

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061845.D
 Acq On : 17 Apr 2019 11:16
 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: Apr 17 11:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	631986	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	963236	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	832334	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	378236	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	266750	50.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	6.93	113	404279	55.55	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.41	98	971787	56.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.72%	
62) 4-Bromofluorobenzene	13.56	95	327595	46.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	317275	51.436	ug/l	96
3) Chloromethane	1.77	50	226947	46.166	ug/l	94
4) Vinyl Chloride	1.86	62	253648	51.990	ug/l	100
5) Bromomethane	2.17	94	65551	60.835	ug/l	98
6) Chloroethane	2.28	64	91797	55.154	ug/l	96
7) Trichlorofluoromethane	2.54	101	401618	50.756	ug/l	99
8) Diethyl Ether	2.89	74	89475	43.148	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.16	101	364611	51.679	ug/l	96
10) Methyl Iodide	3.32	142	499181	44.718	ug/l	98
11) Tert butyl alcohol	4.06	59	72095	230.811	ug/l	98
12) 1,1-Dichloroethene	3.14	96	300819	50.717	ug/l	98
13) Acrolein	3.05	56	60143	198.894	ug/l	100
14) Allyl chloride	3.64	41	409086	50.600	ug/l	97
15) Acrylonitrile	4.21	53	214460	218.702	ug/l	93
16) Acetone	3.23	43	367774	281.728	ug/l	100
17) Carbon Disulfide	3.39	76	930288	48.542	ug/l	99
18) Methyl Acetate	3.65	43	112750	43.092	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	511521	46.212	ug/l	97
20) Methylene Chloride	3.82	84	345782	53.621	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	315183	48.352	ug/l	99
22) Diisopropyl ether	5.12	45	836931	48.428	ug/l	91
23) Vinyl Acetate	5.06	43	2272207	245.956	ug/l	98
24) 1,1-Dichloroethane	4.99	63	487058	46.484	ug/l	99
25) 2-Butanone	6.08	43	365055	245.632	ug/l	95
26) 2,2-Dichloropropane	6.03	77	477912	52.769	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	351645	49.764	ug/l	96
28) Bromochloromethane	6.45	49	173543	43.605	ug/l	99
29) Tetrahydrofuran	6.46	42	169366	233.949	ug/l	99
30) Chloroform	6.67	83	553793	47.386	ug/l	97
31) Cyclohexane	6.96	56	431560	53.803	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	538560	51.985	ug/l	98
36) 1,1-Dichloropropene	7.15	75	437148	55.538	ug/l	99
37) Ethyl Acetate	6.19	43	163368	48.494	ug/l	98
38) Carbon Tetrachloride	7.12	117	581939	58.551	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061845.D
 Acq On : 17 Apr 2019 11:16
 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: Apr 17 11:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	448903	54.920	ug/l	98
40) Benzene	7.46	78	976690	51.685	ug/l	98
41) Methacrylonitrile	6.45	41	198168	49.769	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	365266	55.500	ug/l	99
43) Isopropyl Acetate	9.24	43	229726	48.458	ug/l #	99
44) Trichloroethene	8.54	130	393969	54.157	ug/l	94
45) 1,2-Dichloropropane	8.94	63	250033	50.797	ug/l	96
46) Dibromomethane	9.07	93	180787	51.546	ug/l	93
47) Bromodichloromethane	9.38	83	419195	51.808	ug/l	98
48) Methyl methacrylate	9.12	41	130812	46.942	ug/l	94
49) 1,4-Dioxane	9.08	88	31476	1033.408	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	725508	250.251	ug/l	100
52) Toluene	10.51	92	629818	52.009	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	391062	53.637	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	426736	49.863	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	206020	50.488	ug/l	97
56) Ethyl methacrylate	11.04	69	215772	48.179	ug/l	98
57) 1,3-Dichloropropane	11.40	76	315383	51.410	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	402685	189.037	ug/l	99
59) 2-Hexanone	11.53	43	527461	244.961	ug/l	99
60) Dibromochloromethane	11.69	129	349883	52.403	ug/l	99
61) 1,2-Dibromoethane	11.81	107	250159	49.858	ug/l	95
64) Tetrachloroethene	11.26	164	275910	44.201	ug/l	98
65) Chlorobenzene	12.40	112	745041	48.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	315231	48.528	ug/l	95
67) Ethyl Benzene	12.53	91	1206060	48.585	ug/l	99
68) m/p-Xylenes	12.67	106	905110	97.068	ug/l	97
69) o-Xylene	13.05	106	404251	46.125	ug/l	98
70) Styrene	13.08	104	642573	42.605	ug/l	99
71) Bromoform	13.23	173	187113	48.527	ug/l	99
73) Isopropylbenzene	13.40	105	1176137	47.947	ug/l	100
74) N-amyl acetate	13.26	43	280790	42.568	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	234553	48.374	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	231230	46.551	ug/l	99
77) Bromobenzene	13.67	156	363050	52.102	ug/l	88
78) n-propylbenzene	13.78	91	1398226	49.336	ug/l	98
79) 2-Chlorotoluene	13.84	91	844204	50.991	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1064183	54.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	76028	47.407	ug/l	91
82) 4-Chlorotoluene	13.94	91	959530	50.634	ug/l	89
83) tert-Butylbenzene	14.19	119	1178855	51.583	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	959987	49.067	ug/l	100
85) sec-Butylbenzene	14.37	105	1242281	52.582	ug/l	100
86) p-Isopropyltoluene	14.49	119	1120431	50.687	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	605593	49.784	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	586932	48.811	ug/l	99
89) n-Butylbenzene	14.80	91	997727	50.990	ug/l	99
90) Hexachloroethane	15.01	117	306246	50.829	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	495331	48.612	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32656	48.398	ug/l	94

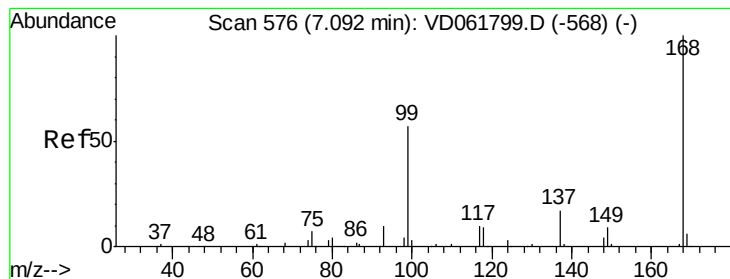
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041719\
Data File : VD061845.D
Acq On : 17 Apr 2019 11:16
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Apr 17 11:40:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247726	44.265	ug/l	98
94) Hexachlorobutadiene	16.04	225	186258	45.925	ug/l	99
95) Naphthalene	16.12	128	398999	46.515	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	129606	40.639	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

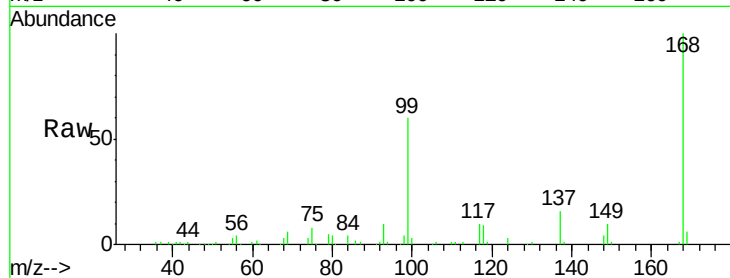
VSTDCCC050

Tot Ion:168 Resp: 631986

Ion Ratio Lower Upper

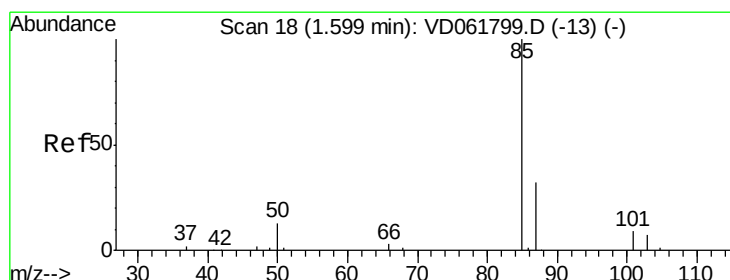
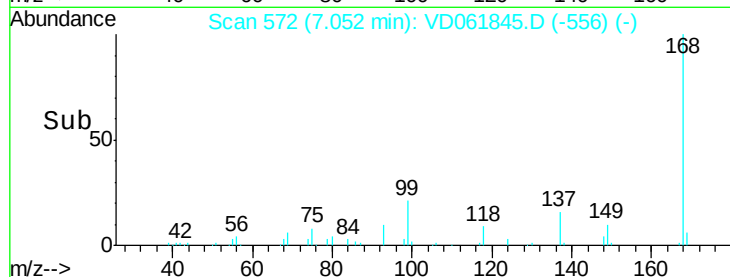
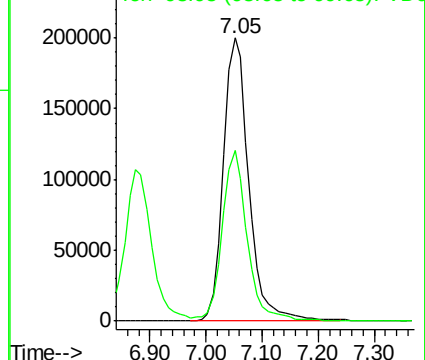
168 100

99 60.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.436 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061845.D

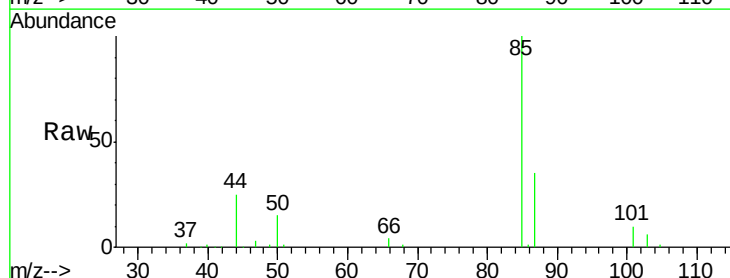
Acq: 17 Apr 2019 11:16

Tgt Ion: 85 Resp: 317275

Ion Ratio Lower Upper

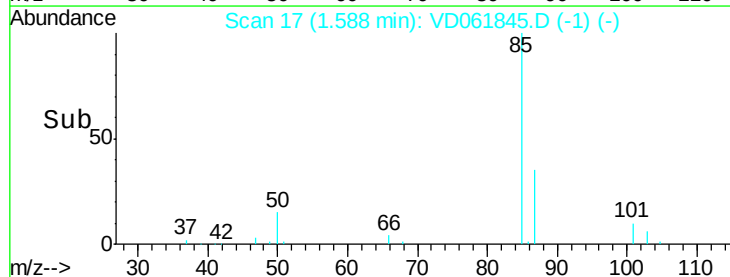
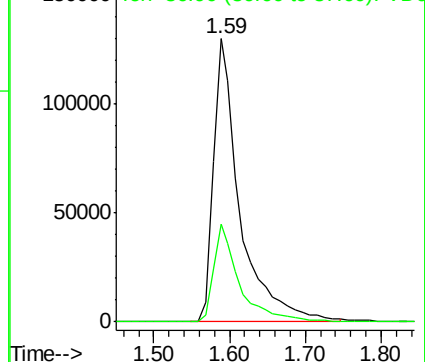
85 100

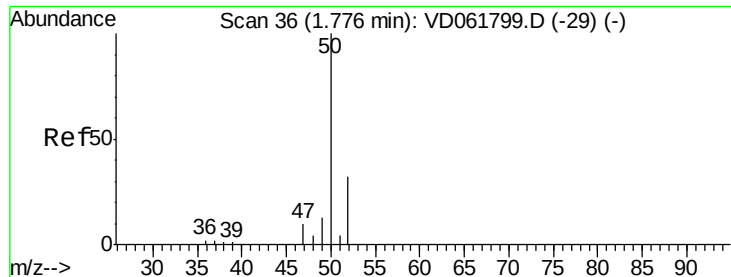
87 34.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.166 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

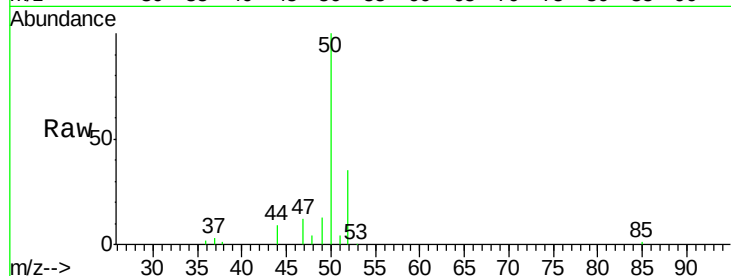
VSTDCCC050

Tot Ion: 50 Resp: 226947

Ion Ratio Lower Upper

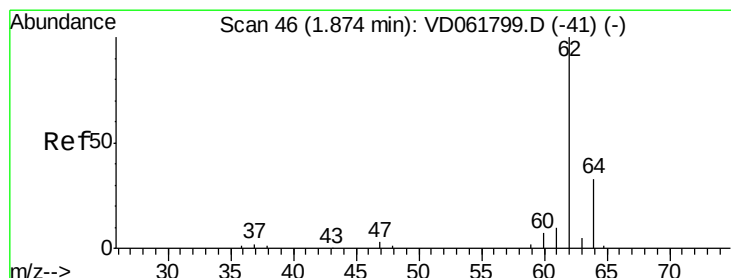
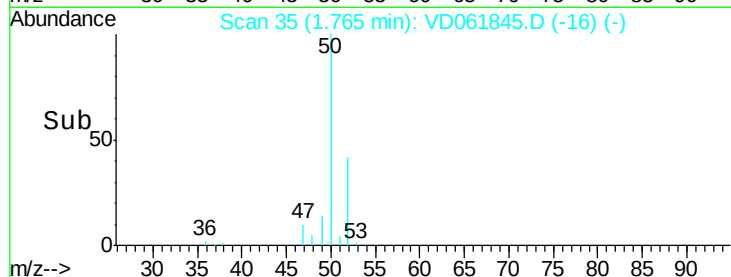
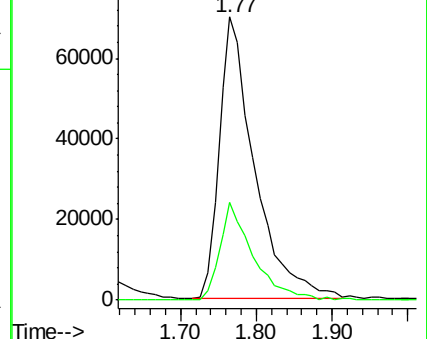
50 100

52 34.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.990 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061845.D

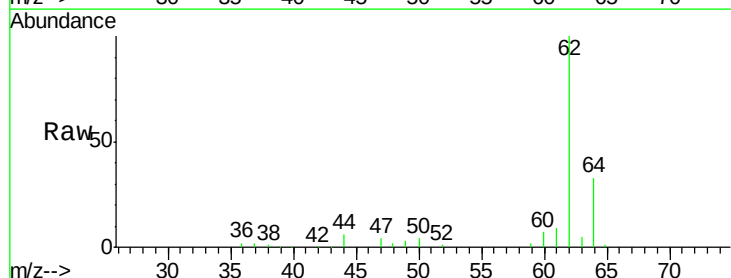
Acq: 17 Apr 2019 11:16

Tgt Ion: 62 Resp: 253648

Ion Ratio Lower Upper

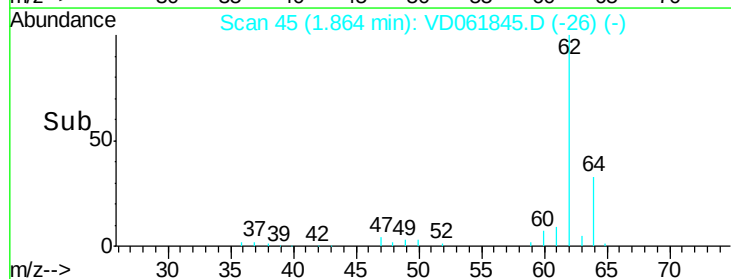
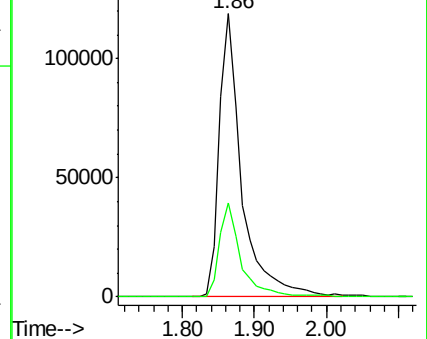
62 100

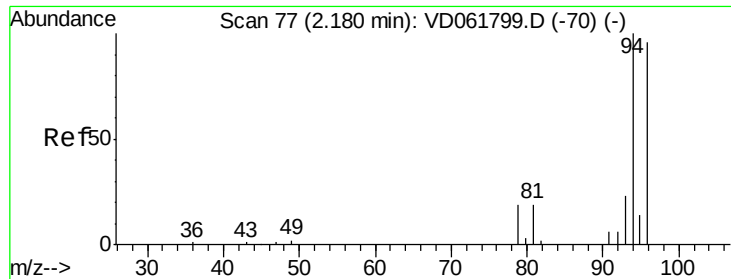
64 33.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

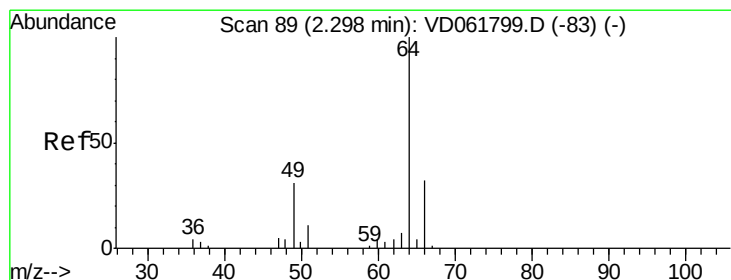
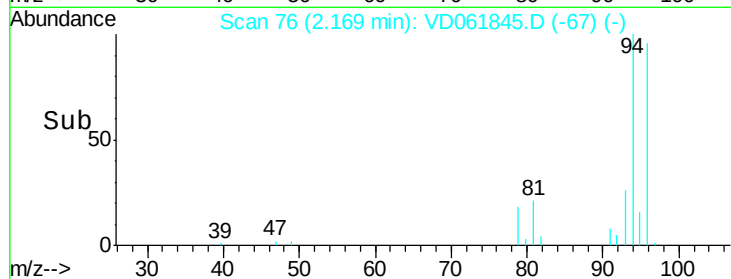
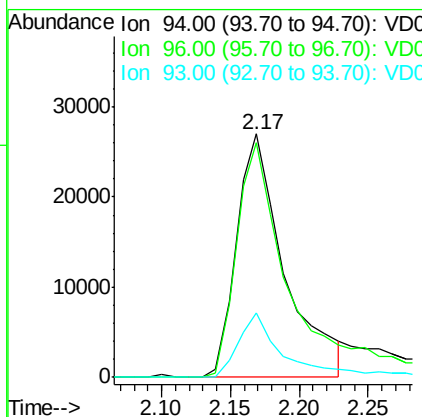
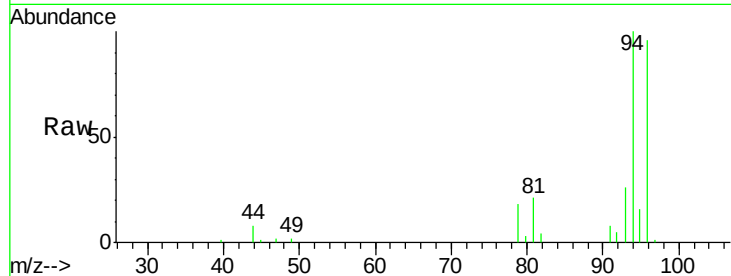




#5
Bromomethane
Concen: 60.835 ug/l
RT: 2.17 min Scan# 76
Delta R.T. -0.01 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

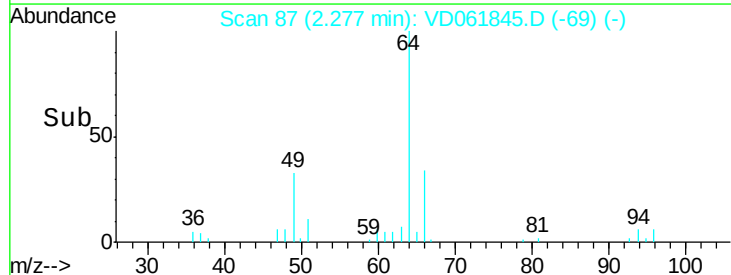
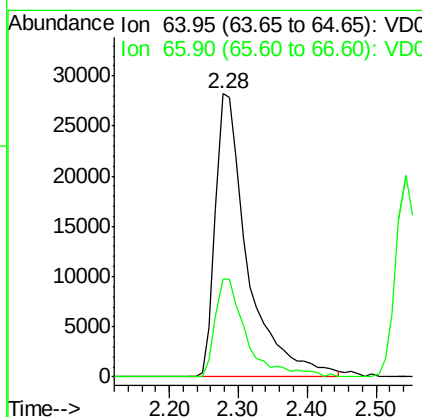
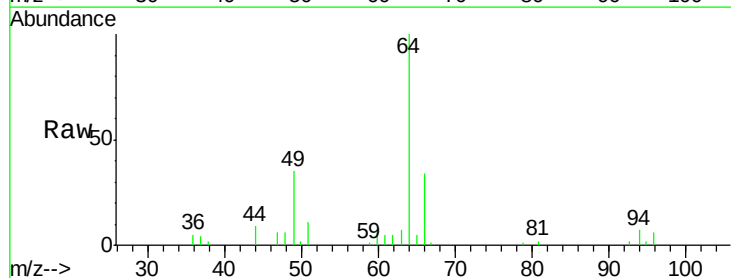
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

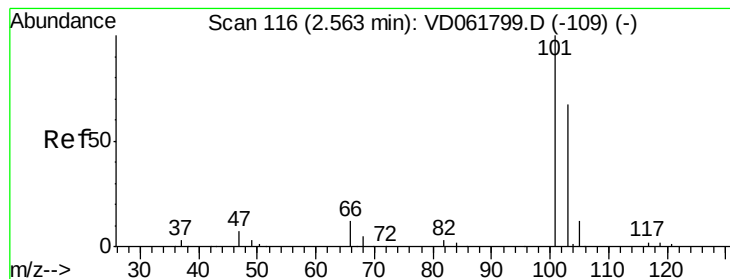
Tot Ion: 94 Resp: 65551
Ion Ratio Lower Upper
94 100
96 96.4 76.6 115.0
93 26.3 18.5 27.7



#6
Chloroethane
Concen: 55.154 ug/l
RT: 2.28 min Scan# 87
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 64 Resp: 91797
Ion Ratio Lower Upper
64 100
66 34.4 25.6 38.4



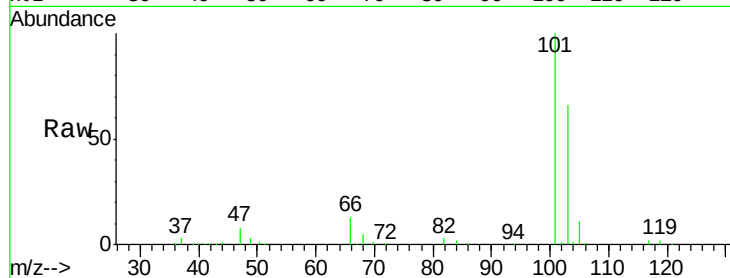


#7

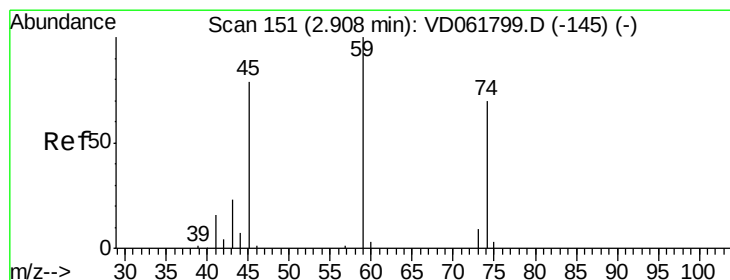
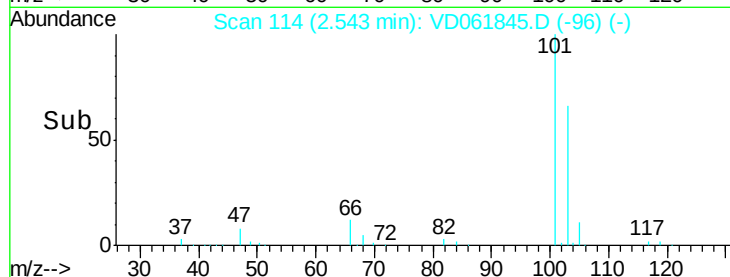
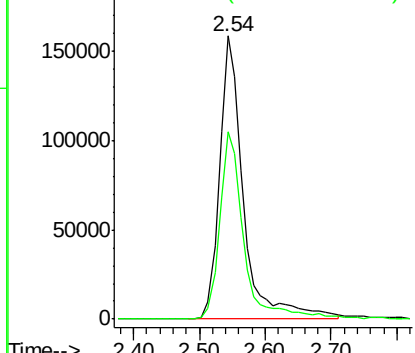
Trichlorofluoromethane
Concen: 50.756 ug/l
RT: 2.54 min Scan# 114
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 401618
Ion Ratio Lower Upper
101 100
103 66.2 53.6 80.4



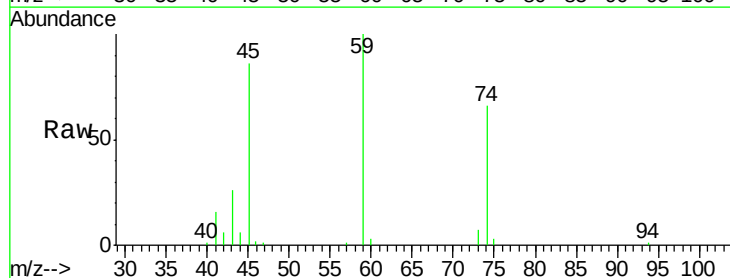
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



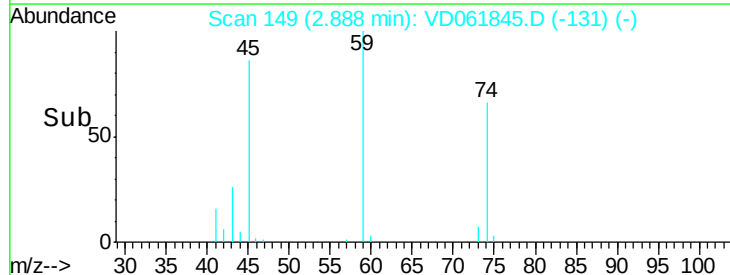
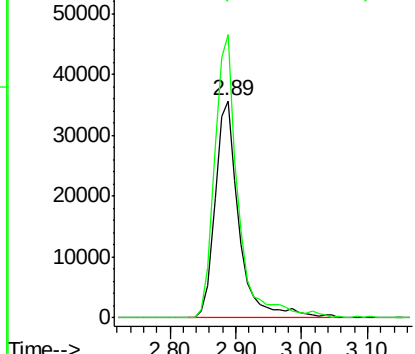
#8

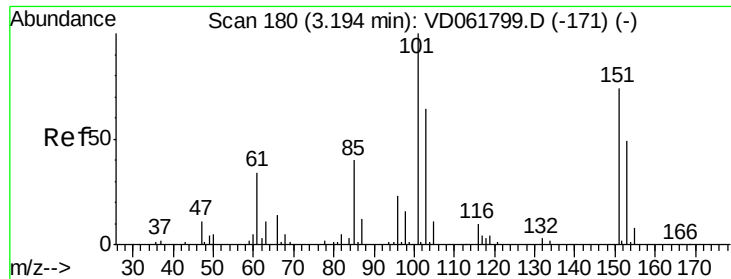
Diethyl Ether
Concen: 43.148 ug/l
RT: 2.89 min Scan# 149
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 74 Resp: 89475
Ion Ratio Lower Upper
74 100
45 130.5 56.9 170.7



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: 51.679 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

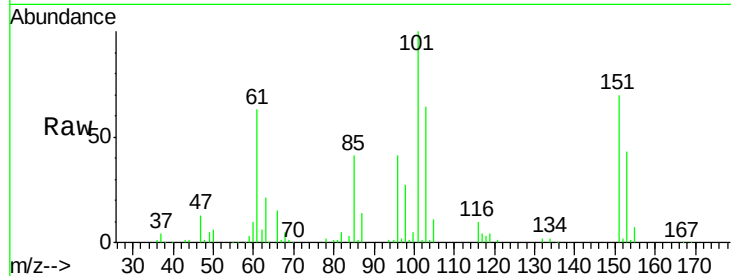
Tot Ion:101 Resp: 364611

Ion Ratio Lower Upper

101 100

85 41.3 32.4 48.6

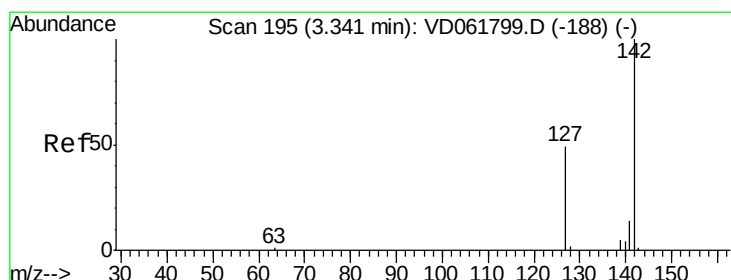
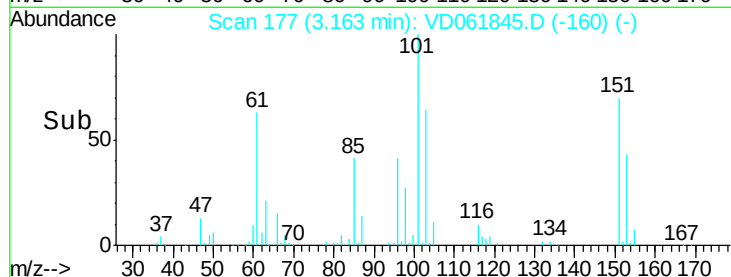
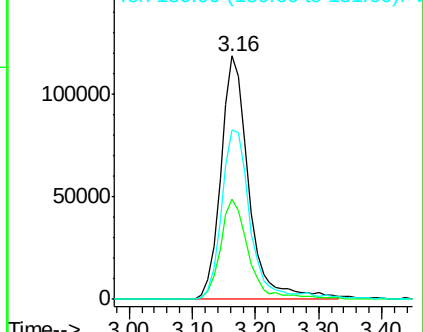
151 69.5 59.4 89.0



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: 44.718 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

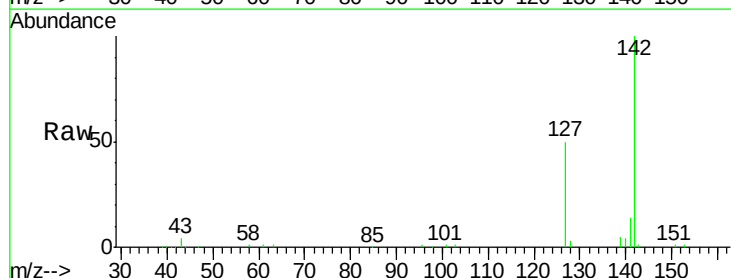
Tgt Ion:142 Resp: 499181

Ion Ratio Lower Upper

142 100

127 50.3 38.8 58.2

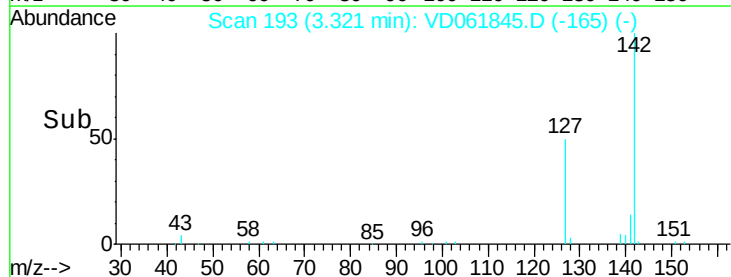
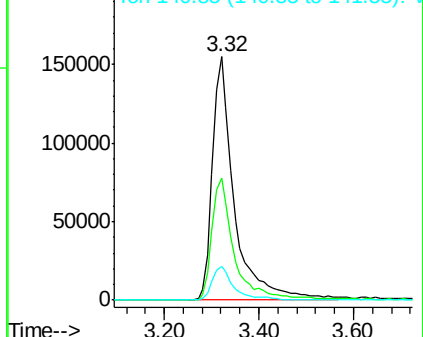
141 14.0 11.4 17.0

