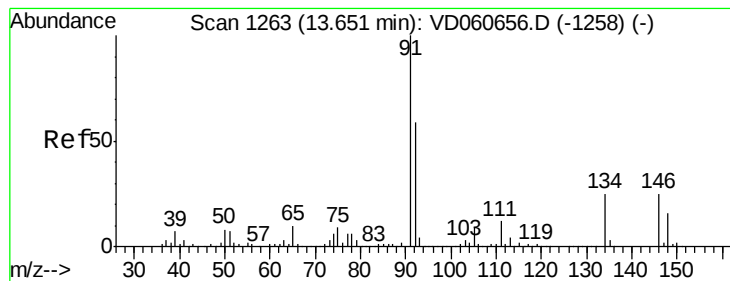
Tgt Ion:146 Resp: 1604845
 Ion Ratio Lower Upper
 146 100
 111 38.4 16.6 49.8
 148 62.8 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 46.979 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion:146 Resp: 1567508
 Ion Ratio Lower Upper
 146 100
 111 36.4 16.2 48.5
 148 63.9 32.7 98.1





#89

n-Butylbenzene

Concen: 46.771 ug/l

RT: 13.63 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD060709.D

Acq: 26 Dec 2018 10:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

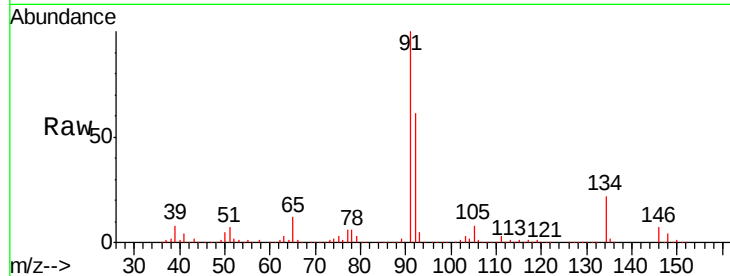
Tgt Ion: 91 Resp: 2888793

Ion Ratio Lower Upper

91 100

92 60.7 29.7 89.1

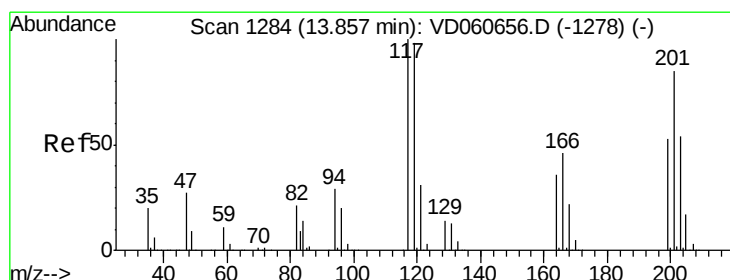
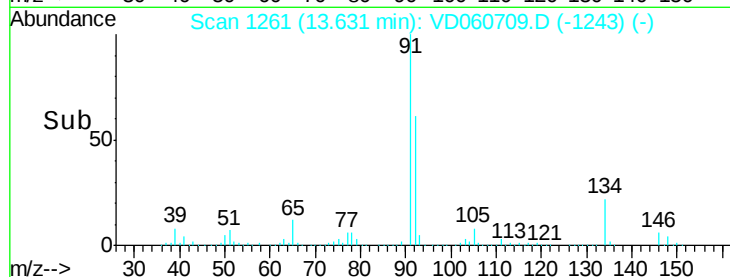
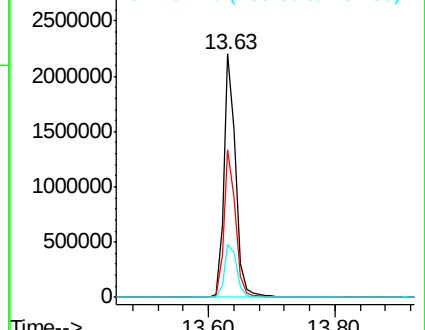
134 21.8 12.7 38.1



