

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061929.D
 Acq On : 20 Apr 2019 4:00
 Operator : VA/AP
 Sample : VD9419SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 04:24:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	480178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	788089	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	687370	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	310218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	247629	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	6.94	113	337200	56.63	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.26%	
50) Toluene-d8	10.42	98	787887	55.85	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.70%	
62) 4-Bromofluorobenzene	13.56	95	316264	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	84964	18.129	ug/l	99
3) Chloromethane	1.75	50	79489	21.282	ug/l	94
4) Vinyl Chloride	1.85	62	68179	18.393	ug/l	98
5) Bromomethane	2.14	94	17325	18.569	ug/l	91
6) Chloroethane	2.26	64	21010	16.614	ug/l	95
7) Trichlorofluoromethane	2.53	101	109387	18.195	ug/l	95
8) Diethyl Ether	2.88	74	27547	17.484	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	95128	17.746	ug/l	97
10) Methyl Iodide	3.31	142	127720	17.390	ug/l	99
11) Tert butyl alcohol	4.07	59	27991	117.944	ug/l	97
12) 1,1-Dichloroethene	3.13	96	79770	17.701	ug/l	95
13) Acrolein	3.04	56	16212	70.563	ug/l	93
14) Allyl chloride	3.62	41	112947	18.387	ug/l	97
15) Acrylonitrile	4.20	53	79634	106.883	ug/l	100
16) Acetone	3.22	43	90345	91.087	ug/l	100
17) Carbon Disulfide	3.38	76	225352	15.476	ug/l	97
18) Methyl Acetate	3.64	43	45585	22.930	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	178260	21.196	ug/l	98
20) Methylene Chloride	3.83	84	115041	20.641	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	87947	17.758	ug/l	99
22) Diisopropyl ether	5.12	45	302323	23.024	ug/l	96
23) Vinyl Acetate	5.07	43	824904	117.522	ug/l	100
24) 1,1-Dichloroethane	5.00	63	172700	21.693	ug/l	99
25) 2-Butanone	6.07	43	132376	117.231	ug/l	97
26) 2,2-Dichloropropane	6.03	77	135611	19.708	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	119058	22.176	ug/l	94
28) Bromochloromethane	6.44	49	73088	24.170	ug/l	89
29) Tetrahydrofuran	6.46	42	71453	129.904	ug/l	97
30) Chloroform	6.67	83	204764	23.060	ug/l	99
31) Cyclohexane	6.97	56	112953	18.534	ug/l	92
32) 1,1,1-Trichloroethane	6.89	97	159760	20.296	ug/l	98
36) 1,1-Dichloropropene	7.16	75	131794	20.465	ug/l	97
37) Ethyl Acetate	6.20	43	62687	22.744	ug/l	96
38) Carbon Tetrachloride	7.12	117	157250	19.338	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	128651	19.238	ug/l	98
40) Benzene	7.47	78	350556	22.674	ug/l	97
41) Methacrylonitrile	6.45	41	80450	24.695	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	121153	22.500	ug/l	99
43) Isopropyl Acetate	9.25	43	103490	26.682	ug/l	99
44) Trichloroethene	8.55	130	131507	22.095	ug/l	93
45) 1,2-Dichloropropane	8.95	63	85901	21.330	ug/l	98
46) Dibromomethane	9.07	93	66925	23.323	ug/l	97
47) Bromodichloromethane	9.39	83	139723	21.106	ug/l	93
48) Methyl methacrylate	9.13	41	58428	25.627	ug/l #	85
49) 1,4-Dioxane	9.09	88	11498	461.394	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	297377	125.372	ug/l	100
52) Toluene	10.52	92	210016	21.197	ug/l	92
53) t-1,3-Dichloropropene	10.92	75	131391	22.026	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	143776	20.533	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	75602	22.645	ug/l	94
56) Ethyl methacrylate	11.05	69	85474	23.327	ug/l	96
57) 1,3-Dichloropropane	11.42	76	114817	22.876	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	231206	132.659	ug/l	100
59) 2-Hexanone	11.54	43	226285	128.446	ug/l	96
60) Dibromochloromethane	11.70	129	127337	23.310	ug/l	96
61) 1,2-Dibromoethane	11.82	107	93019	22.659	ug/l	98
64) Tetrachloroethene	11.27	164	109345	21.211	ug/l	95
65) Chlorobenzene	12.41	112	279392	21.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	114908	21.420	ug/l	98
67) Ethyl Benzene	12.53	91	430763	21.013	ug/l	97
68) m/p-Xylenes	12.68	106	350981	45.579	ug/l	98
69) o-Xylene	13.06	106	150141	20.744	ug/l	97
70) Styrene	13.08	104	262880	21.106	ug/l	100
71) Bromoform	13.25	173	74591	23.425	ug/l #	98
73) Isopropylbenzene	13.41	105	399369	19.851	ug/l	99
74) N-amyl acetate	13.28	43	114591	21.181	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	96908	24.368	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	92271	22.649	ug/l	97
77) Bromobenzene	13.68	156	130109	22.766	ug/l	98
78) n-propylbenzene	13.78	91	503851	21.676	ug/l	97
79) 2-Chlorotoluene	13.85	91	286525	21.101	ug/l	97
80) 1,3,5-Trimethylbenzene	13.95	105	369678	23.158	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	25913	21.642	ug/l	88
82) 4-Chlorotoluene	13.96	91	349622	22.495	ug/l	94
83) tert-Butylbenzene	14.20	119	400405	21.362	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	362254	22.575	ug/l	94
85) sec-Butylbenzene	14.38	105	447503	23.095	ug/l	96
86) p-Isopropyltoluene	14.50	119	350477	19.331	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	217336	21.784	ug/l	95
88) 1,4-Dichlorobenzene	14.55	146	225174	22.832	ug/l	97
89) n-Butylbenzene	14.80	91	328620	20.477	ug/l	94
90) Hexachloroethane	15.02	117	105036	21.256	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	185432	22.189	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13525	27.452	ug/l	90

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 35 Sample Multiplier: 1

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration

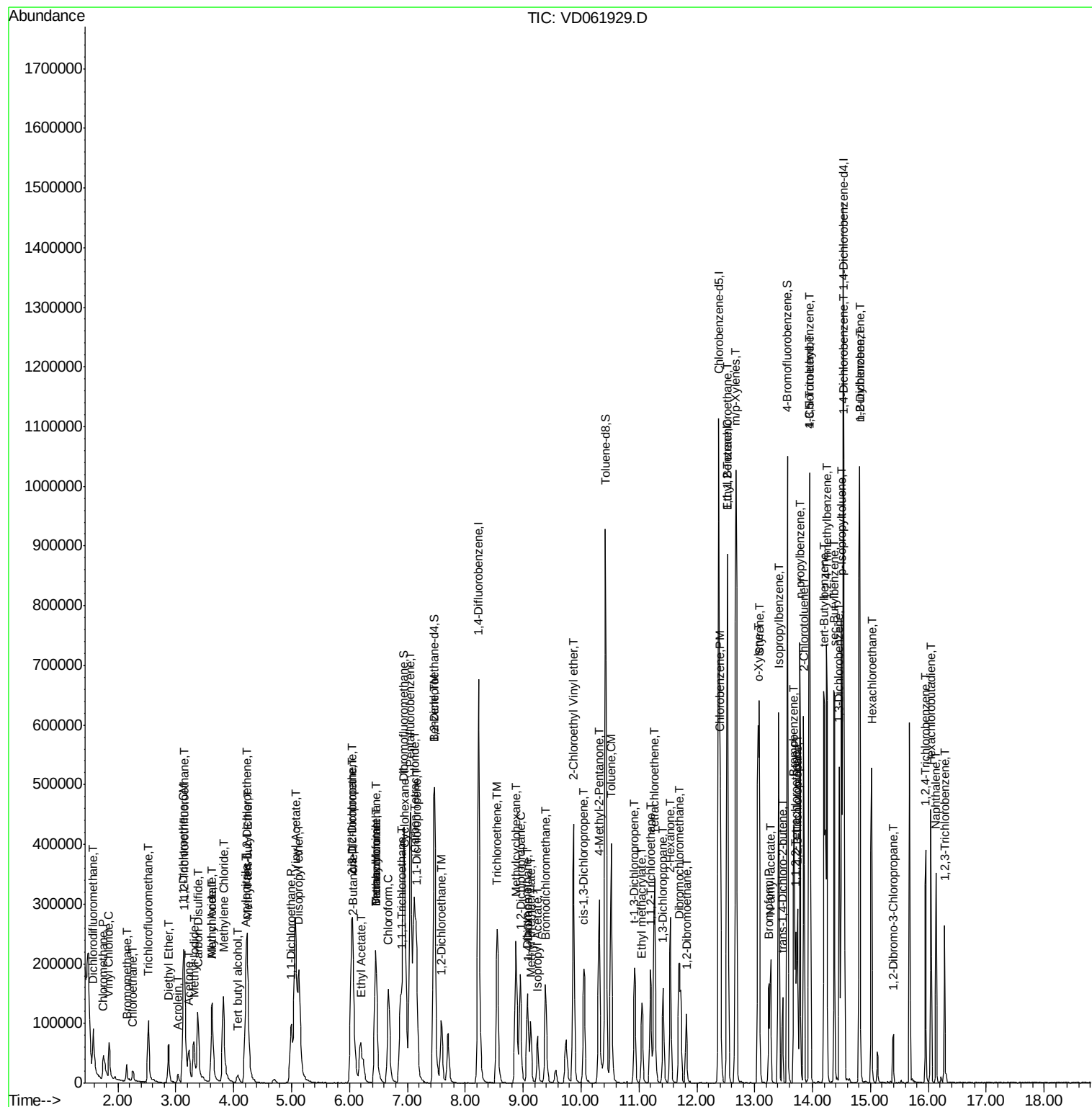
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	106488	23.200	ug/l	97
94) Hexachlorobutadiene	16.04	225	69210	20.807	ug/l	97
95) Naphthalene	16.13	128	204937	29.130	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	66467	25.411	ug/l	95

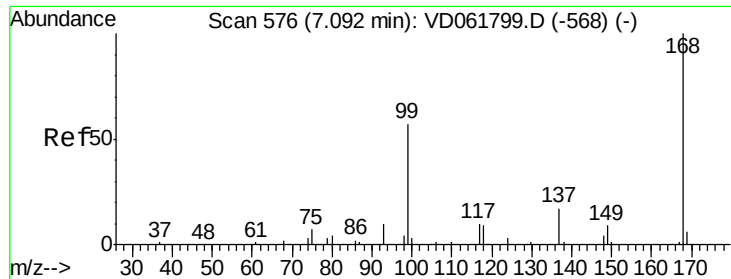
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041919\
Data File : VD061929.D
Acq On : 20 Apr 2019 4:00
Operator : VA/AP
Sample : VD9419SBS02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Apr 20 04:24:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

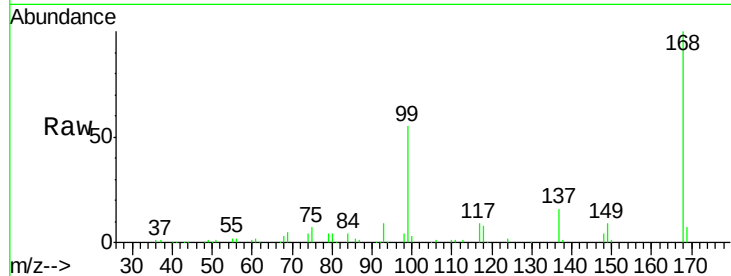
ClientSampleId :

Tot Ion:168 Resp: 480178

Ion Ratio Lower Upper

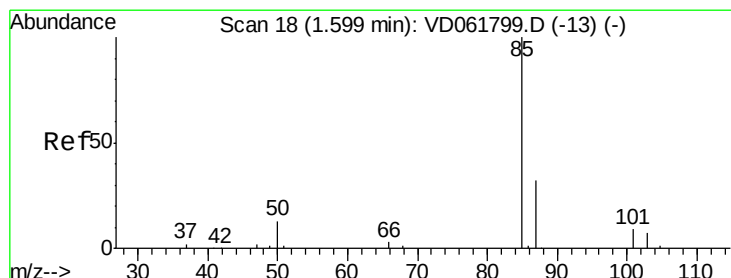
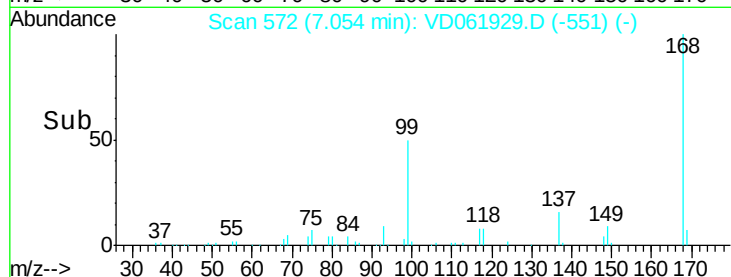
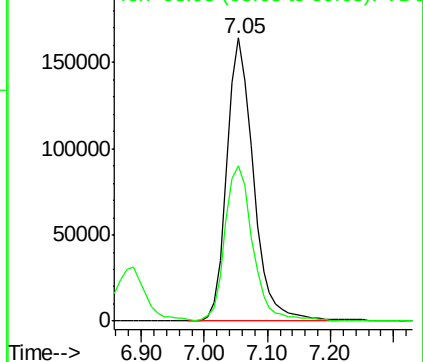
168 100

99 54.8 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: 18.129 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061929.D

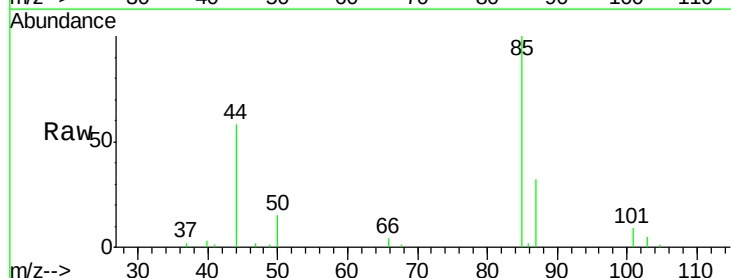
Acq: 20 Apr 2019 4:00

Tgt Ion: 85 Resp: 84964

Ion Ratio Lower Upper

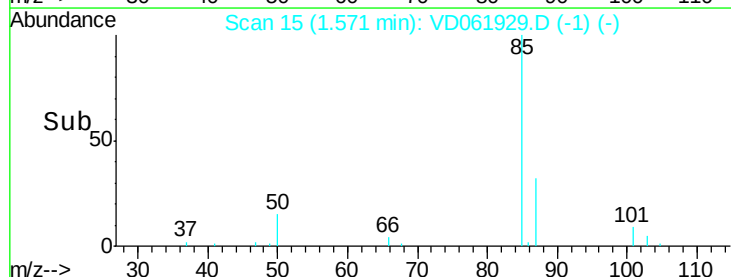
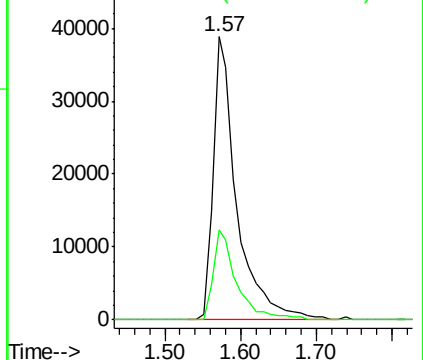
85 100

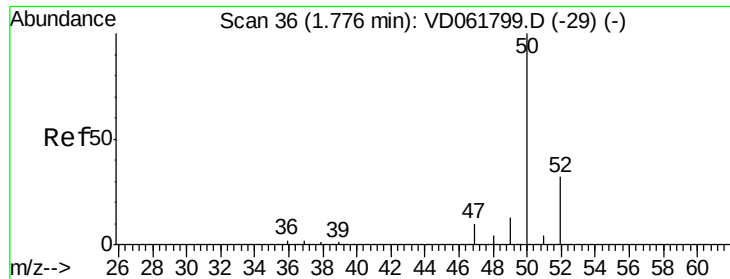
87 31.9 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

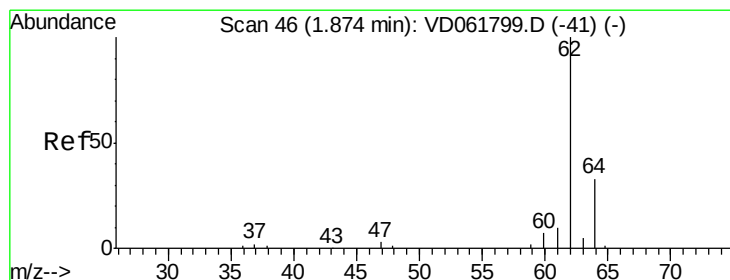
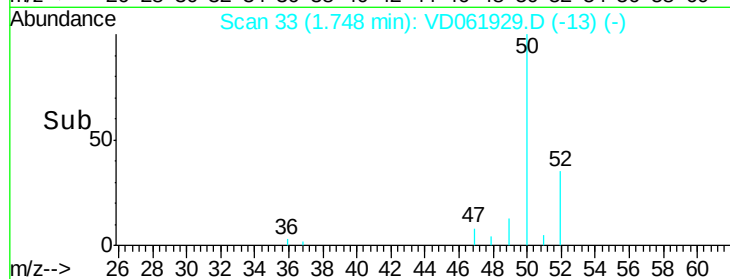
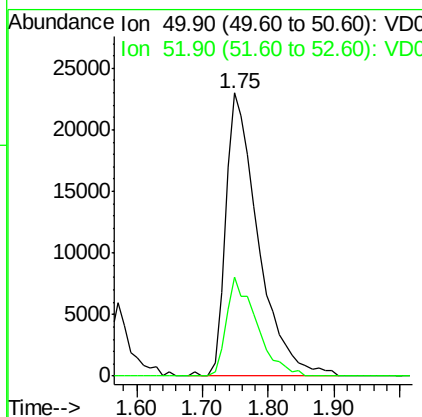
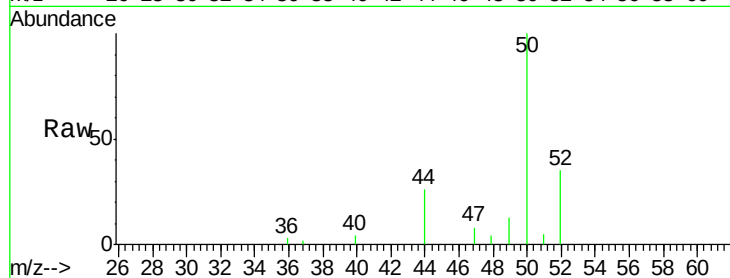




#3
 Chloromethane
 Concen: 21.282 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

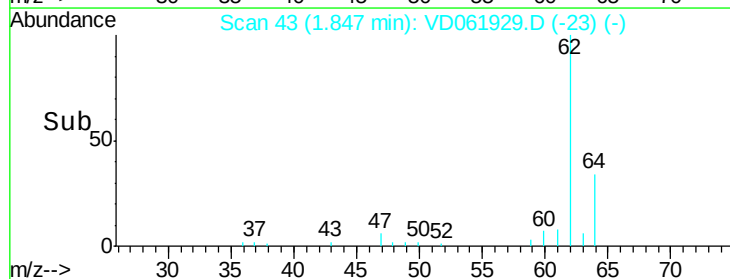
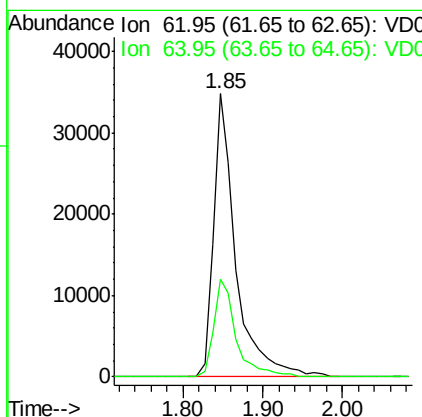
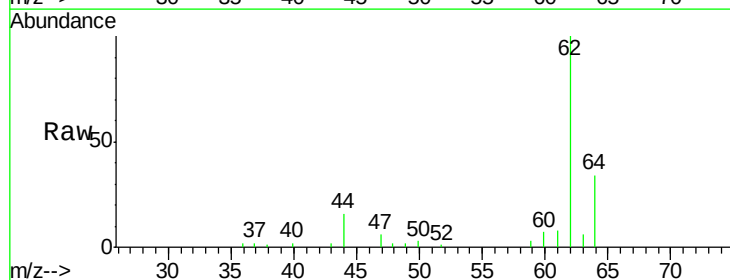
Instrument :
 MSVOA_D
 ClientSampleId :