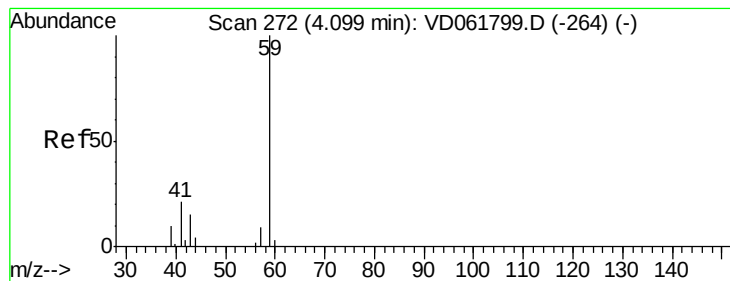


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



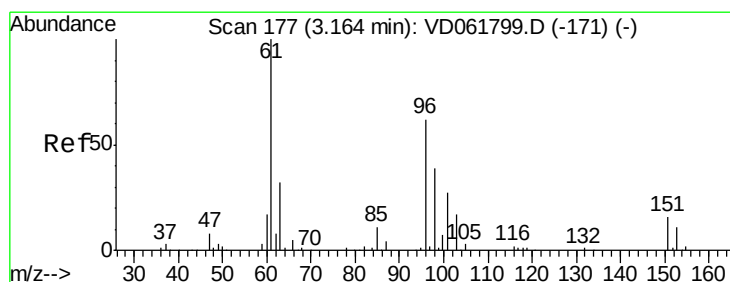
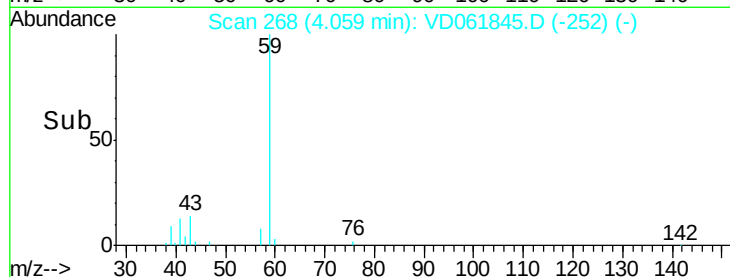
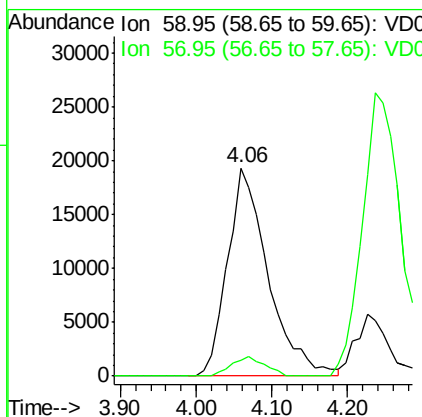
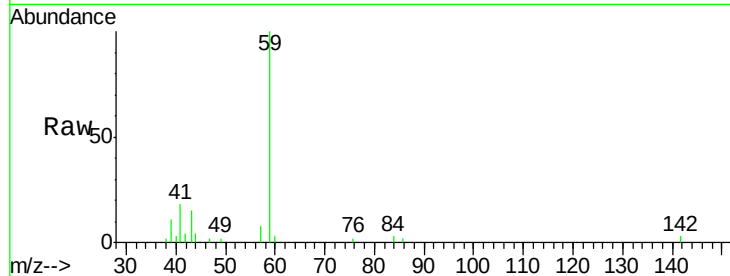


#11

Tert butyl alcohol
Concen: 230.811 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

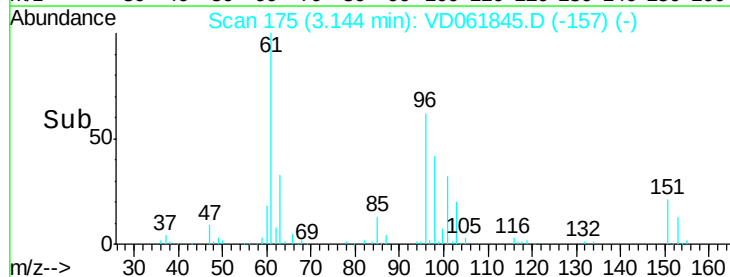
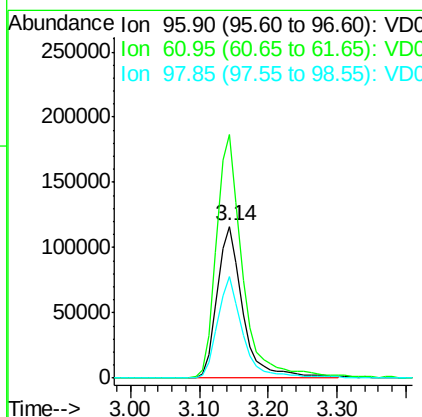
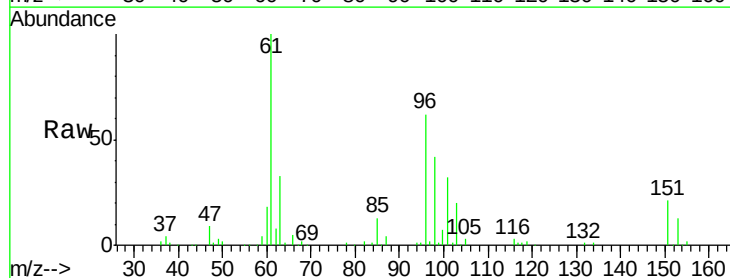
Tot Ion: 59 Resp: 72095
Ion Ratio Lower Upper
59 100
57 7.7 6.9 10.3

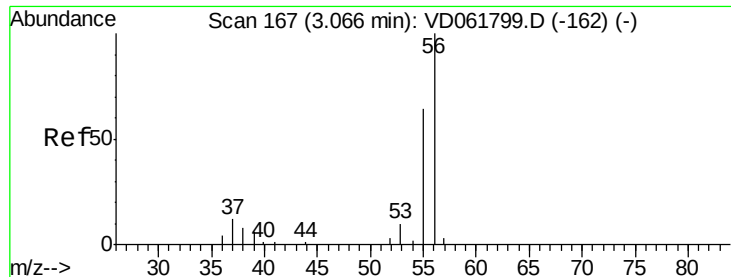


#12

1,1-Dichloroethene
Concen: 50.717 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 96 Resp: 300819
Ion Ratio Lower Upper
96 100
61 160.7 129.8 194.8
98 67.3 51.2 76.8

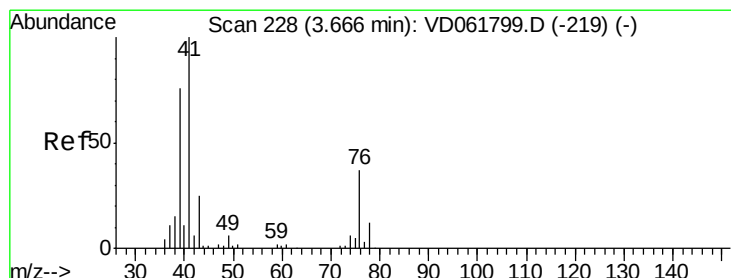
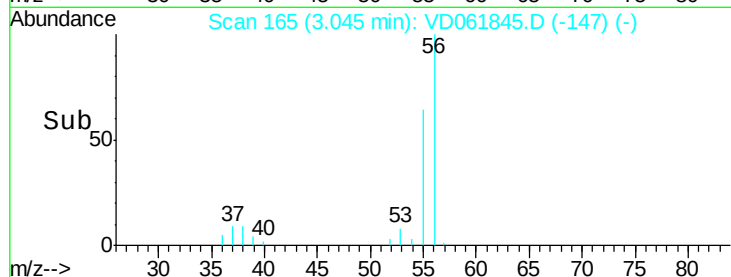
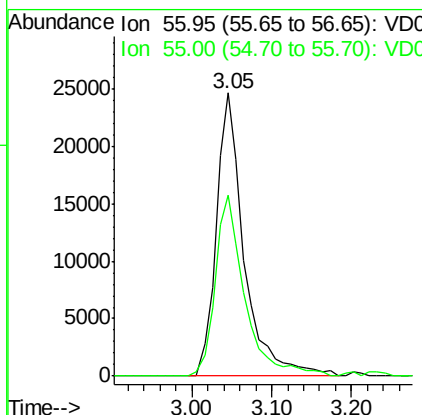
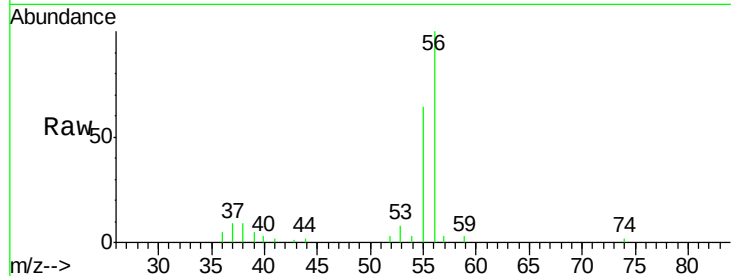




#13
Acrolein
Concen: 198.894 ug/l
RT: 3.05 min Scan# 165
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

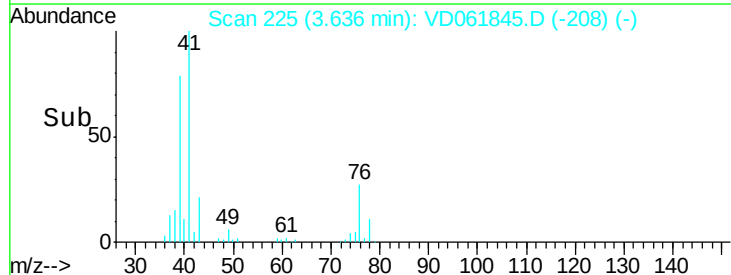
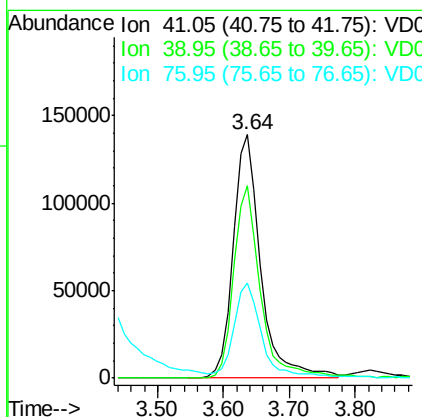
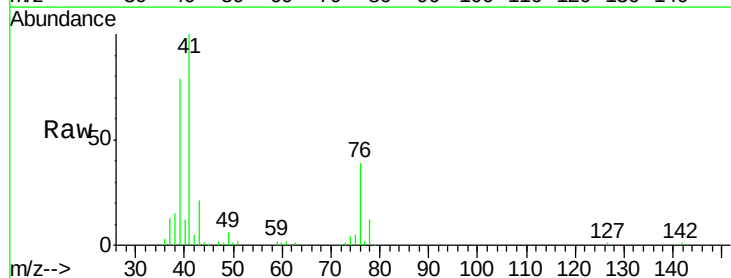
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

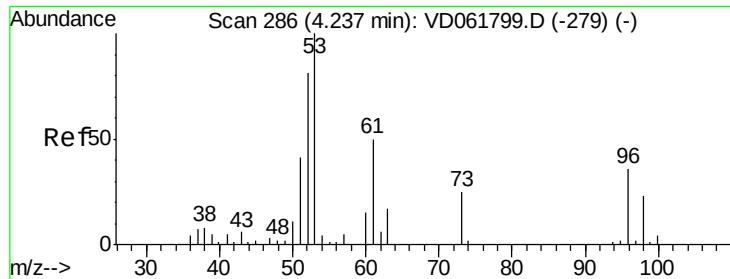
Tot Ion: 56 Resp: 60143
Ion Ratio Lower Upper
56 100
55 63.9 51.4 77.2



#14
Allyl chloride
Concen: 50.600 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 41 Resp: 409086
Ion Ratio Lower Upper
41 100
39 79.1 60.5 90.7
76 38.8 31.8 47.8





#15

Acrylonitrile

Concen: 218.702 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

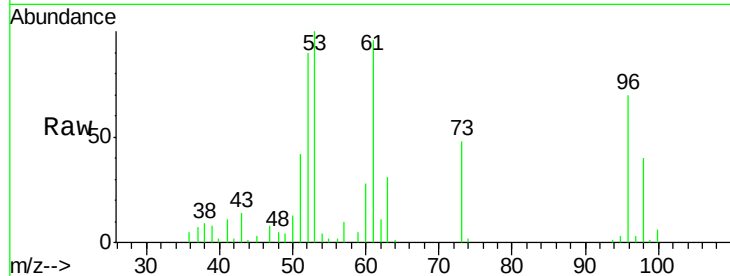
Tot Ion: 53 Resp: 214460

Ion Ratio Lower Upper

53 100

52 89.5 65.0 97.4

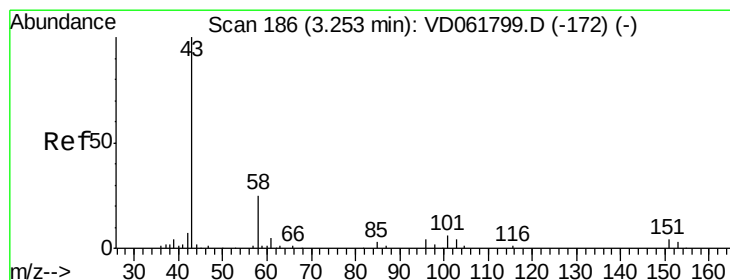
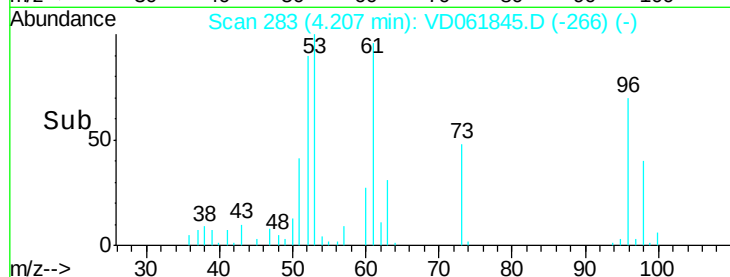
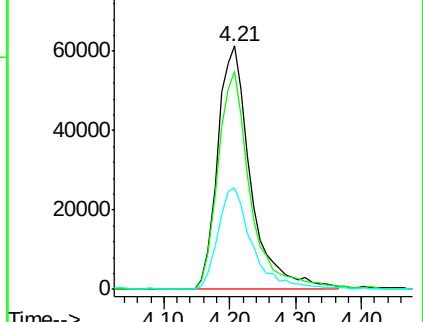
51 41.6 32.6 48.8



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: 281.728 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.02 min

Lab File: VD061845.D

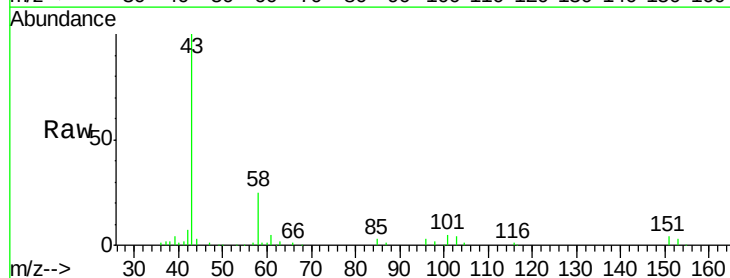
Acq: 17 Apr 2019 11:16

Tgt Ion: 43 Resp: 367774

Ion Ratio Lower Upper

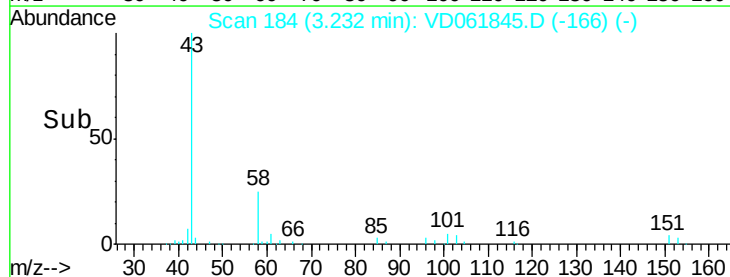
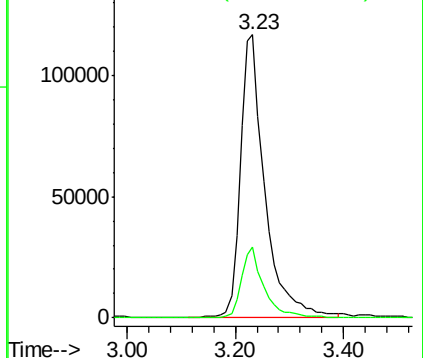
43 100

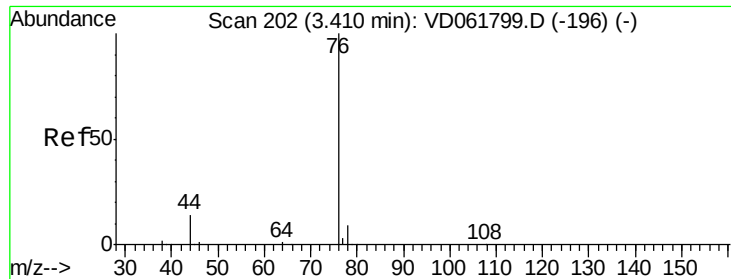
58 25.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 48.542 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

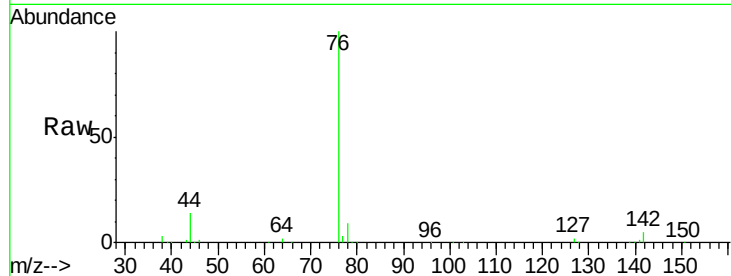
VSTDCCC050

Tot Ion: 76 Resp: 930288

Ion Ratio Lower Upper

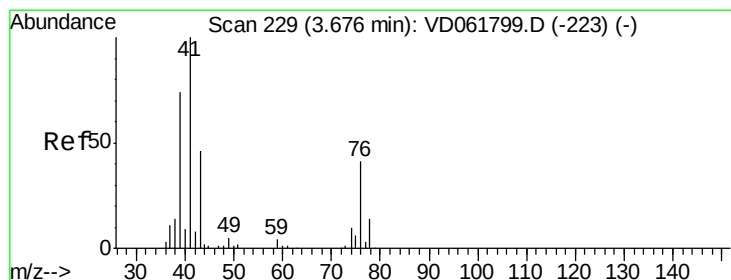
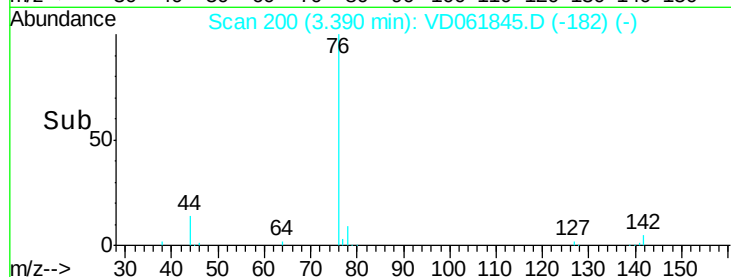
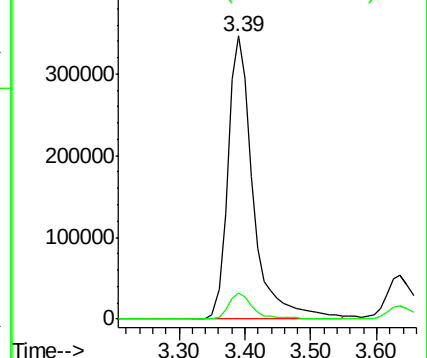
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 43.092 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.03 min

Lab File: VD061845.D

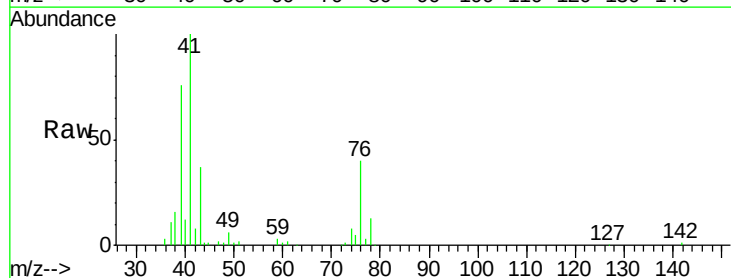
Acq: 17 Apr 2019 11:16

Tgt Ion: 43 Resp: 112750

Ion Ratio Lower Upper

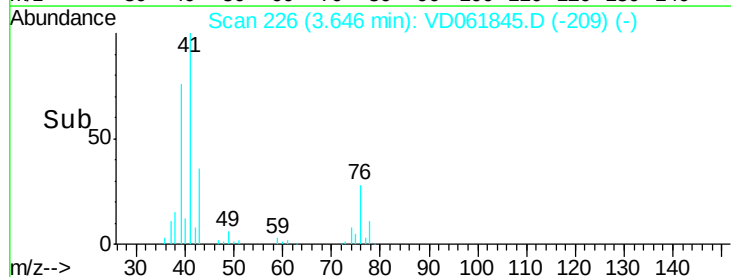
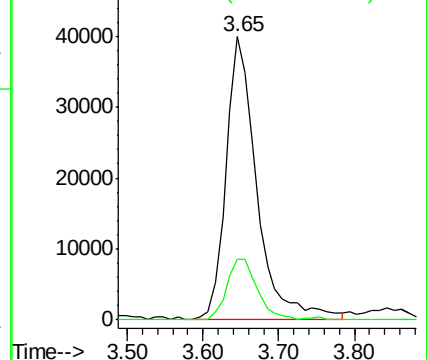
43 100

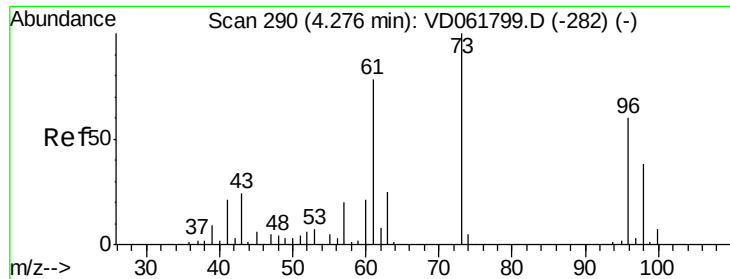
74 21.4 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

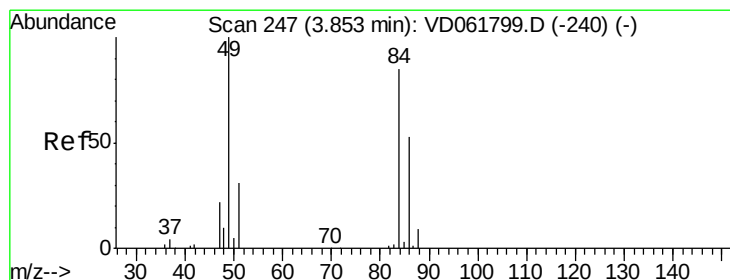
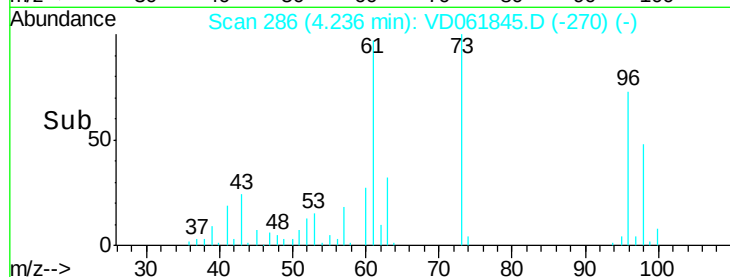
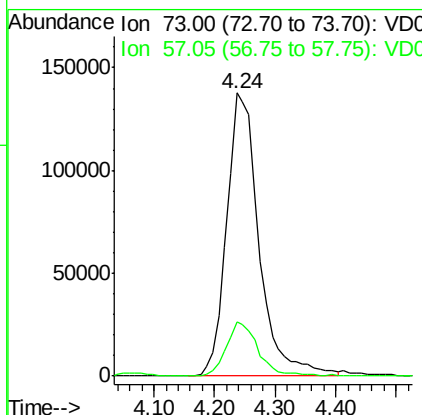
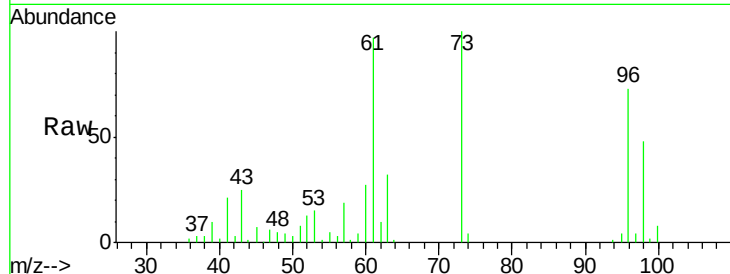




#19
Methyl tert-butyl Ether
Concen: 46.212 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

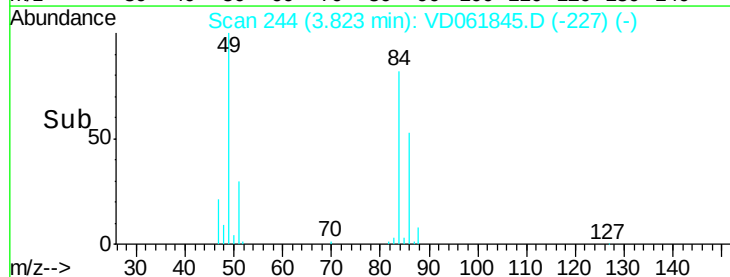
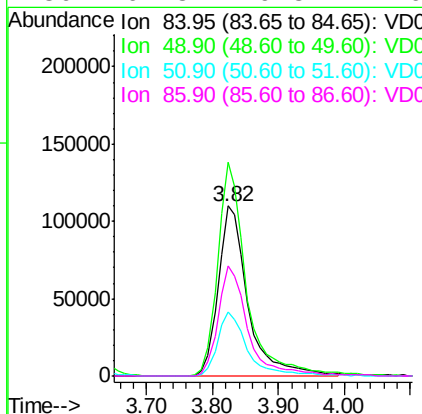
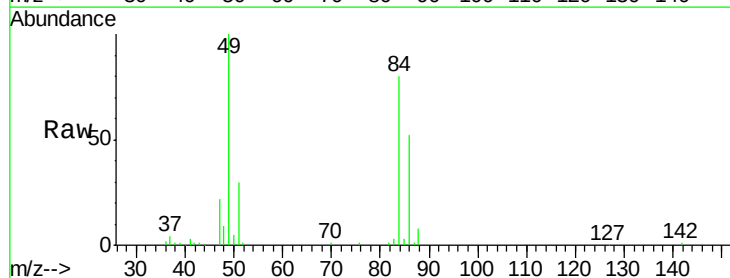
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

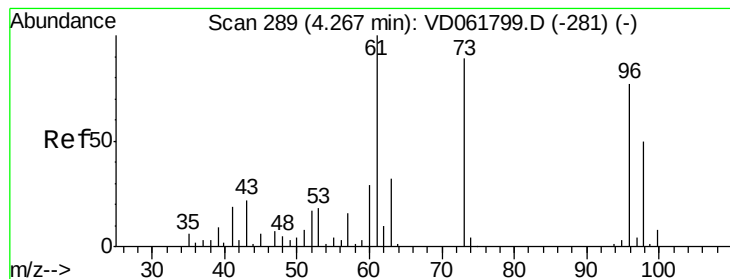
Tot Ion: 73 Resp: 511521
Ion Ratio Lower Upper
73 100
57 19.1 16.3 24.5



#20
Methylene Chloride
Concen: 53.621 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 84 Resp: 345782
Ion Ratio Lower Upper
84 100
49 125.6 94.0 141.0
51 38.0 29.0 43.4
86 64.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.352 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

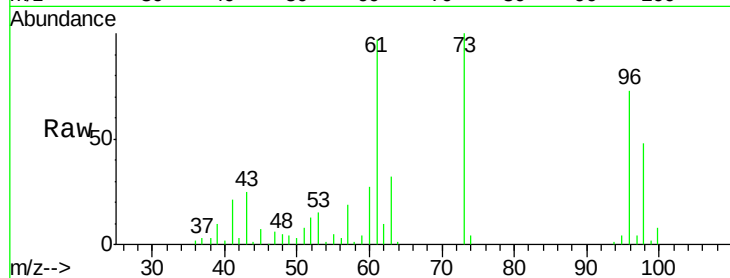
Tot Ion: 96 Resp: 315183

Ion Ratio Lower Upper

96 100

61 132.3 104.4 156.6

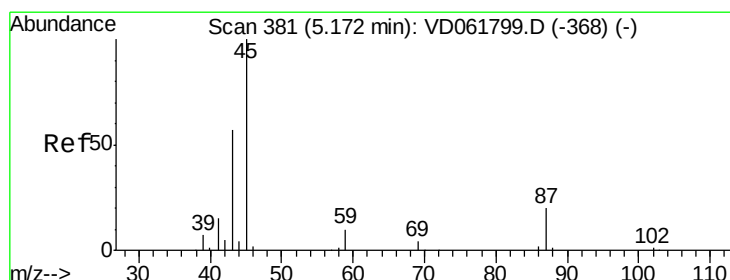
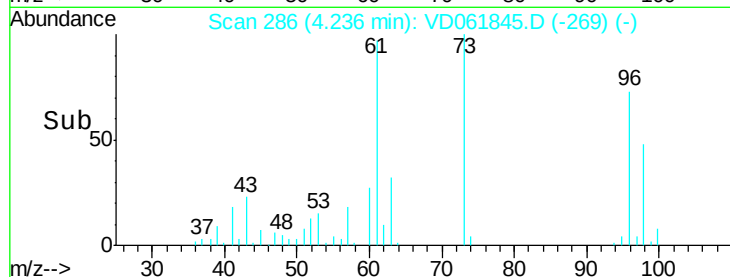
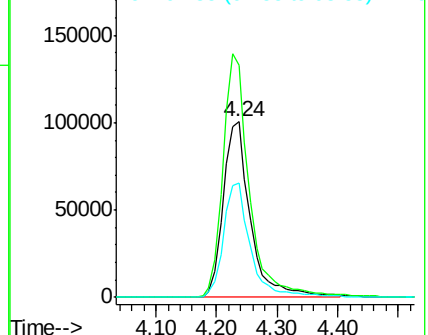
98 65.5 51.8 77.8



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: 48.428 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.05 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Tgt Ion: 45 Resp: 836931

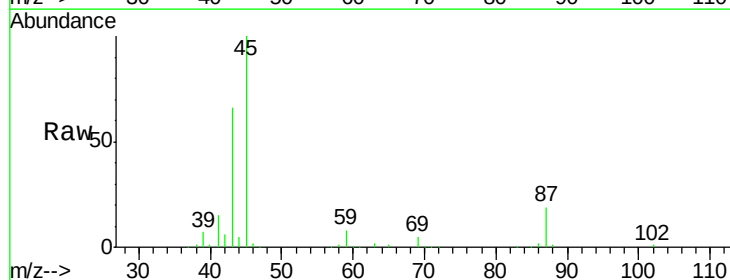
Ion Ratio Lower Upper

45 100

43 66.3 46.2 69.2

87 18.9 15.9 23.9

59 8.5 7.9 11.9

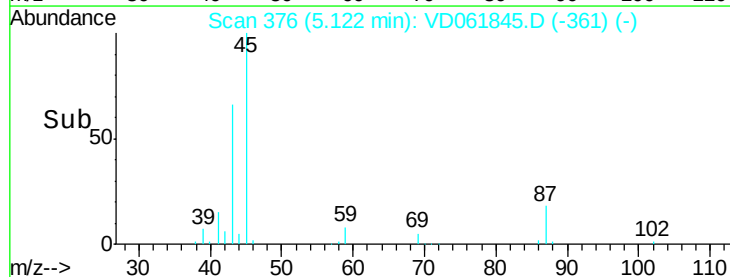
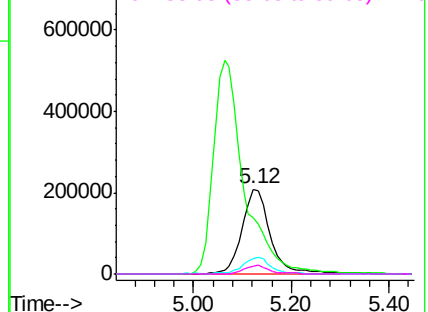