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: 51.283 ug/l

RT: 13.85 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD060709.D

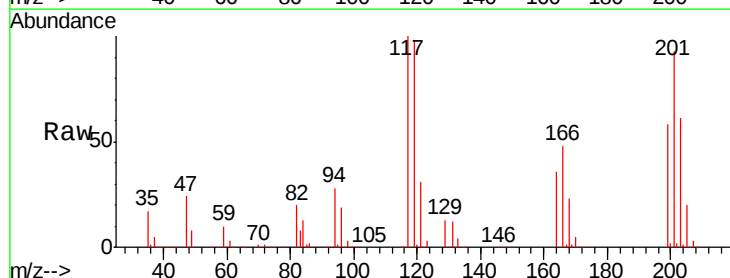
Acq: 26 Dec 2018 10:28

Tgt Ion: 117 Resp: 761462

Ion Ratio Lower Upper

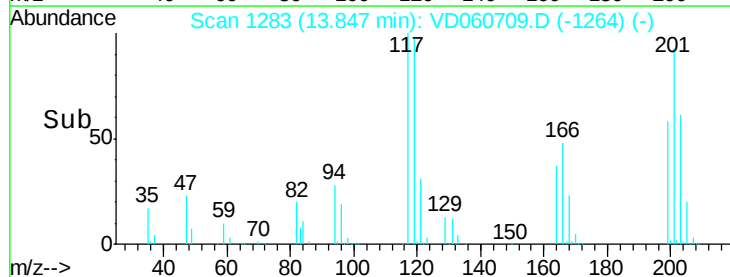
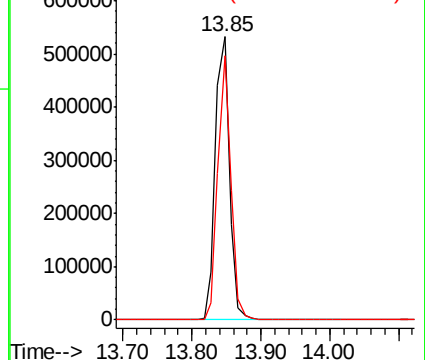
117 100

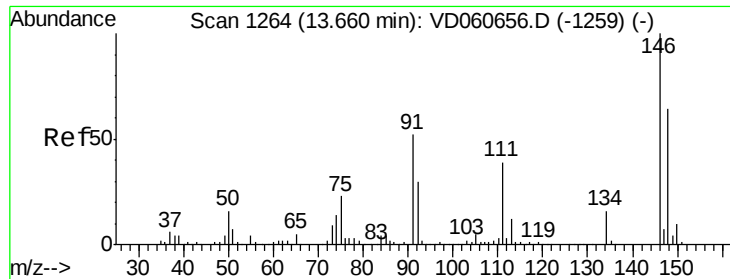
201 93.2 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

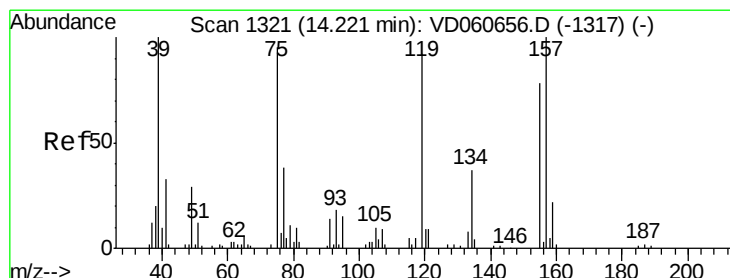
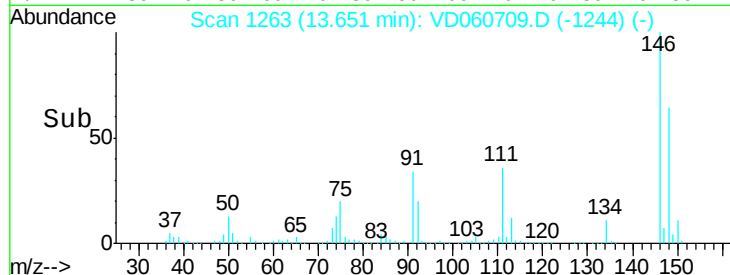
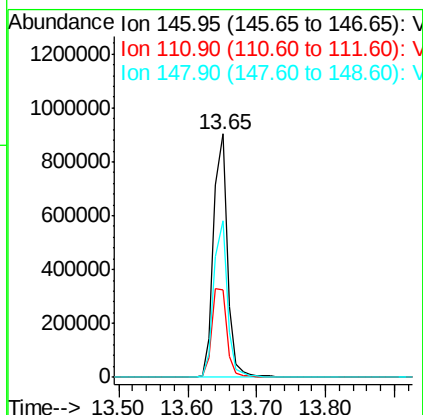
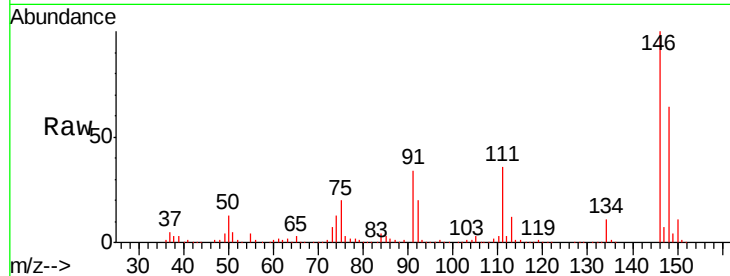