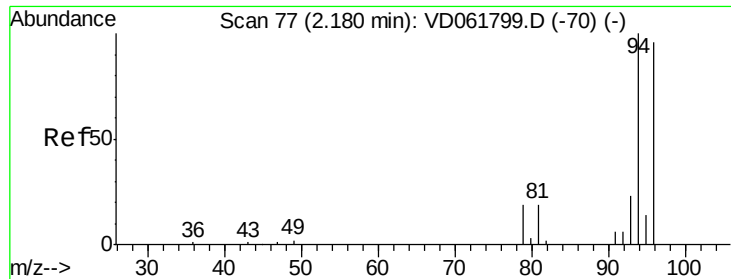
Tot Ion: 50 Resp: 79489
 Ion Ratio Lower Upper
 50 100
 52 34.8 25.2 37.8



#4
 Vinyl Chloride
 Concen: 18.393 ug/l
 RT: 1.85 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 62 Resp: 68179
 Ion Ratio Lower Upper
 62 100
 64 34.4 26.5 39.7

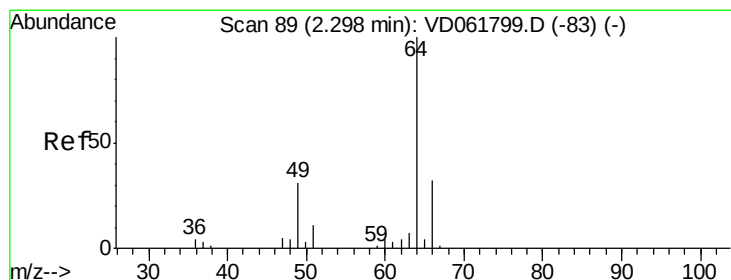
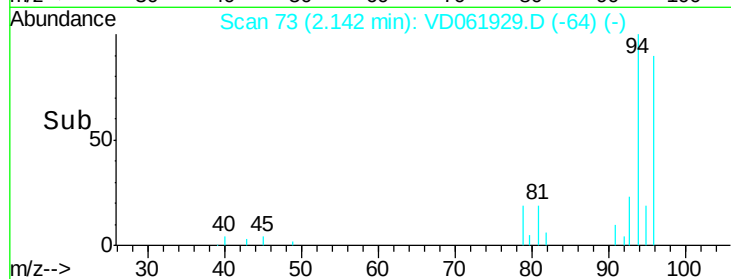
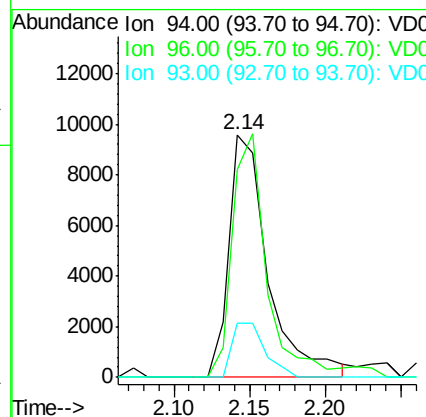
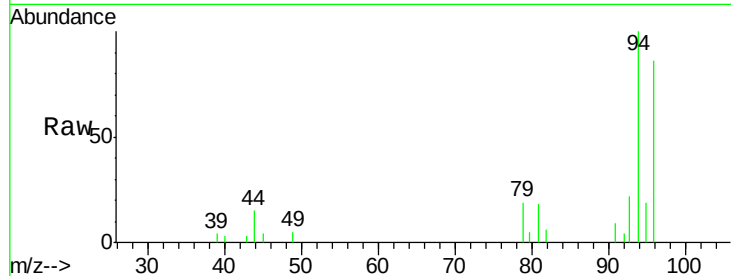




#5
Bromomethane
Concen: 18.569 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

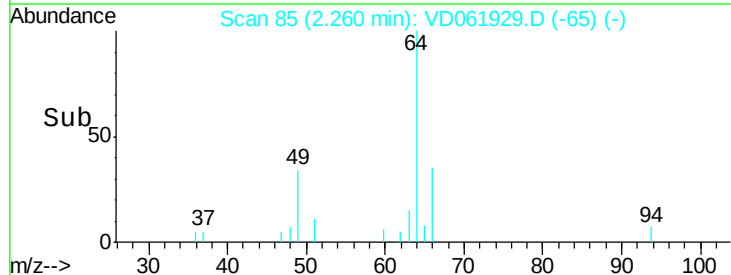
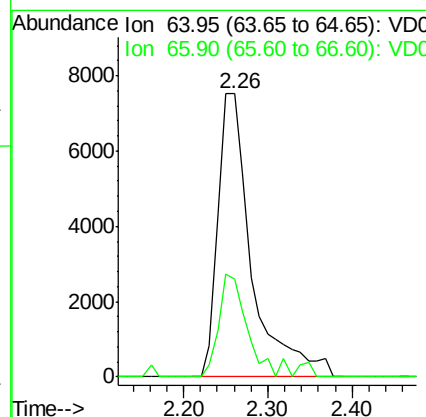
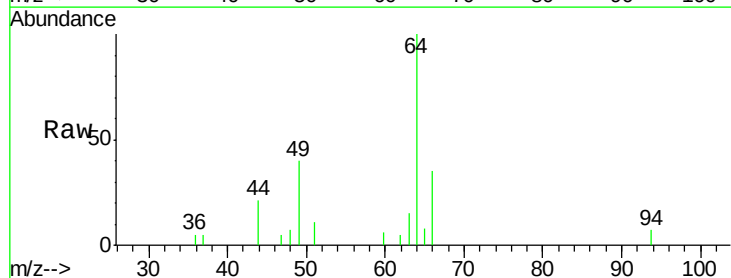
Instrument :
MSVOA_D
ClientSampleId :

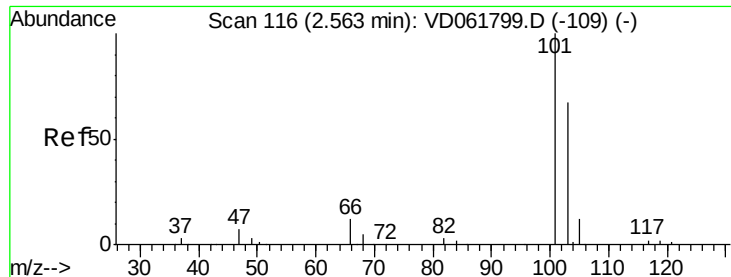
Tot Ion: 94 Resp: 17325
Ion Ratio Lower Upper
94 100
96 85.8 76.6 115.0
93 22.4 18.5 27.7



#6
Chloroethane
Concen: 16.614 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 64 Resp: 21010
Ion Ratio Lower Upper
64 100
66 34.6 25.6 38.4



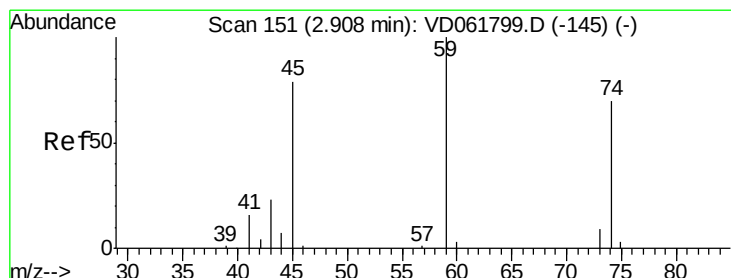
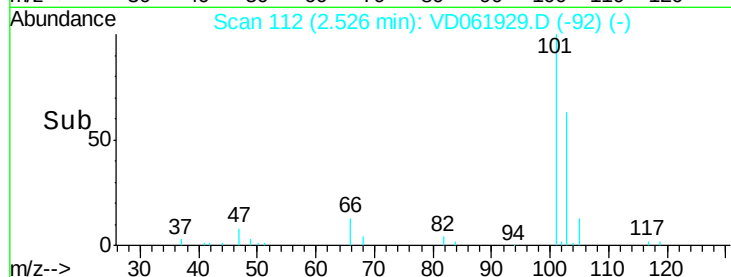
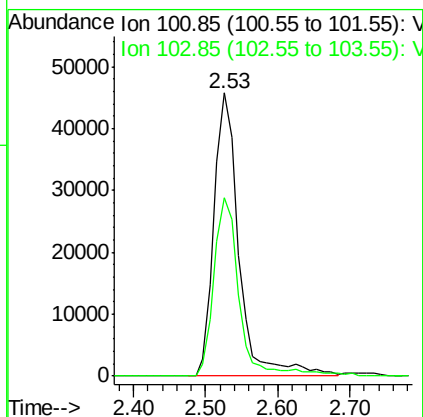
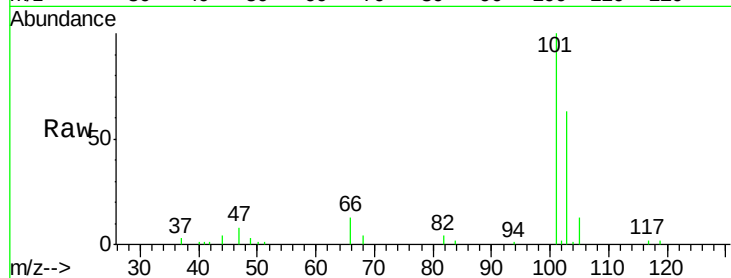


#7

Trichlorofluoromethane
Concen: 18.195 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampleId :

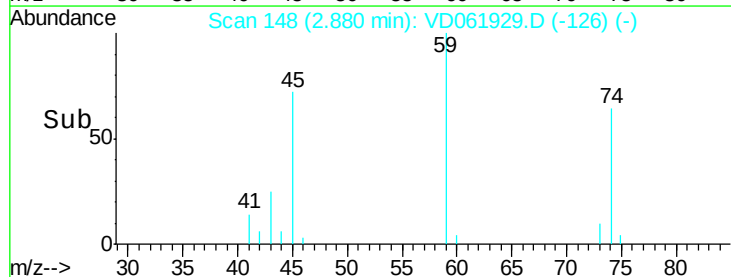
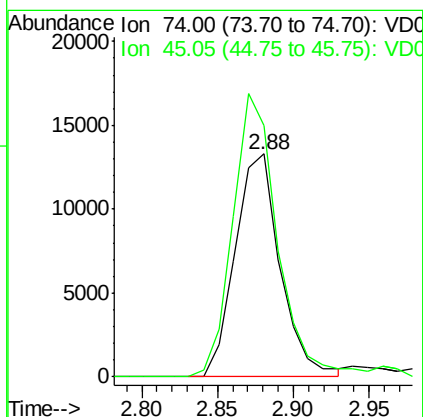
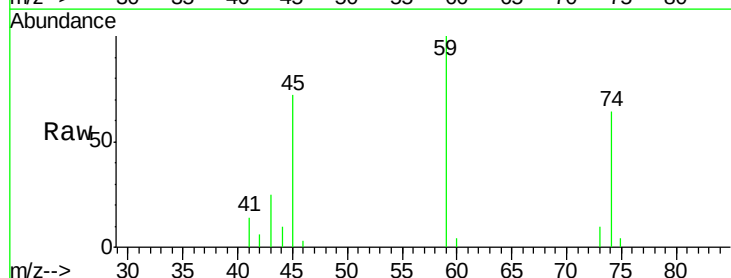
Tot Ion:101 Resp: 109387
Ion Ratio Lower Upper
101 100
103 62.9 53.6 80.4

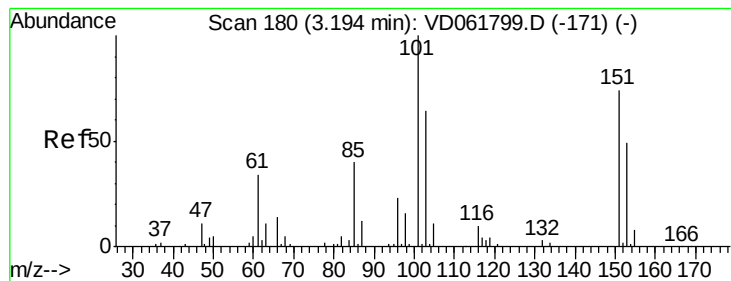


#8

Diethyl Ether
Concen: 17.484 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 74 Resp: 27547
Ion Ratio Lower Upper
74 100
45 112.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.746 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

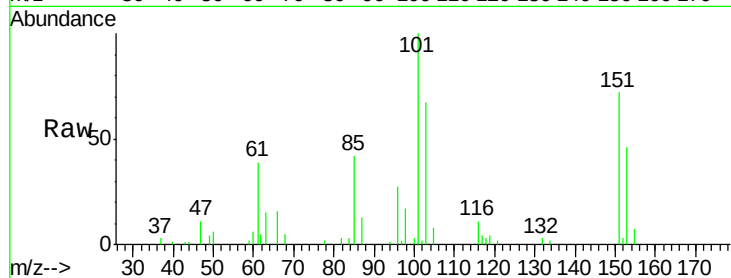
Tot Ion:101 Resp: 95128

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

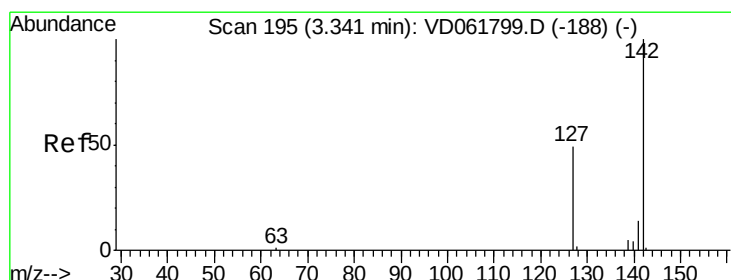
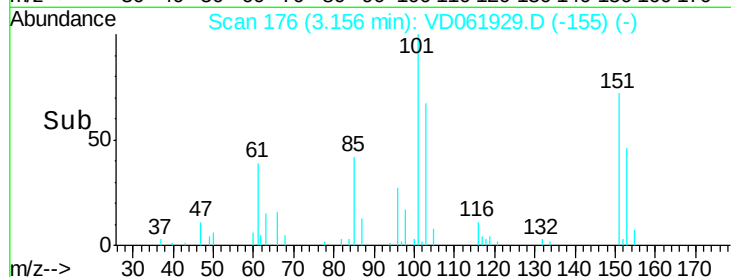
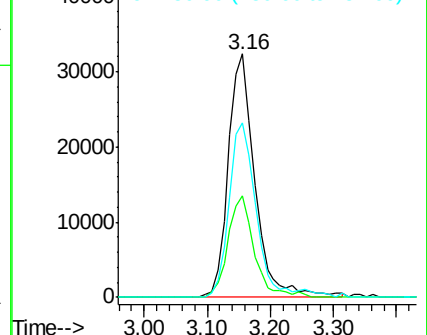
151 71.6 59.4 89.0



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: 17.390 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

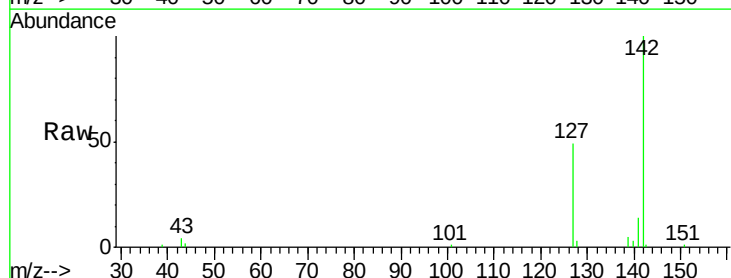
Tgt Ion:142 Resp: 127720

Ion Ratio Lower Upper

142 100

127 48.7 38.8 58.2

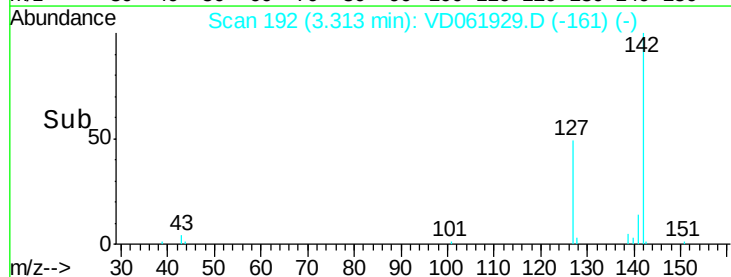
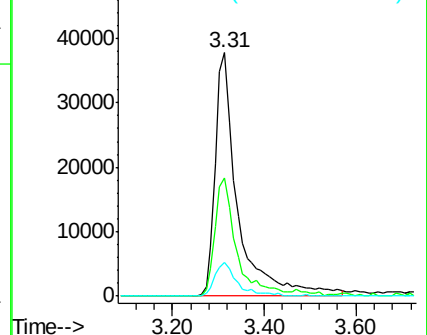
141 13.7 11.4 17.0

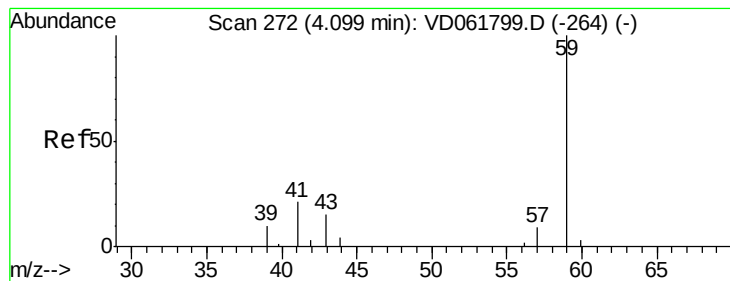


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



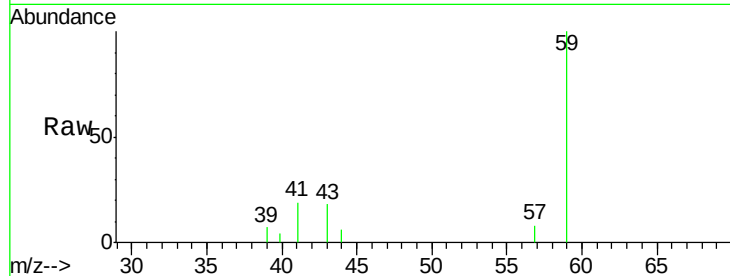


#11

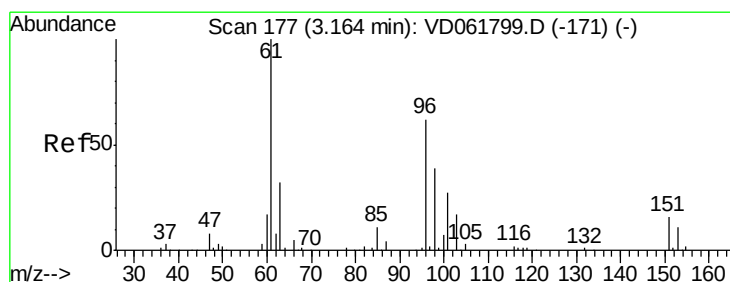
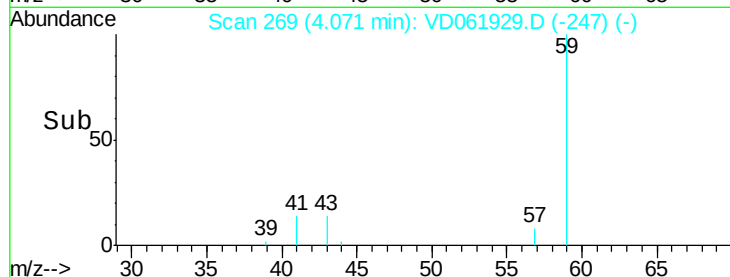
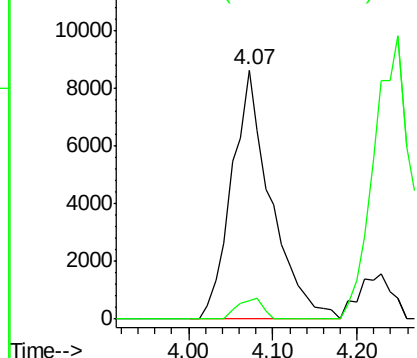
Tert butyl alcohol
 Concen: 117.944 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 27991
 Ion Ratio Lower Upper
 59 100
 57 7.6 6.9 10.3