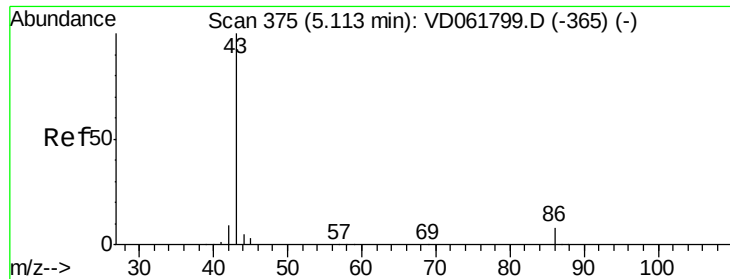
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

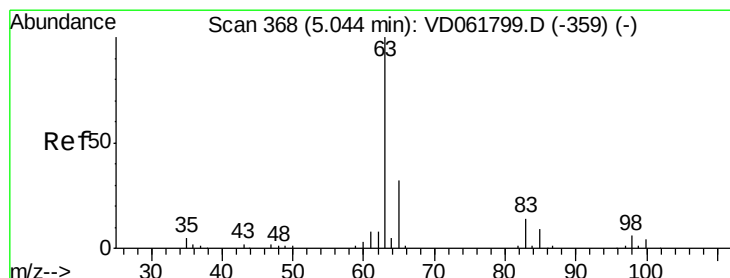
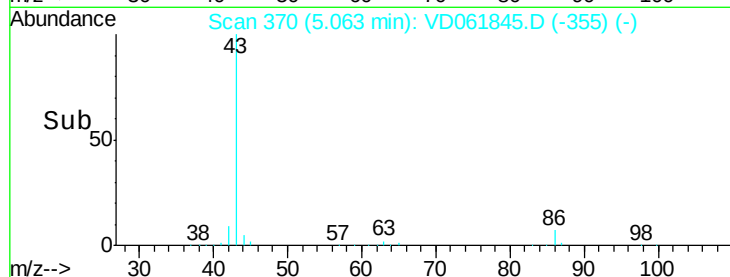
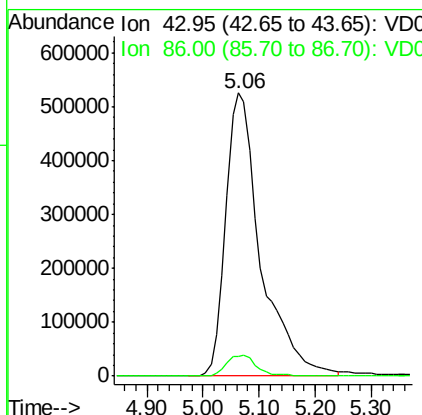
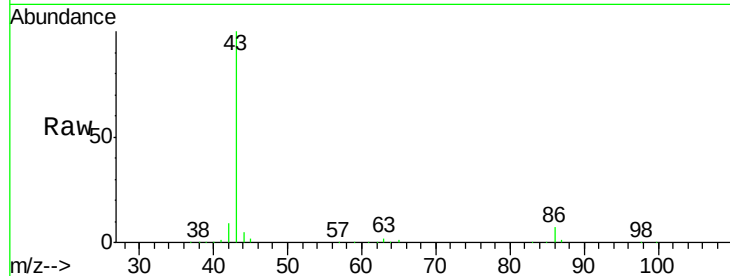




#23
 Vinyl Acetate
 Concen: 245.956 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. -0.05 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

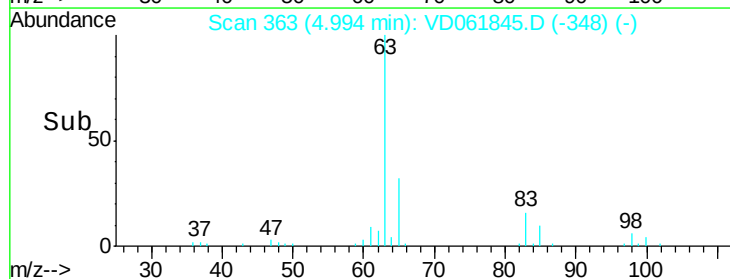
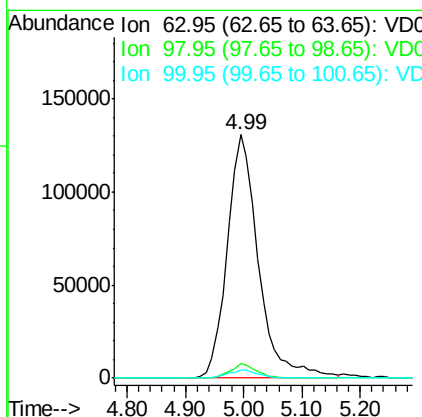
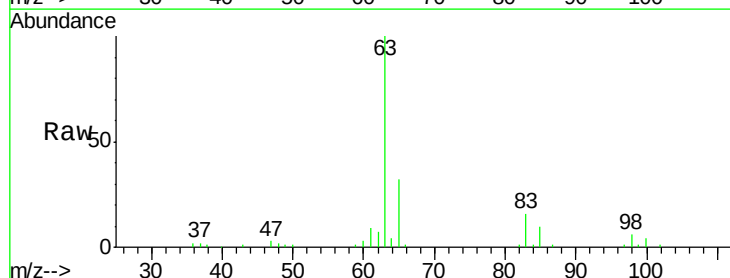
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

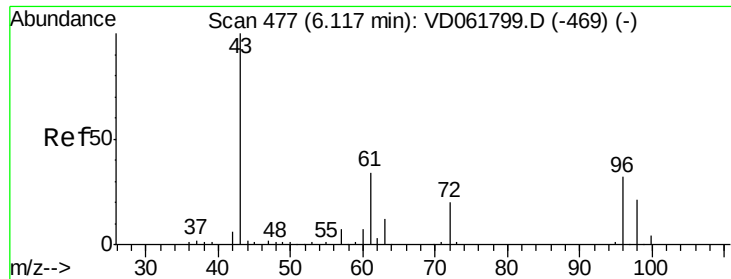
Tot Ion: 43 Resp: 2272207
 Ion Ratio Lower Upper
 43 100
 86 7.2 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 46.484 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. -0.05 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion: 63 Resp: 487058
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 245.632 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

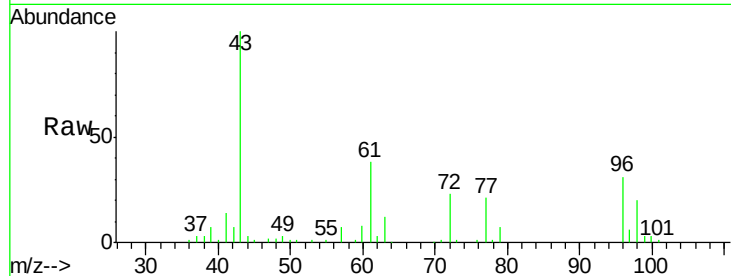
VSTDCCC050

Tot Ion: 43 Resp: 365055

Ion Ratio Lower Upper

43 100

72 22.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

120000

100000

80000

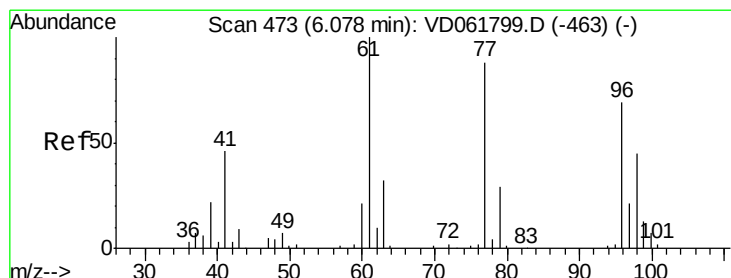
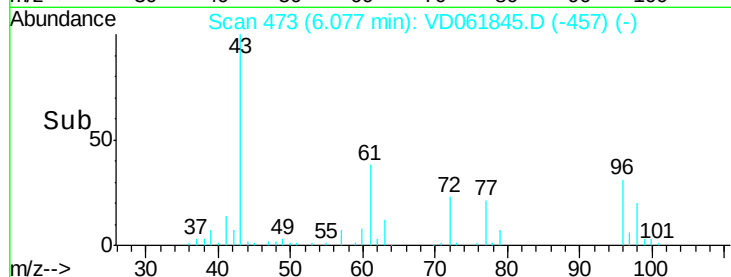
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 52.769 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.05 min

Lab File: VD061845.D

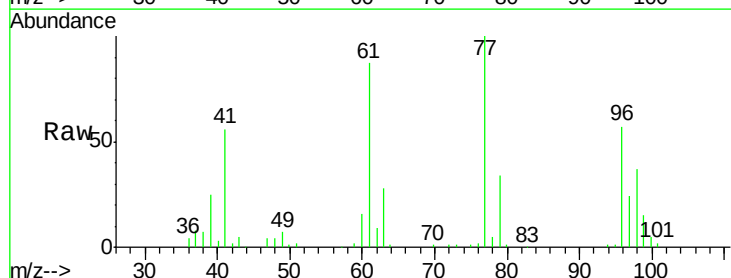
Acq: 17 Apr 2019 11:16

Tgt Ion: 77 Resp: 477912

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

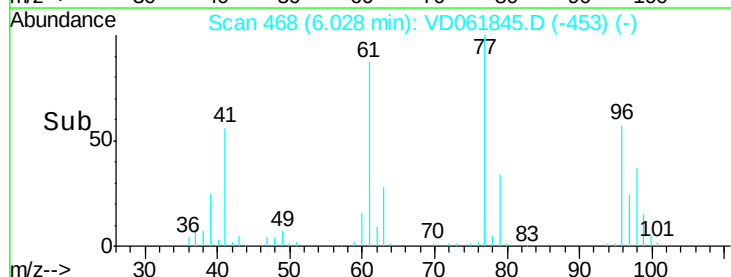
150000

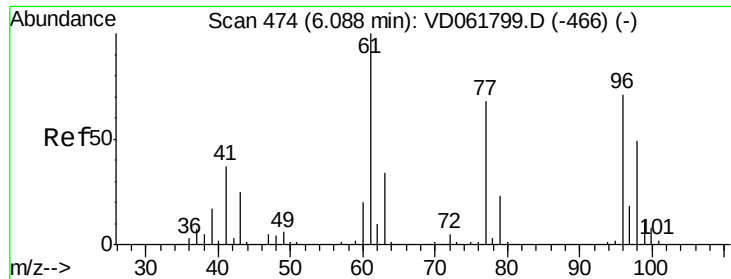
100000

50000

0

Time-->



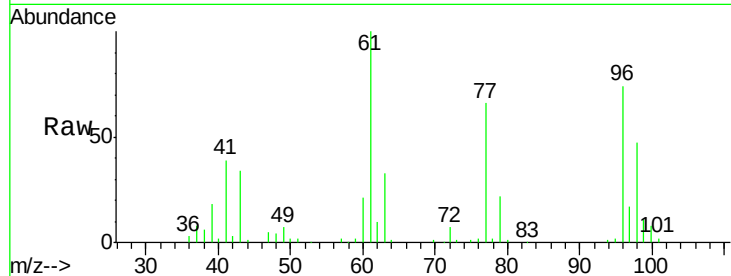


#27

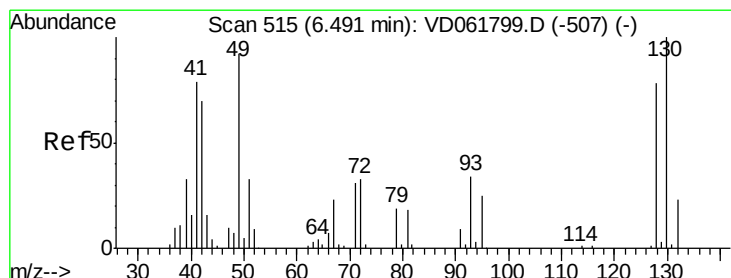
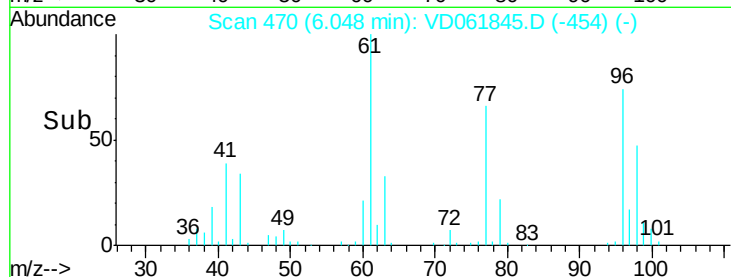
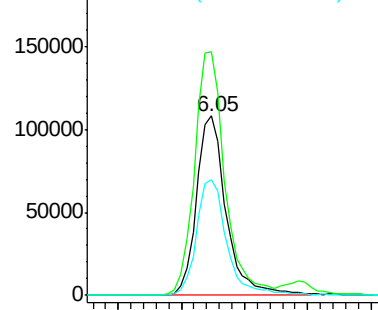
cis-1,2-Dichloroethene
Concen: 49.764 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	96	Resp	351645
Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	279.8
98	64.3	0.0	136.0



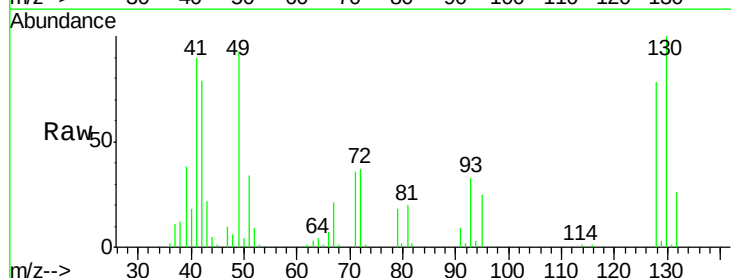
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



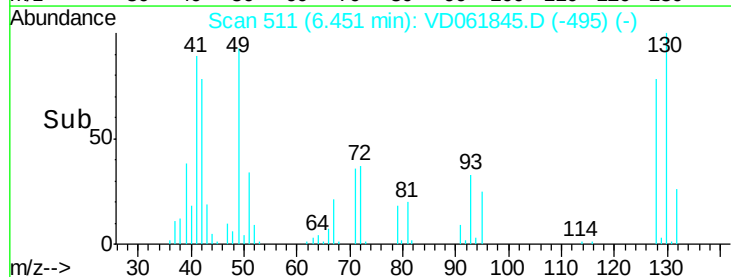
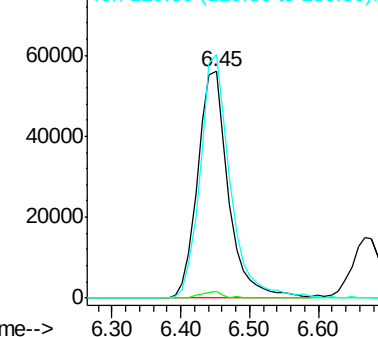
#28

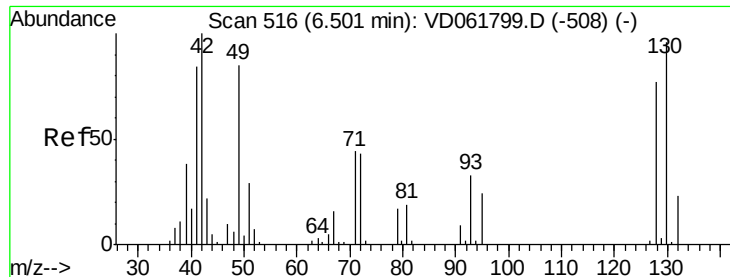
Bromochloromethane
Concen: 43.605 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion	49	Resp	173543
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	6.6
130	107.4	86.7	130.1



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

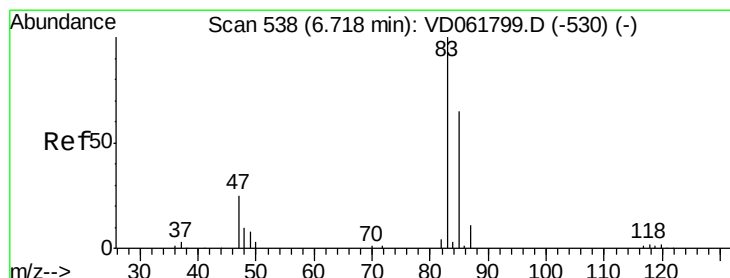
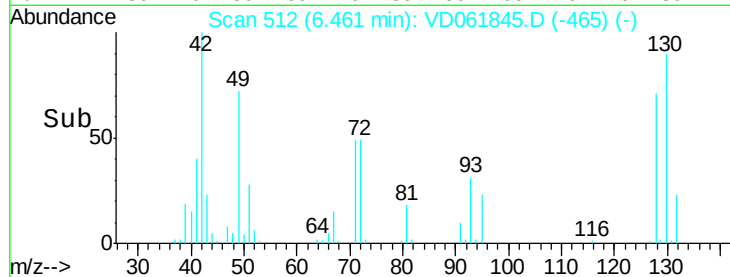
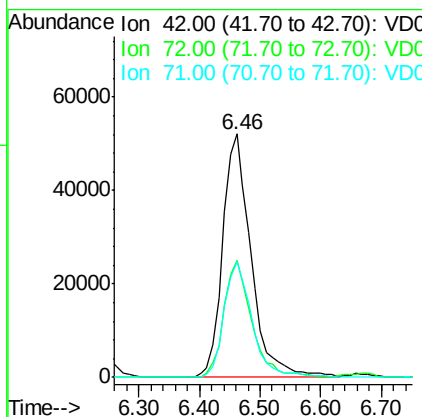
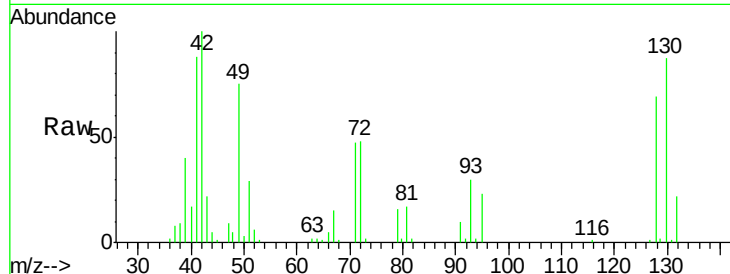




#29
Tetrahydrofuran
Concen: 233.949 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

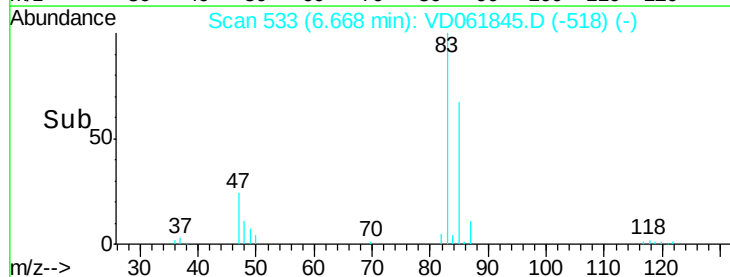
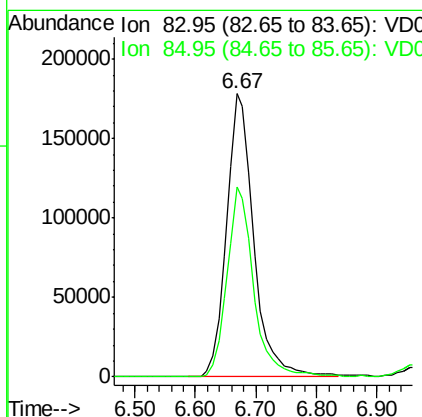
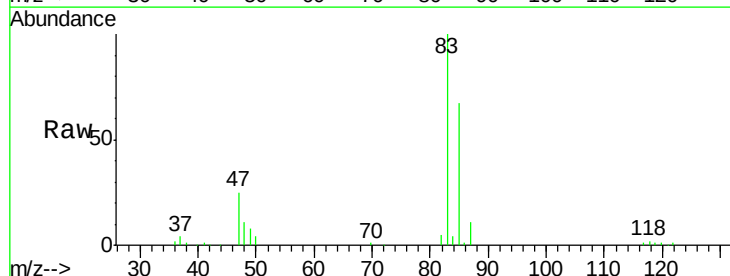
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

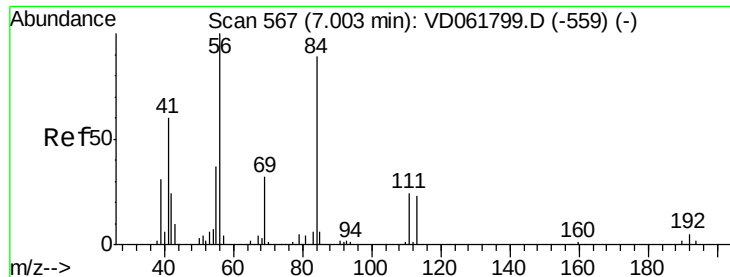
Tot Ion: 42 Resp: 169366
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 46.8 36.7 55.1



#30
Chloroform
Concen: 47.386 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.05 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 83 Resp: 553793
Ion Ratio Lower Upper
83 100
85 66.9 51.7 77.5

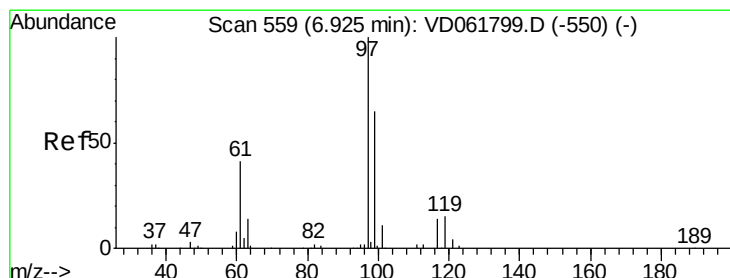
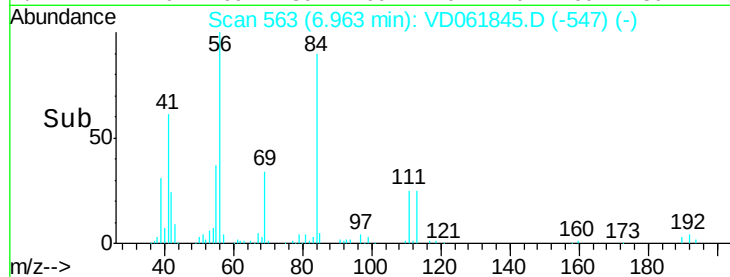
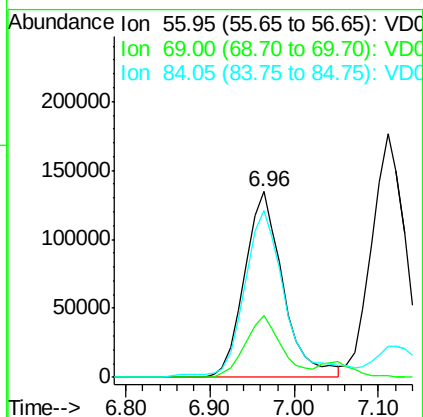
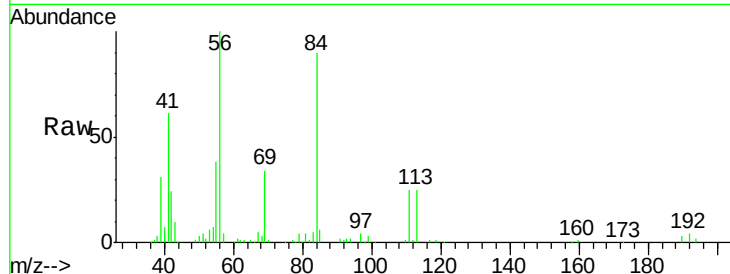




#31
Cyclohexane
Concen: 53.803 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

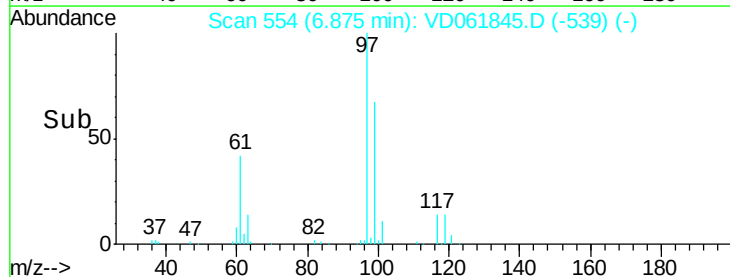
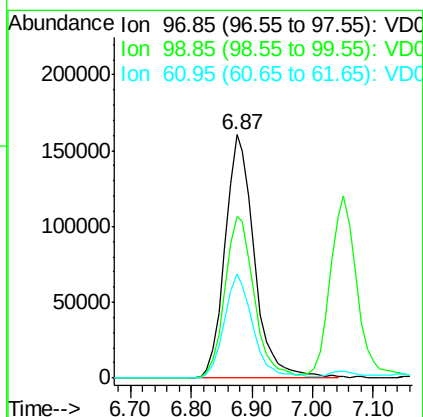
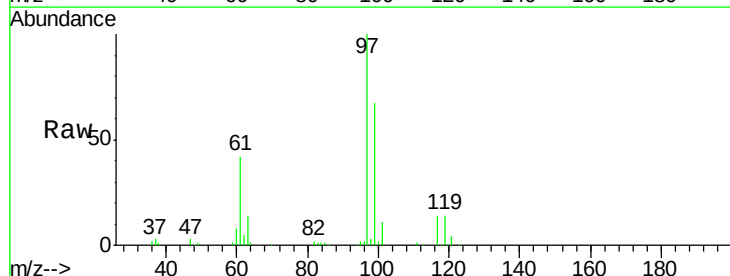
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

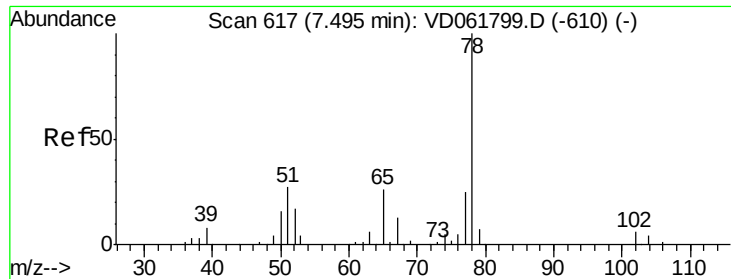
Tot Ion: 56 Resp: 431560
Ion Ratio Lower Upper
56 100
69 33.5 25.8 38.6
84 89.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 51.985 ug/l
RT: 6.87 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 97 Resp: 538560
Ion Ratio Lower Upper
97 100
99 66.5 52.2 78.2
61 42.5 32.4 48.6

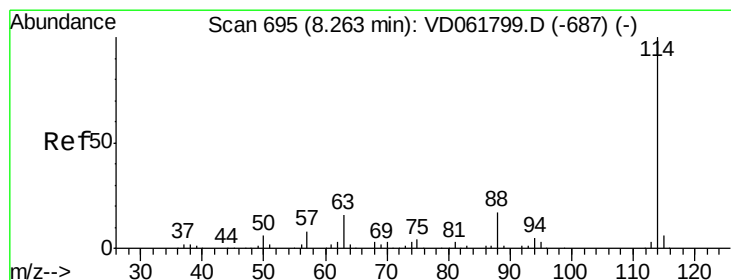
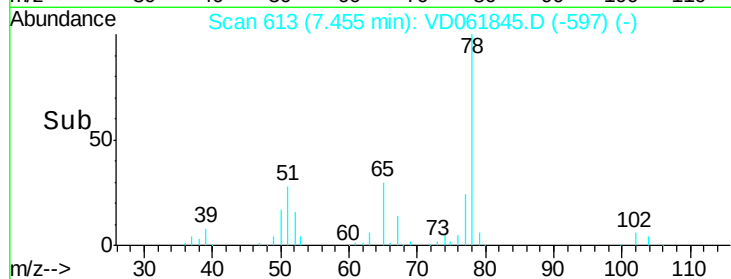
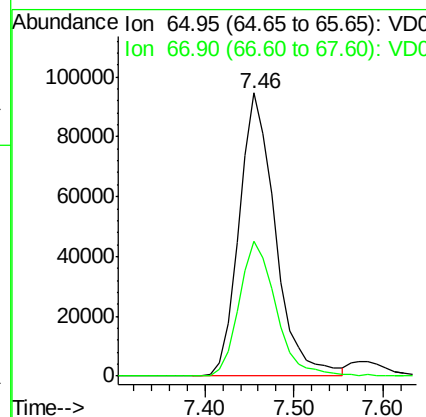
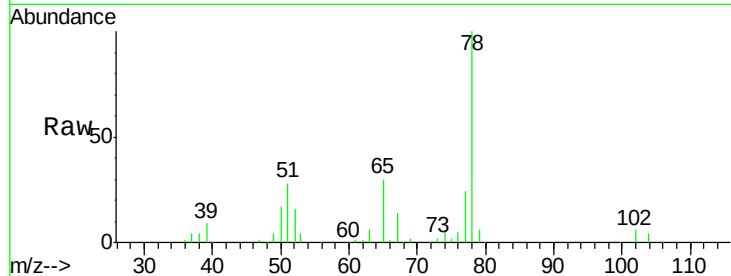




#33
 1,2-Dichloroethane-d4
 Concen: 51.985 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

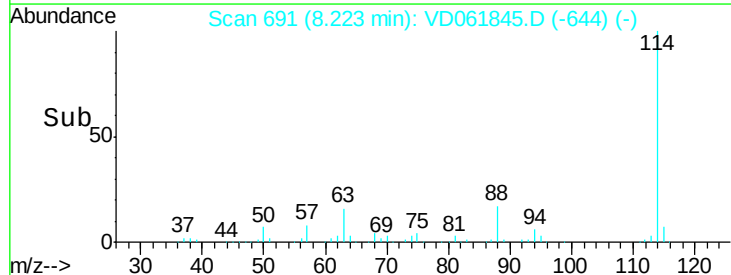
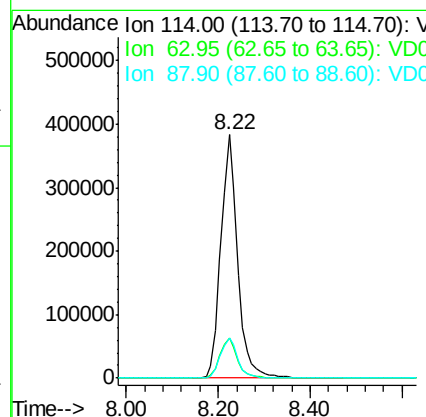
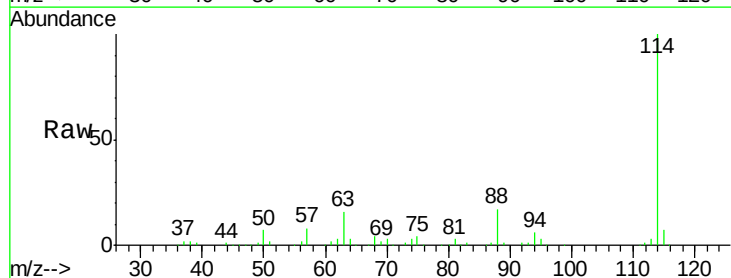
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

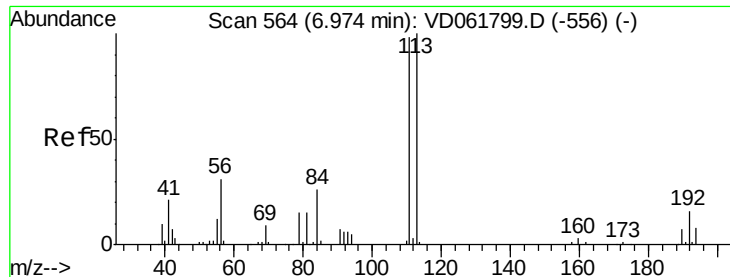
Tot Ion: 65 Resp: 266750
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion: 114 Resp: 963236
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 32.4
 88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