#91
 1,2-Dichlorobenzene
 Concen: 46.310 ug/l
 RT: 13.65 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

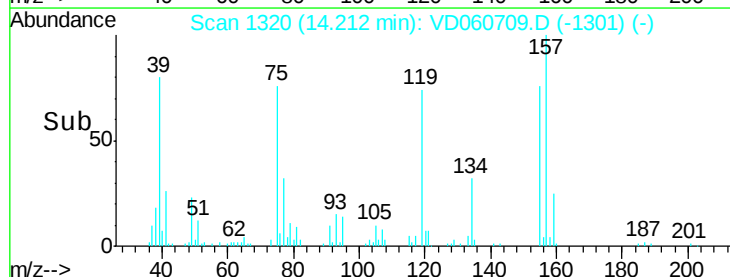
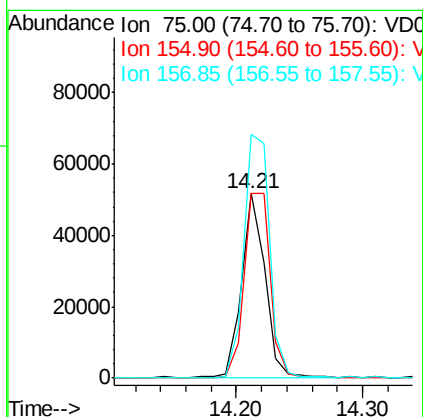
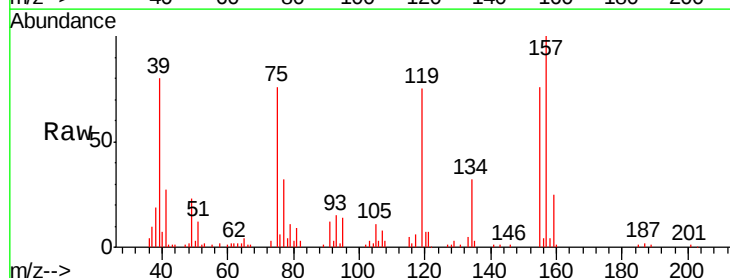
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

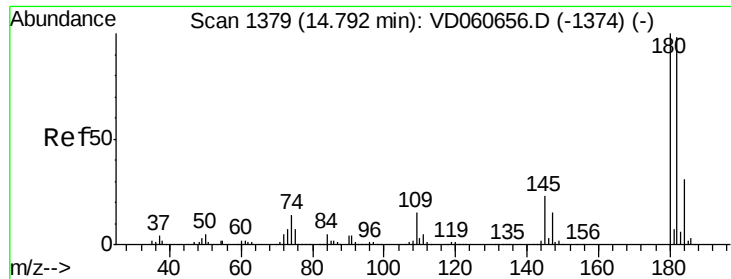
Tgt Ion:146 Resp: 1257883
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.3 57.9
 148 64.1 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.117 ug/l
 RT: 14.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion: 75 Resp: 66676
 Ion Ratio Lower Upper
 75 100
 155 99.9 41.1 123.4
 157 131.9 52.5 157.6