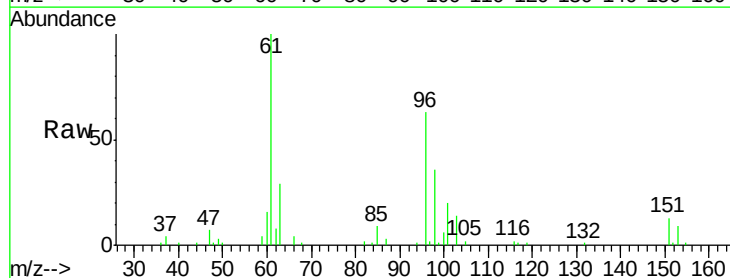
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



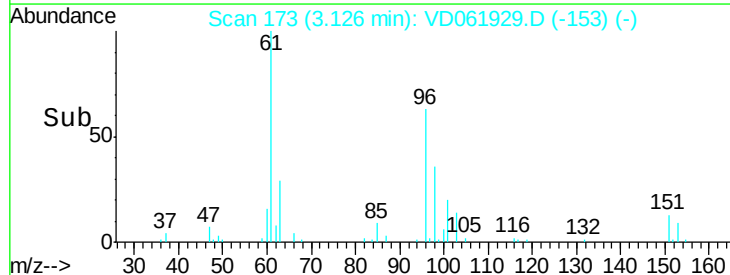
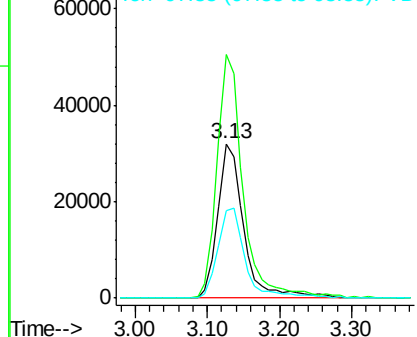
#12

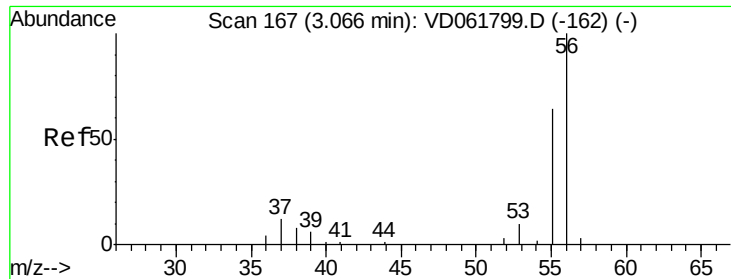
1,1-Dichloroethene
 Concen: 17.701 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 96 Resp: 79770
 Ion Ratio Lower Upper
 96 100
 61 157.6 129.8 194.8
 98 56.9 51.2 76.8



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

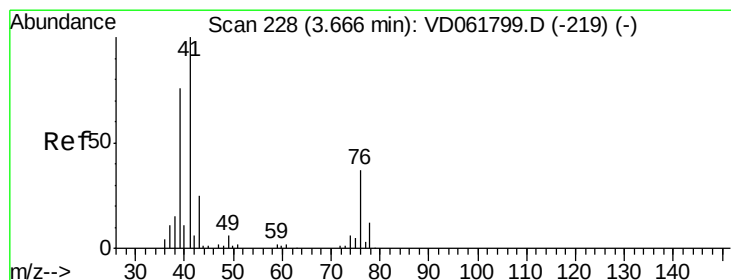
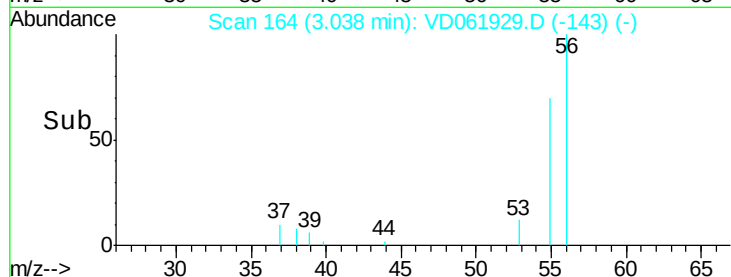
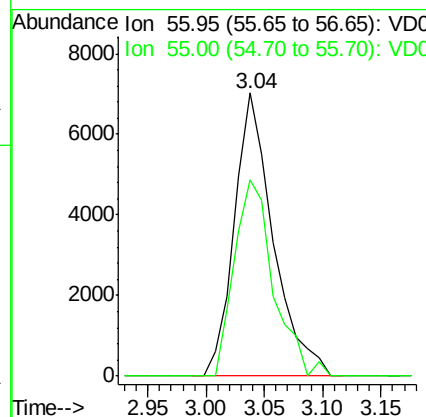
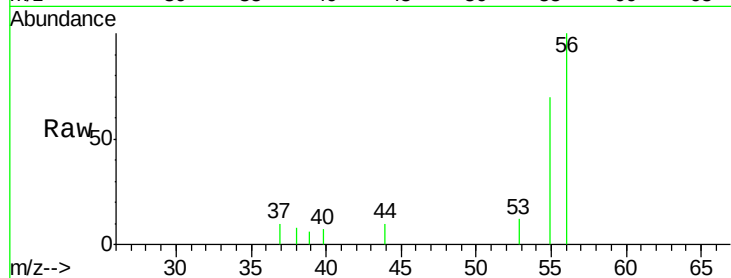




#13
 Acrolein
 Concen: 70.563 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

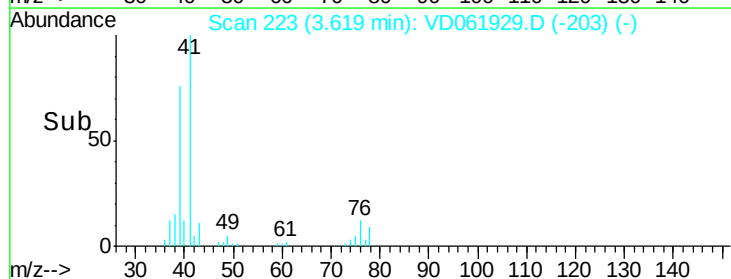
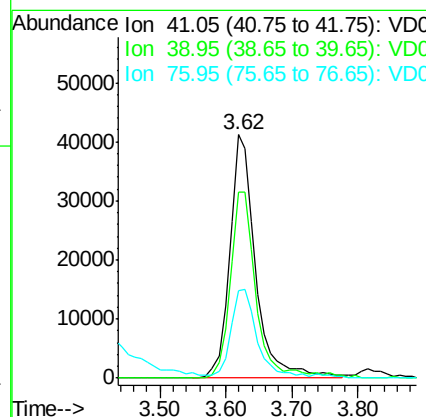
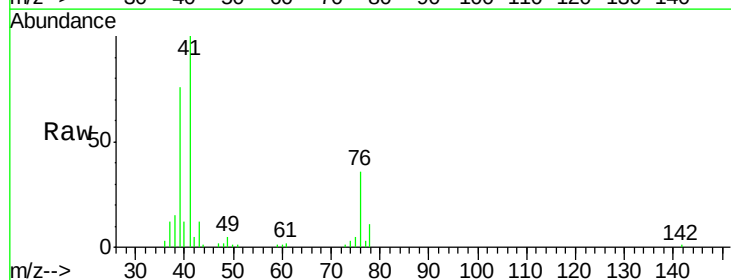
Instrument :
 MSVOA_D
 ClientSampleId :

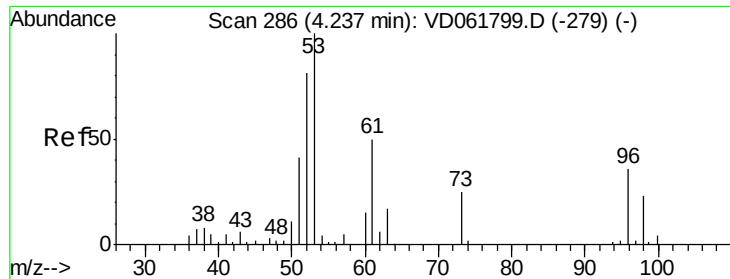
Tot Ion: 56 Resp: 16212
 Ion Ratio Lower Upper
 56 100
 55 69.6 51.4 77.2



#14
 Allyl chloride
 Concen: 18.387 ug/l
 RT: 3.62 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 41 Resp: 112947
 Ion Ratio Lower Upper
 41 100
 39 76.3 60.5 90.7
 76 36.0 31.8 47.8





#15

Acrylonitrile

Concen: 106.883 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampled :

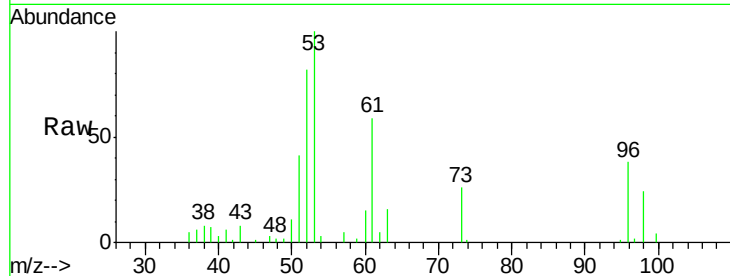
Tot Ion: 53 Resp: 79634

Ion Ratio Lower Upper

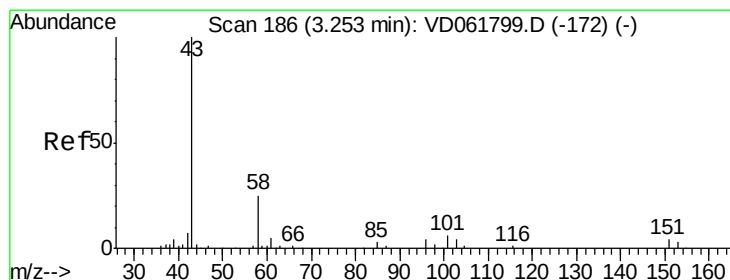
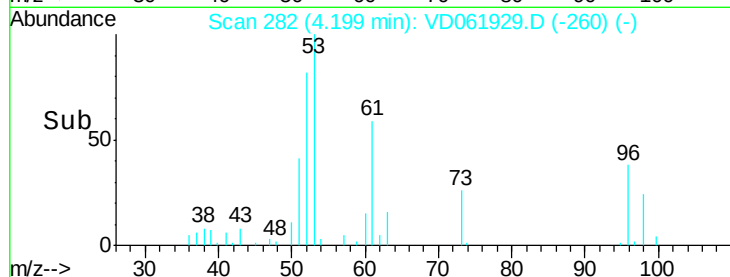
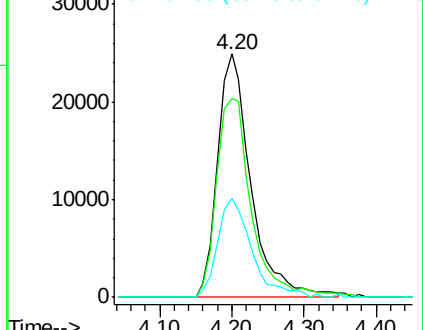
53 100

52 81.7 65.0 97.4

51 40.7 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: 91.087 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061929.D

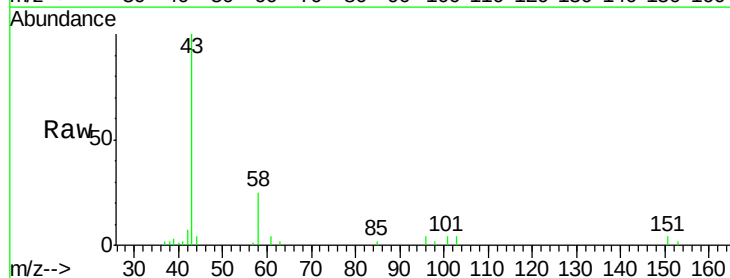
Acq: 20 Apr 2019 4:00

Tgt Ion: 43 Resp: 90345

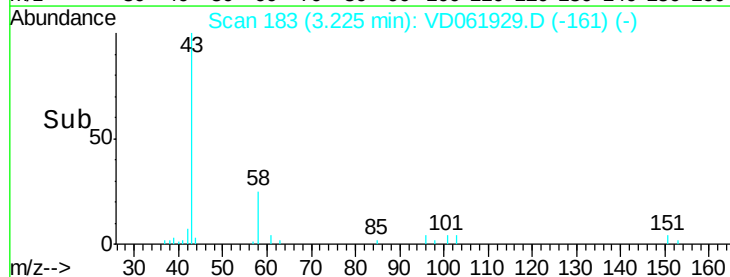
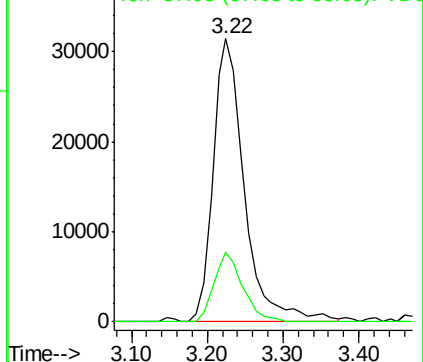
Ion Ratio Lower Upper

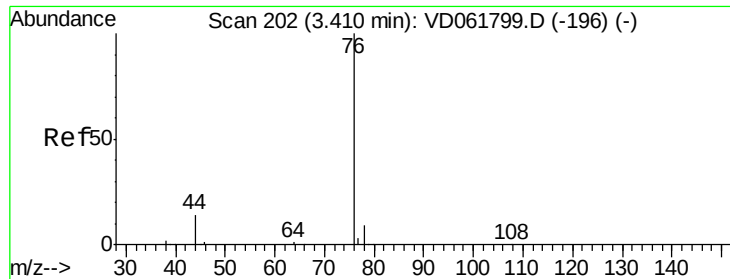
43 100

58 24.8 19.9 29.9



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

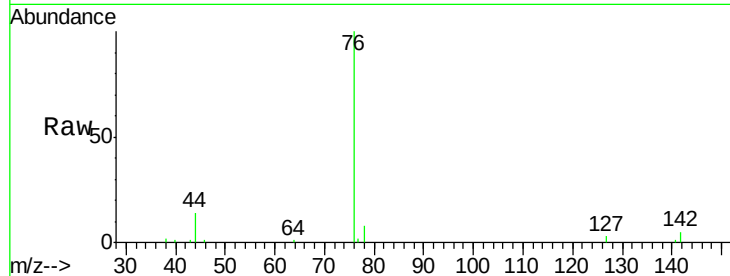




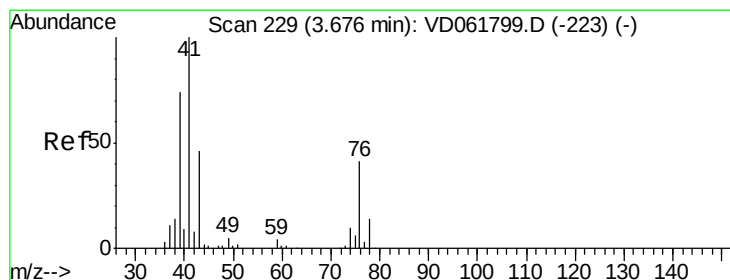
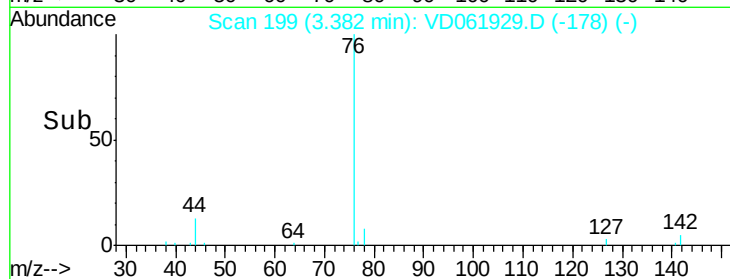
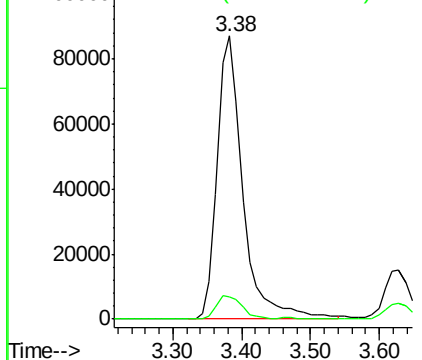
#17
Carbon Disulfide
Concen: 15.476 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 225352
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8

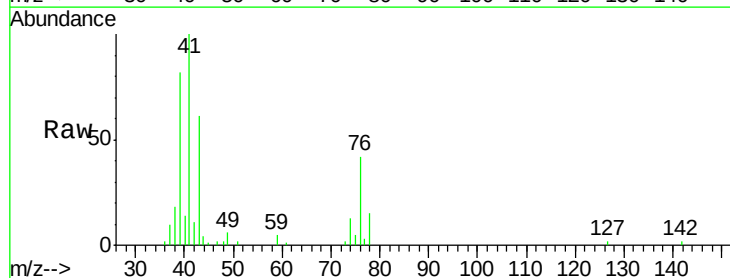


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

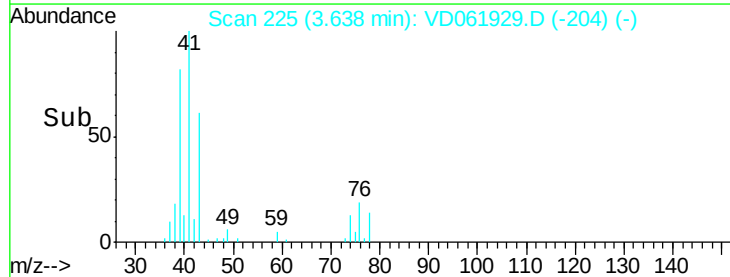
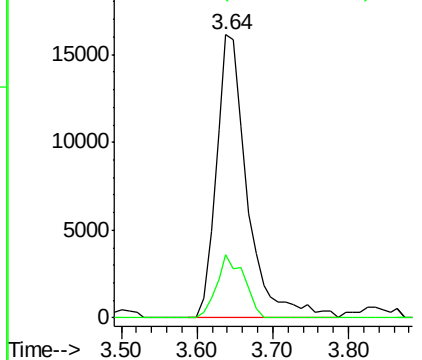


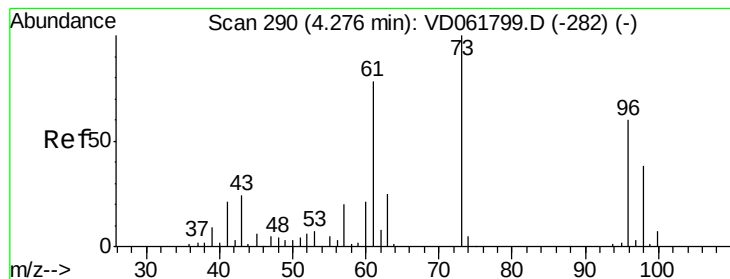
#18
Methyl Acetate
Concen: 22.930 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 43 Resp: 45585
Ion Ratio Lower Upper
43 100
74 22.2 18.0 27.0