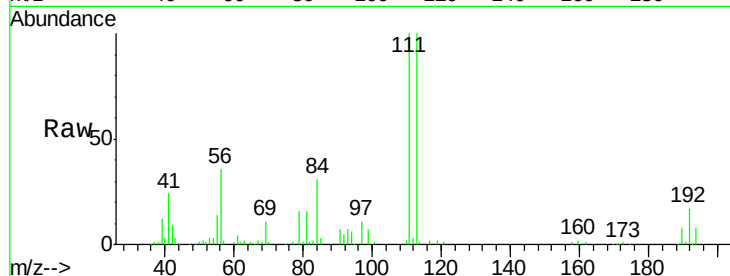
Tot Ion:113 Resp: 404279

Ion Ratio Lower Upper

113 100

111 100.3 78.5 117.7

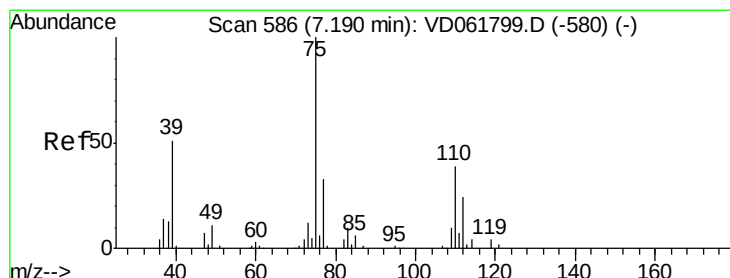
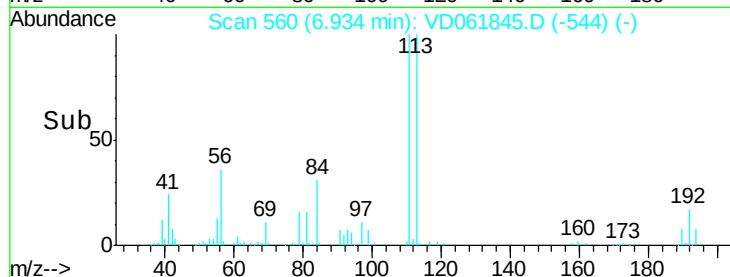
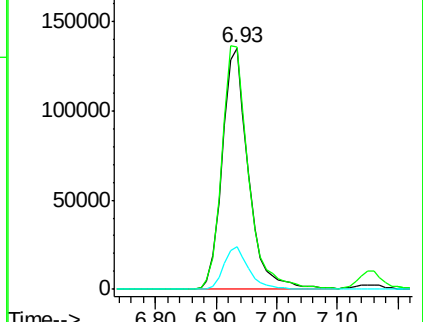
192 17.5 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 55.538 ug/l

RT: 7.15 min Scan# 582

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

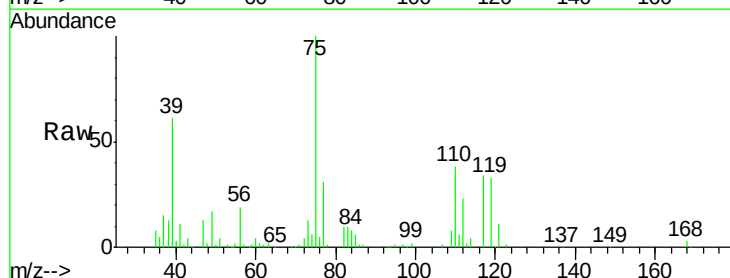
Tgt Ion: 75 Resp: 437148

Ion Ratio Lower Upper

75 100

110 37.6 19.1 57.1

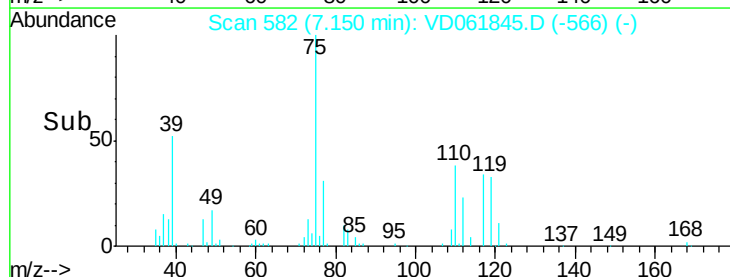
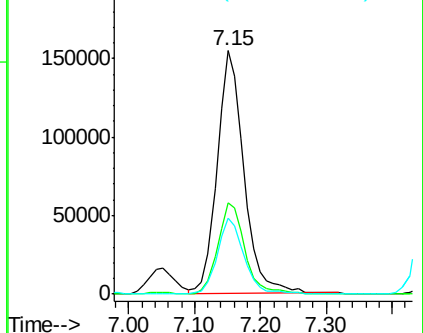
77 31.3 25.6 38.4

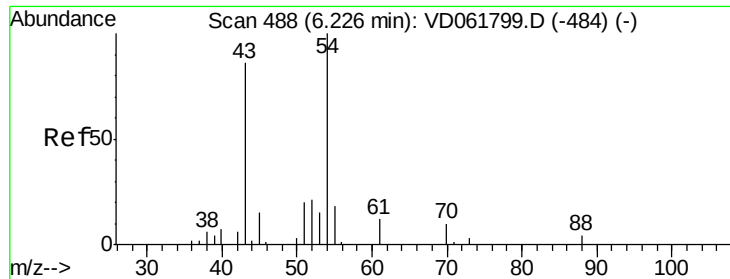


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

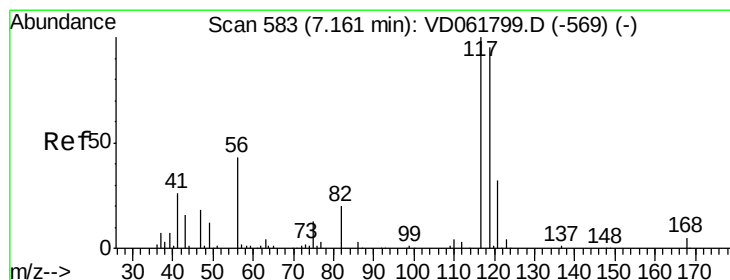
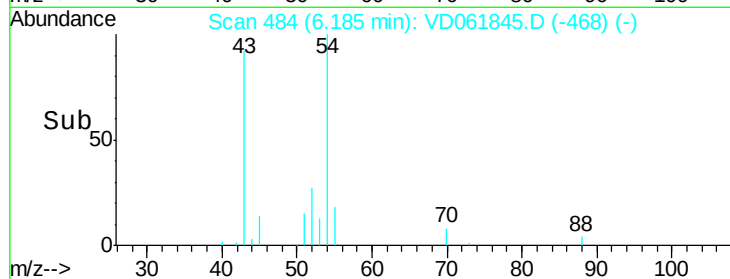
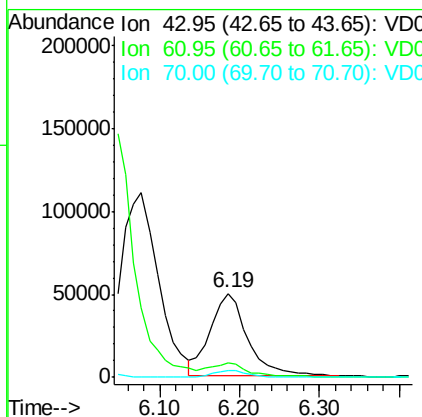
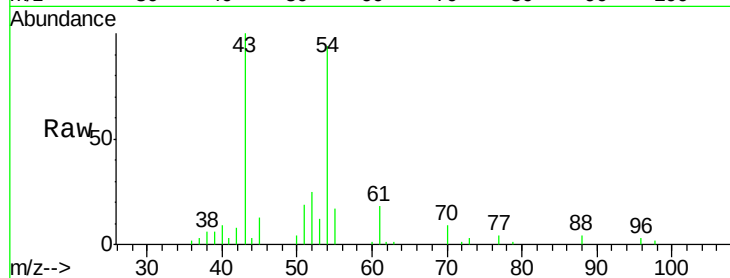




#37
Ethyl Acetate
Concen: 48.494 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

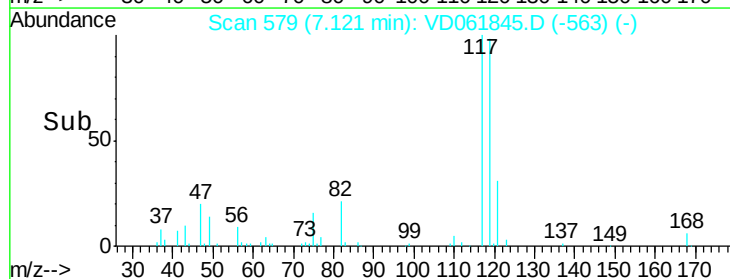
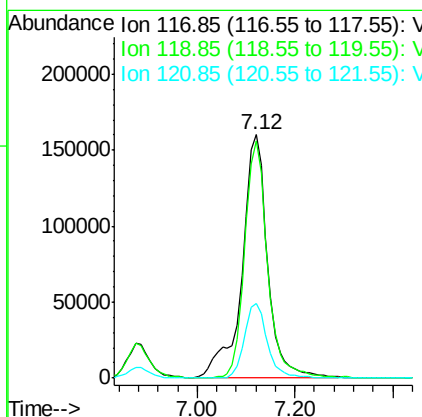
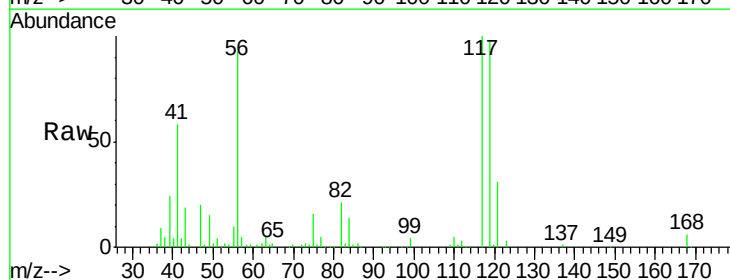
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

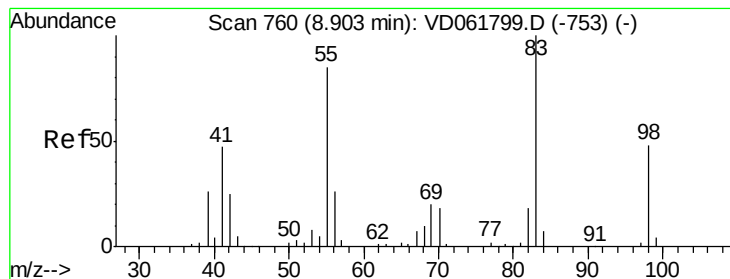
Tot Ion: 43 Resp: 163368
Ion Ratio Lower Upper
43 100
61 17.6 14.7 22.1
70 8.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 58.551 ug/l
RT: 7.12 min Scan# 579
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 117 Resp: 581939
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.8
121 30.9 25.9 38.9





#39

Methylvlcyclohexane

Concen: 54.920 ug/l

RT: 8.87 min Scan# 757

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

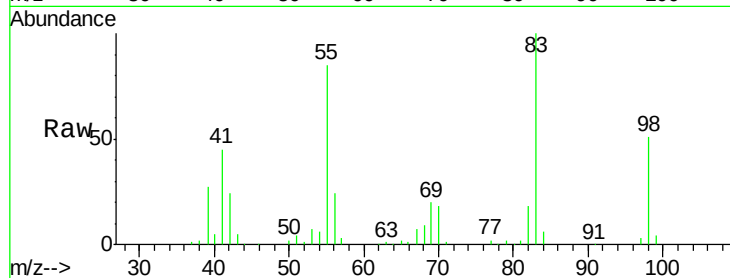
Tot Ion: 83 Resp: 448903

Ion Ratio Lower Upper

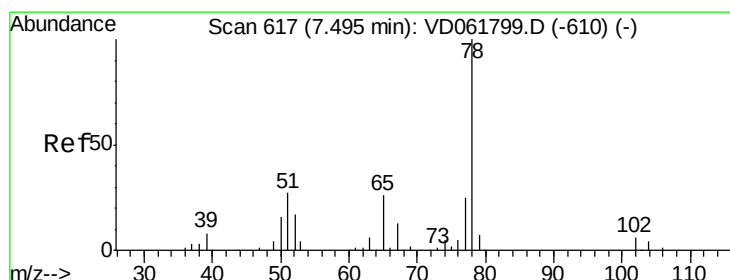
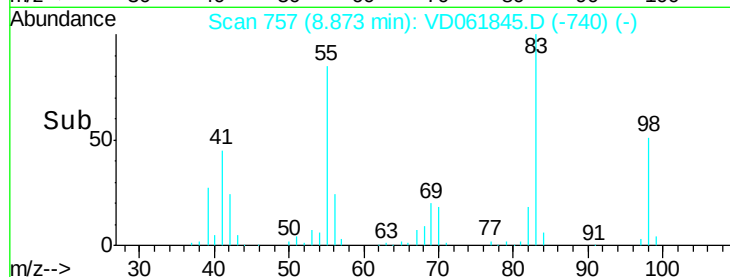
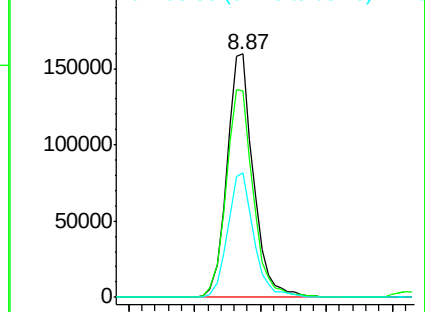
83 100

55 84.7 68.2 102.4

98 51.0 38.2 57.4



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



#40

Benzene

Concen: 51.685 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061845.D

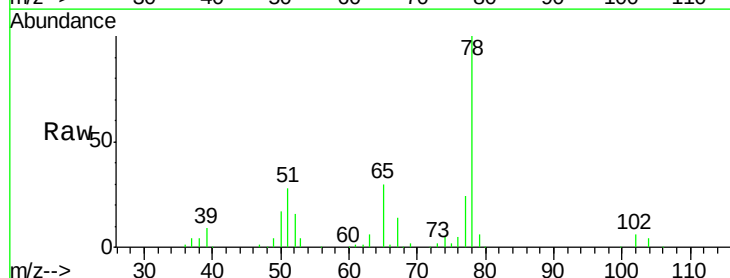
Acq: 17 Apr 2019 11:16

Tgt Ion: 78 Resp: 976690

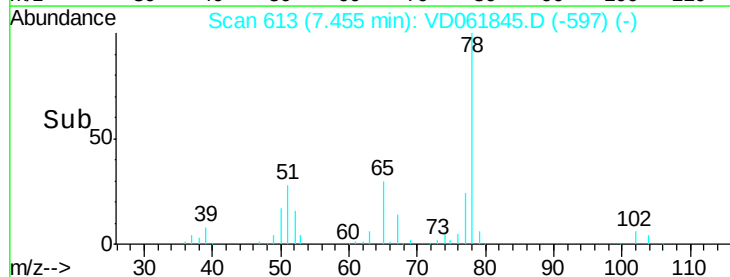
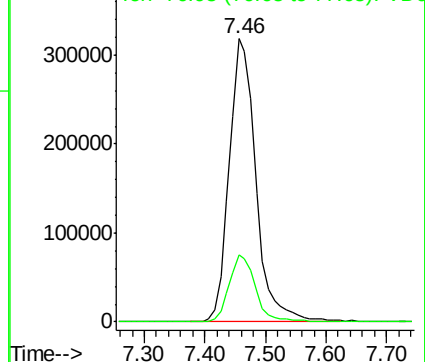
Ion Ratio Lower Upper

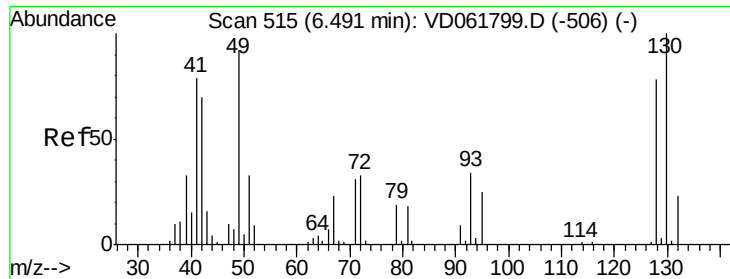
78 100

77 23.7 19.7 29.5



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

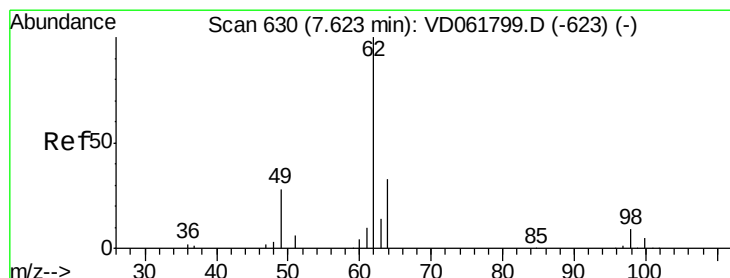
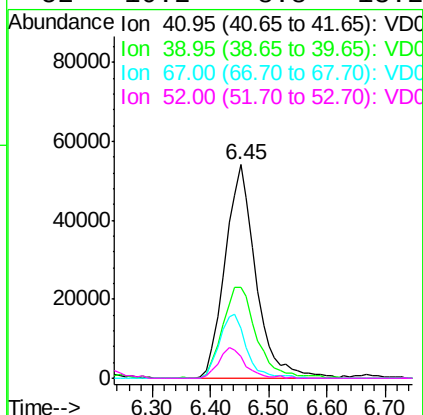
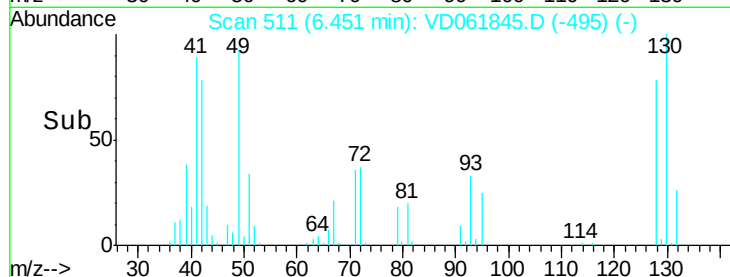
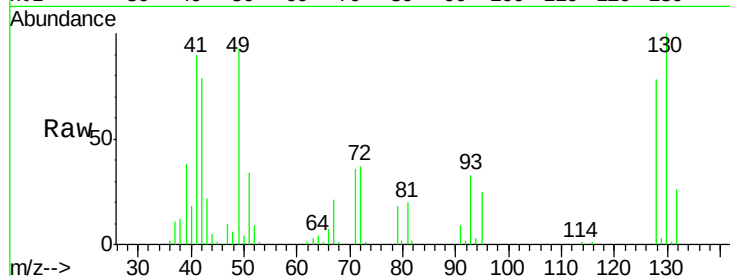




#41
Methacrylonitrile
Concen: 49.769 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

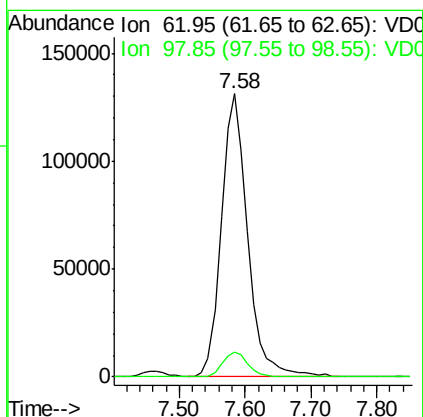
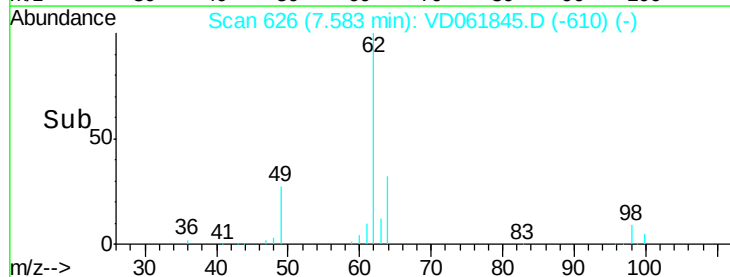
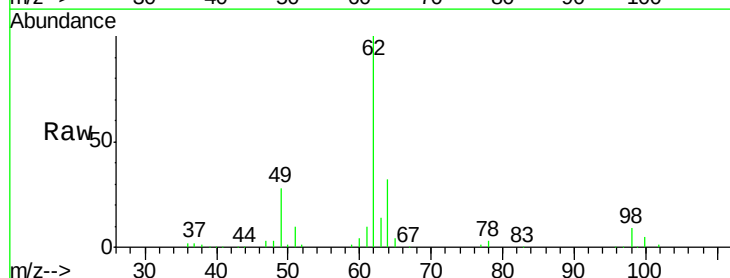
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

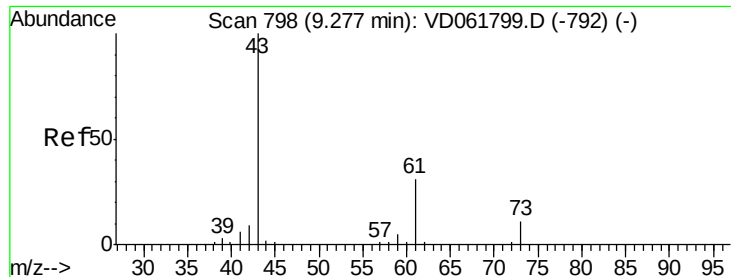
Tot Ion: 41 Resp: 198168
Ion Ratio Lower Upper
41 100
39 42.4 34.1 51.1
67 23.2 23.8 35.6#
52 10.2 8.8 13.2



#42
1,2-Dichloroethane
Concen: 55.500 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 62 Resp: 365266
Ion Ratio Lower Upper
62 100
98 8.6 0.0 17.8





#43

Isopropyl Acetate

Concen: 48.458 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

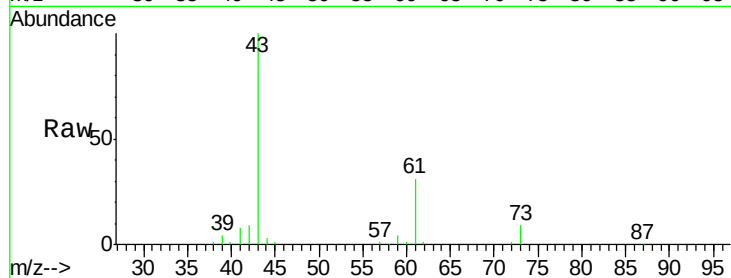
Tot Ion: 43 Resp: 229726

Ion Ratio Lower Upper

43 100

61 30.8 25.1 37.7

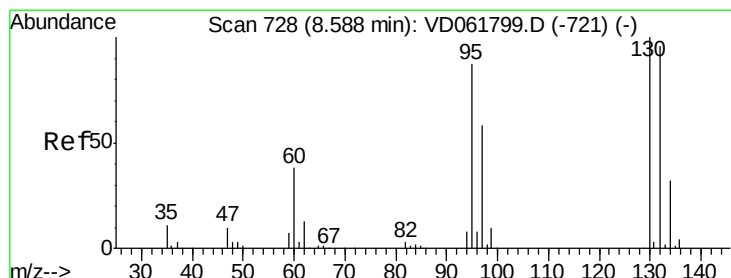
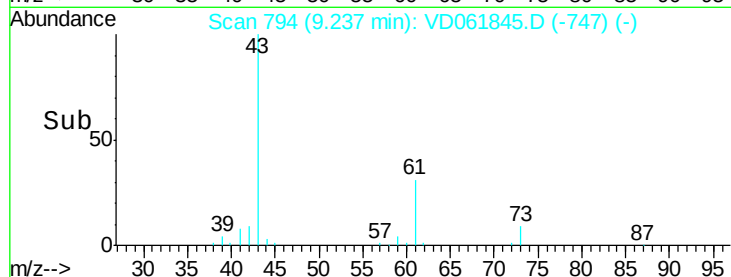
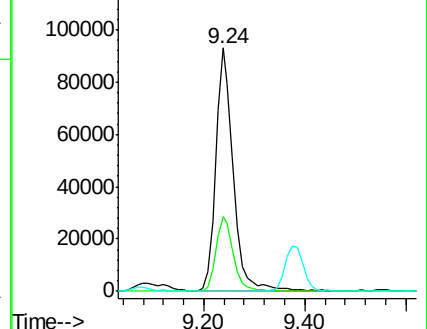
87 0.4 0.0 0.0#



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: 54.157 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.05 min

Lab File: VD061845.D

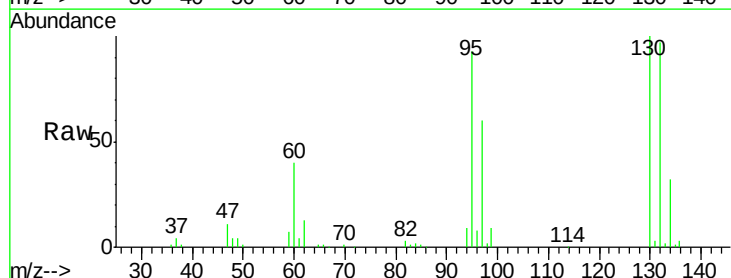
Acq: 17 Apr 2019 11:16

Tgt Ion:130 Resp: 393969

Ion Ratio Lower Upper

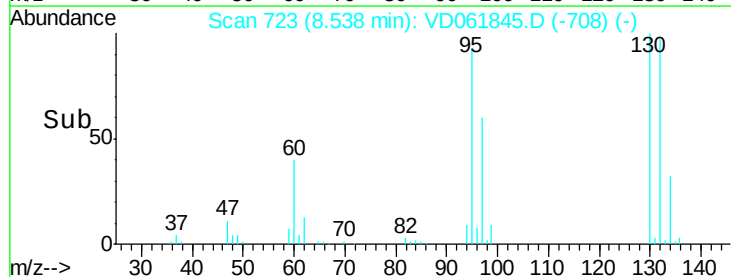
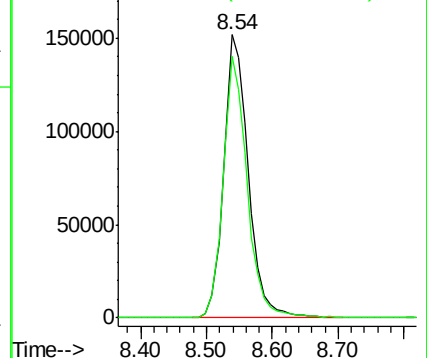
130 100

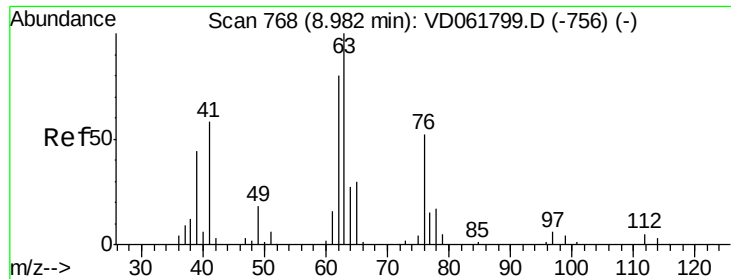
95 92.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.797 ug/l

RT: 8.94 min Scan# 764

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

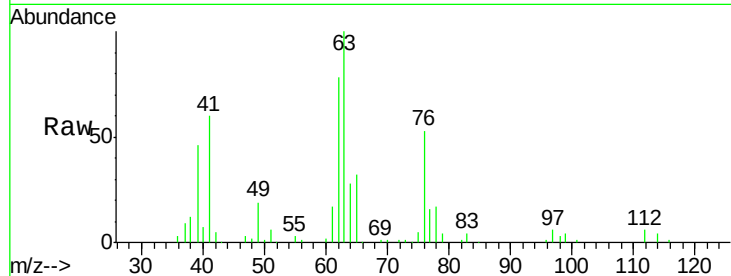
VSTDCCC050

Tot Ion: 63 Resp: 250033

Ion Ratio Lower Upper

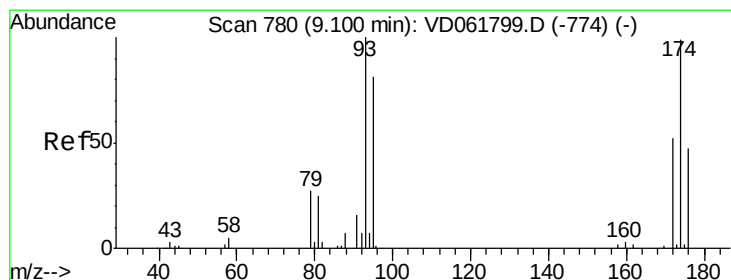
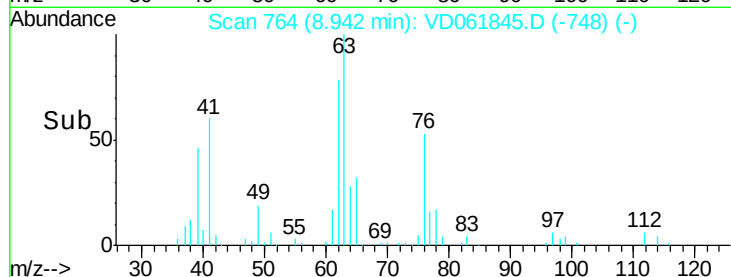
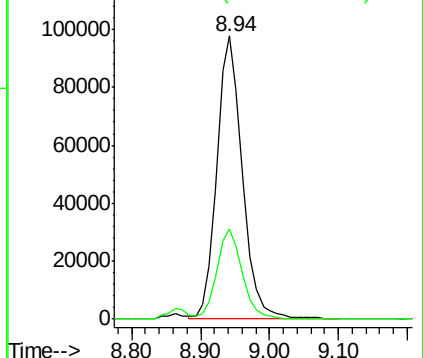
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.546 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

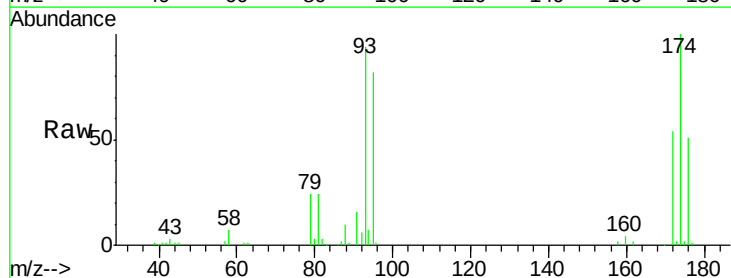
Tgt Ion: 93 Resp: 180787

Ion Ratio Lower Upper

93 100

95 86.8 64.8 97.2

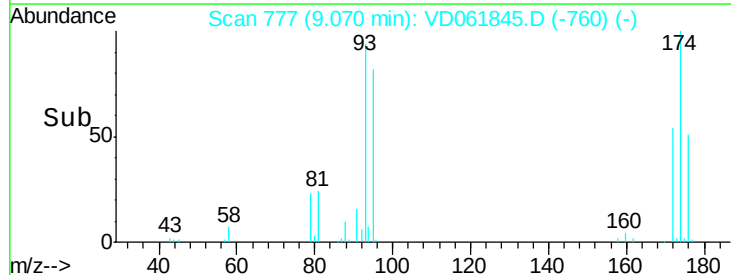
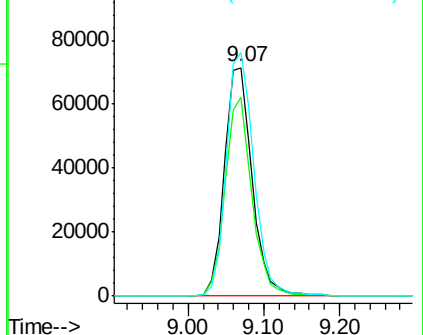
174 106.4 79.3 118.9

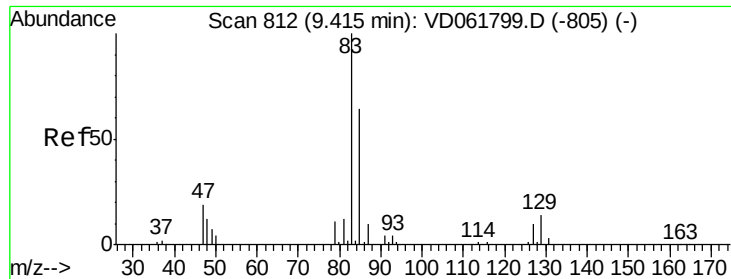


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.808 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