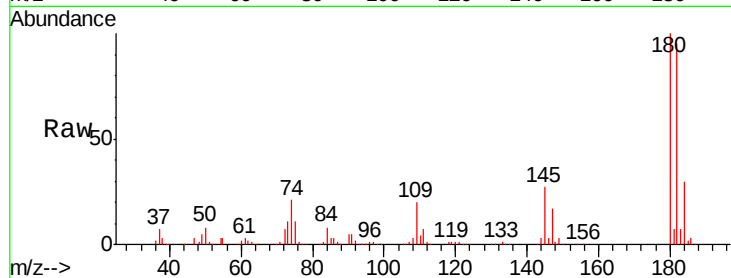




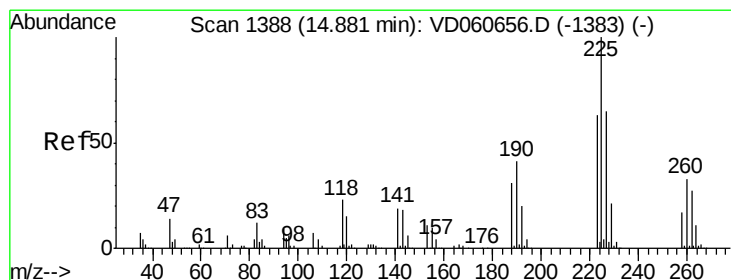
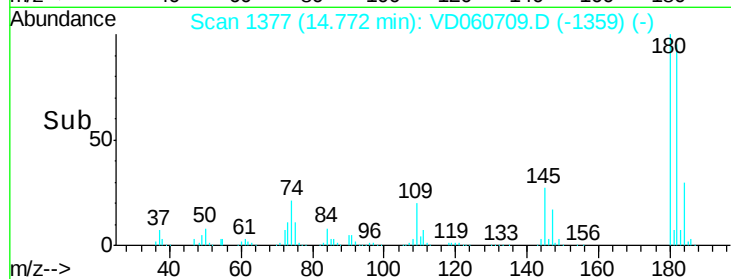
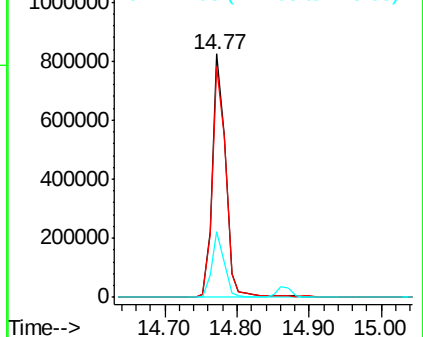
#93
 1,2,4-Trichlorobenzene
 Concen: 48.483 ug/l
 RT: 14.77 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tgt Ion:180 Resp: 1047883
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.8 146.4
 145 26.8 11.8 35.3

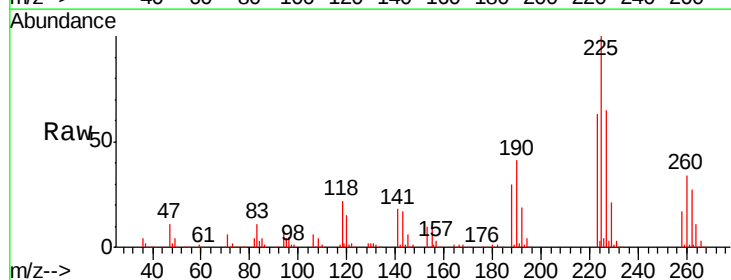


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

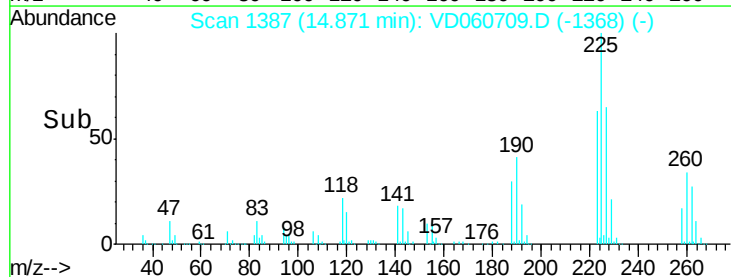
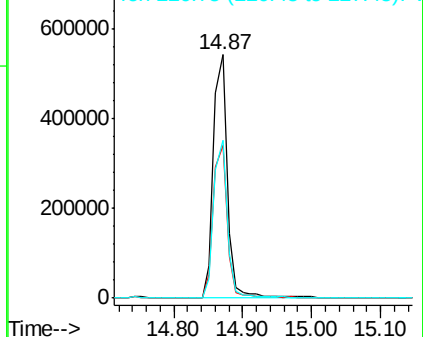