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



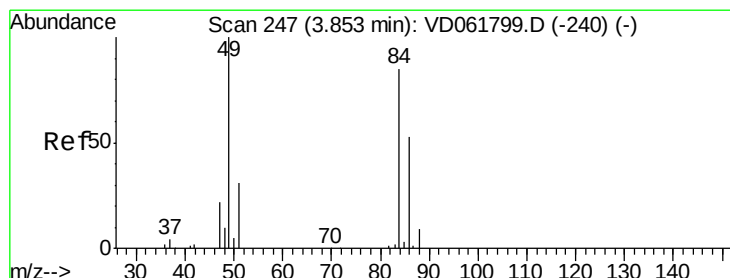
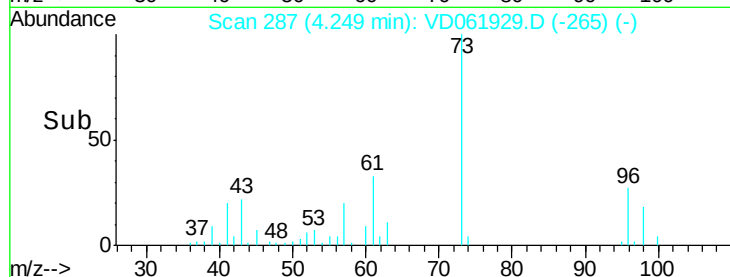
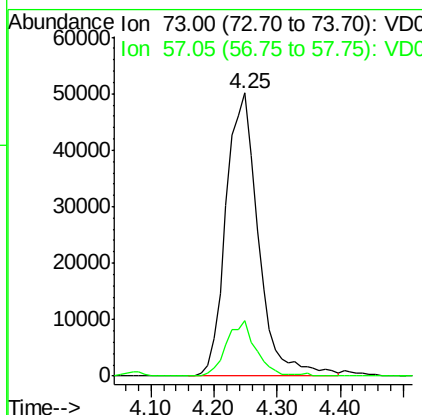
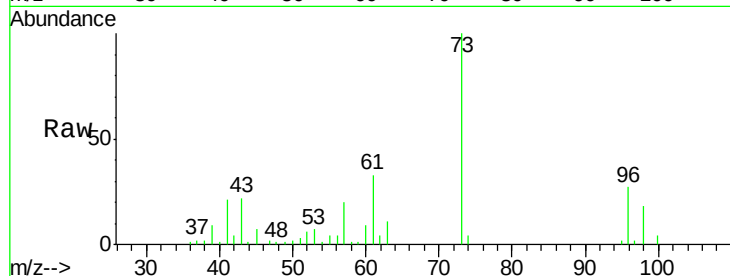


#19

Methyl tert-butyl Ether
 Concen: 21.196 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampled :

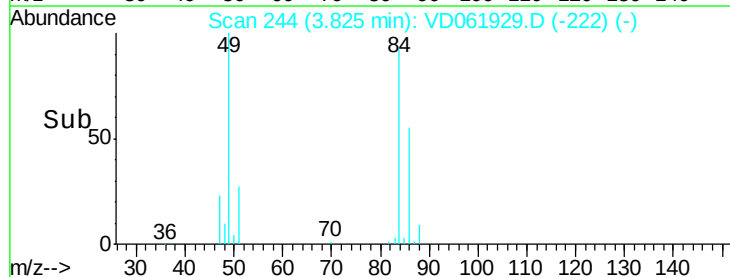
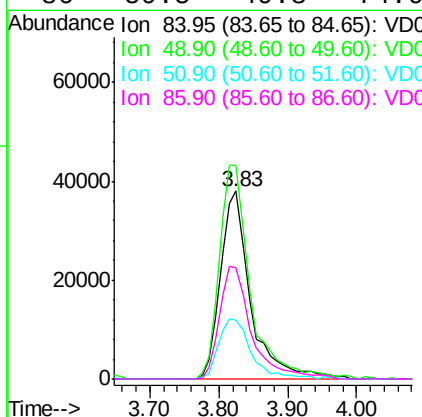
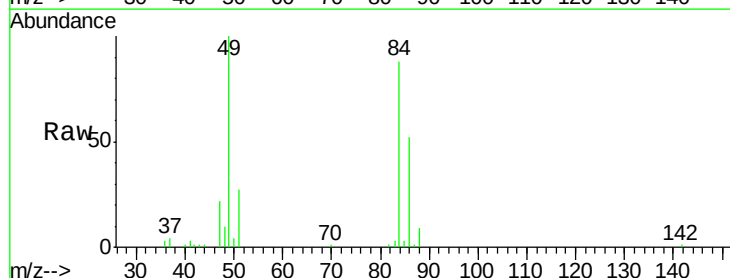
Tot Ion: 73 Resp: 178260
 Ion Ratio Lower Upper
 73 100
 57 19.6 16.3 24.5

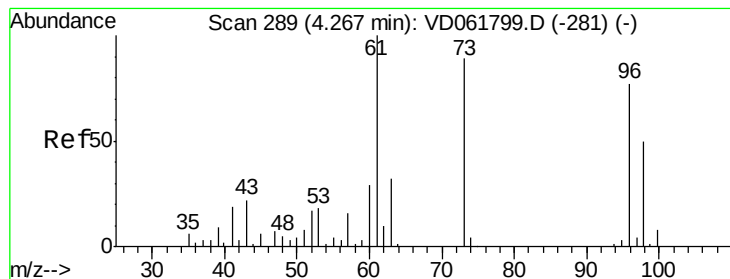


#20

Methylene Chloride
 Concen: 20.641 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 84 Resp: 115041
 Ion Ratio Lower Upper
 84 100
 49 113.7 94.0 141.0
 51 31.2 29.0 43.4
 86 59.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.758 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

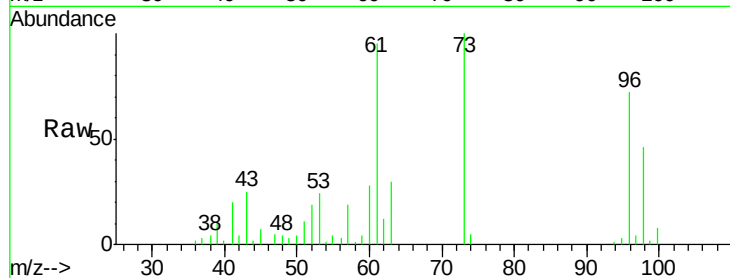
Tot Ion: 96 Resp: 87947

Ion Ratio Lower Upper

96 100

61 132.0 104.4 156.6

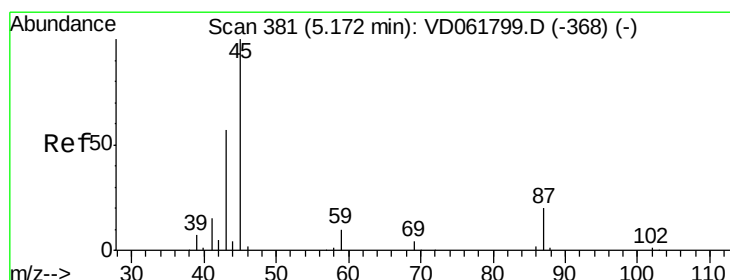
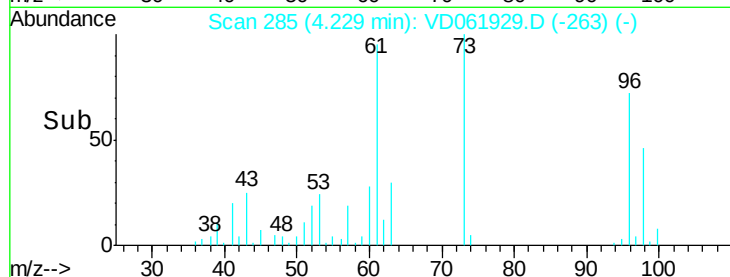
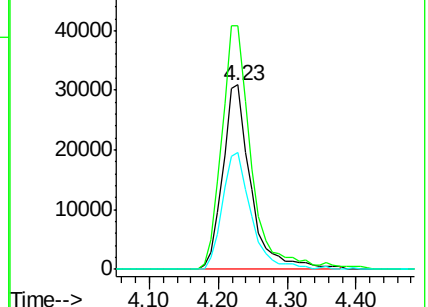
98 63.7 51.8 77.8



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: 23.024 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Tgt Ion: 45 Resp: 302323

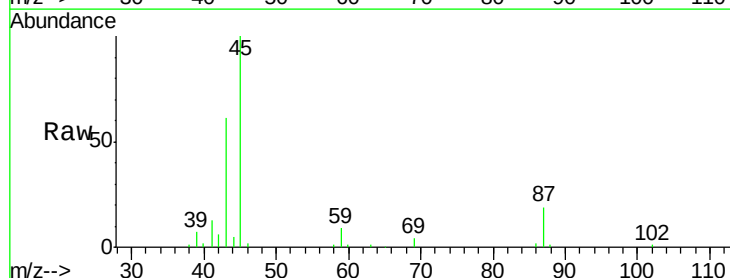
Ion Ratio Lower Upper

45 100

43 60.8 46.2 69.2

87 18.7 15.9 23.9

59 9.4 7.9 11.9

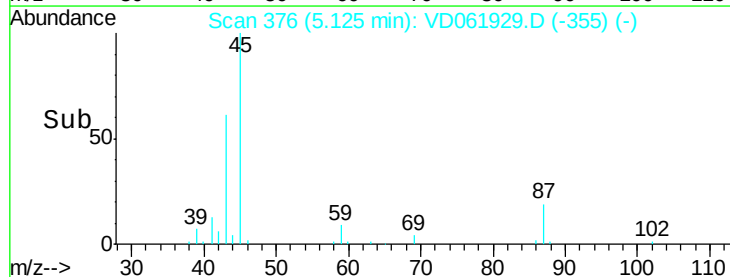
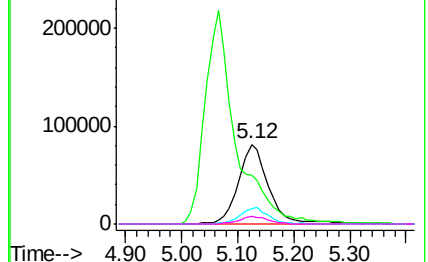


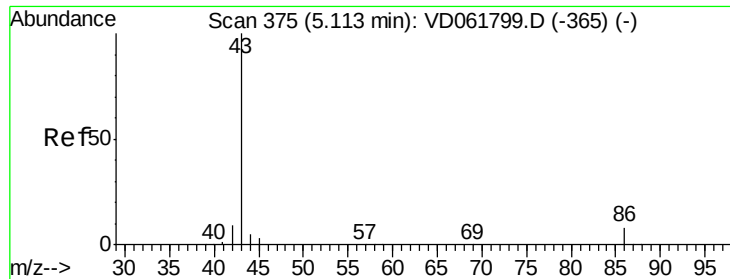
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

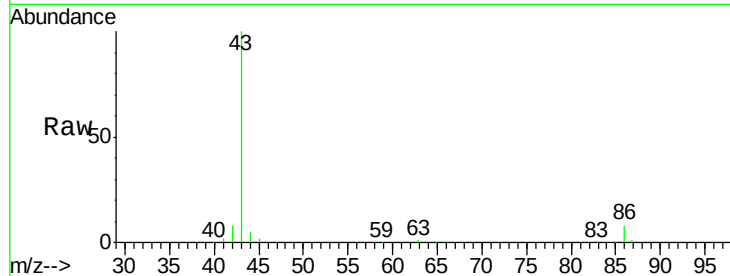




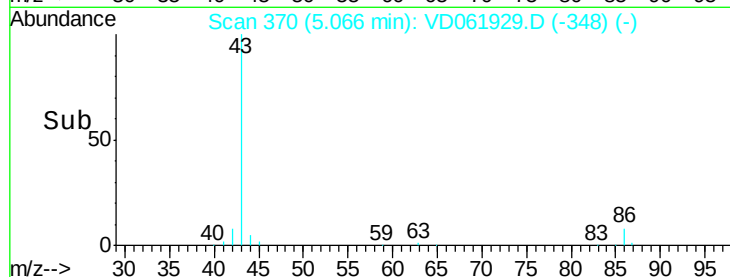
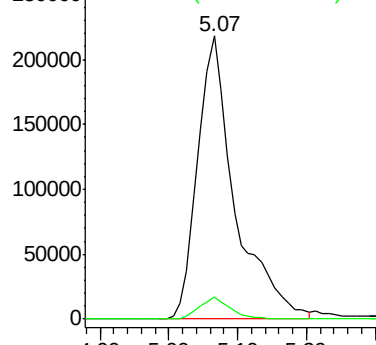
#23
 Vinyl Acetate
 Concen: 117.522 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampleId :

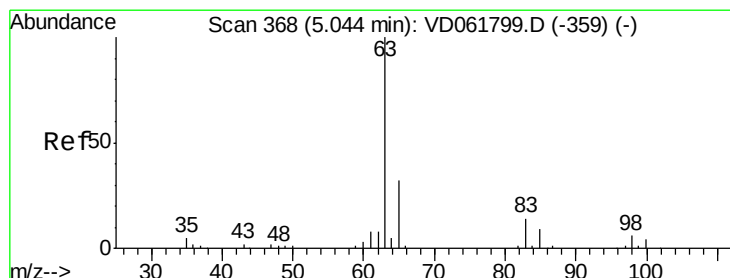
Tot Ion: 43 Resp: 824904
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 86.00 (85.70 to 86.70): VDC

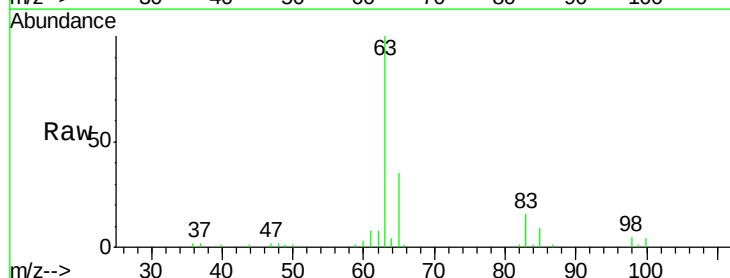


Time-->

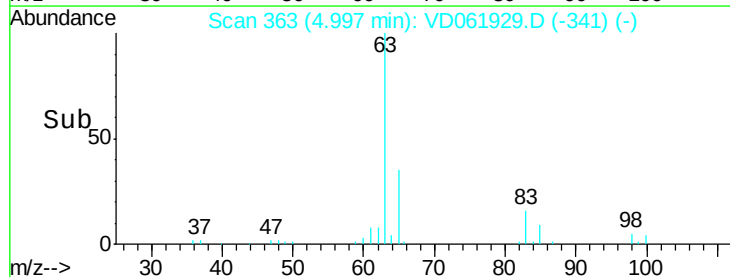
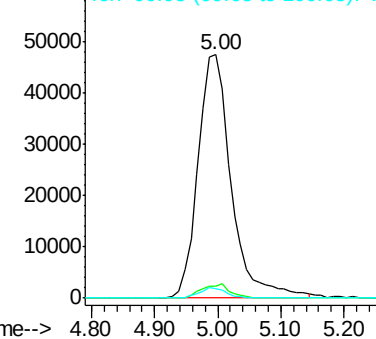


#24
 1,1-Dichloroethane
 Concen: 21.693 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

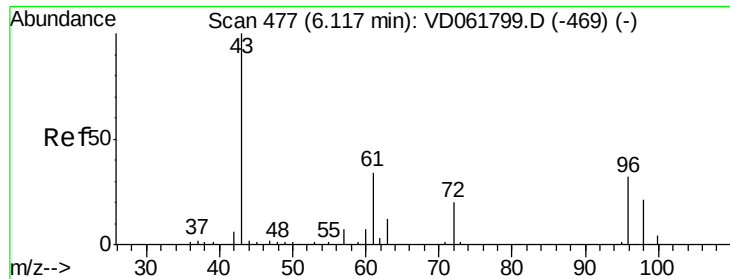
Tgt Ion: 63 Resp: 172700
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.8 8.4
 100 3.7 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC



Time-->



#25

2-Butanone

Concen: 117.231 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

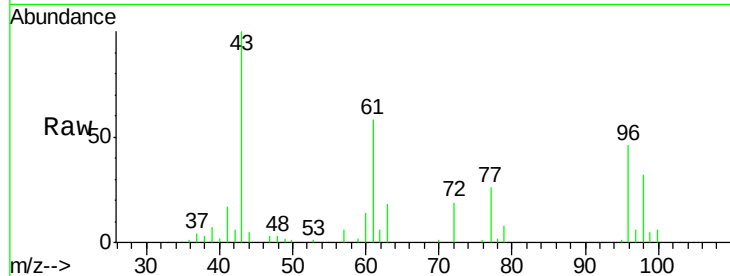
ClientSampleId :

Tot Ion: 43 Resp: 132376

Ion Ratio Lower Upper

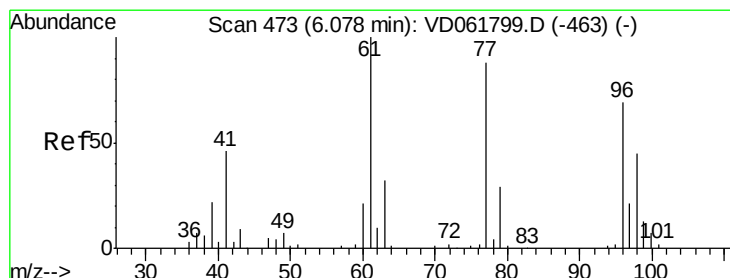
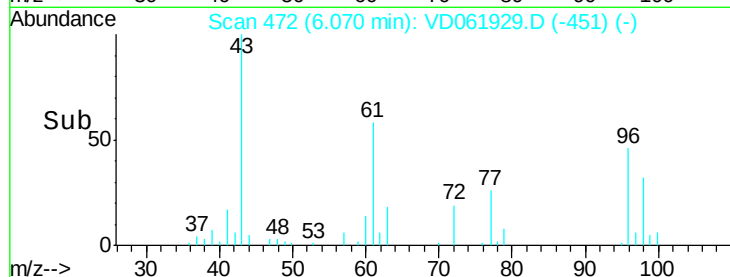
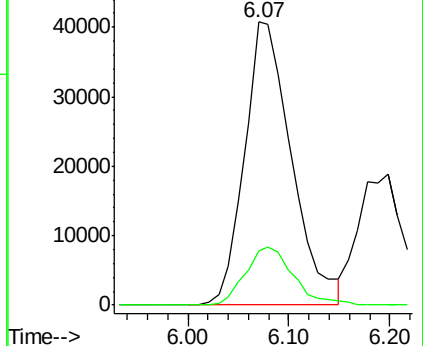
43 100

72 19.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.708 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061929.D

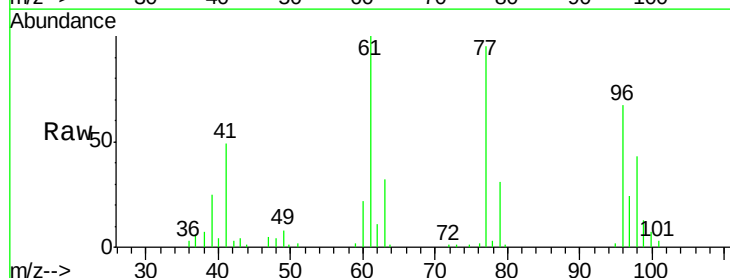
Acq: 20 Apr 2019 4:00

Tgt Ion: 77 Resp: 135611

Ion Ratio Lower Upper

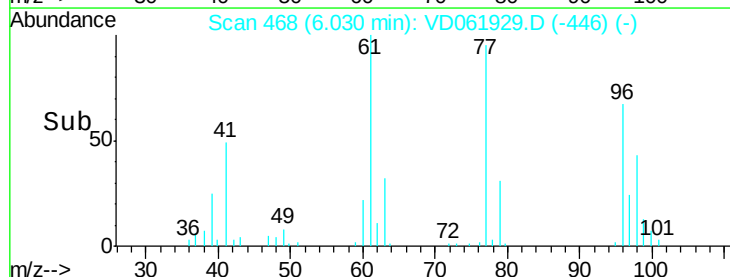
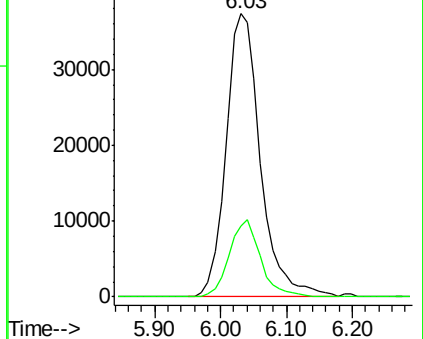
77 100