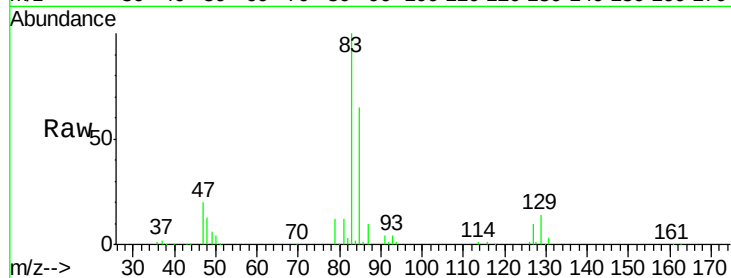
Tot Ion: 83 Resp: 419195

Ion Ratio Lower Upper

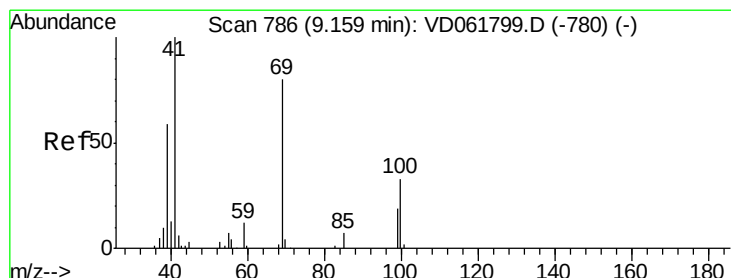
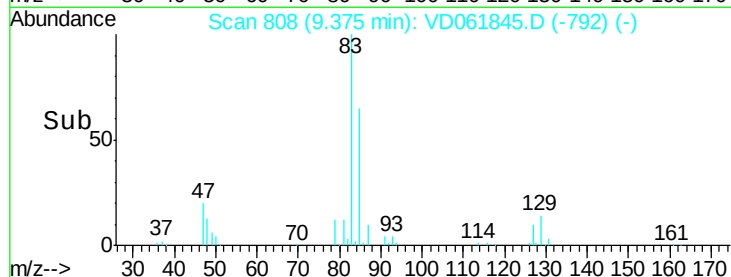
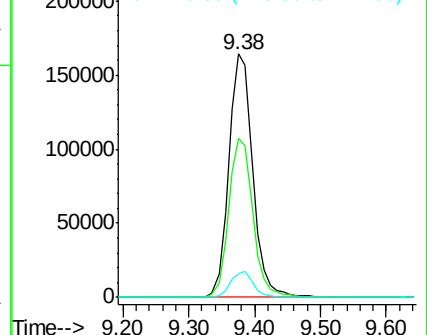
83 100

85 65.4 50.9 76.3

127 9.6 8.1 12.1



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: 46.942 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

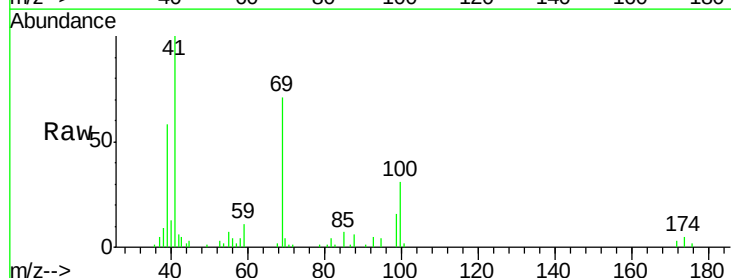
Tgt Ion: 41 Resp: 130812

Ion Ratio Lower Upper

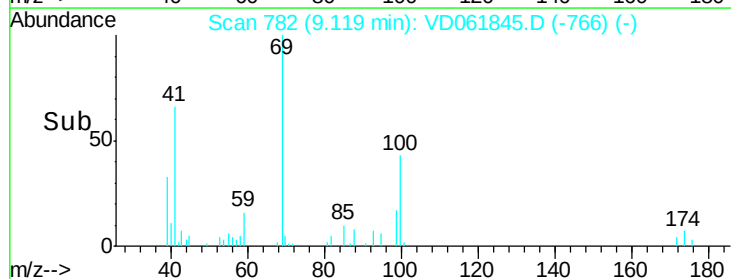
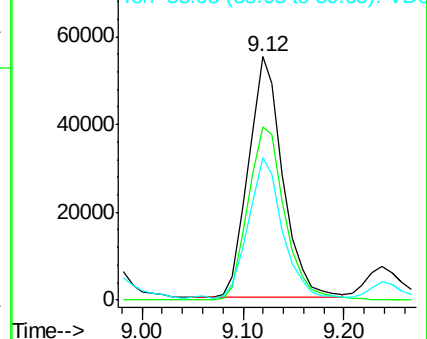
41 100

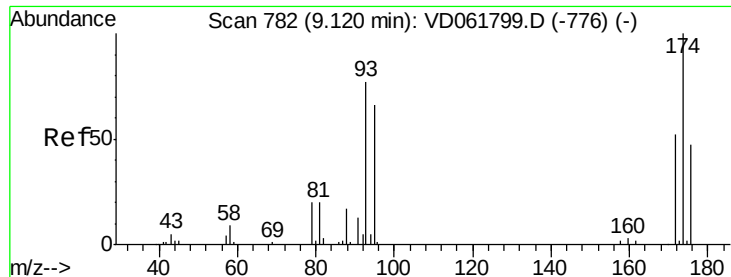
69 70.9 64.2 96.2

39 58.5 46.8 70.2



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

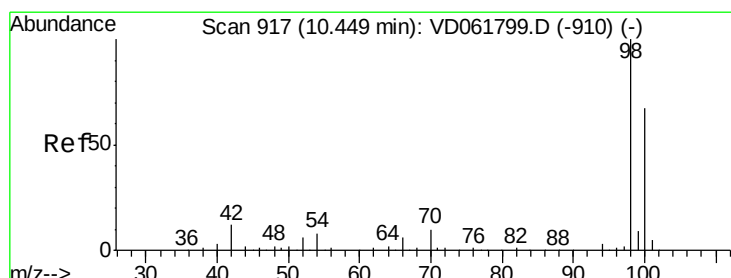
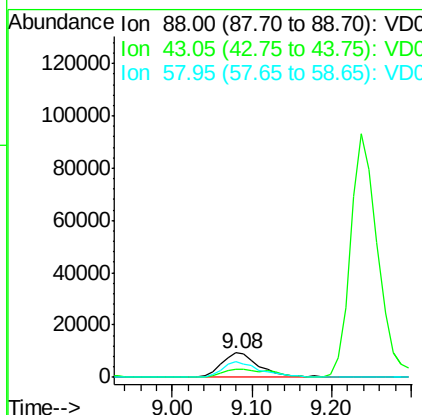
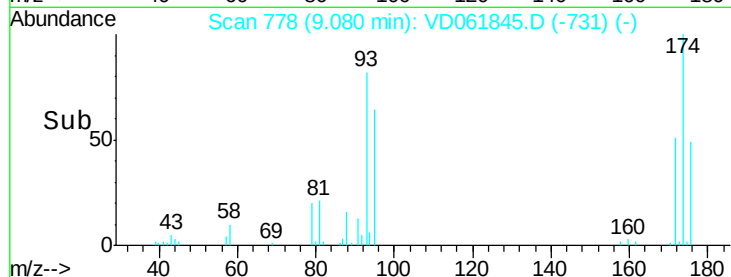
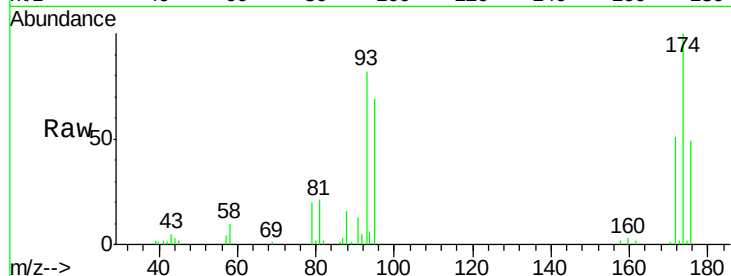




#49
1,4-Dioxane
Concen: 1033.408 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

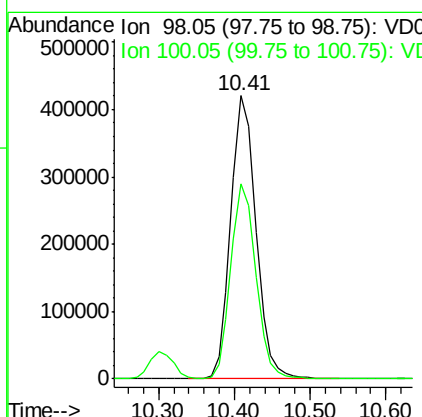
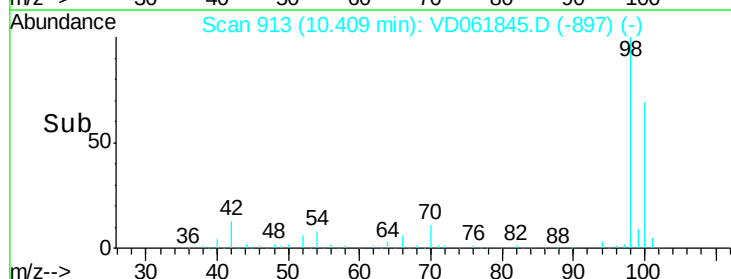
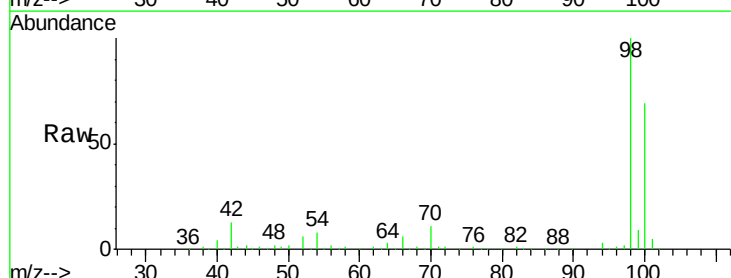
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

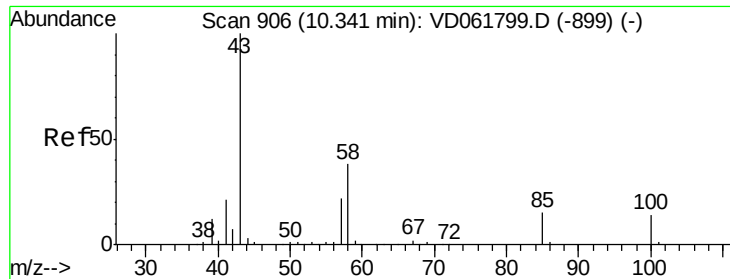
Tot Ion: 88 Resp: 31476
Ion Ratio Lower Upper
88 100
43 33.1 23.4 35.0
58 61.6 44.0 66.0



#50
Toluene-d8
Concen: 1033.408 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 98 Resp: 971787
Ion Ratio Lower Upper
98 100
100 68.9 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 250.251 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

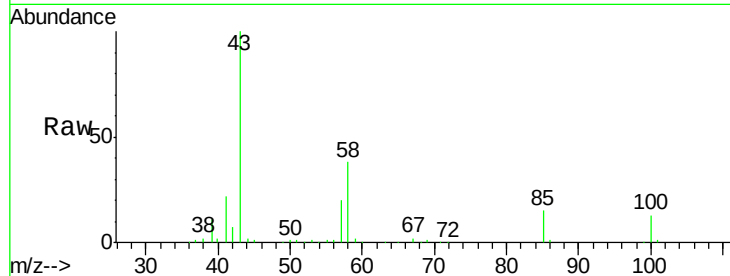
VSTDCCC050

Tot Ion: 43 Resp: 725508

Ion Ratio Lower Upper

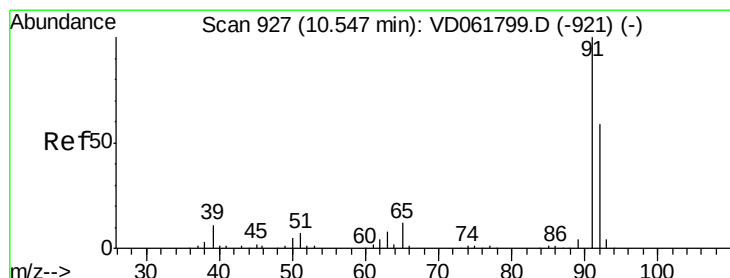
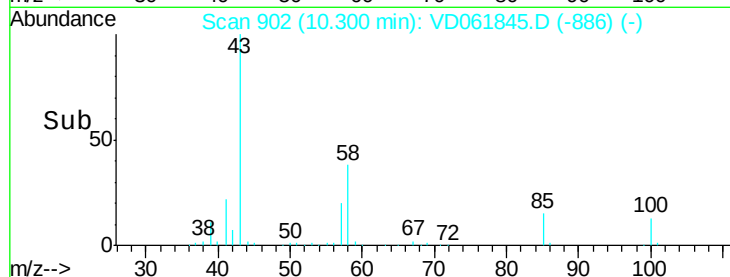
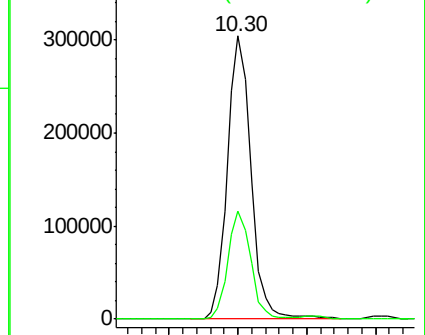
43 100

58 38.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.009 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.04 min

Lab File: VD061845.D

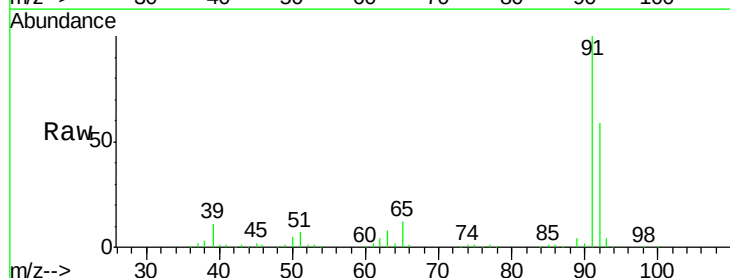
Acq: 17 Apr 2019 11:16

Tgt Ion: 92 Resp: 629818

Ion Ratio Lower Upper

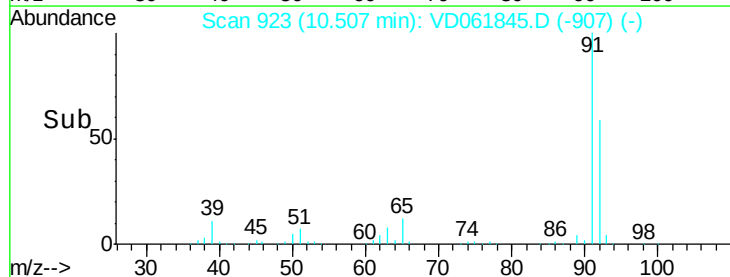
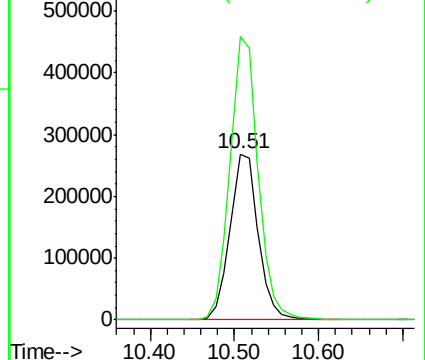
92 100

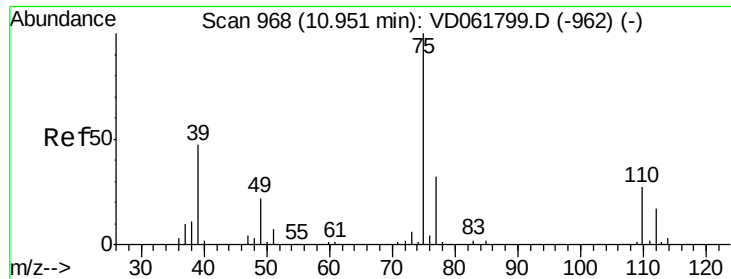
91 170.5 136.6 204.8



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: 53.637 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.04 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

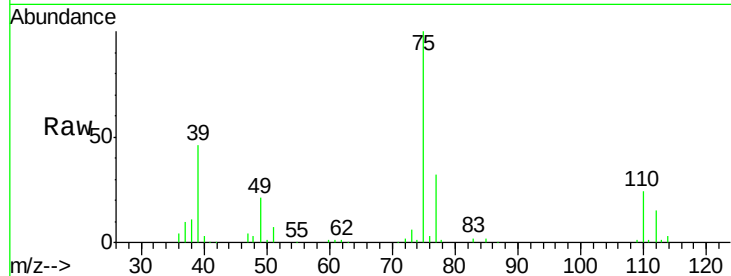
VSTDCCC050

Tot Ion: 75 Resp: 391062

Ion Ratio Lower Upper

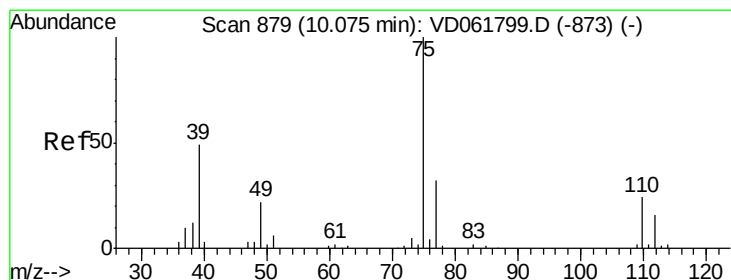
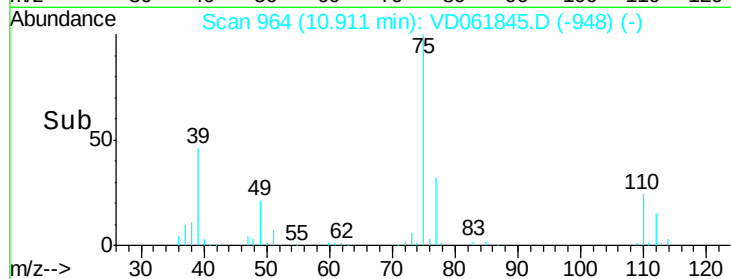
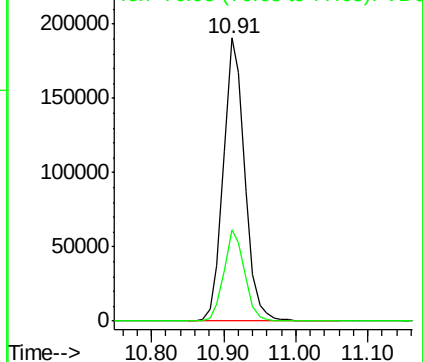
75 100

77 32.3 25.8 38.8



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: 49.863 ug/l

RT: 10.04 min Scan# 876

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

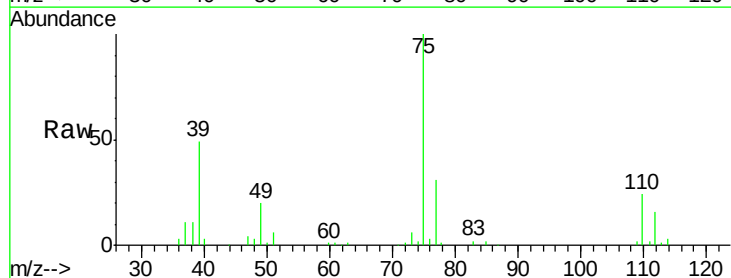
Tgt Ion: 75 Resp: 426736

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

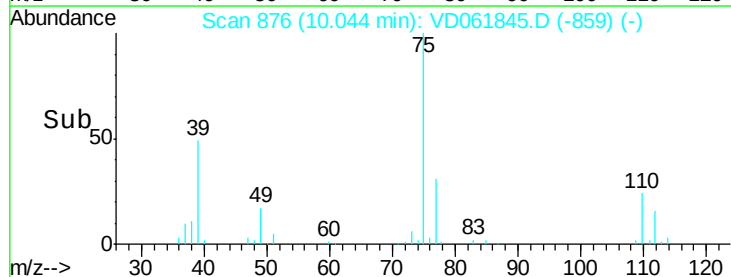
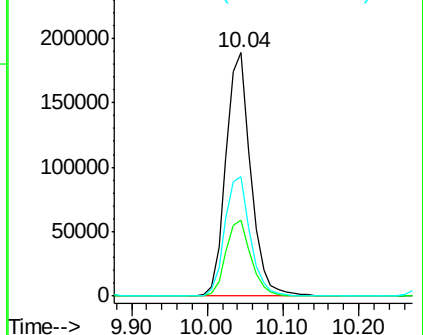
39 49.3 39.4 59.2

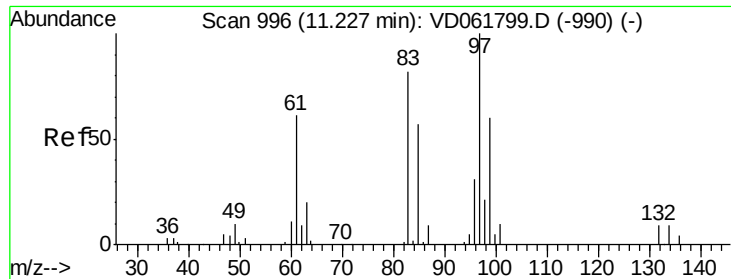


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

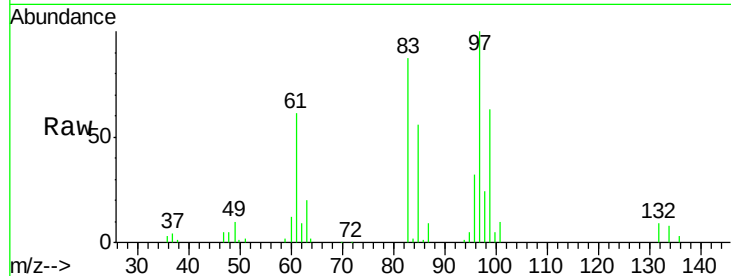




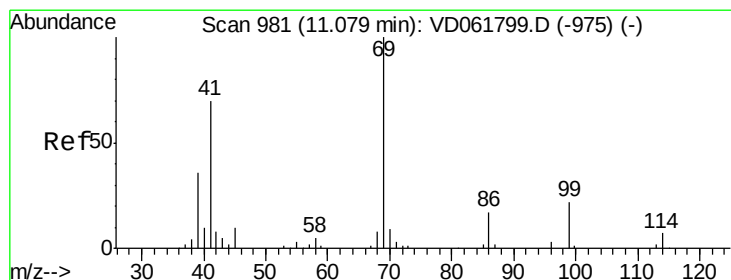
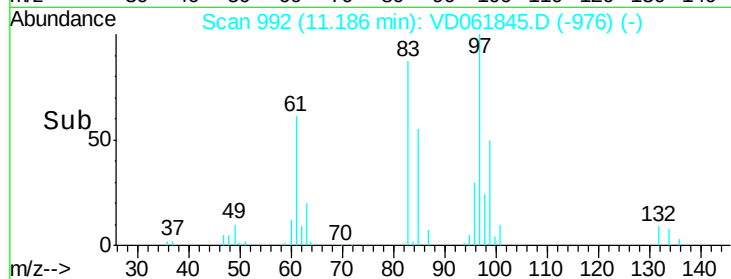
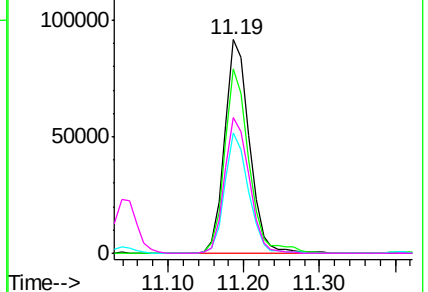
#55
 1,1,2-Trichloroethane
 Concen: 50.488 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	206020
Ion	Ratio	Lower	Upper
97	100		
83	86.6	65.7	98.5
85	56.3	45.6	68.4
99	63.4	48.4	72.6

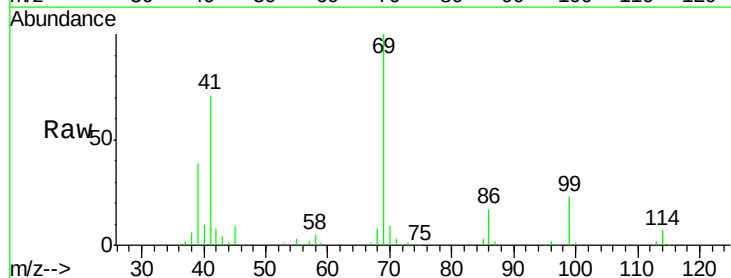


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

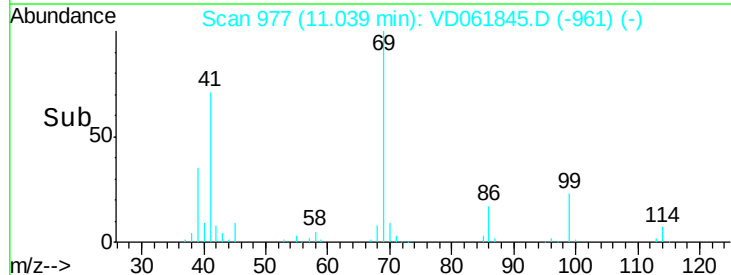
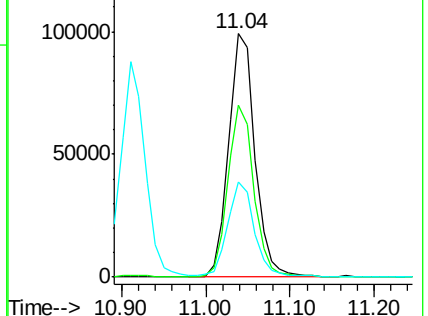


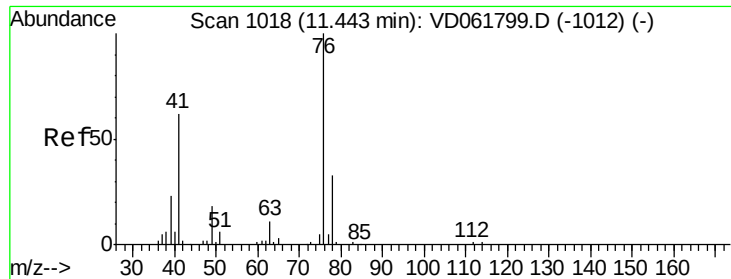
#56
 Ethyl methacrylate
 Concen: 48.179 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion:	69	Resp:	215772
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.3	84.5
39	39.3	29.4	44.2



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

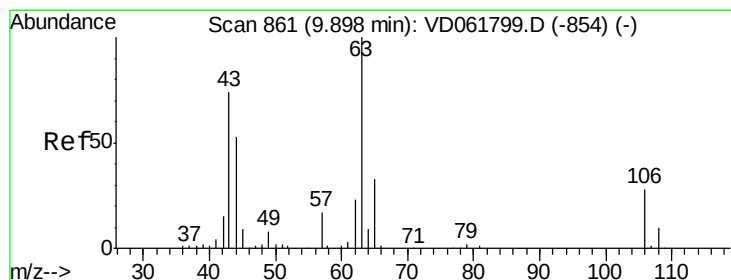
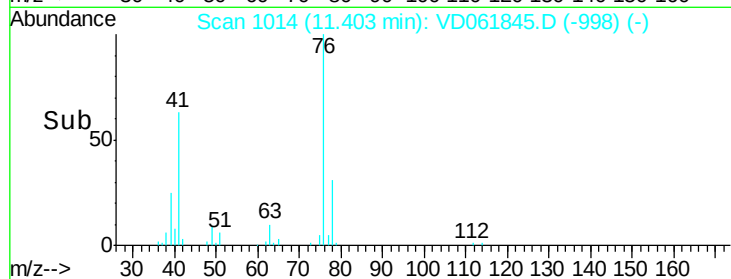
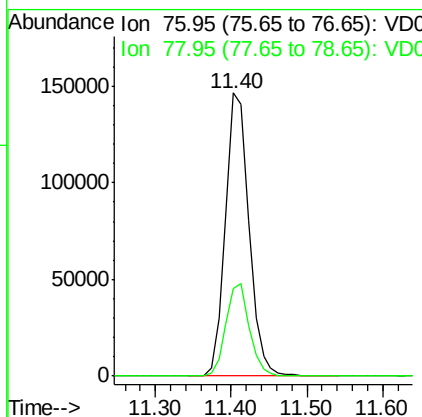
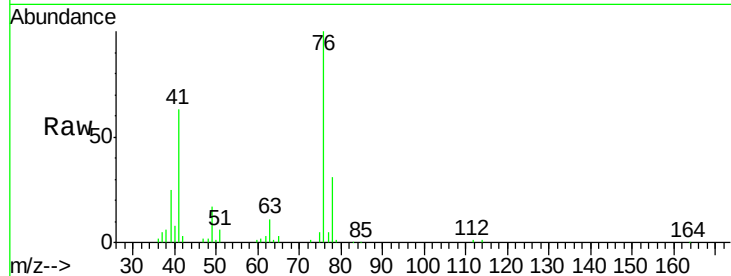




#57
 1,3-Dichloropropane
 Concen: 51.410 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

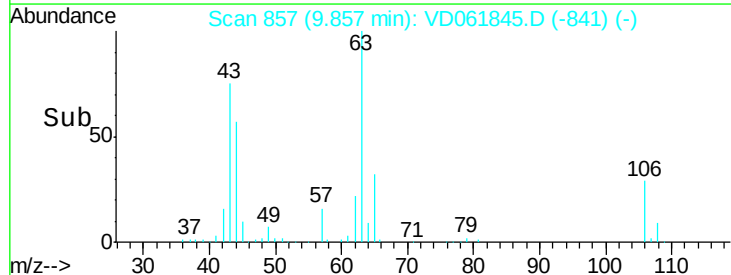
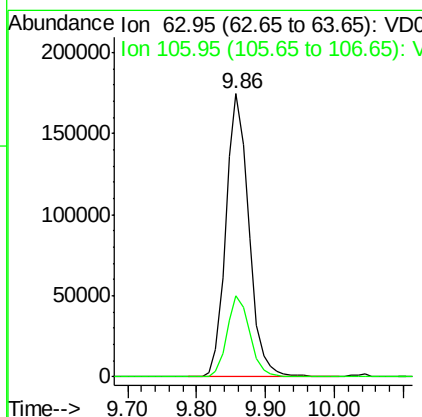
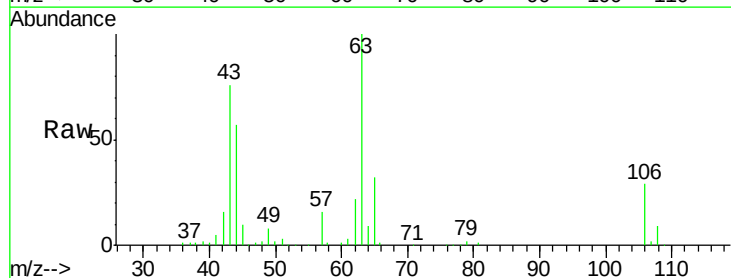
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

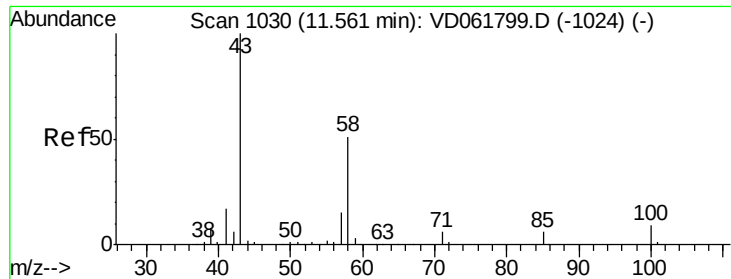
Tot Ion: 76 Resp: 315383
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 189.037 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.04 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion: 63 Resp: 402685
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0