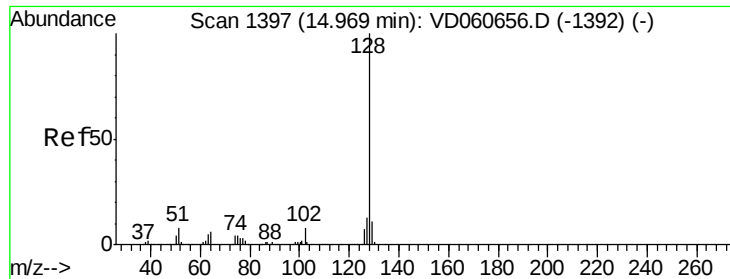
#94
 Hexachlorobutadiene
 Concen: 48.370 ug/l
 RT: 14.87 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VD060709.D
 Acq: 26 Dec 2018 10:28

Tgt Ion:225 Resp: 772744
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.8
 227 65.0 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

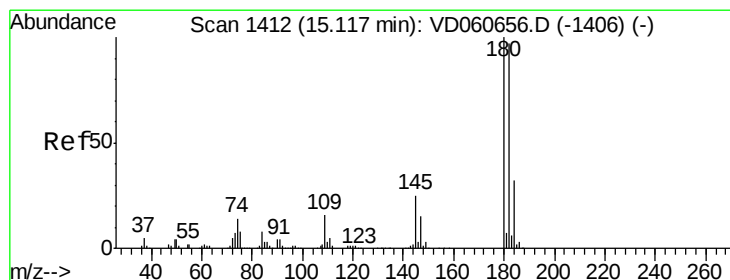
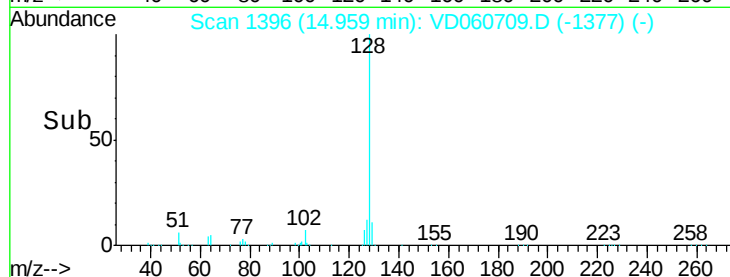
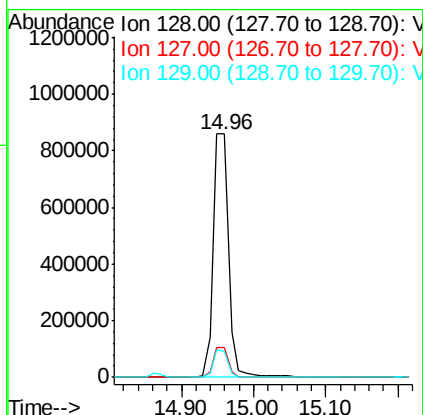
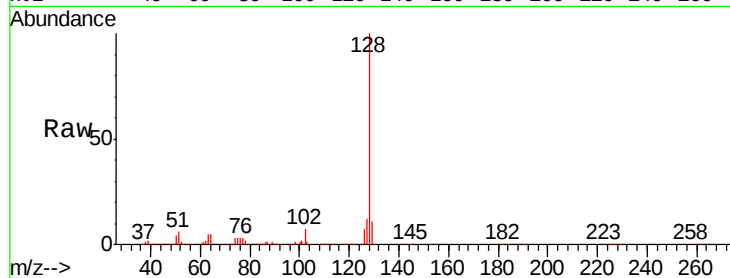




#95
Naphthalene
Concen: 48.873 ug/l
RT: 14.96 min Scan# 1396
Delta R.T. -0.01 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1255450
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 49.447 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.02 min
Lab File: VD060709.D
Acq: 26 Dec 2018 10:28

Tgt Ion:180 Resp: 835440
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.9
145 29.1 12.6 37.8