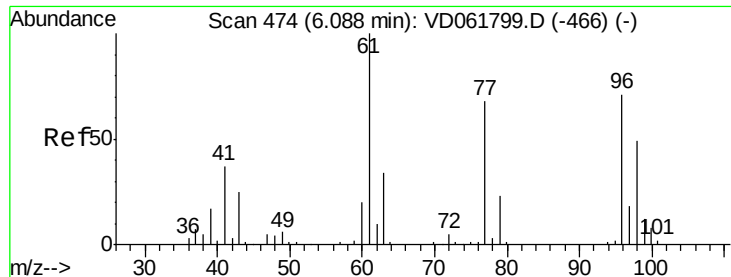
97 25.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



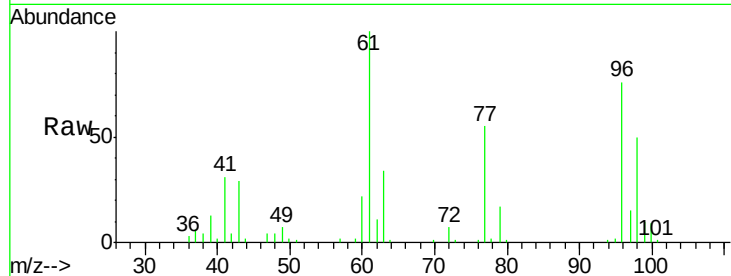


#27

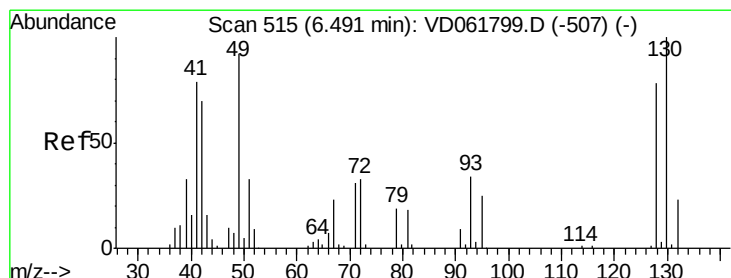
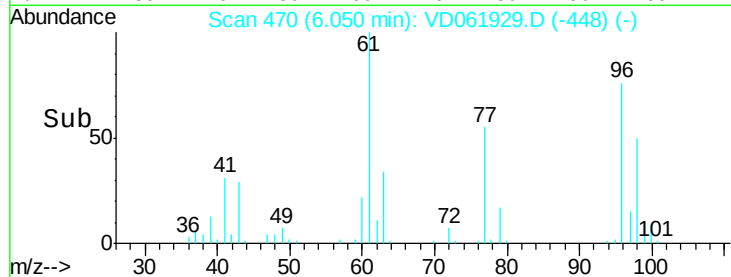
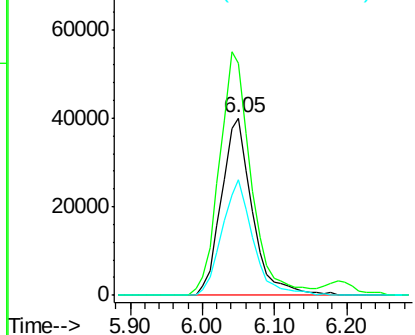
cis-1,2-Dichloroethene
Concen: 22.176 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 119058
Ion Ratio Lower Upper
96 100
61 130.9 0.0 279.8
98 64.9 0.0 136.0



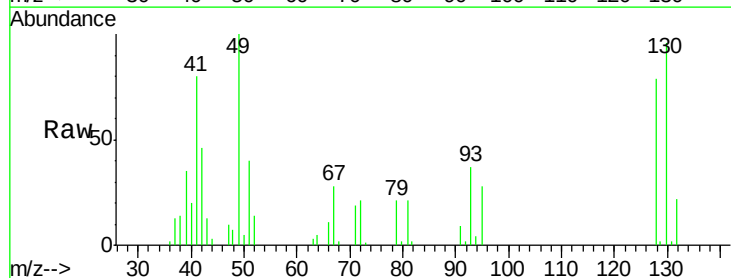
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



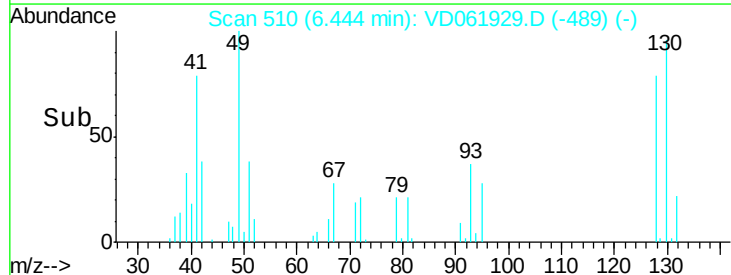
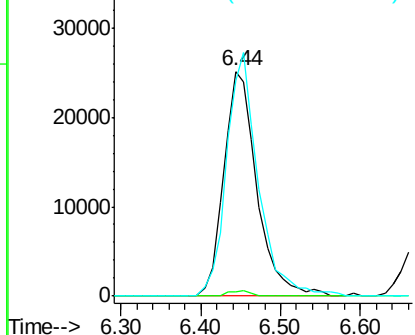
#28

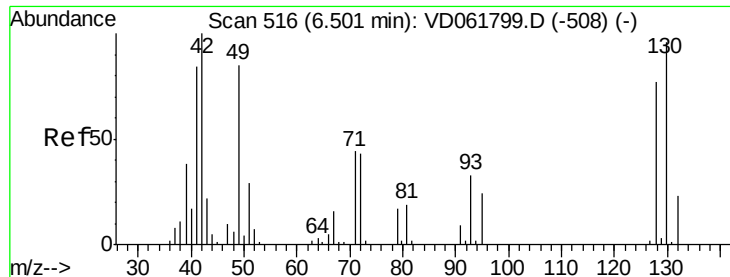
Bromochloromethane
Concen: 24.170 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 49 Resp: 73088
Ion Ratio Lower Upper
49 100
129 2.0 0.0 6.6
130 96.2 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

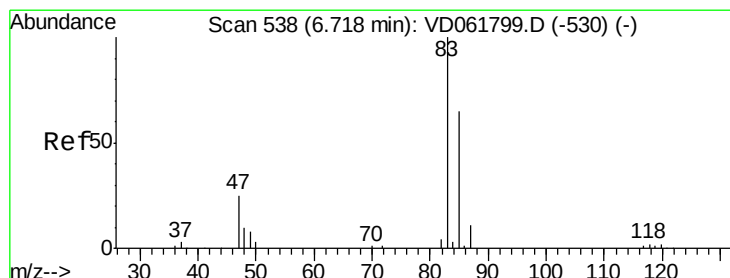
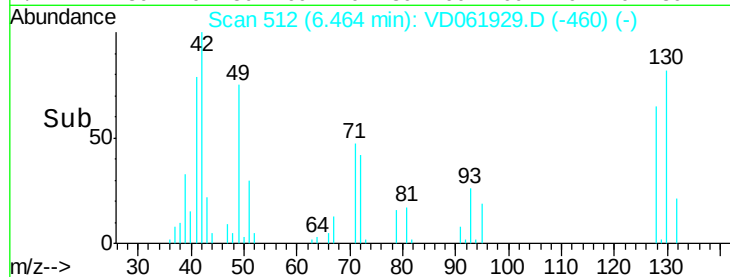
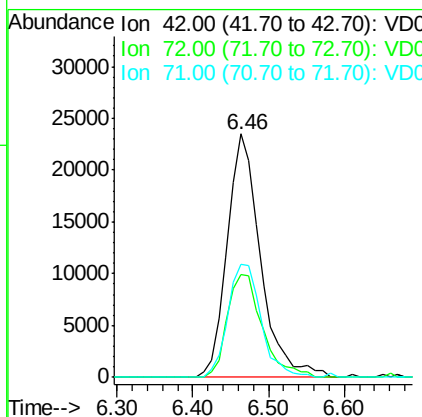
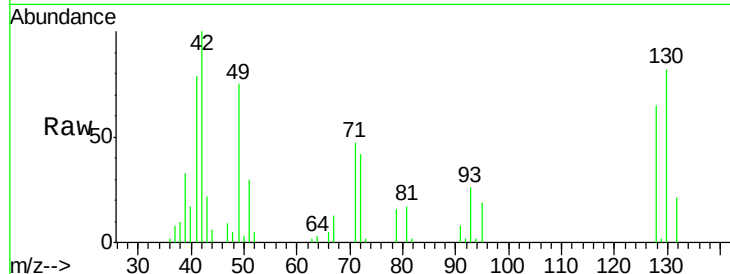




#29
Tetrahydrofuran
Concen: 129.904 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

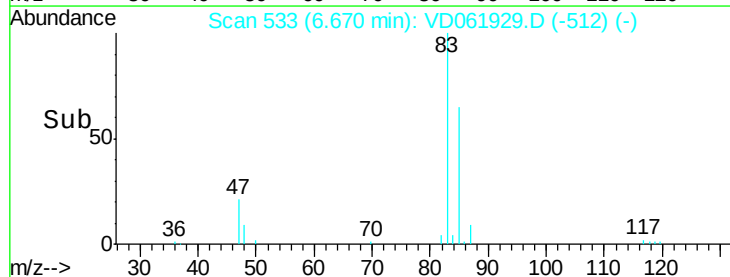
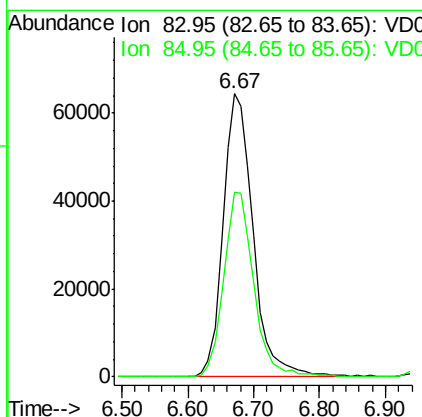
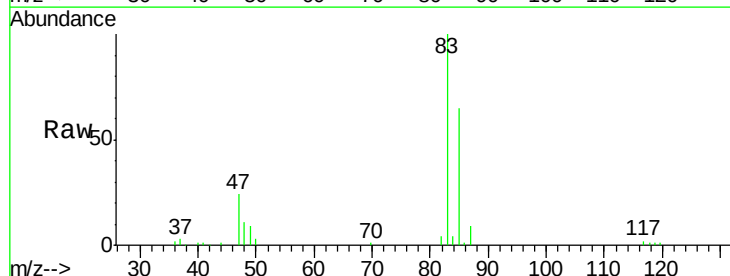
Instrument :
MSVOA_D
ClientSampled :

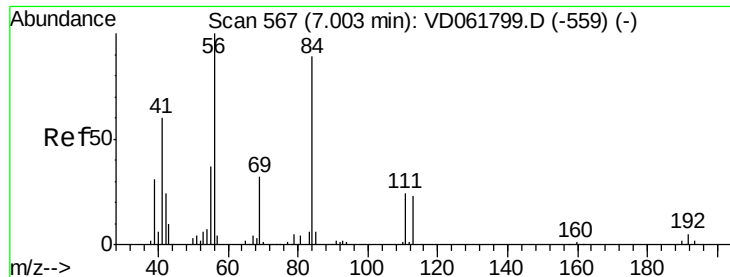
Tot Ion: 42 Resp: 71453
Ion Ratio Lower Upper
42 100
72 44.3 37.8 56.6
71 46.4 36.7 55.1



#30
Chloroform
Concen: 23.060 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 83 Resp: 204764
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5

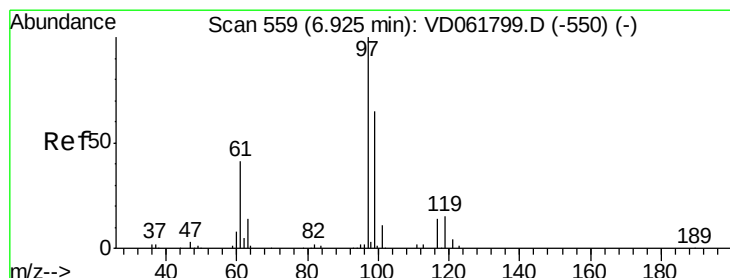
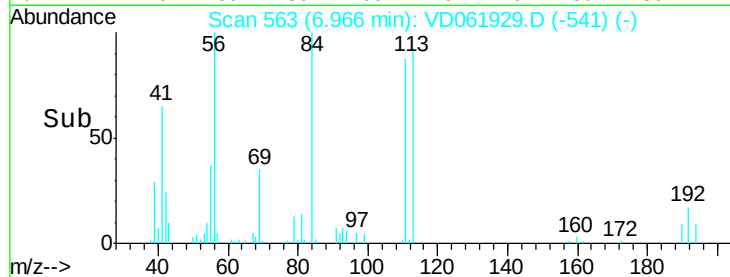
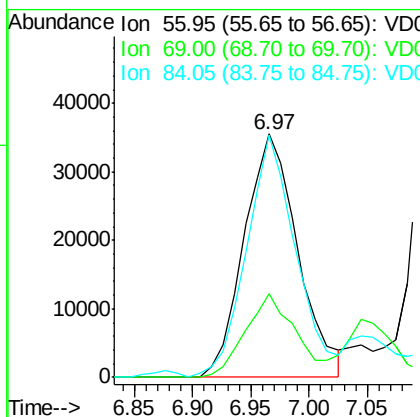
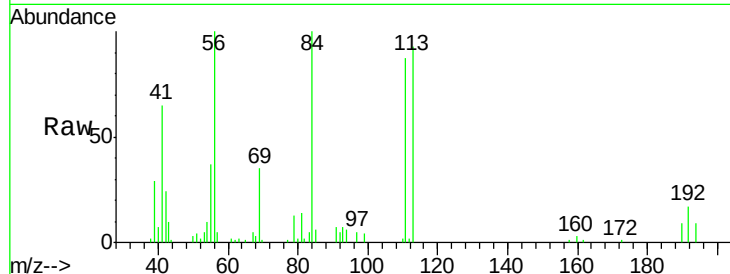




#31
Cyclohexane
Concen: 18.534 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

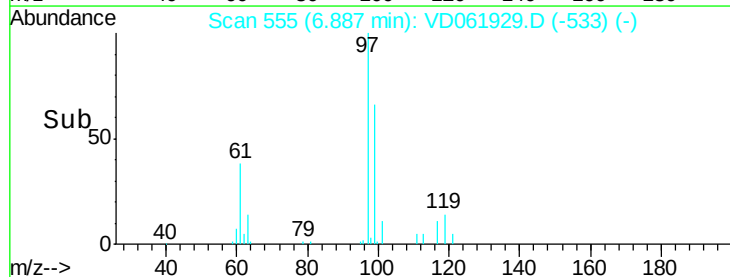
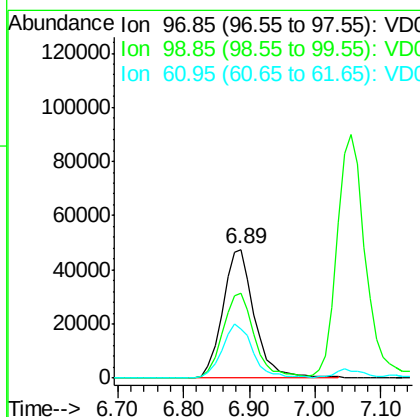
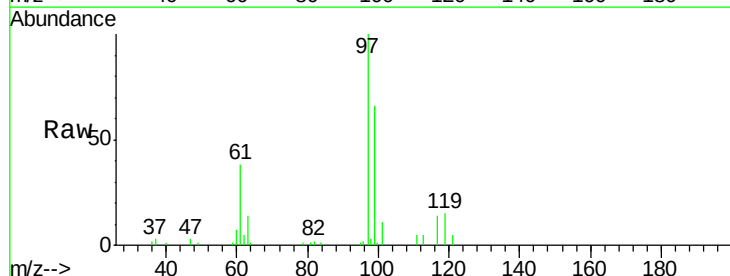
Instrument :
MSVOA_D
ClientSampleId :

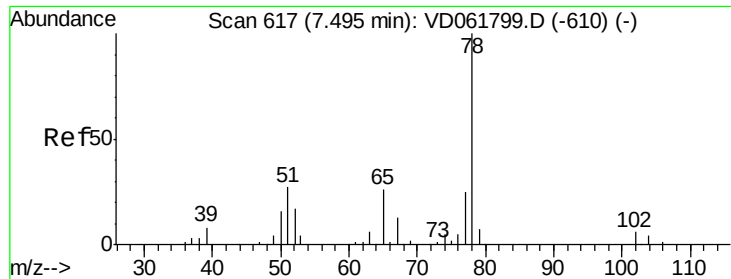
Tot Ion: 56 Resp: 112953
Ion Ratio Lower Upper
56 100
69 34.6 25.8 38.6
84 99.6 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.296 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 97 Resp: 159760
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 38.3 32.4 48.6

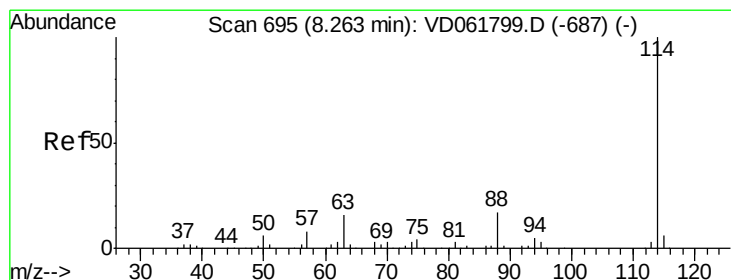
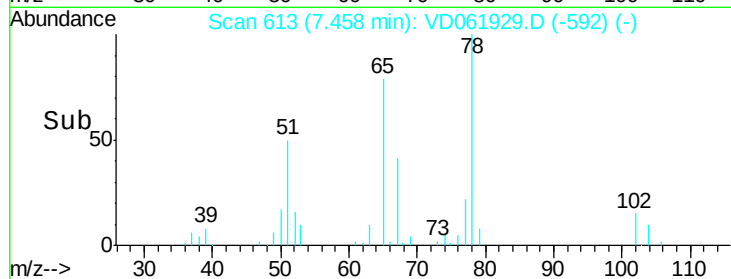
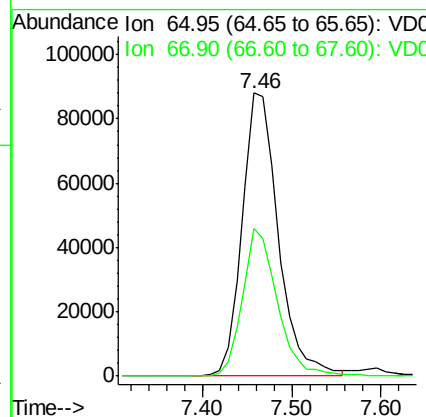
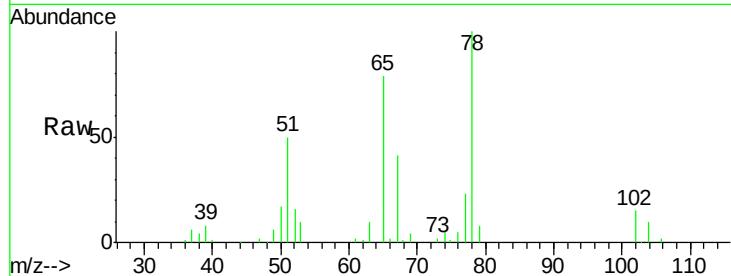




#33
 1,2-Dichloroethane-d4
 Concen: 20.296 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