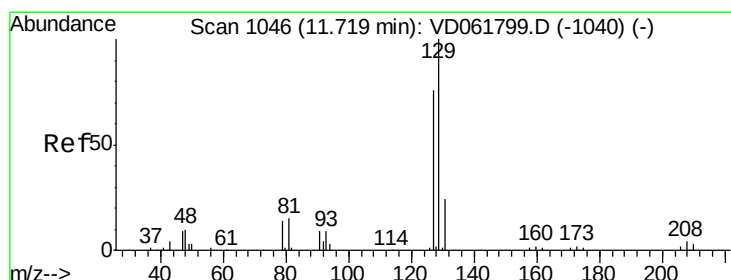
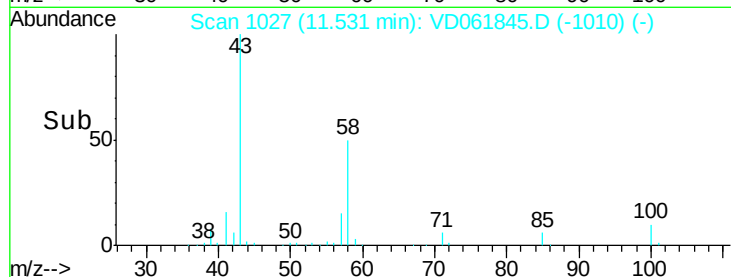
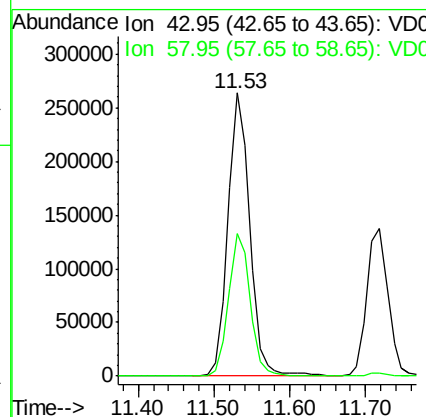
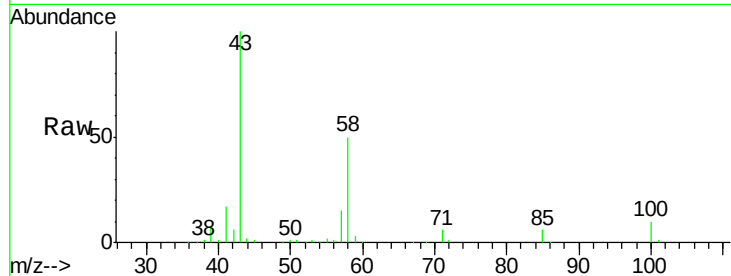




#59
2-Hexanone
Concen: 244.961 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

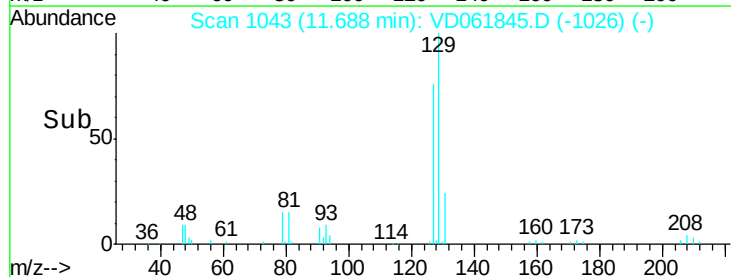
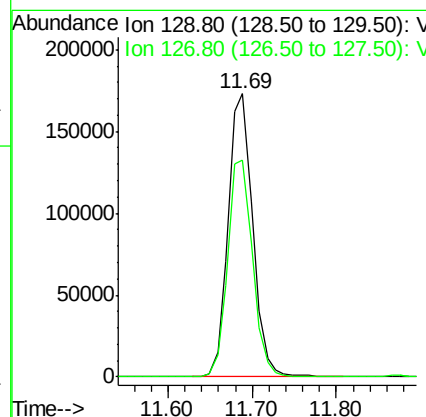
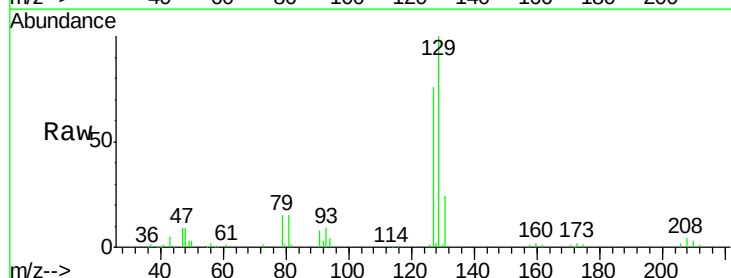
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

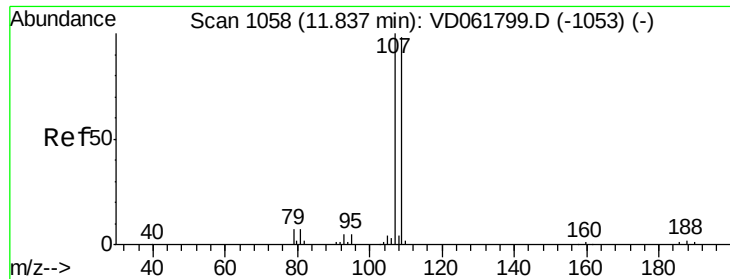
Tot Ion: 43 Resp: 527461
Ion Ratio Lower Upper
43 100
58 50.2 25.4 76.4



#60
Dibromochloromethane
Concen: 52.403 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 129 Resp: 349883
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

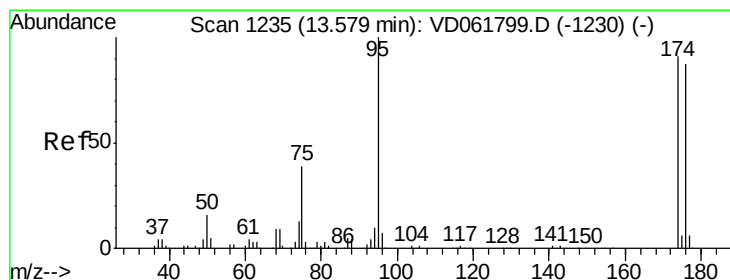
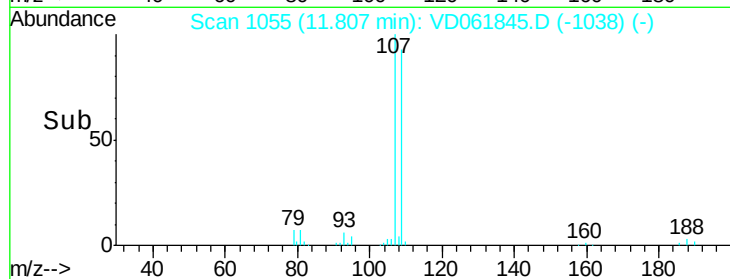
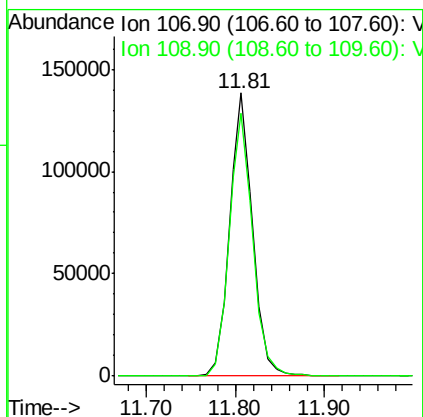
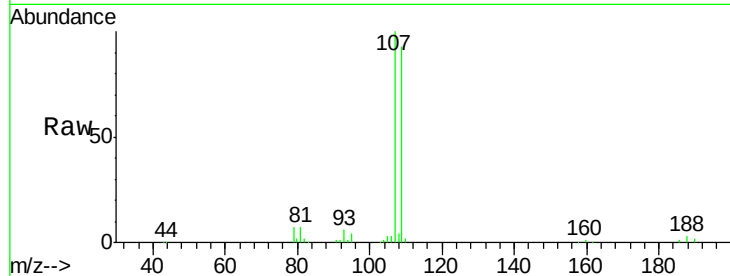




#61
 1,2-Dibromoethane
 Concen: 49.858 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

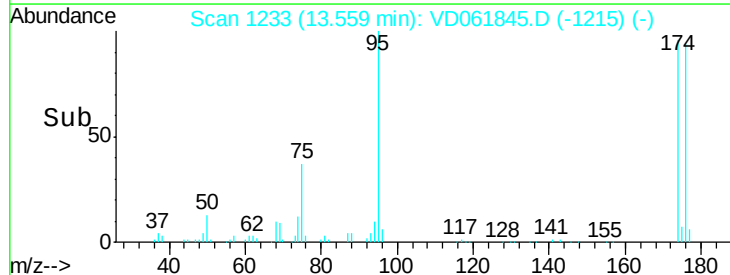
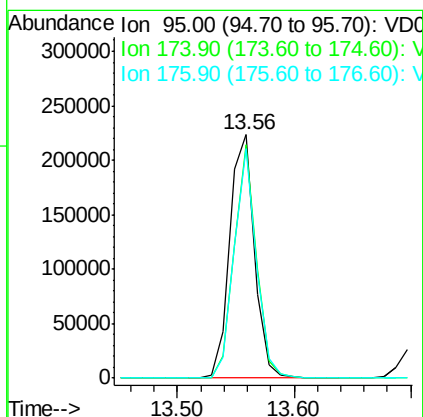
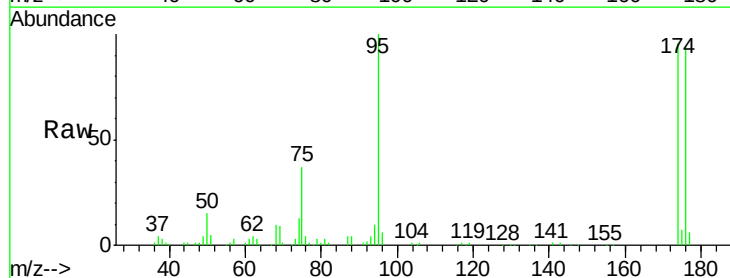
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

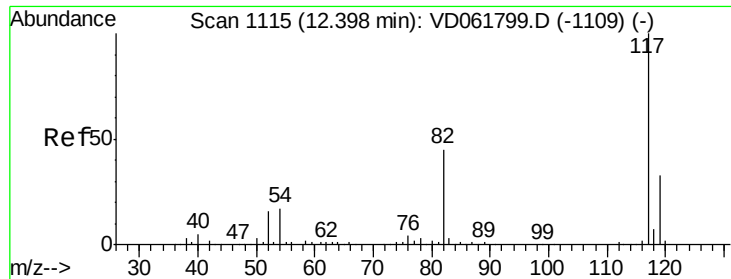
Tot Ion:107 Resp: 250159
 Ion Ratio Lower Upper
 107 100
 109 92.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.858 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion: 95 Resp: 327595
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 181.8
 176 94.1 0.0 174.4

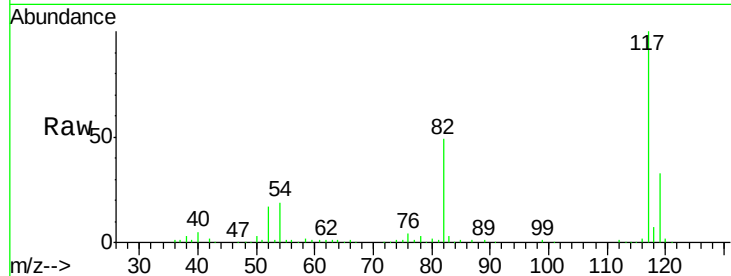




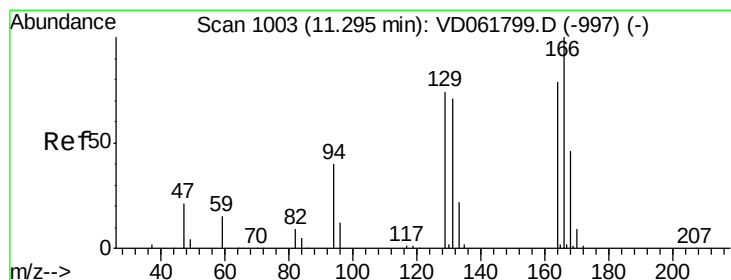
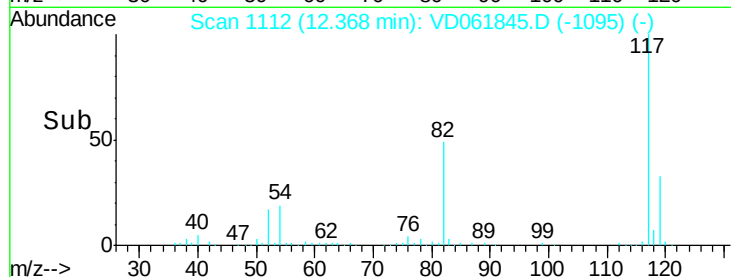
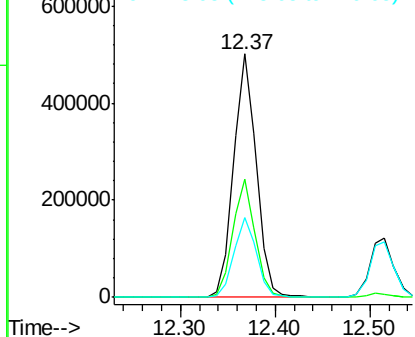
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 832334
Ion Ratio Lower Upper
117 100
82 48.8 36.2 54.2
119 32.5 26.2 39.4

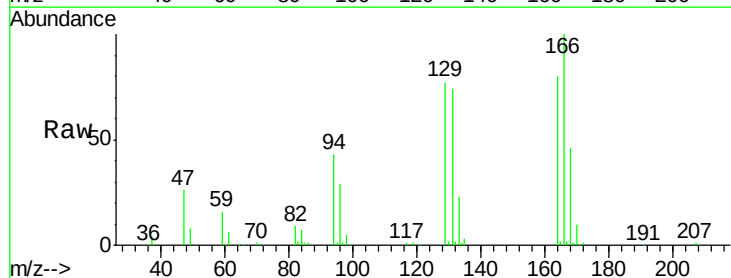


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

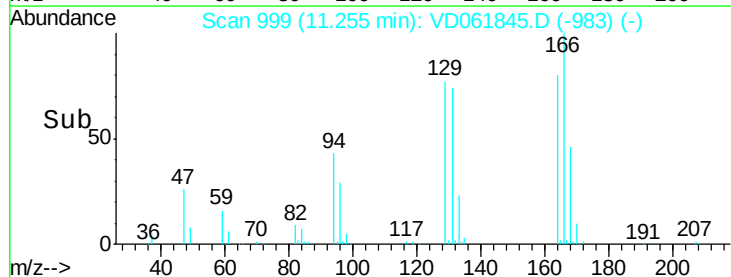
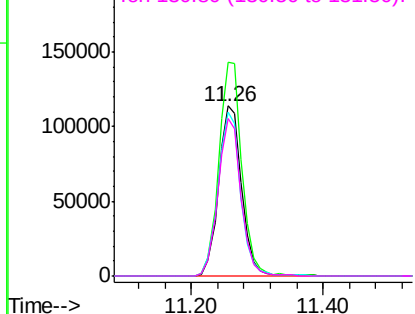


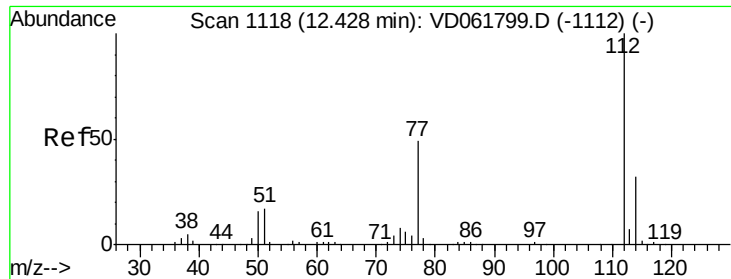
#64
Tetrachloroethene
Concen: 44.201 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.04 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion:164 Resp: 275910
Ion Ratio Lower Upper
164 100
166 125.6 101.5 152.3
129 96.7 74.6 112.0
131 92.4 72.6 108.8



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

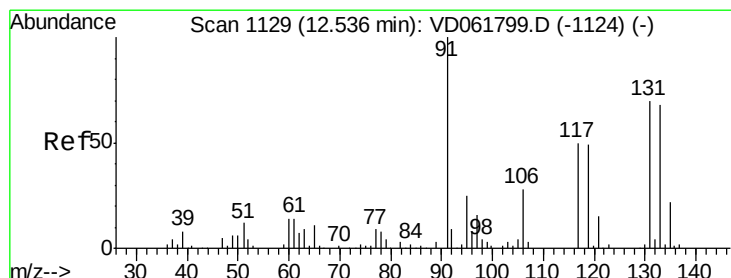
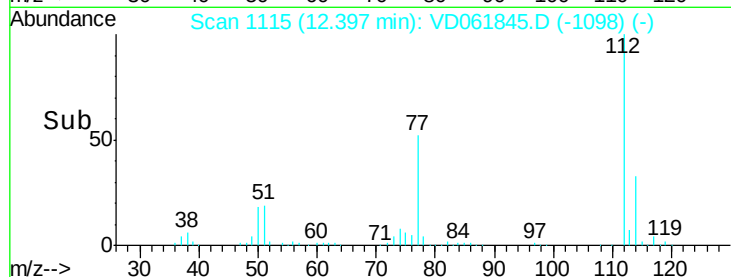
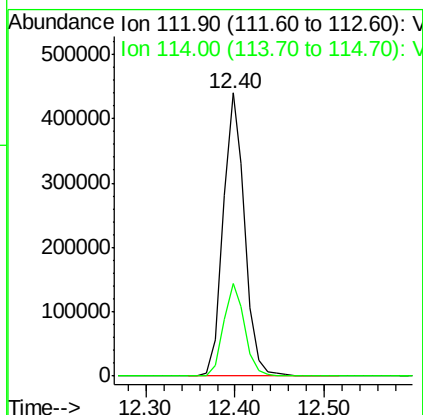
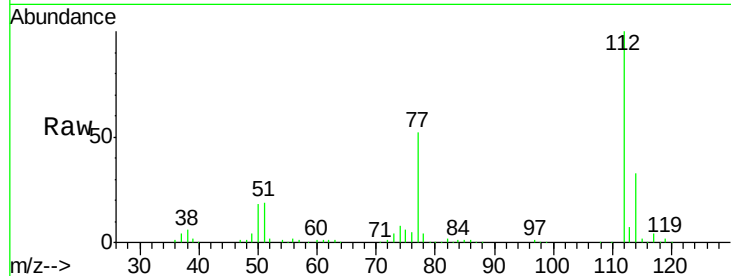




#65
Chlorobenzene
Concen: 48.064 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

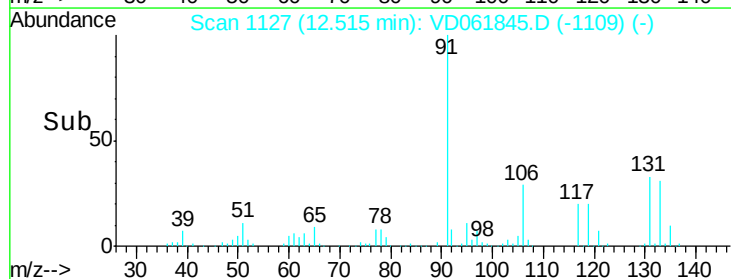
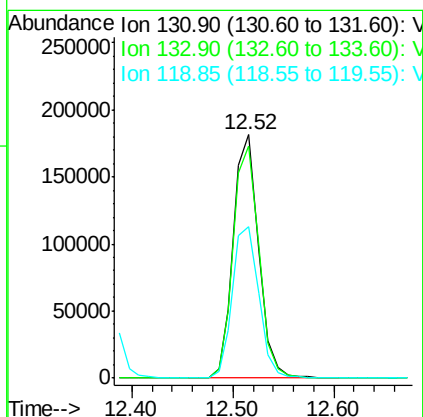
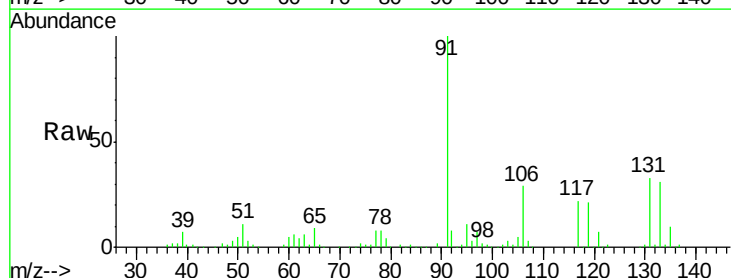
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

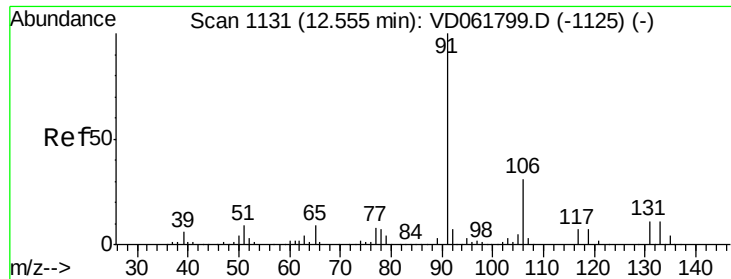
Tot Ion:112 Resp: 745041
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.528 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion:131 Resp: 315231
Ion Ratio Lower Upper
131 100
133 95.2 48.6 145.8
119 62.3 34.7 104.1

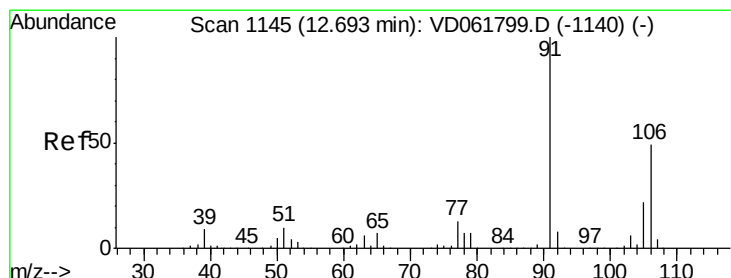
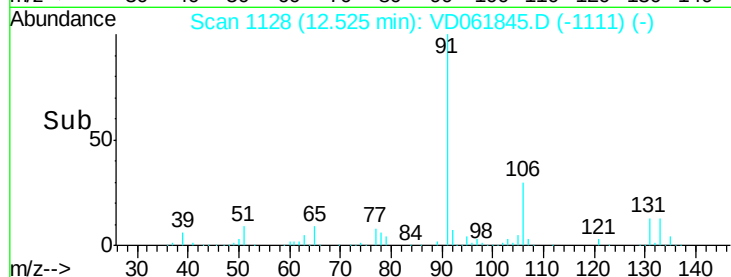
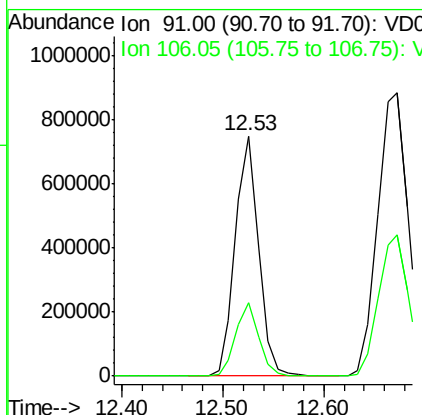
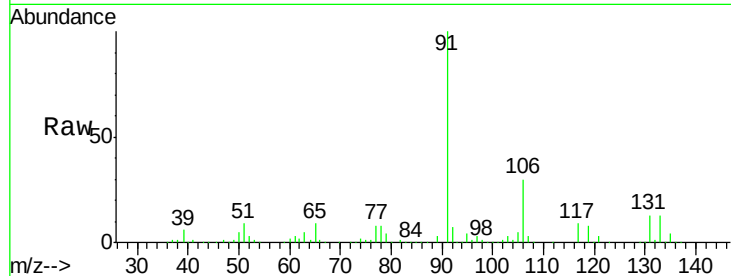




#67
Ethyl Benzene
Concen: 48.585 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

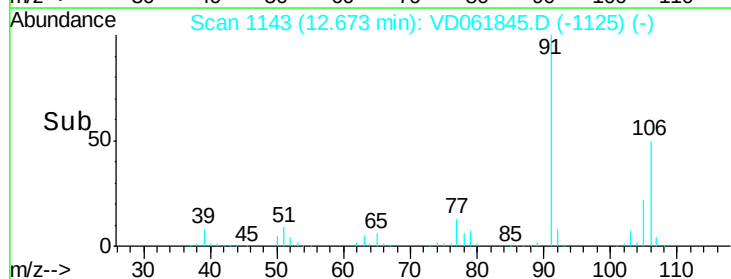
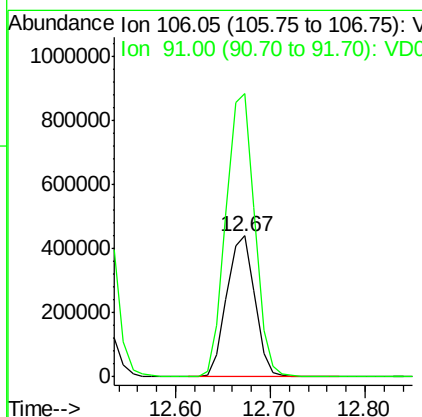
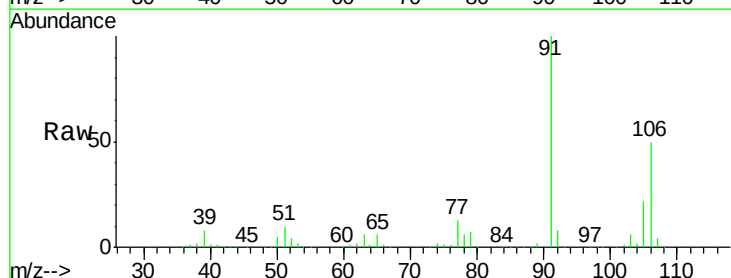
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

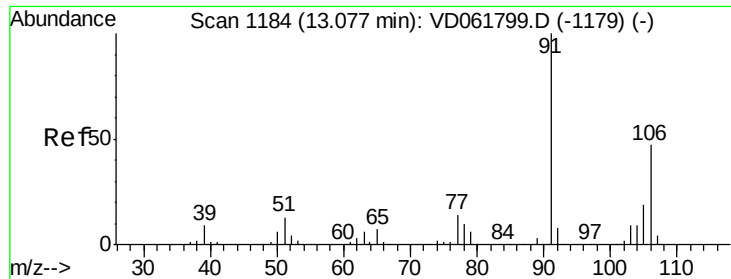
Tot Ion: 91 Resp: 1206060
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1



#68
m/p-Xylenes
Concen: 97.068 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 106 Resp: 905110
Ion Ratio Lower Upper
106 100
91 201.0 164.0 246.0

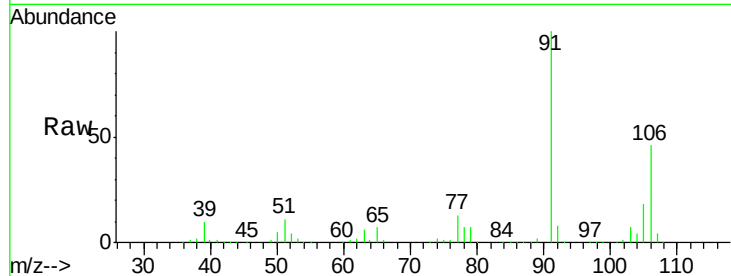




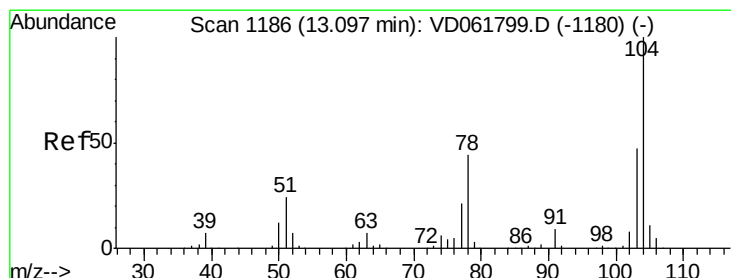
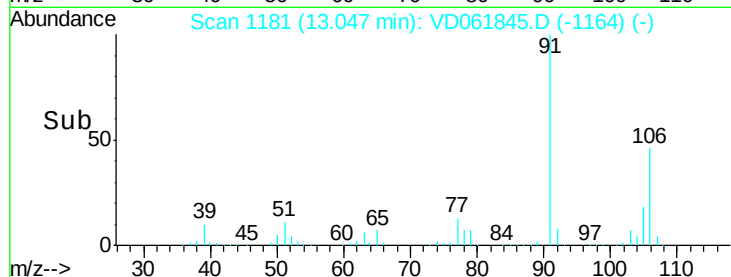
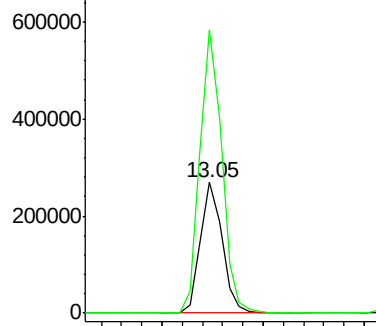
#69
o-Xylene
Concen: 46.125 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 404251
Ion Ratio Lower Upper
106 100
91 216.5 106.7 319.9

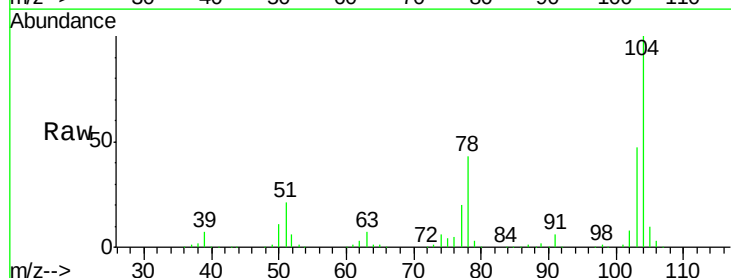


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

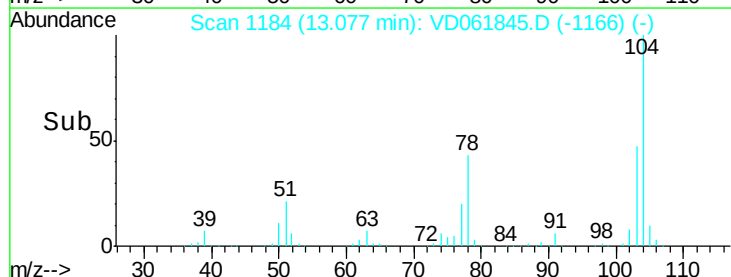
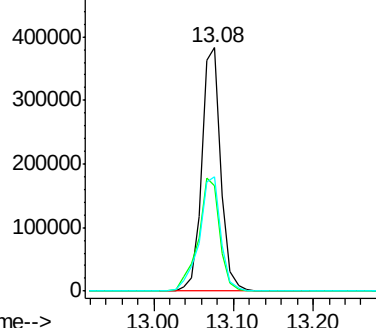


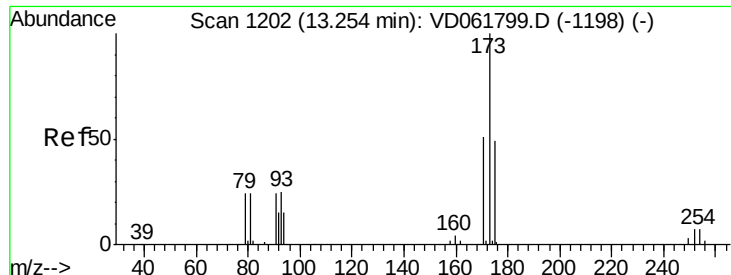
#70
Styrene
Concen: 42.605 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion:104 Resp: 642573
Ion Ratio Lower Upper
104 100
78 43.2 35.4 53.2
103 46.9 37.5 56.3



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

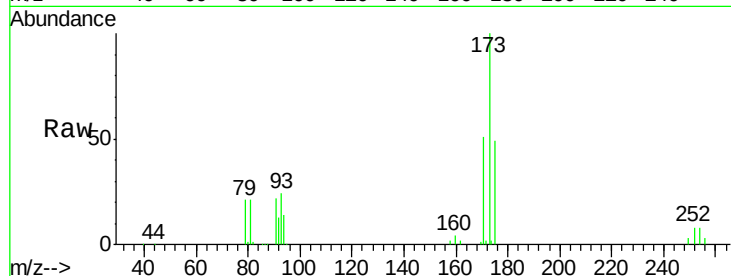




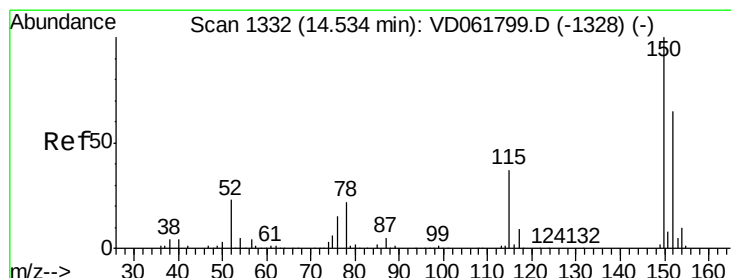
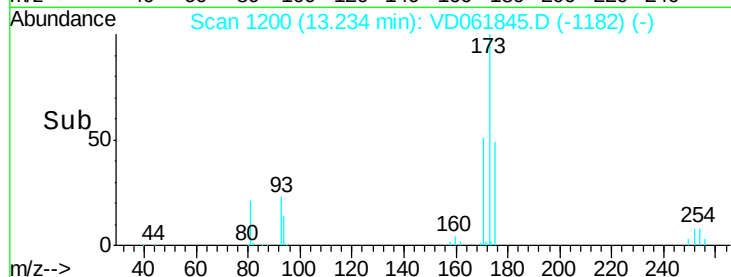
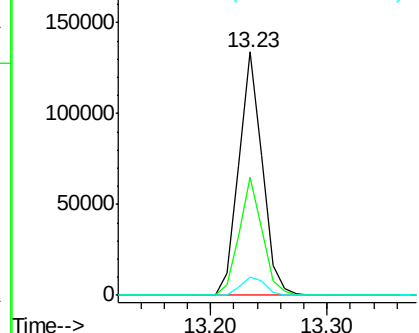
#71
Bromoform
Concen: 48.527 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 187113
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.4
254 7.6 5.4 8.2