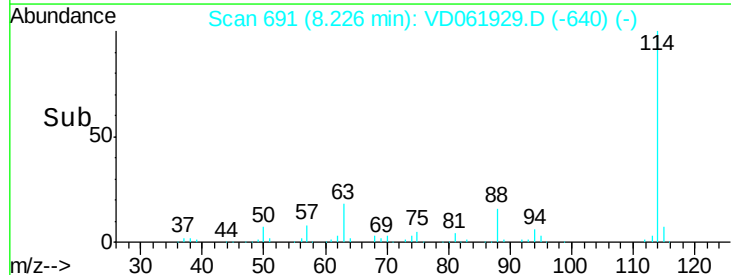
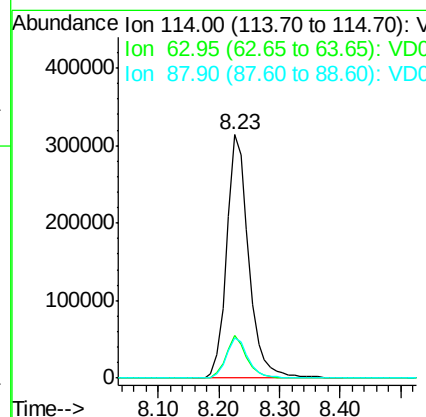
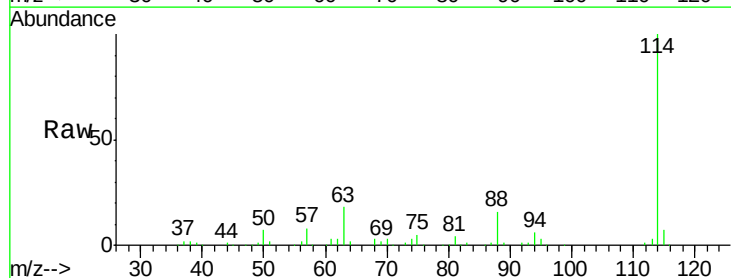
Instrument :
 MSVOA_D
 ClientSampleId :

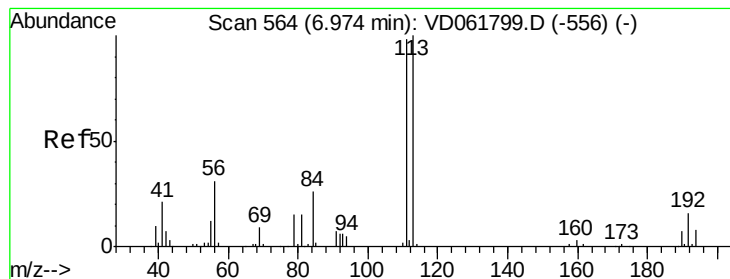
Tot Ion: 65 Resp: 247629
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 114 Resp: 788089
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 32.4
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampled :

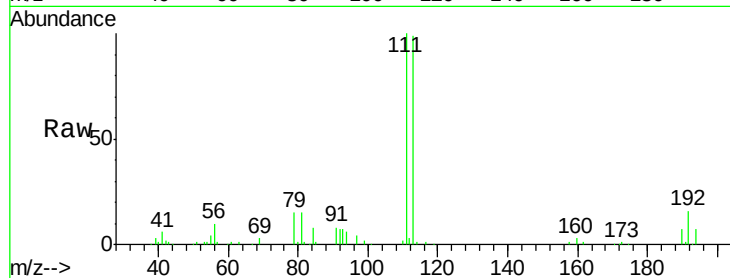
Tot Ion:113 Resp: 337200

Ion Ratio Lower Upper

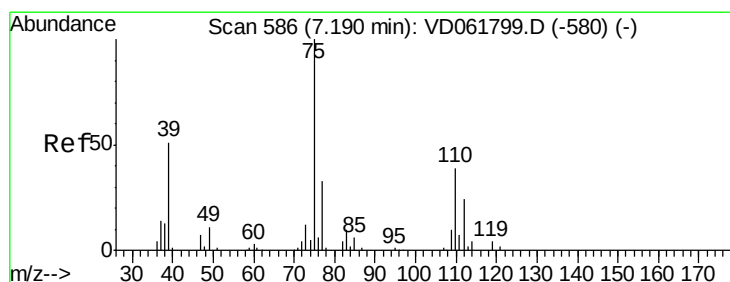
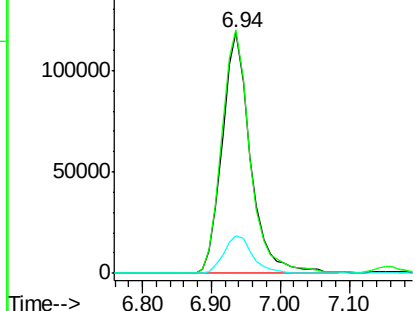
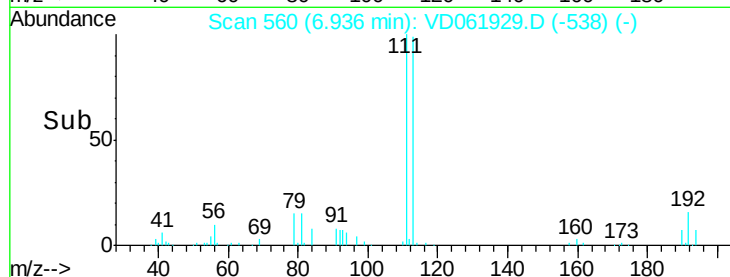
113 100

111 101.2 78.5 117.7

192 15.7 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: 20.465 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

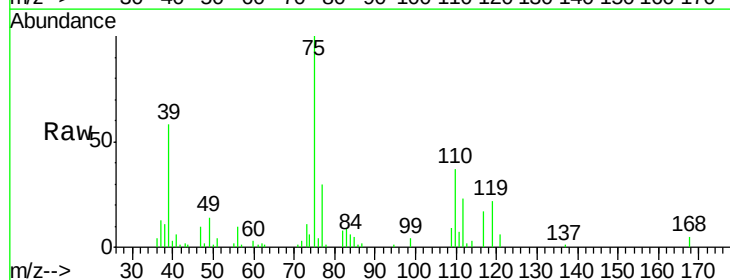
Tgt Ion: 75 Resp: 131794

Ion Ratio Lower Upper

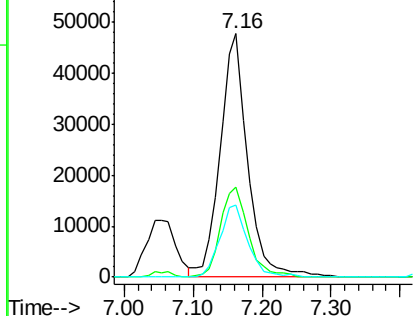
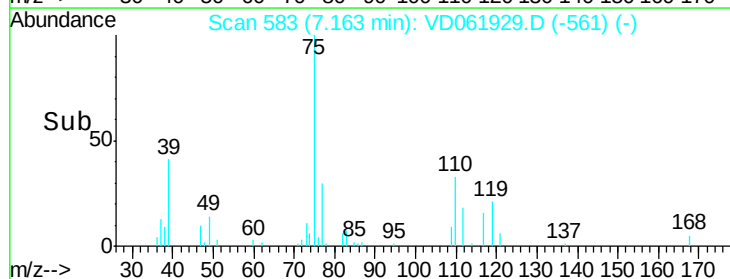
75 100

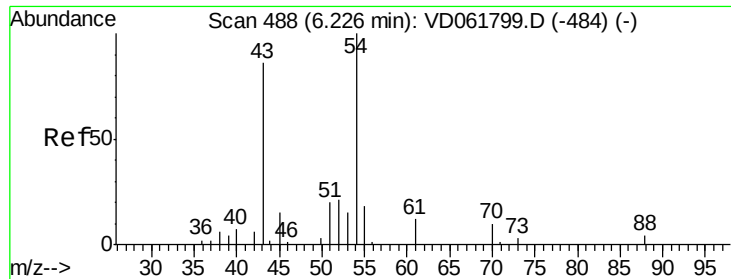
110 36.8 19.1 57.1

77 29.8 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

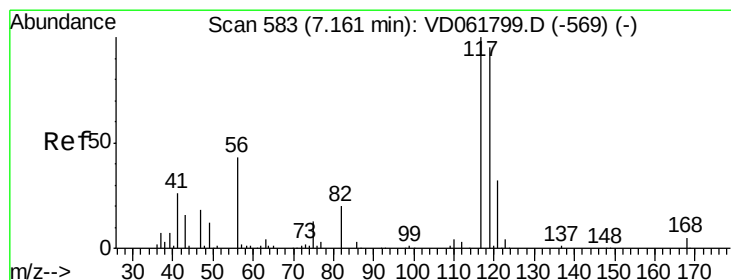
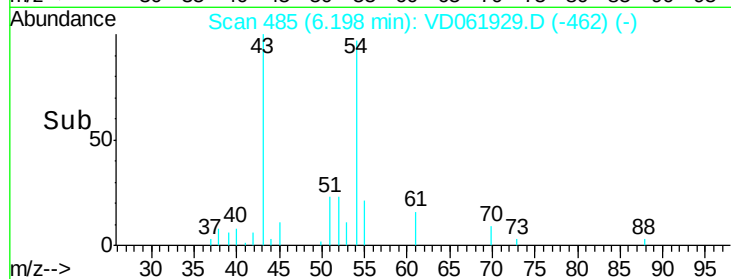
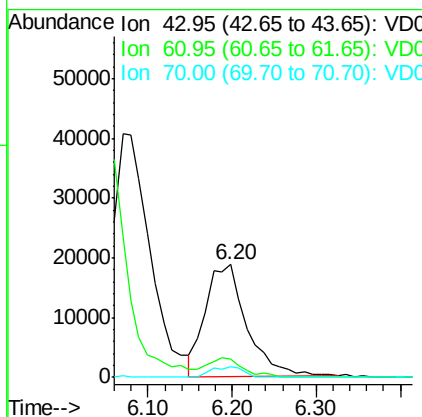
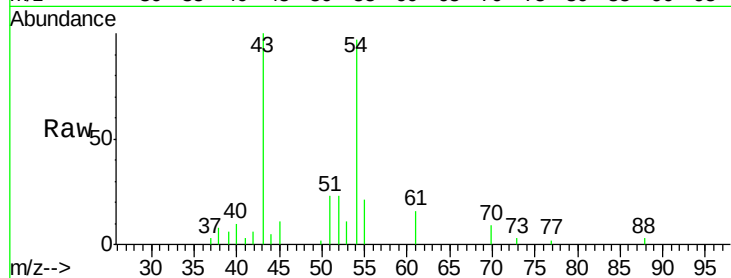




#37
Ethyl Acetate
Concen: 22.744 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

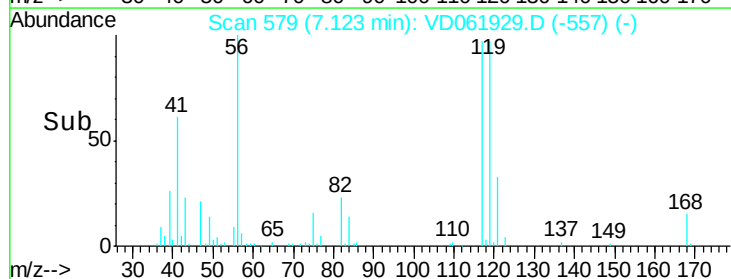
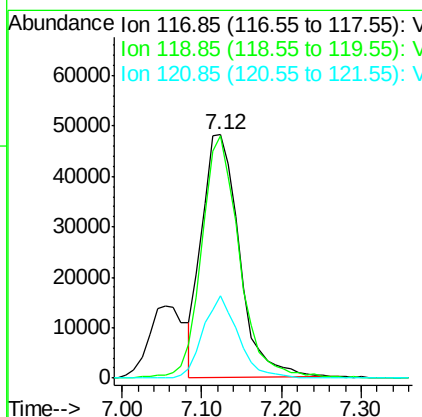
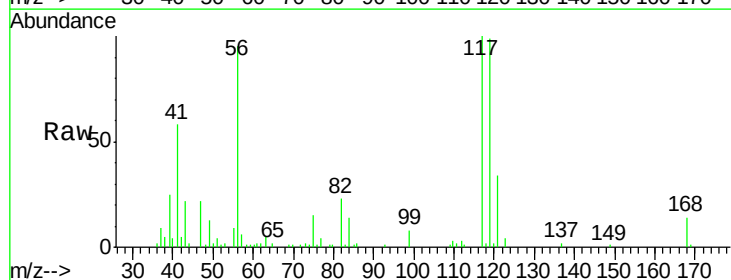
Instrument :
MSVOA_D
ClientSampled :

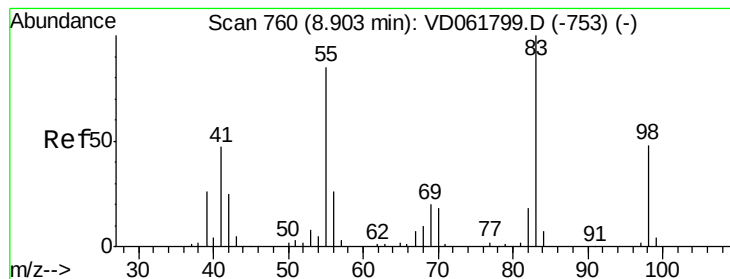
Tot Ion: 43 Resp: 62687
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.338 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 117 Resp: 157250
Ion Ratio Lower Upper
117 100
119 99.5 75.8 113.8
121 33.8 25.9 38.9





#39

Methylvlcyclohexane

Concen: 19.238 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

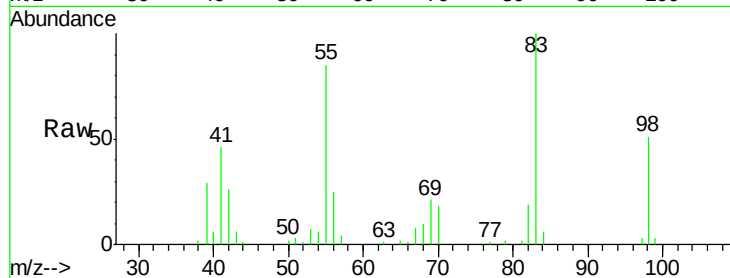
Tot Ion: 83 Resp: 128651

Ion Ratio Lower Upper

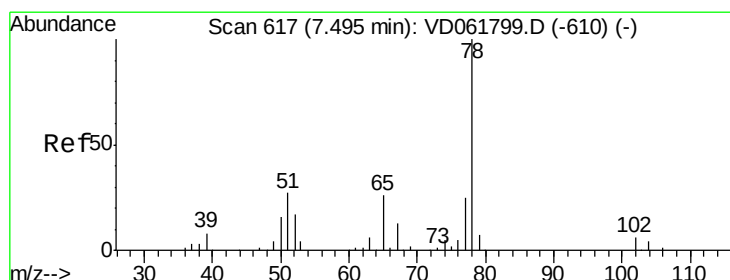
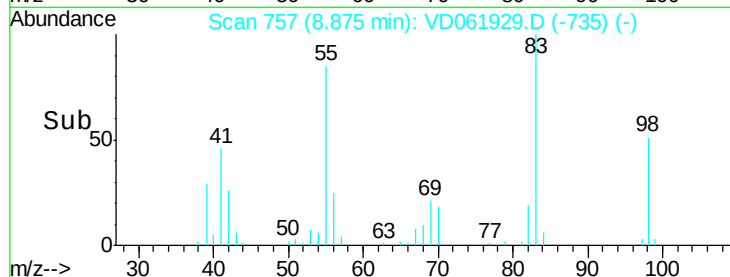
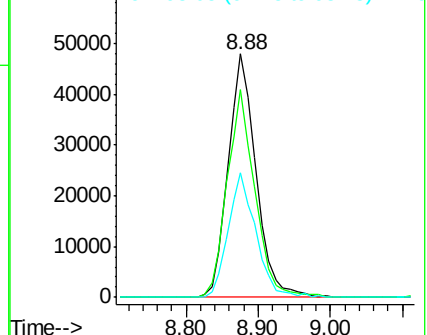
83 100

55 85.5 68.2 102.4

98 51.4 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: 22.674 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061929.D

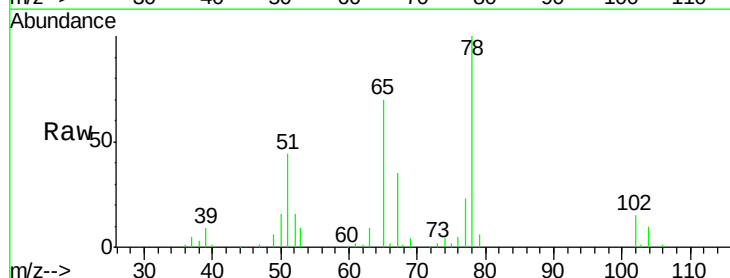
Acq: 20 Apr 2019 4:00

Tgt Ion: 78 Resp: 350556

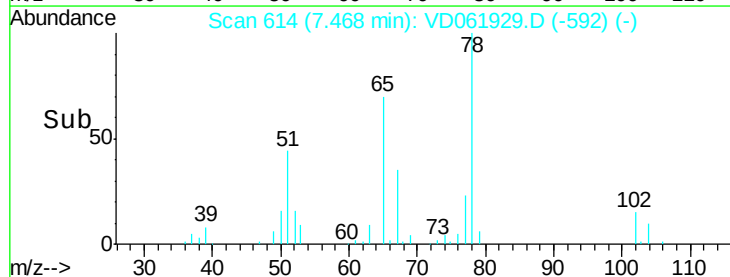
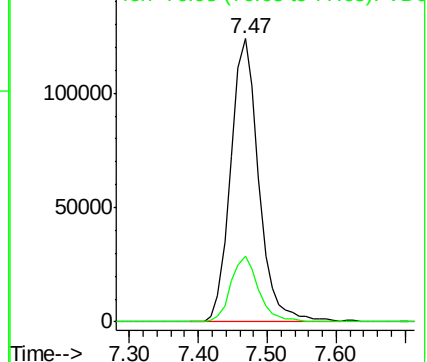
Ion Ratio Lower Upper

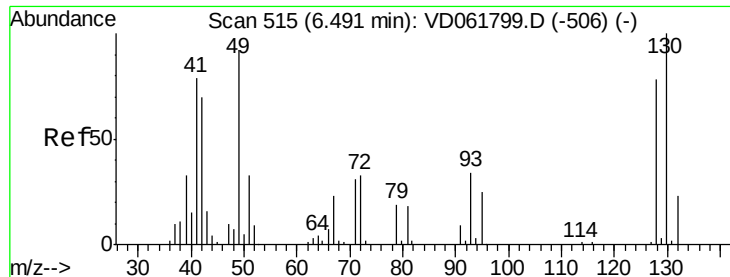
78 100

77 23.1 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: 24.695 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 80450

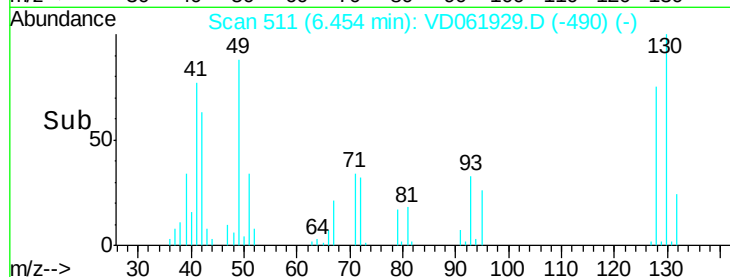
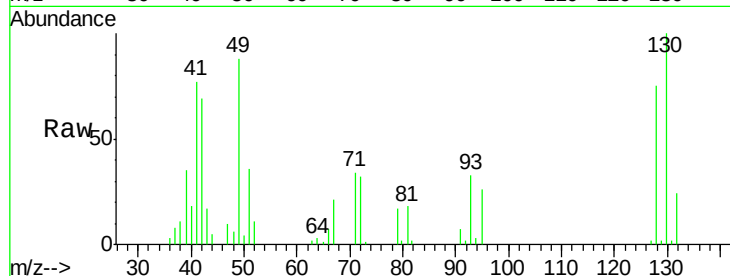
Ion Ratio Lower Upper

41 100

39 45.4 34.1 51.1

67 27.8 23.8 35.6

52 13.7 8.8 13.2#

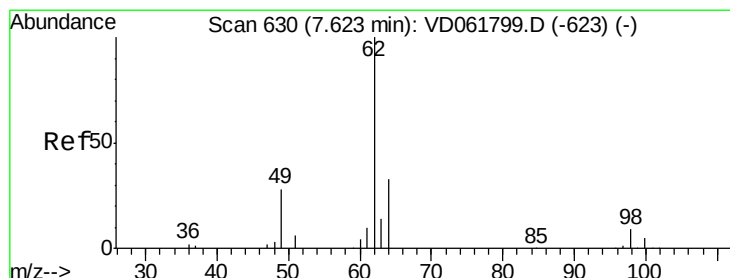
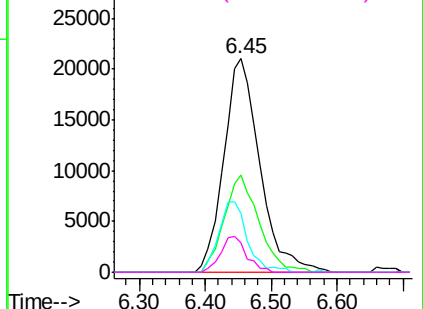


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.500 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061929.D

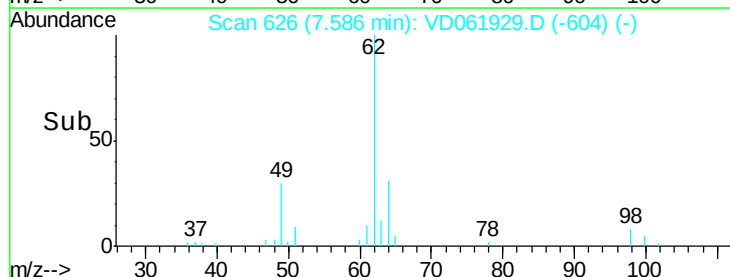
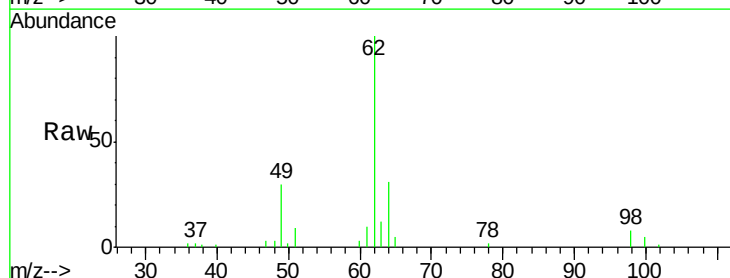
Acq: 20 Apr 2019 4:00

Tgt Ion: 62 Resp: 121153

Ion Ratio Lower Upper

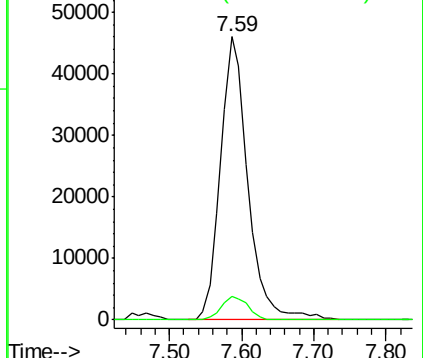
62 100

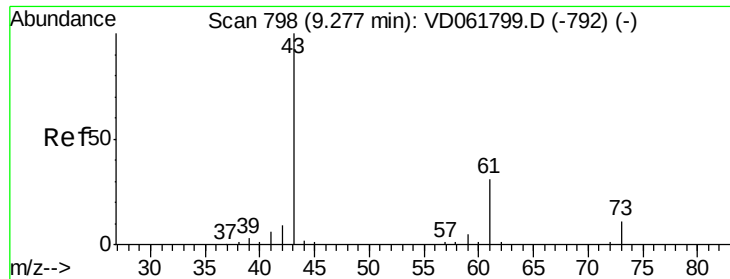
98 8.4 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

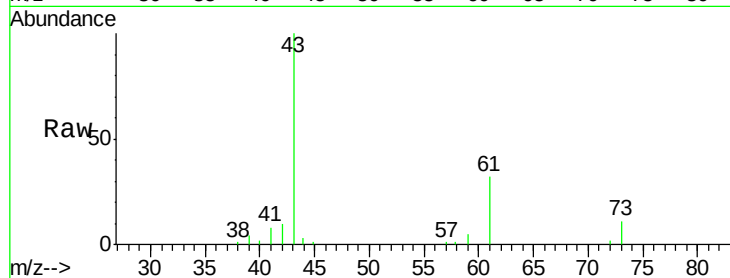




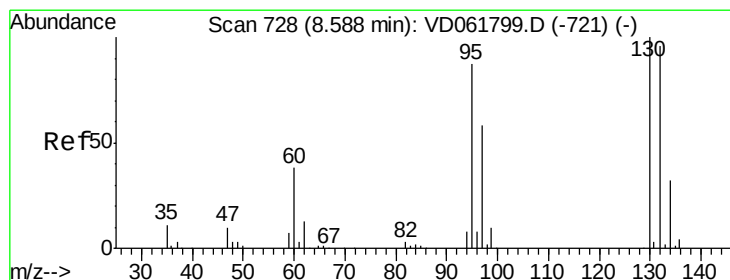
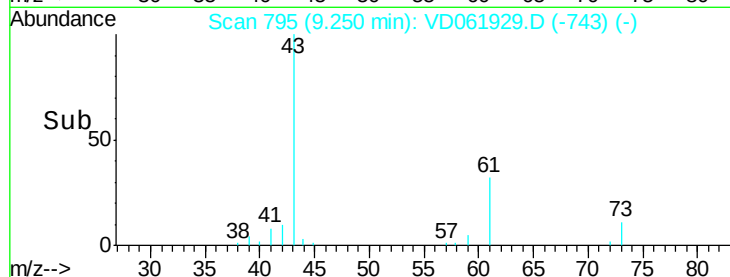
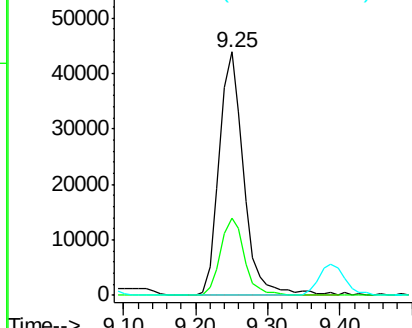
#43
Isopropyl Acetate
Concen: 26.682 ug/l
RT: 9.25 min Scan# 795
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 103490
Ion Ratio Lower Upper
43 100
61 31.9 25.1 37.7
87 0.0 0.0 0.0

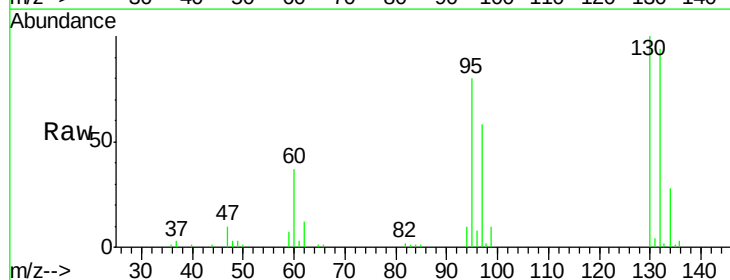


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

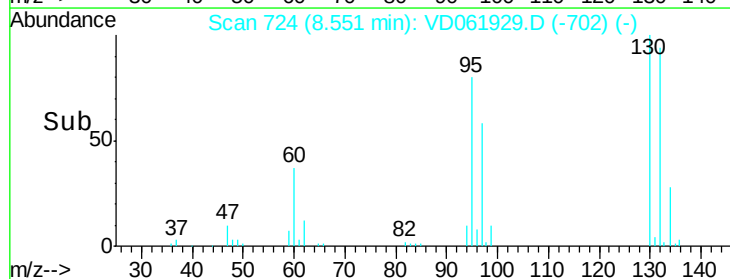
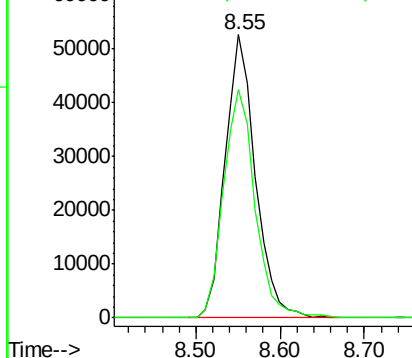


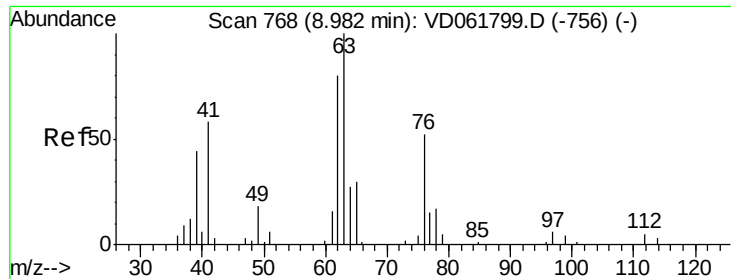
#44
Trichloroethene
Concen: 22.095 ug/l
RT: 8.55 min Scan# 724
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:130 Resp: 131507
Ion Ratio Lower Upper
130 100
95 80.5 0.0 174.0



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

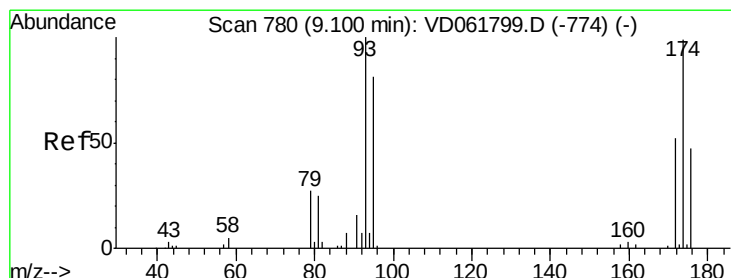
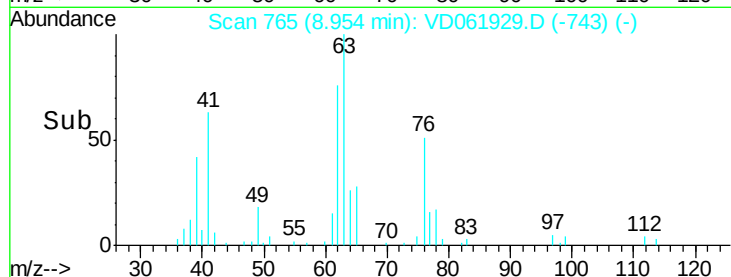
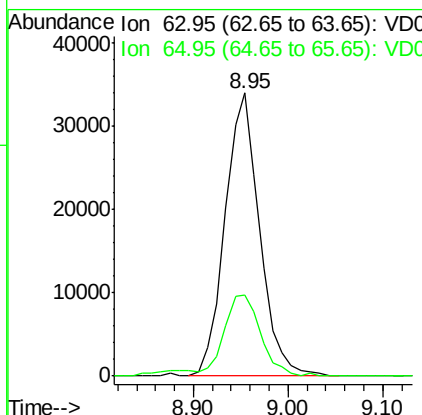
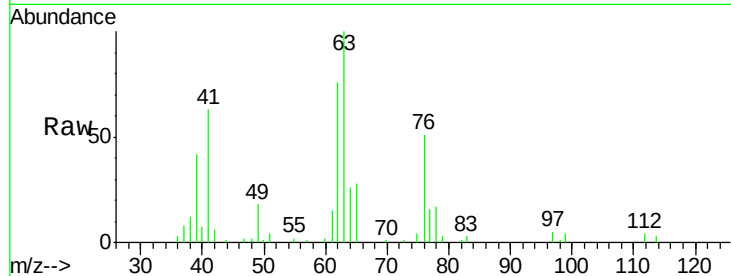




#45
 1,2-Dichloropropane
 Concen: 21.330 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

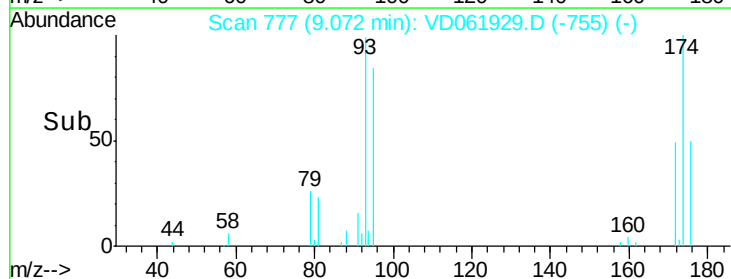
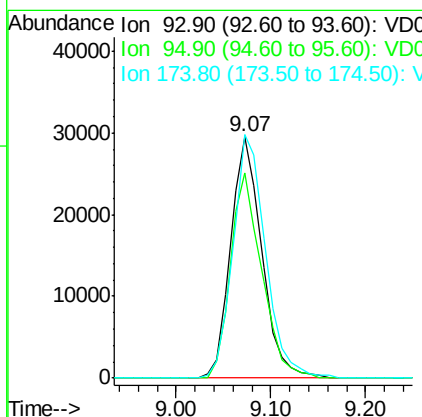
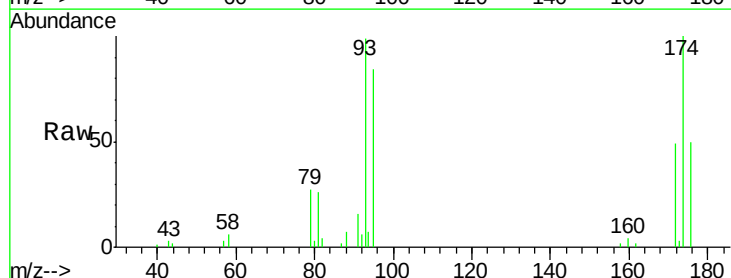
Instrument :
 MSVOA_D
 ClientSampleId :

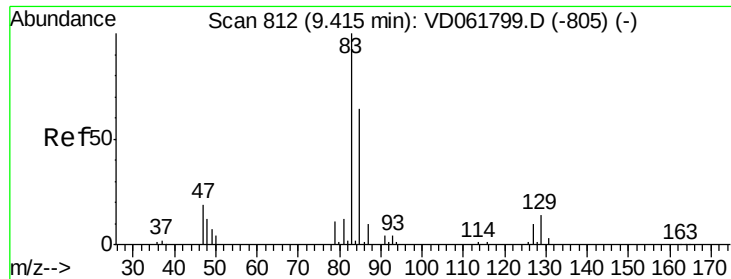
Tot Ion: 63 Resp: 85901
 Ion Ratio Lower Upper
 63 100
 65 28.5 23.8 35.6



#46
 Dibromomethane
 Concen: 23.323 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 93 Resp: 66925
 Ion Ratio Lower Upper
 93 100
 95 84.9 64.8 97.2
 174 100.9 79.3 118.9





#47

Bromodichloromethane

Concen: 21.106 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

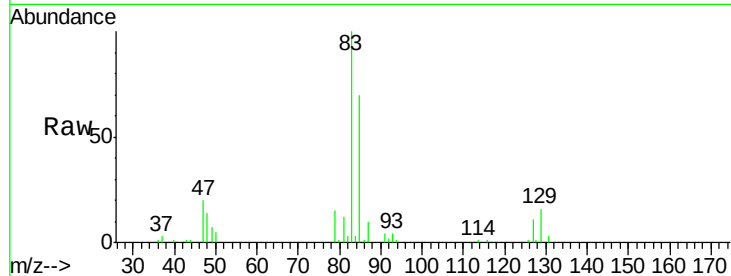
Tot Ion: 83 Resp: 139723

Ion Ratio Lower Upper

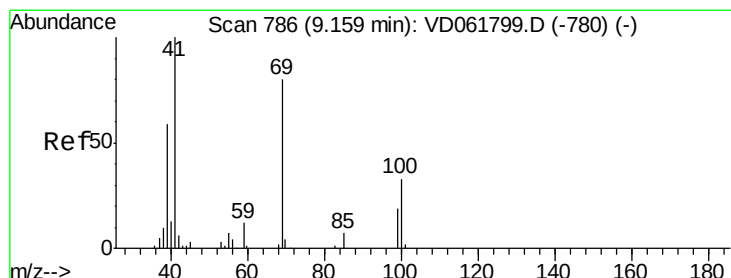
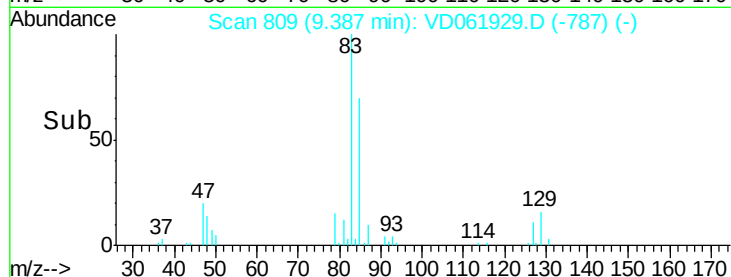
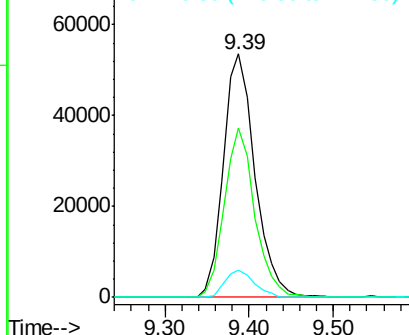
83 100

85 69.5 50.9 76.3

127 11.2 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: 25.627 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

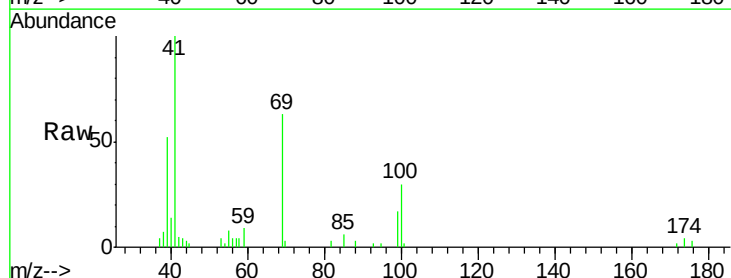
Tgt Ion: 41 Resp: 58428

Ion Ratio Lower Upper

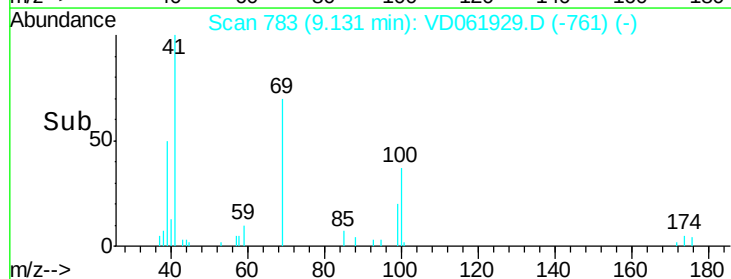
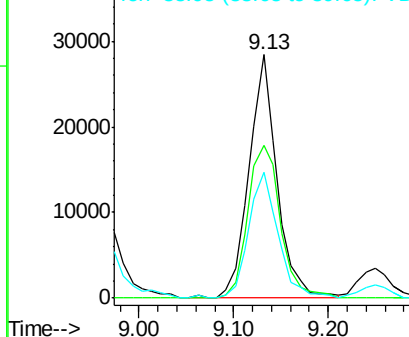
41 100

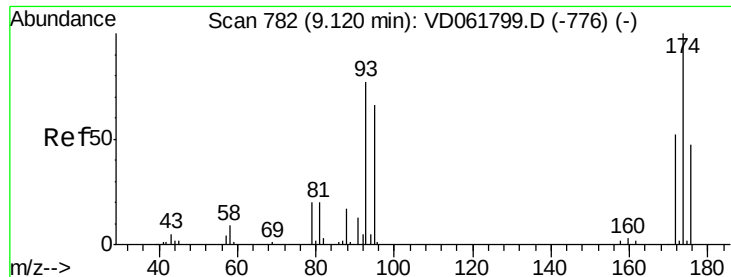
69 62.8 64.2 96.2#

39 51.9 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: 461.394 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampleId :