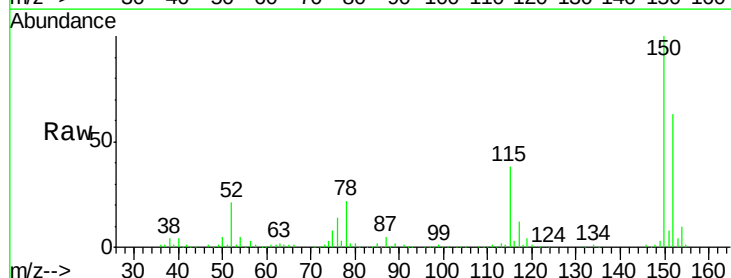


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

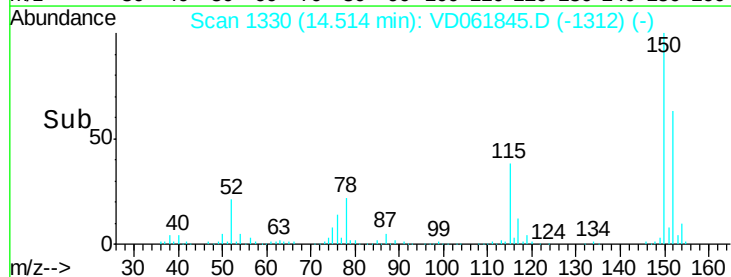
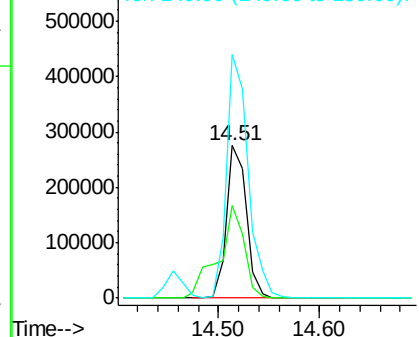


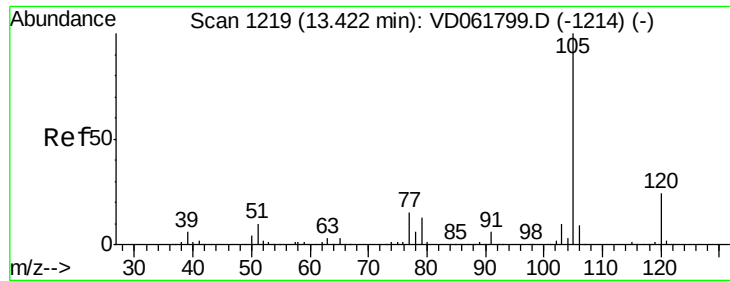
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.02 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion:152 Resp: 378236
Ion Ratio Lower Upper
152 100
115 61.0 30.9 92.7
150 159.9 0.0 314.8



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: 47.947 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

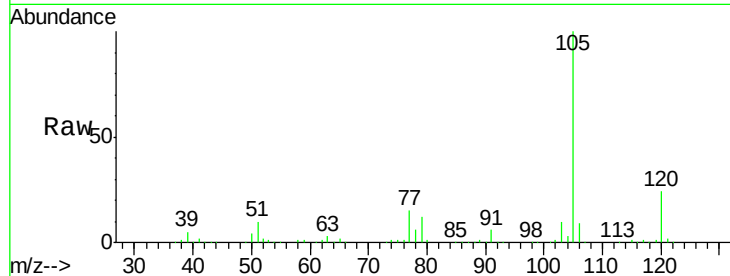
VSTDCCC050

Tot Ion:105 Resp: 1176137

Ion Ratio Lower Upper

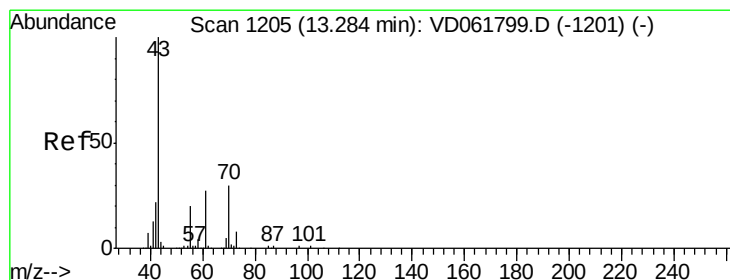
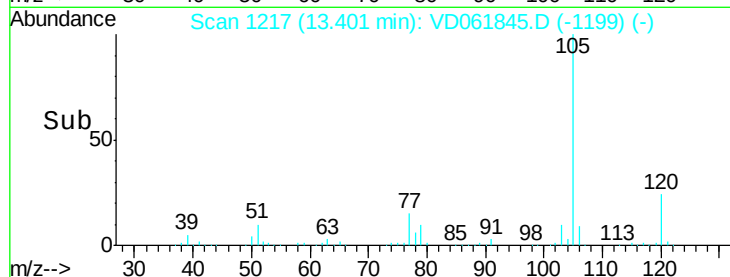
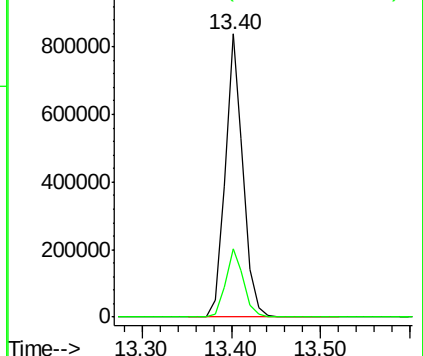
105 100

120 24.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 42.568 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Tgt Ion: 43 Resp: 280790

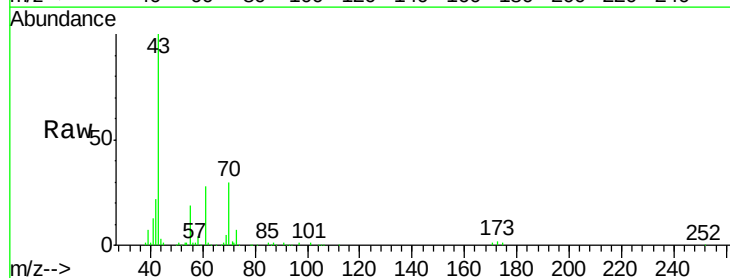
Ion Ratio Lower Upper

43 100

70 29.7 24.2 36.4

55 19.1 16.0 24.0

61 27.5 21.6 32.4

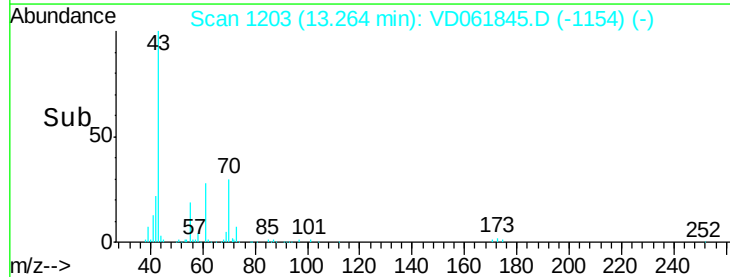
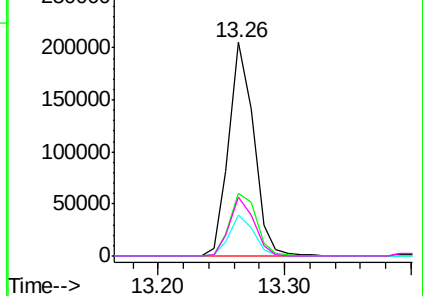


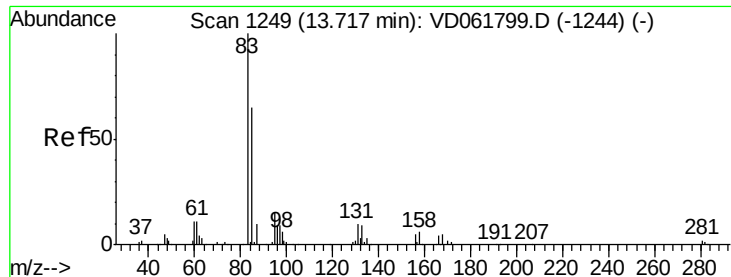
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.374 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

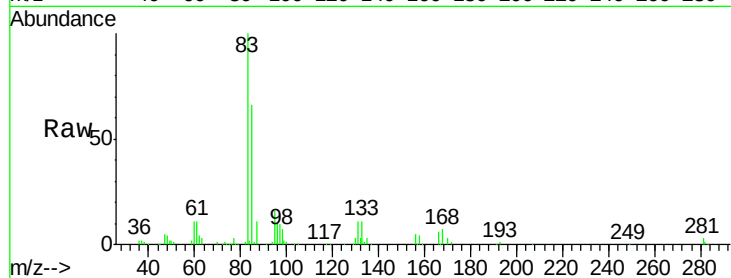
Tot Ion: 83 Resp: 234553

Ion Ratio Lower Upper

83 100

131 10.6 5.0 14.9

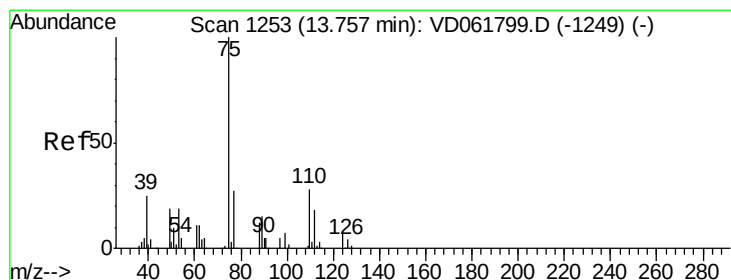
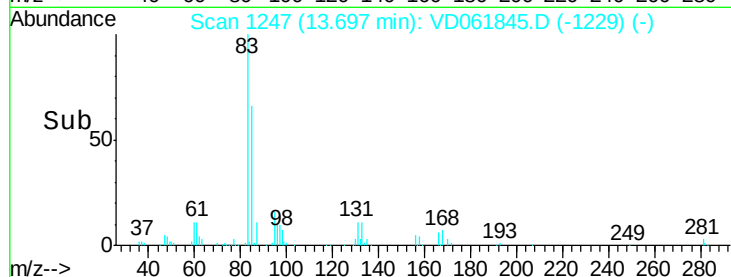
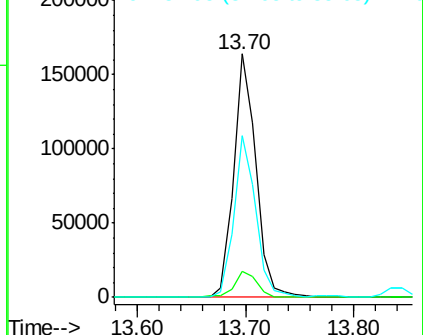
85 66.2 32.6 97.7



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: 46.551 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061845.D

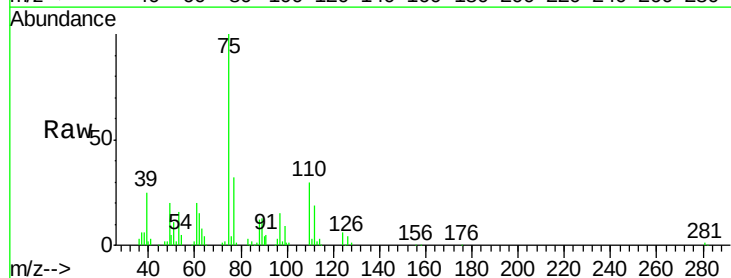
Acq: 17 Apr 2019 11:16

Tgt Ion: 75 Resp: 231230

Ion Ratio Lower Upper

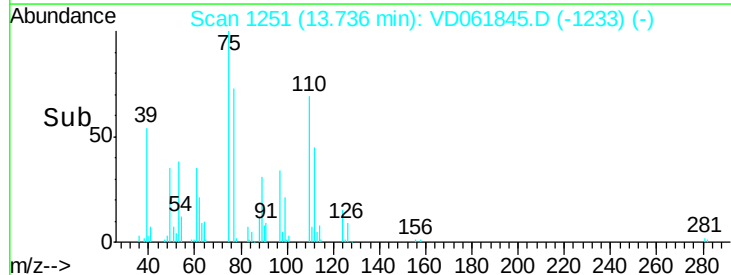
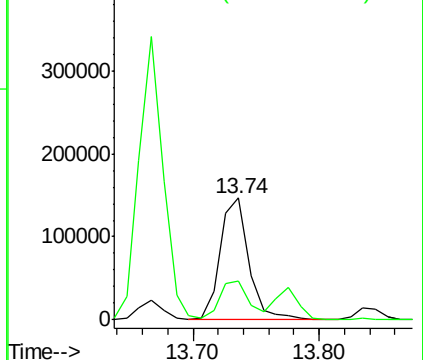
75 100

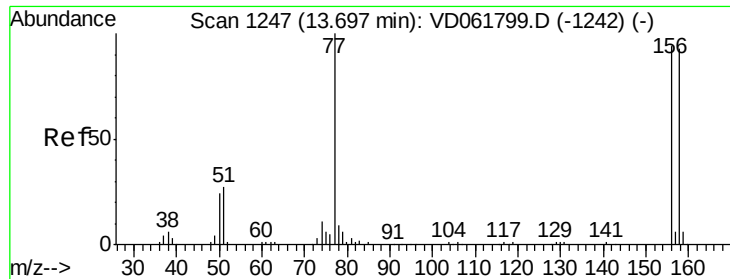
77 32.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.102 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

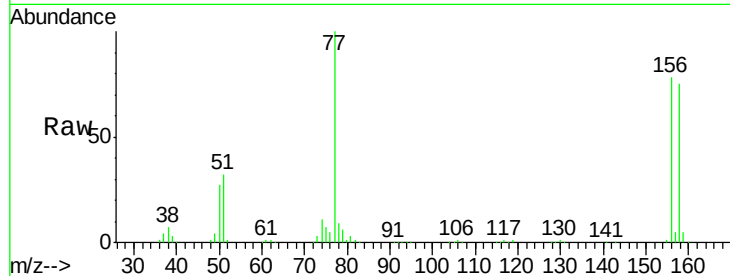
Tot Ion:156 Resp: 363050

Ion Ratio Lower Upper

156 100

77 128.5 53.1 159.4

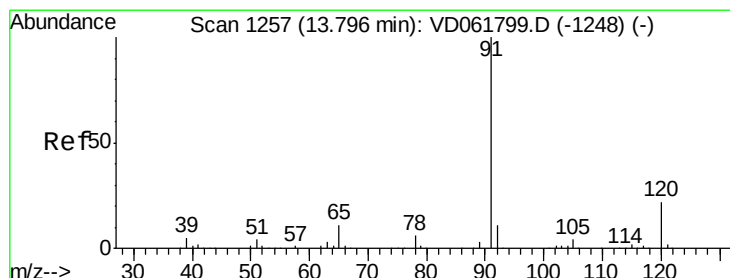
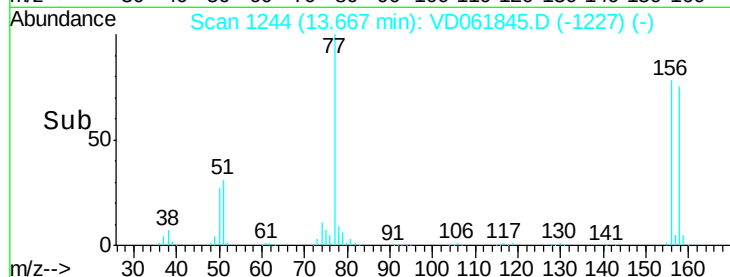
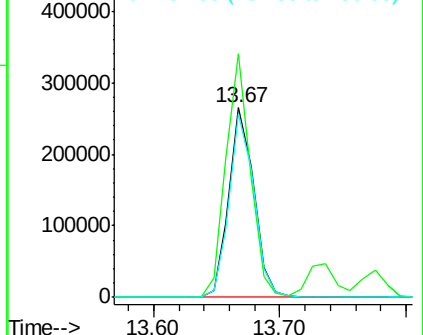
158 96.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.336 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061845.D

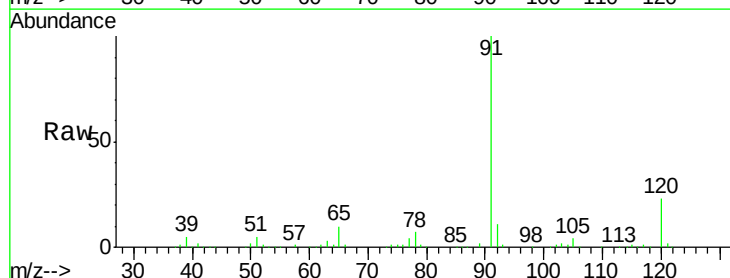
Acq: 17 Apr 2019 11:16

Tgt Ion: 91 Resp: 1398226

Ion Ratio Lower Upper

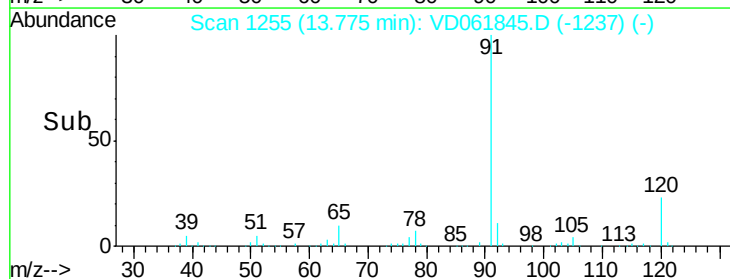
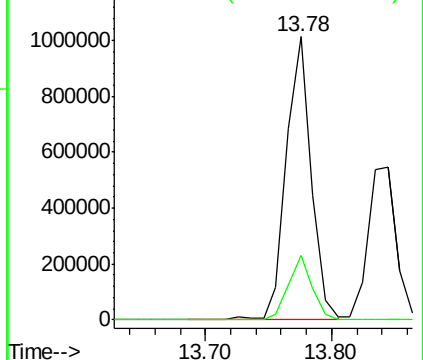
91 100

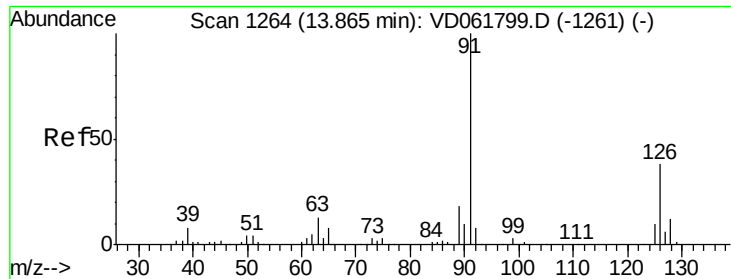
120 22.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.991 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

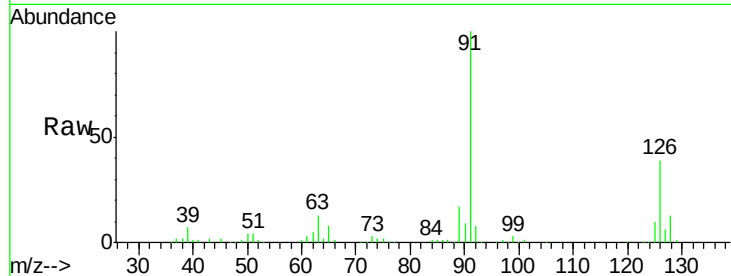
VSTDCCC050

Tot Ion: 91 Resp: 844204

Ion Ratio Lower Upper

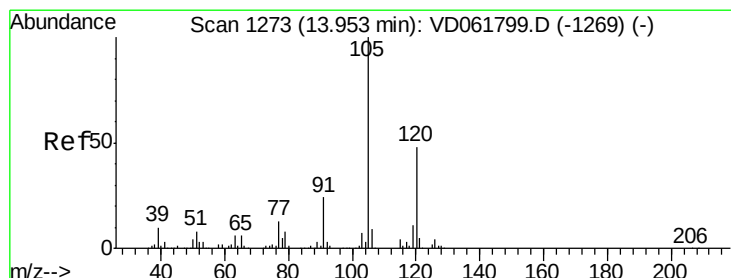
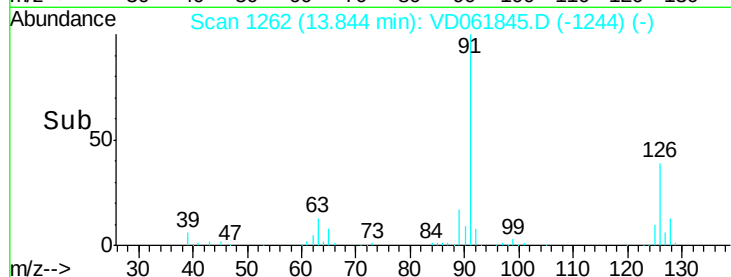
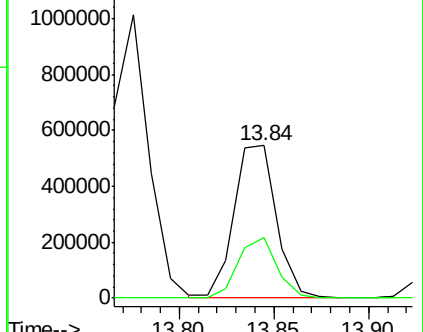
91 100

126 39.3 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 54.676 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VD061845.D

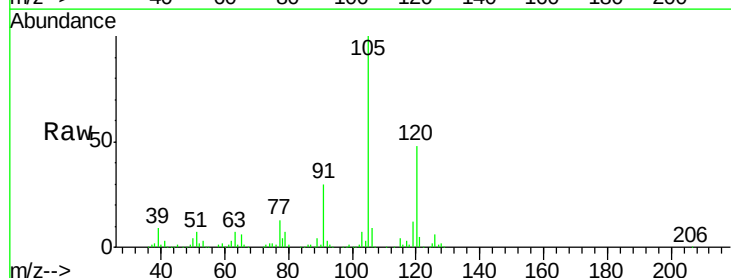
Acq: 17 Apr 2019 11:16

Tgt Ion:105 Resp: 1064183

Ion Ratio Lower Upper

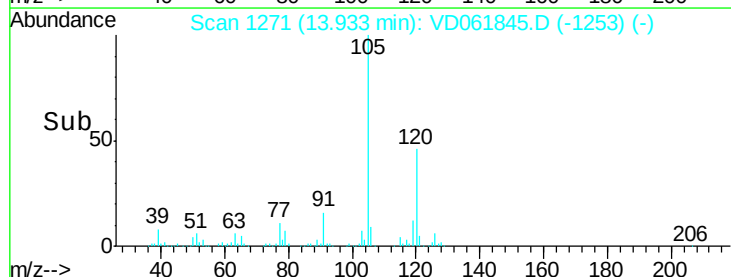
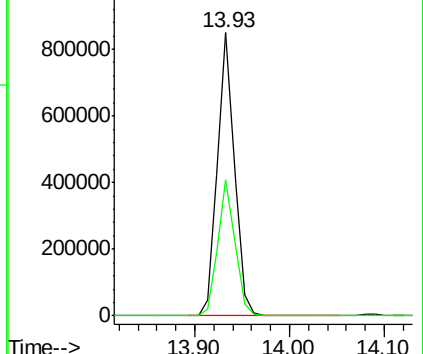
105 100

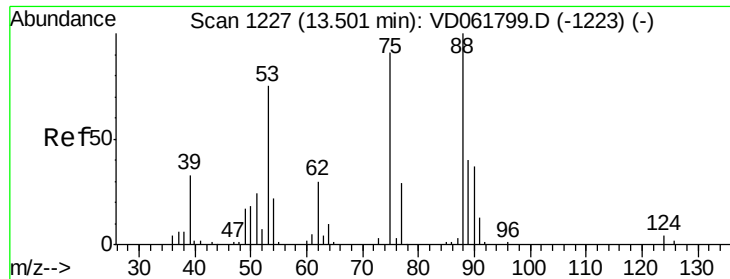
120 48.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

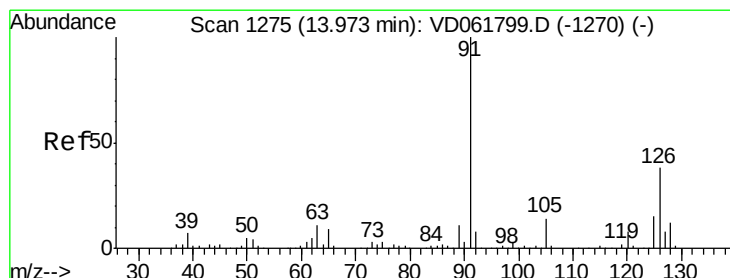
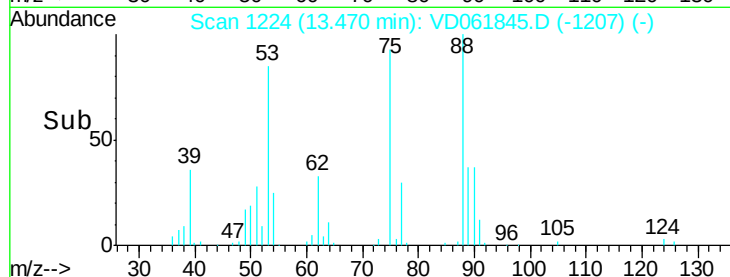
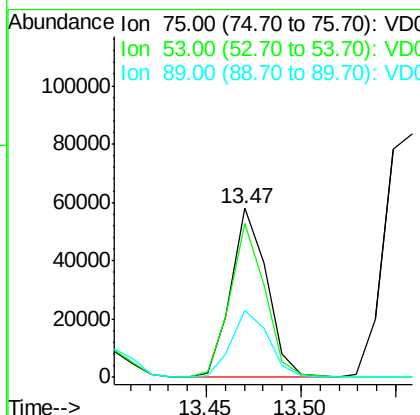
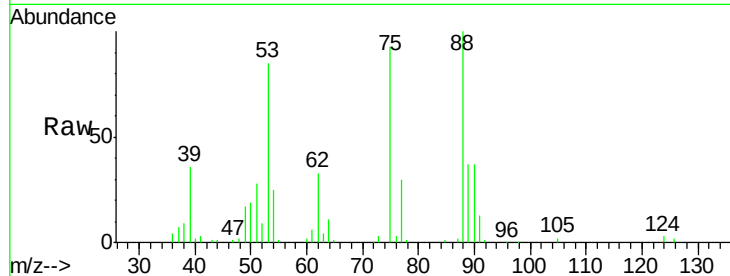




#81
trans-1,4-Dichloro-2-butene
Concen: 47.407 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

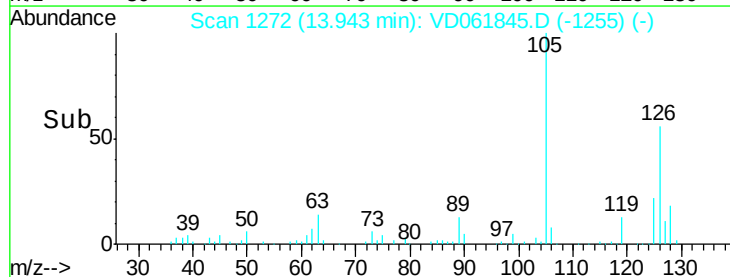
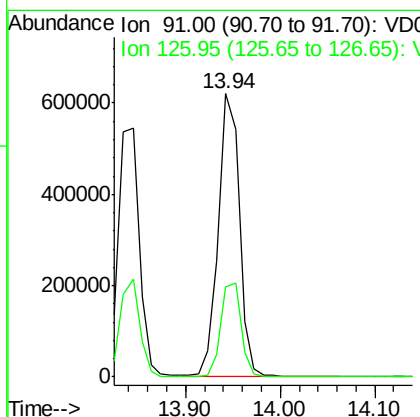
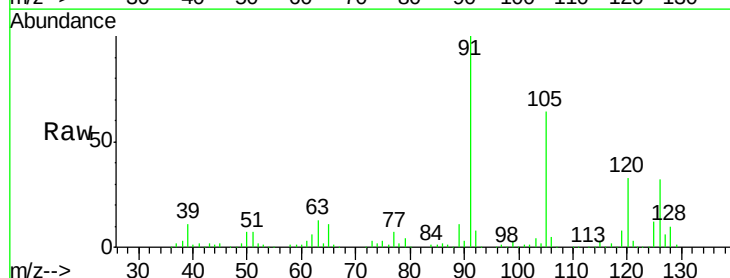
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

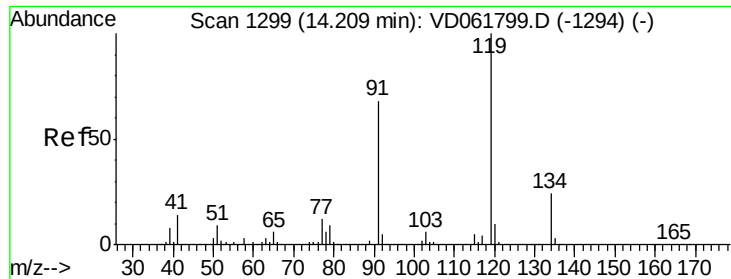
Tot Ion: 75 Resp: 76028
Ion Ratio Lower Upper
75 100
53 91.2 65.8 98.8
89 39.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 50.634 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.03 min
Lab File: VD061845.D
Acq: 17 Apr 2019 11:16

Tgt Ion: 91 Resp: 959530
Ion Ratio Lower Upper
91 100
126 31.9 19.1 57.5

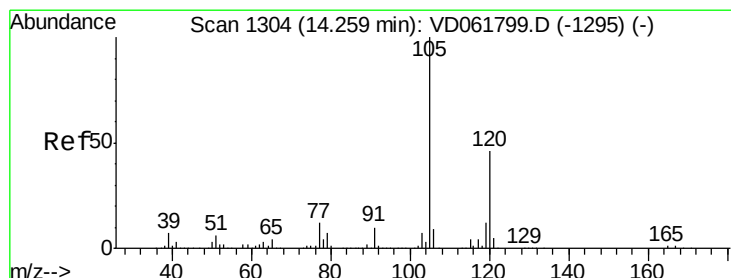
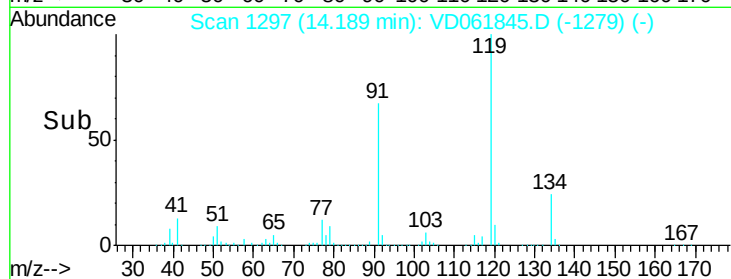
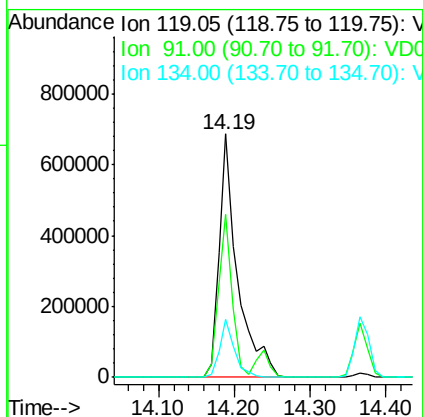
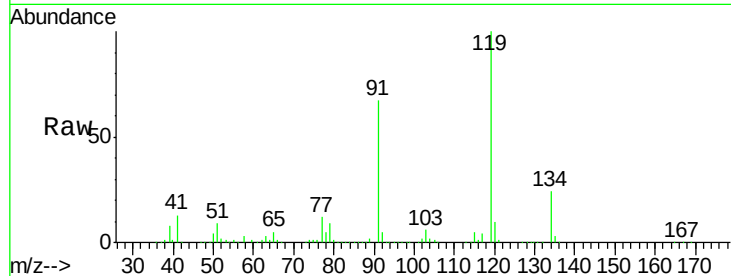




#83
 tert-Butylbenzene
 Concen: 51.583 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

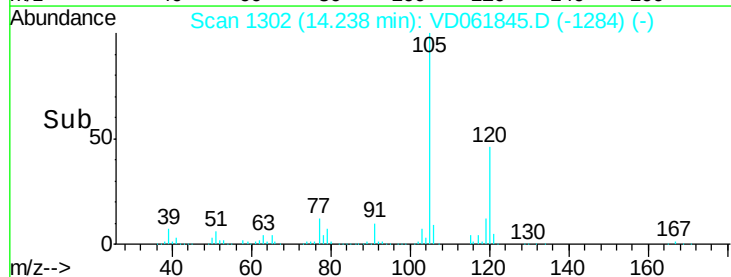
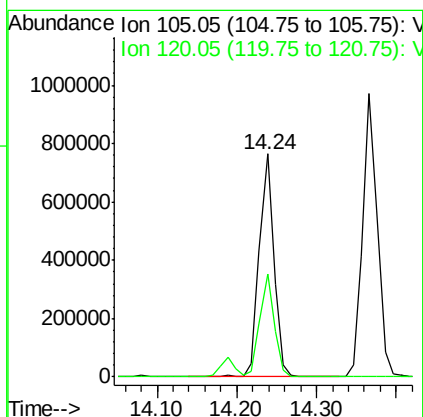
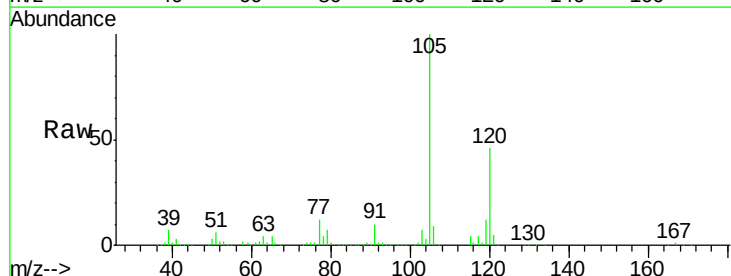
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

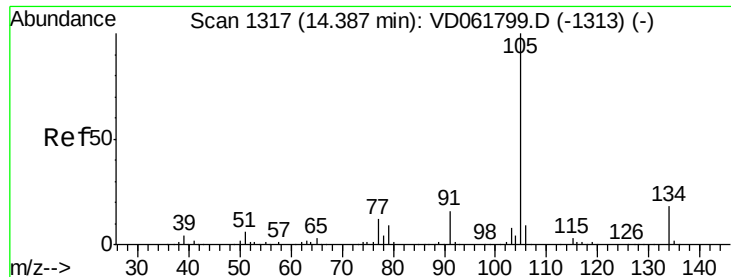
Tot Ion:119 Resp: 1178855
 Ion Ratio Lower Upper
 119 100
 91 67.1 34.2 102.6
 134 23.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.067 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion:105 Resp: 959987
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2

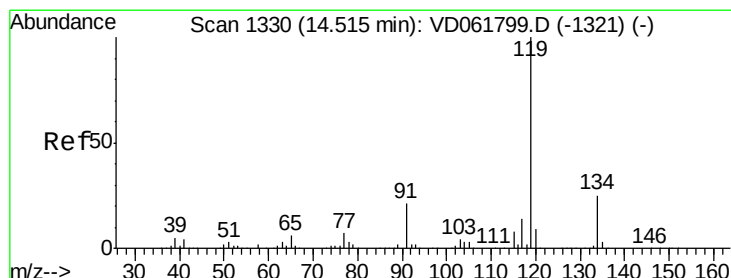
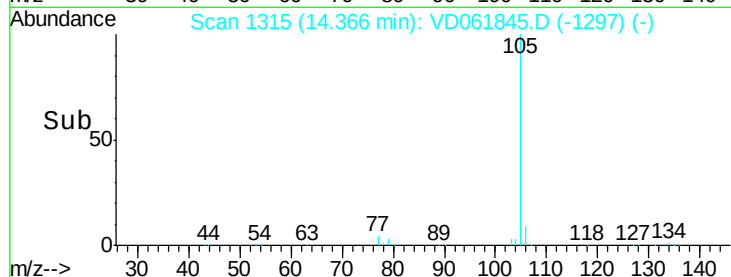
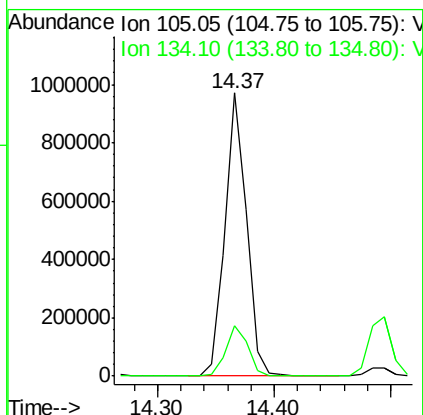
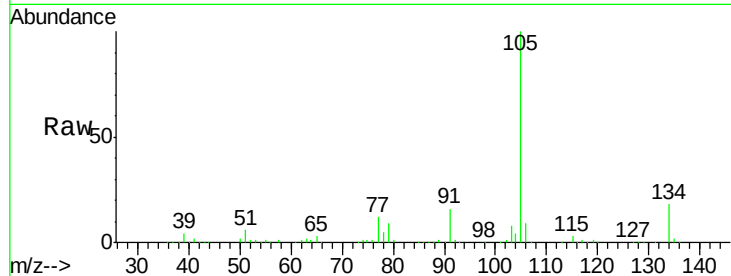




#85
 sec-Butylbenzene
 Concen: 52.582 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

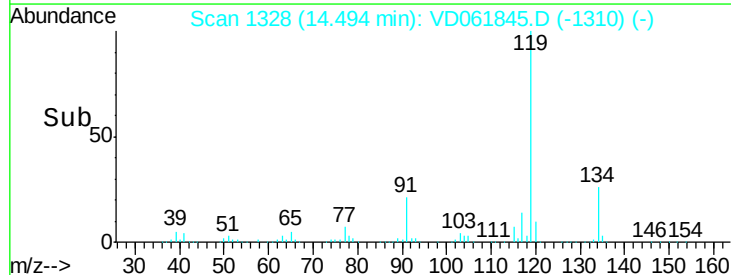
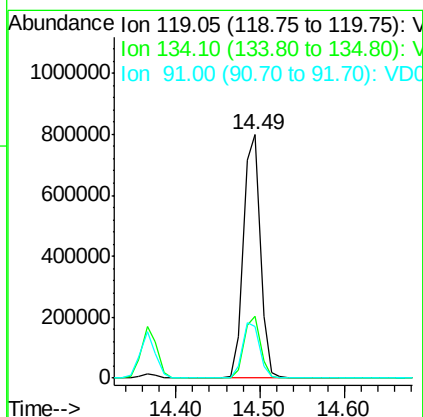
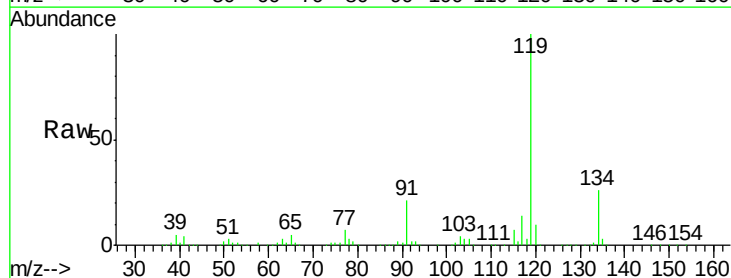
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

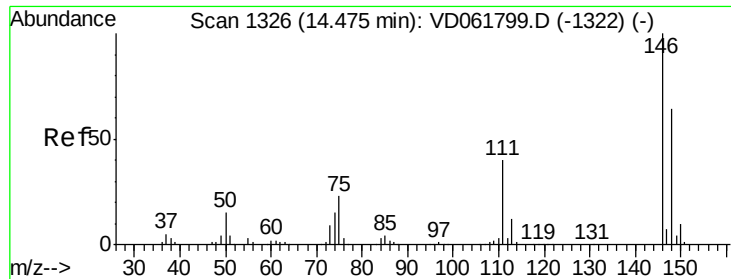
Tot Ion:105 Resp: 1242281
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 50.687 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion:119 Resp: 1120431
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.8 38.3
 91 21.0 10.7 32.1

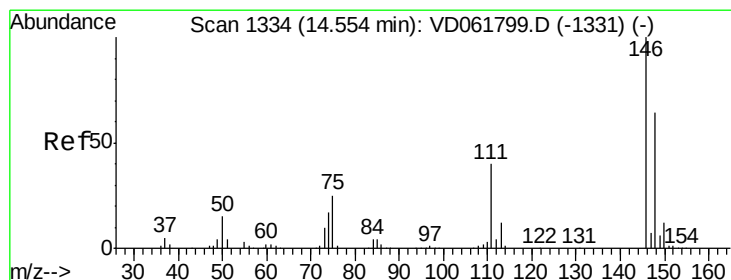
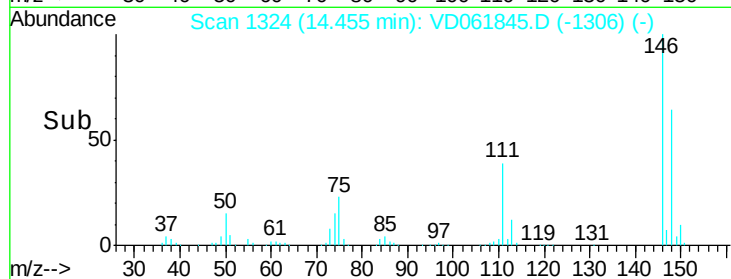
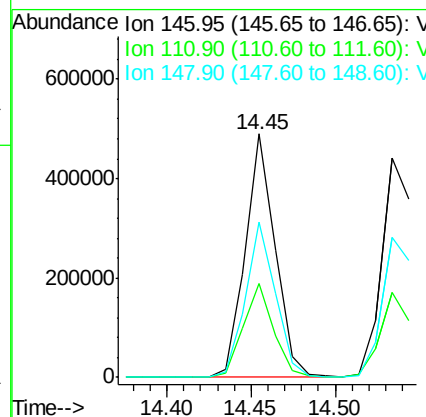
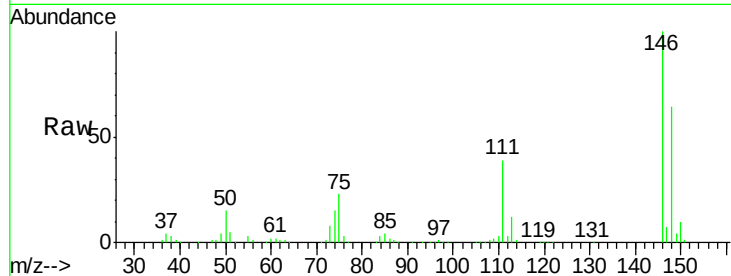




#87
 1,3-Dichlorobenzene
 Concen: 49.784 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

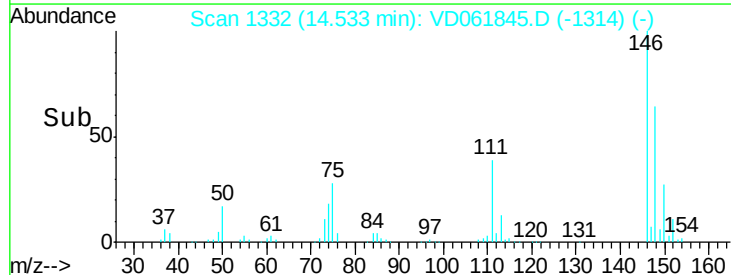
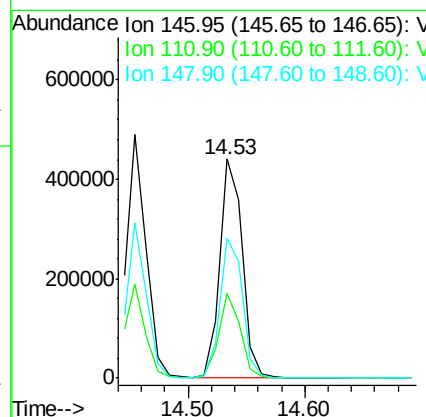
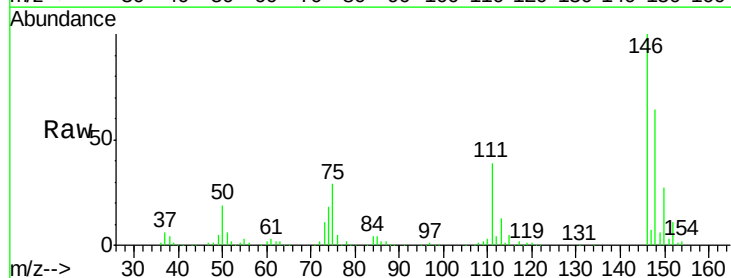
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

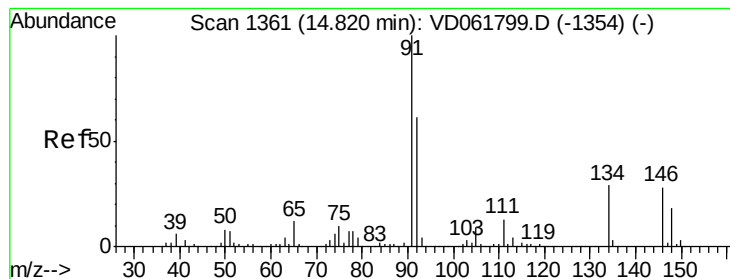
Tot Ion:146 Resp: 605593
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.0 60.0
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.811 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion:146 Resp: 586932
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.2 60.5
 148 63.9 32.0 96.2





#89

n-Butylbenzene

Concen: 50.990 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

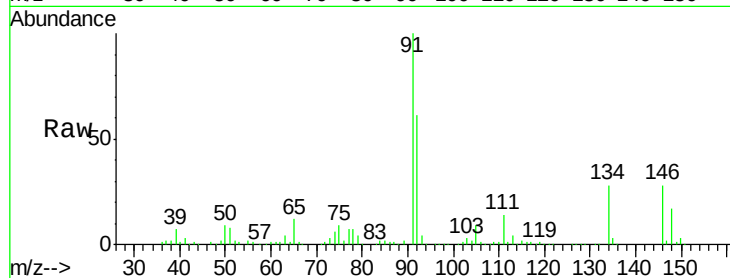
Tot Ion: 91 Resp: 997727

Ion Ratio Lower Upper

91 100

92 60.5 30.3 91.0

134 28.2 14.5 43.6

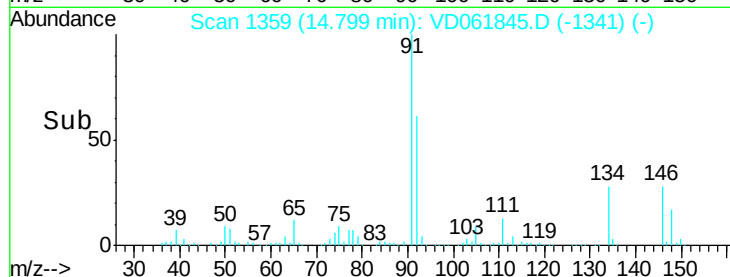


Abundance Ion 91.00 (90.70 to 91.70): VDC

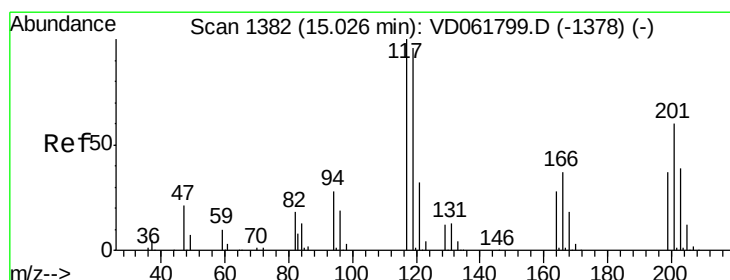
Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC

Time-->



Time-->



#90

Hexachloroethane

Concen: 50.829 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061845.D

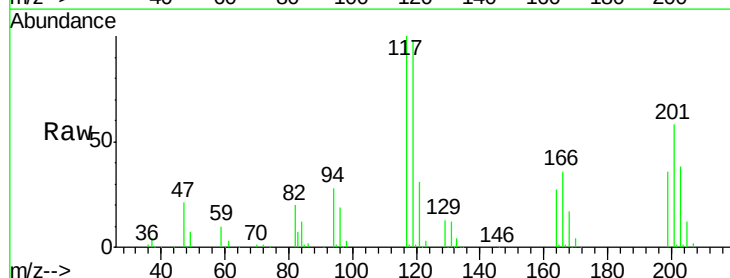
Acq: 17 Apr 2019 11:16

Tgt Ion: 117 Resp: 306246

Ion Ratio Lower Upper

117 100

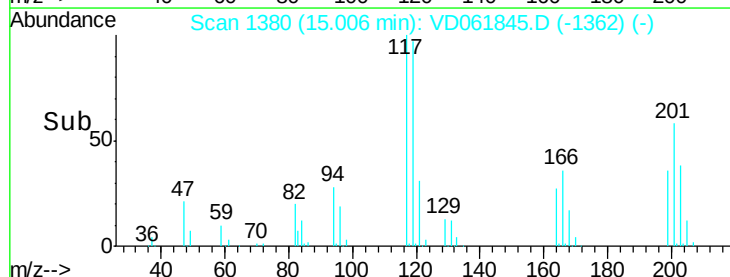
201 58.2 30.2 90.6



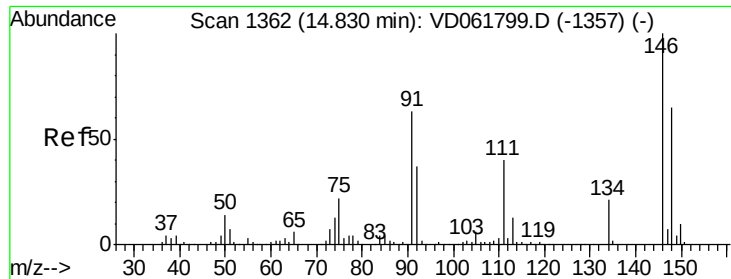
Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

Time-->



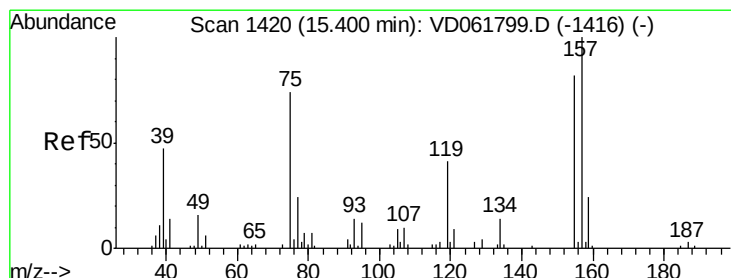
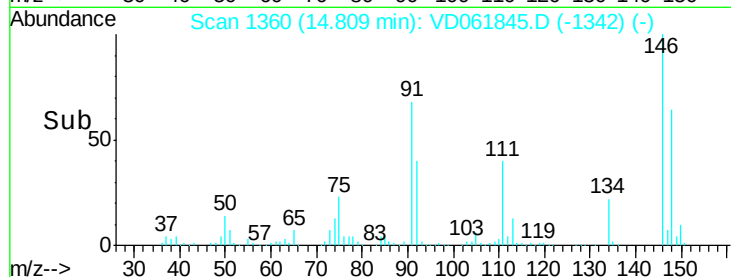
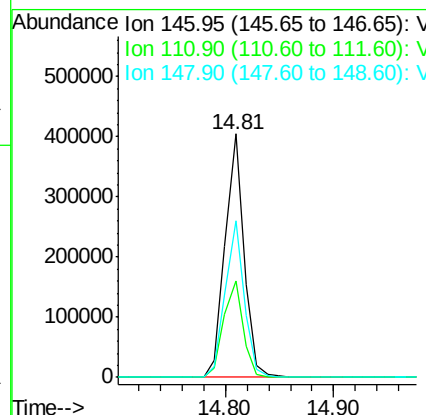
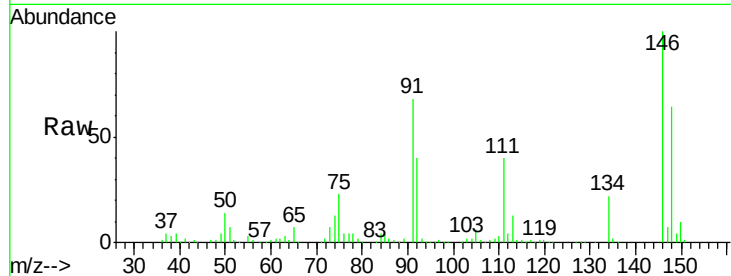
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 48.612 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

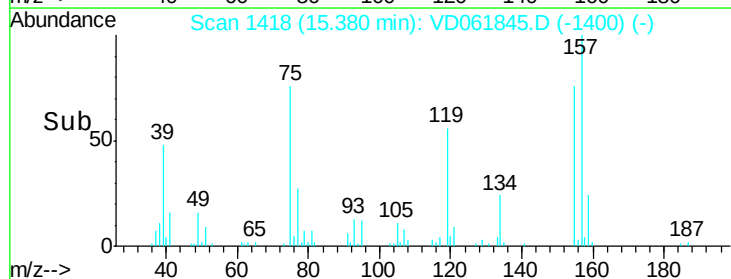
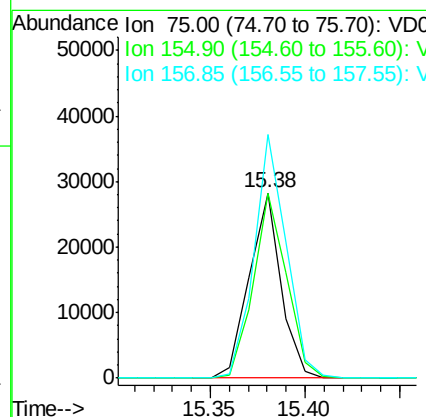
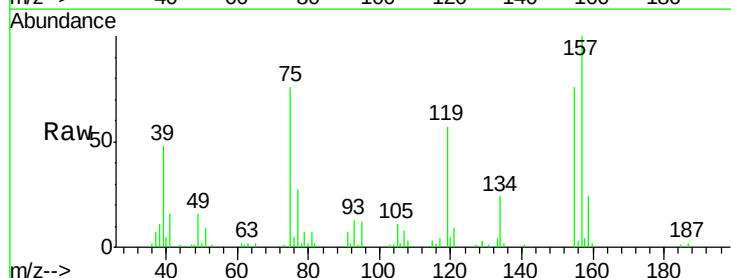
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

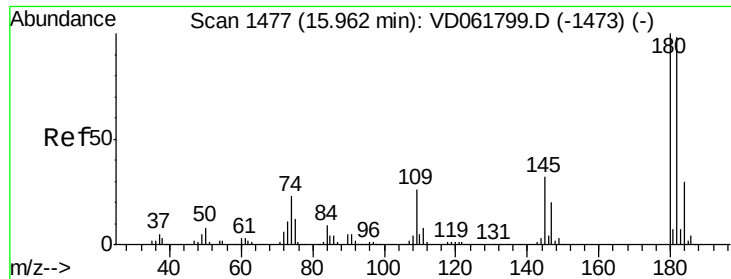
Tot Ion:146 Resp: 495331
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 59.9
 148 64.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.398 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion: 75 Resp: 32656
 Ion Ratio Lower Upper
 75 100
 155 100.1 55.3 165.8
 157 131.7 67.8 203.2

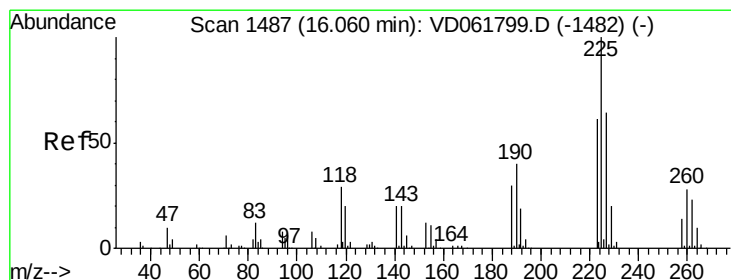
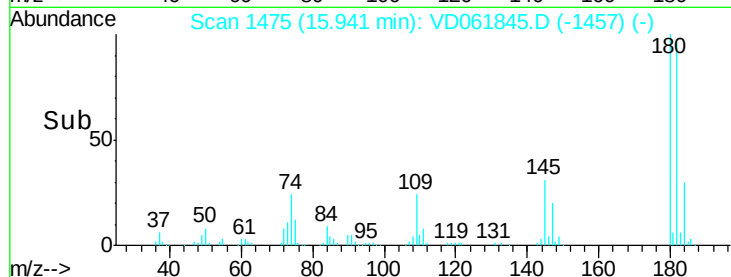
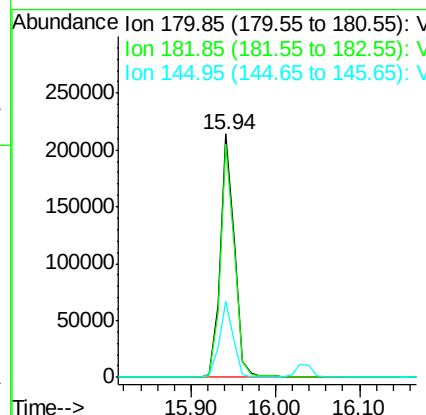
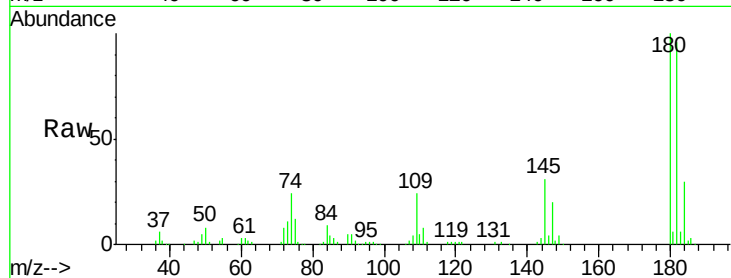




#93
 1,2,4-Trichlorobenzene
 Concen: 44.265 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

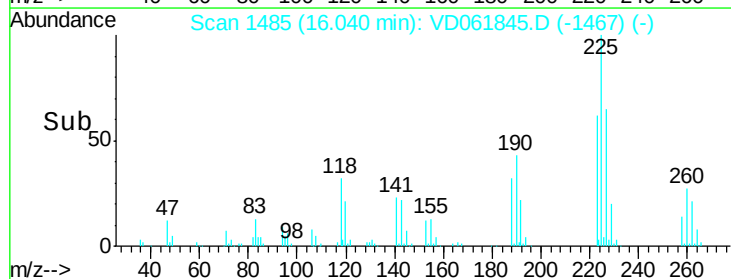
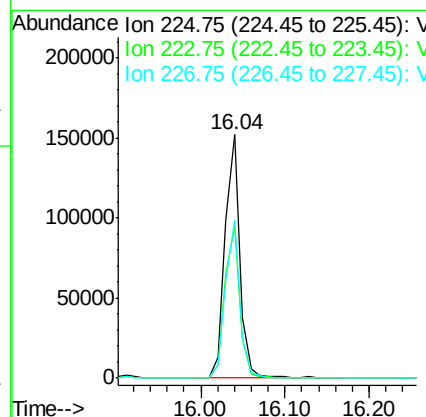
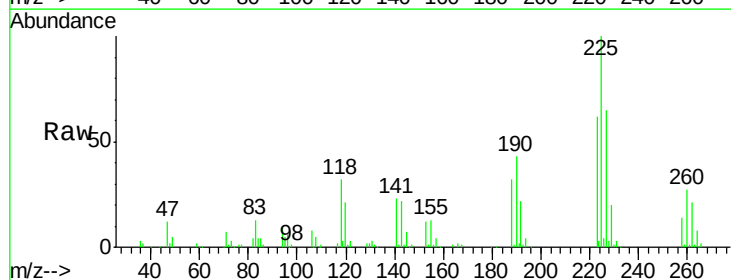
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

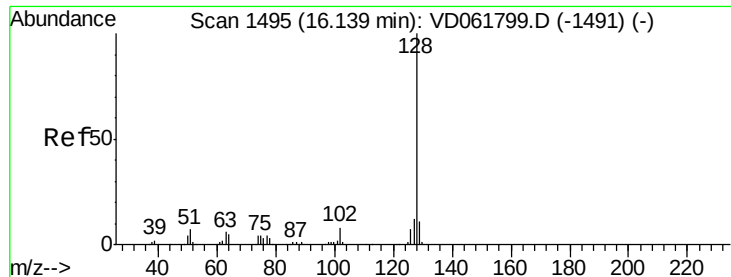
Tot Ion:180 Resp: 247726
 Ion Ratio Lower Upper
 180 100
 182 95.9 49.3 147.8
 145 31.3 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 45.925 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061845.D
 Acq: 17 Apr 2019 11:16

Tgt Ion:225 Resp: 186258
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.6 92.0
 227 65.1 32.0 96.2





#95

Naphthalene

Concen: 46.515 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

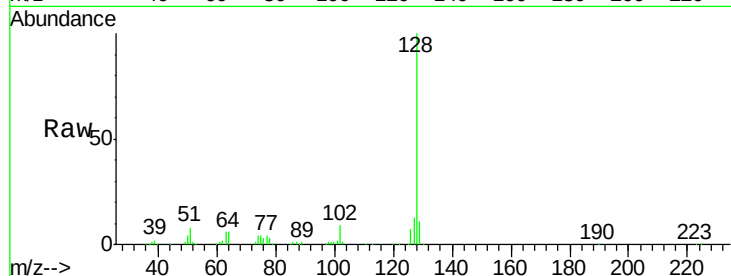
Tot Ion:128 Resp: 398999

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

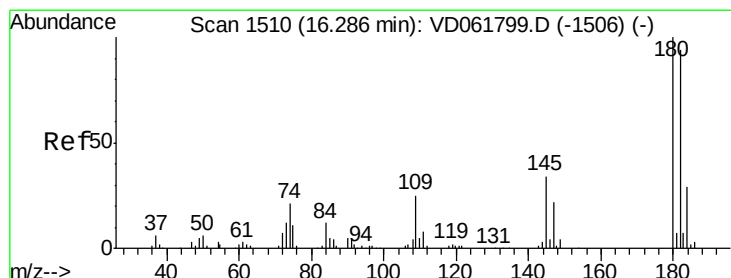
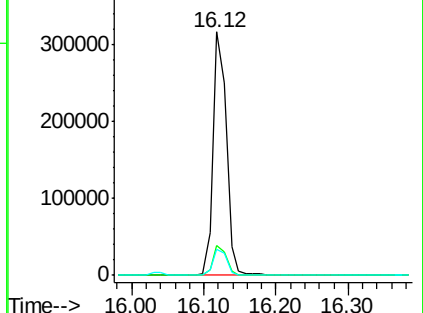
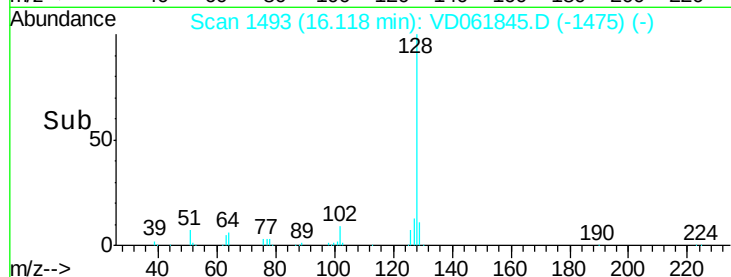
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 40.639 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.02 min

Lab File: VD061845.D

Acq: 17 Apr 2019 11:16

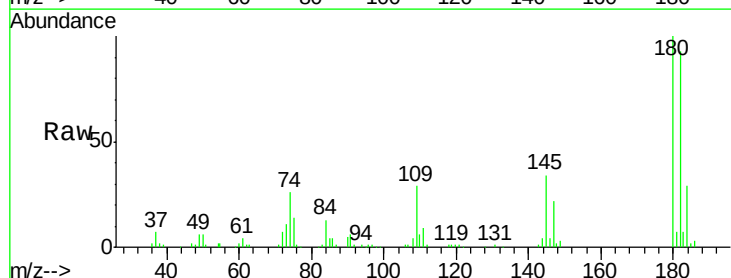
Tgt Ion:180 Resp: 129606

Ion Ratio Lower Upper

180 100

182 93.0 47.0 141.0

145 34.0 17.0 51.0



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