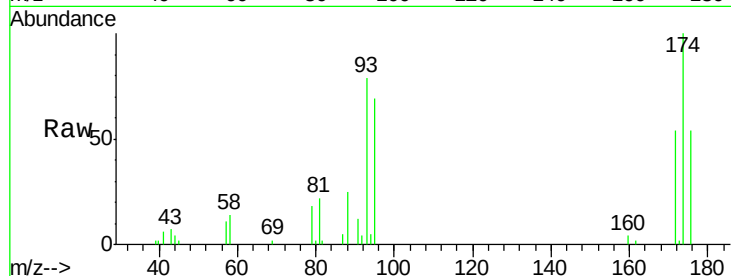
Tot Ion: 88 Resp: 11498

Ion Ratio Lower Upper

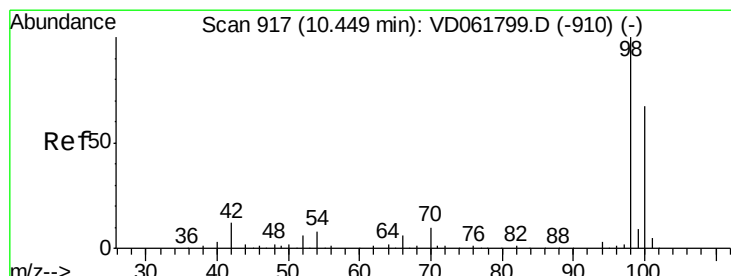
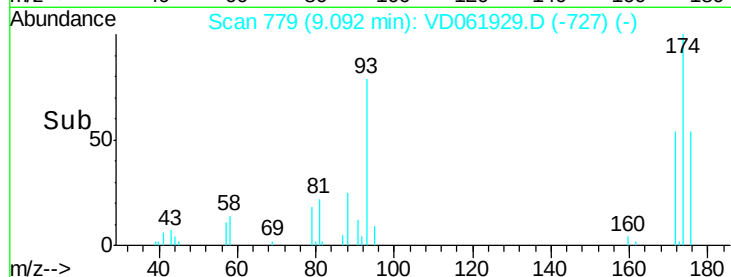
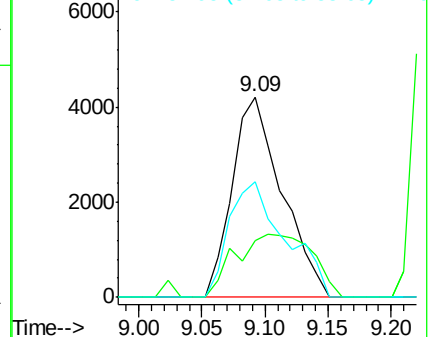
88 100

43 28.2 23.4 35.0

58 57.8 44.0 66.0



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



#50

Toluene-d8

Concen: 461.394 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061929.D

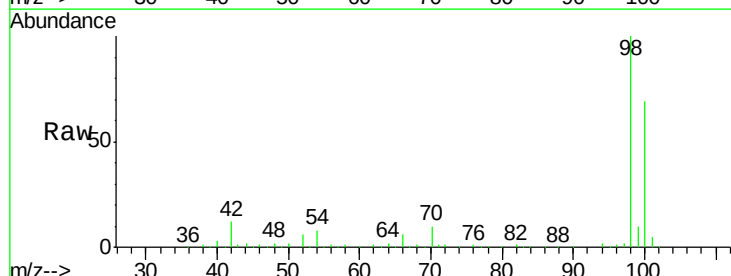
Acq: 20 Apr 2019 4:00

Tgt Ion: 98 Resp: 787887

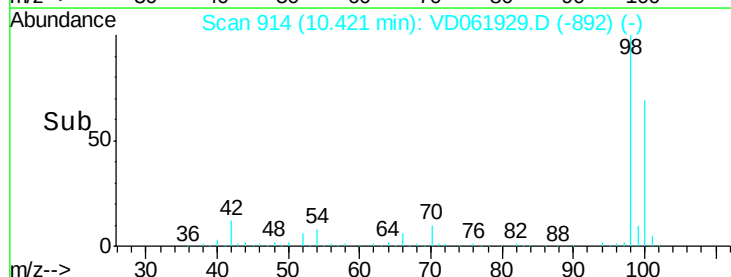
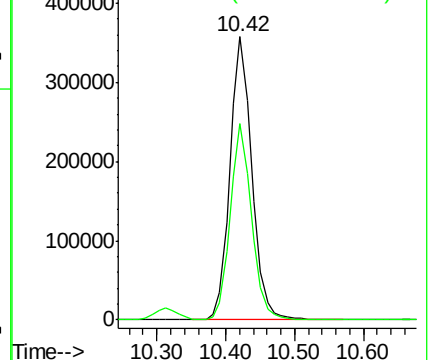
Ion Ratio Lower Upper

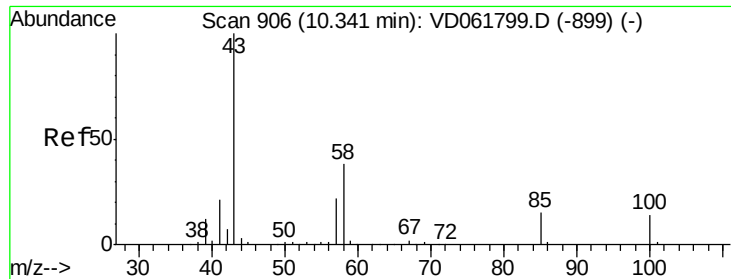
98 100

100 69.3 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 125.372 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

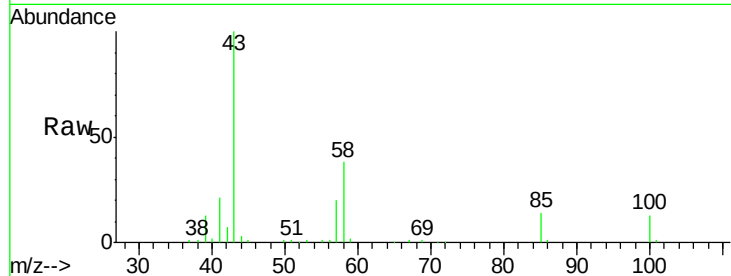
ClientSampleID :

Tot Ion: 43 Resp: 297377

Ion Ratio Lower Upper

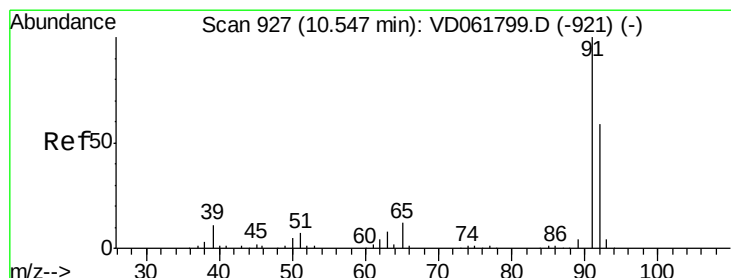
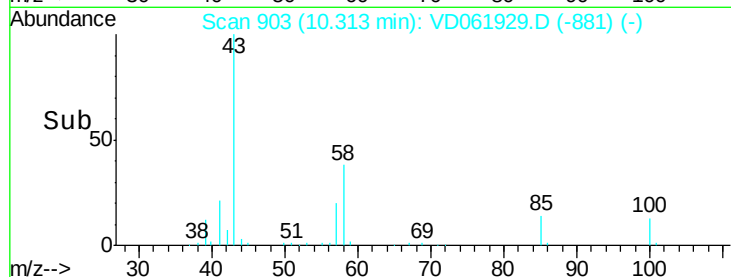
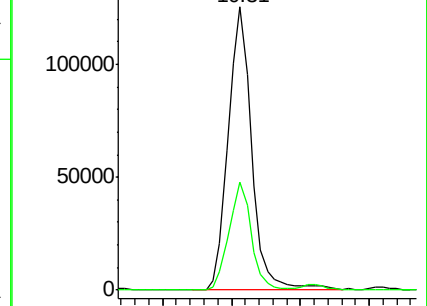
43 100

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: 21.197 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061929.D

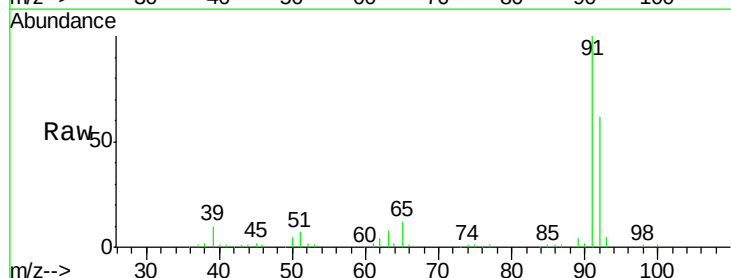
Acq: 20 Apr 2019 4:00

Tgt Ion: 92 Resp: 210016

Ion Ratio Lower Upper

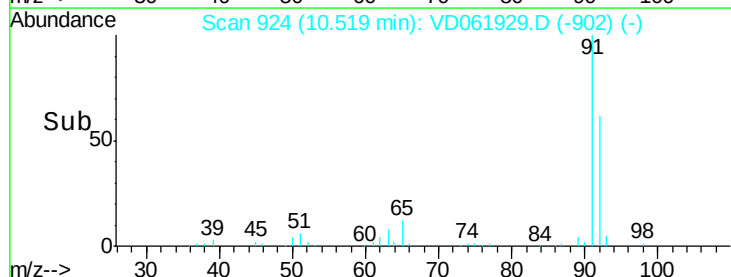
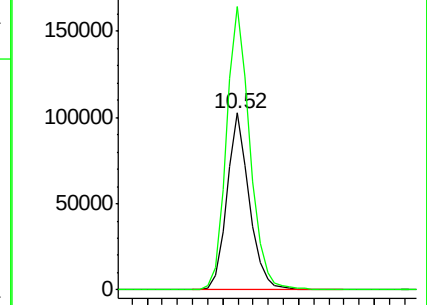
92 100

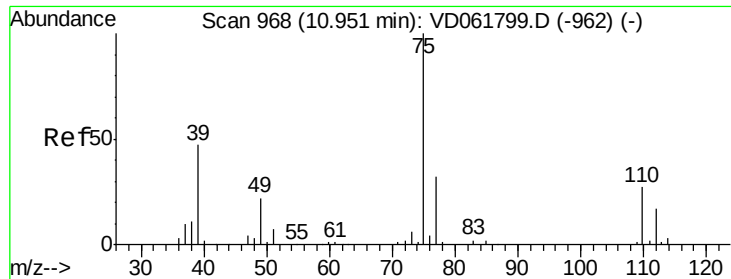
91 160.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

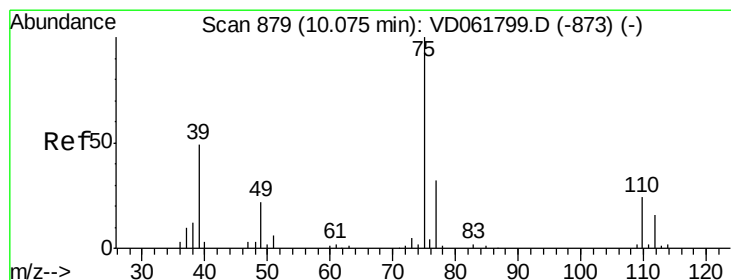
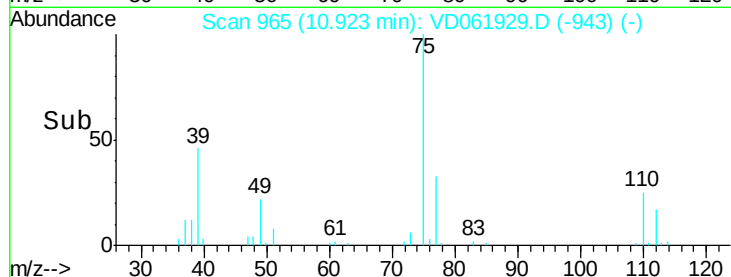
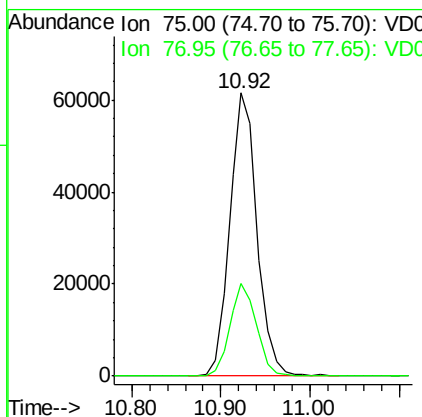
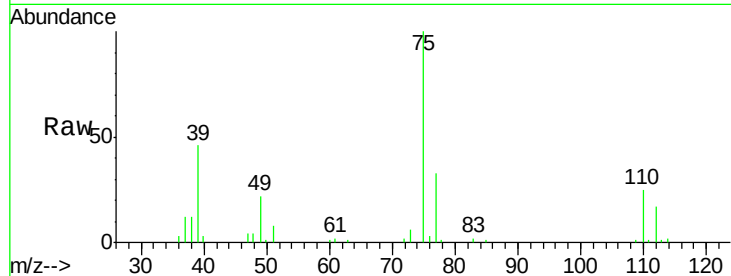




#53
t-1,3-Dichloropropene
Concen: 22.026 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

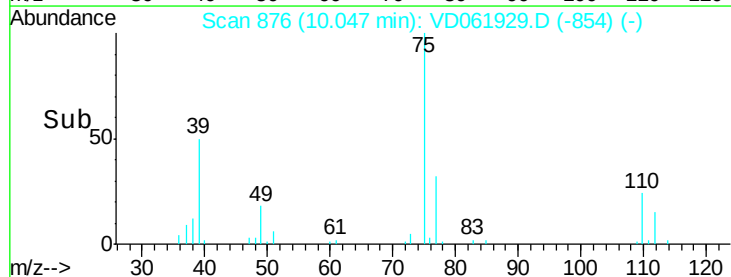
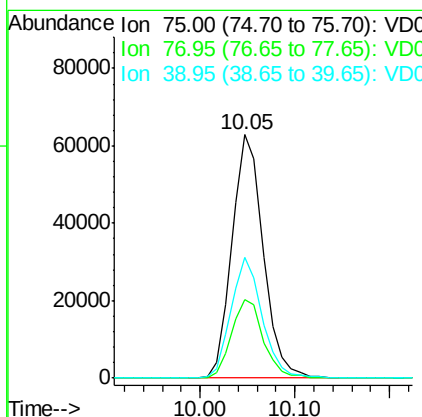
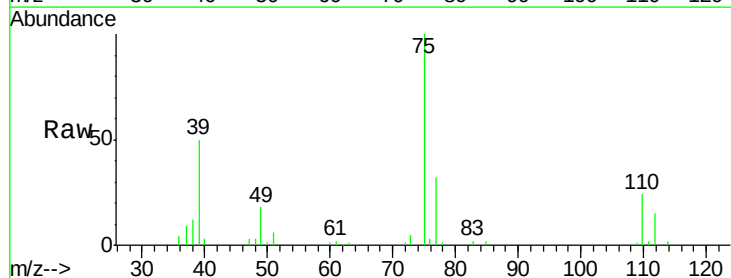
Instrument :
MSVOA_D
ClientSampleId :

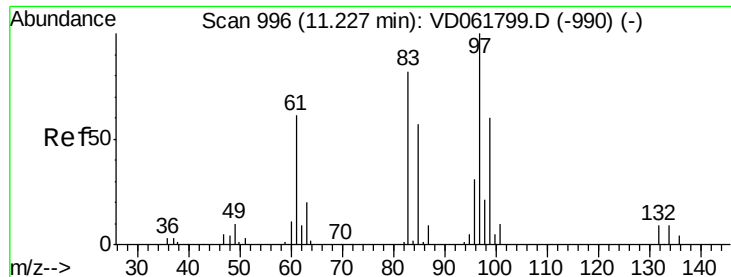
Tot Ion: 75 Resp: 131391
Ion Ratio Lower Upper
75 100
77 32.8 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 20.533 ug/l
RT: 10.05 min Scan# 876
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 75 Resp: 143776
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 49.7 39.4 59.2

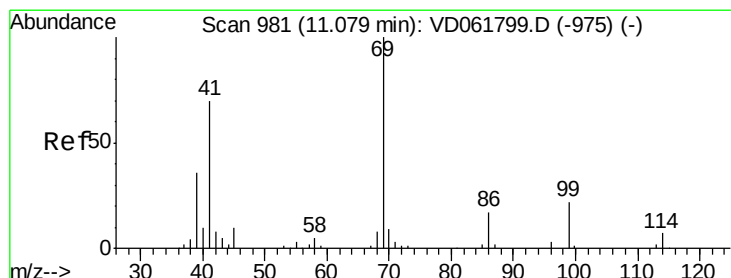
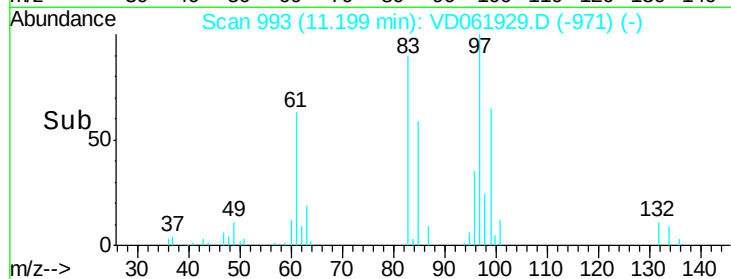
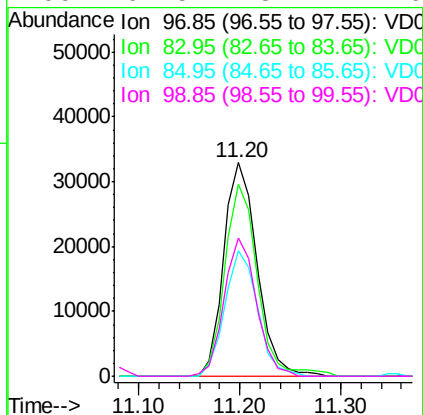
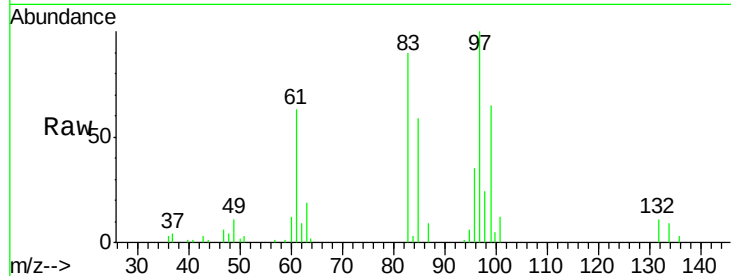




#55
 1,1,2-Trichloroethane
 Concen: 22.645 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

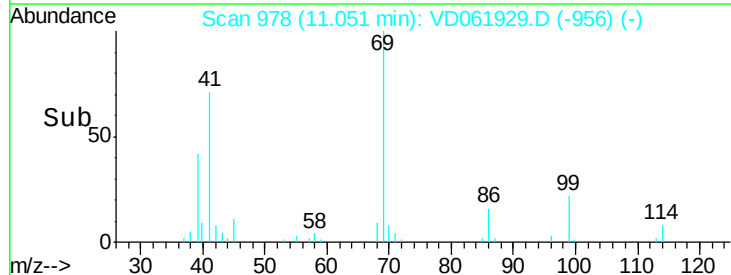
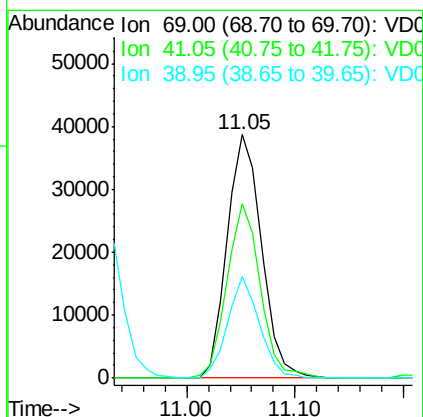
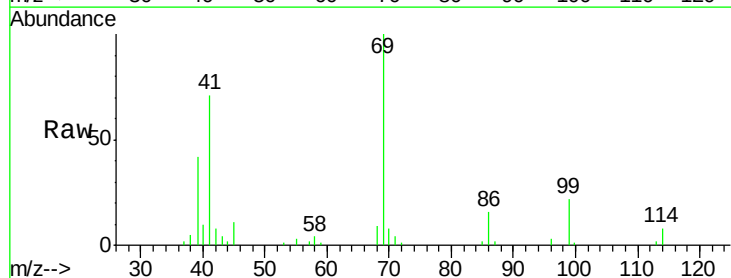
Instrument :
 MSVOA_D
 ClientSampleId :

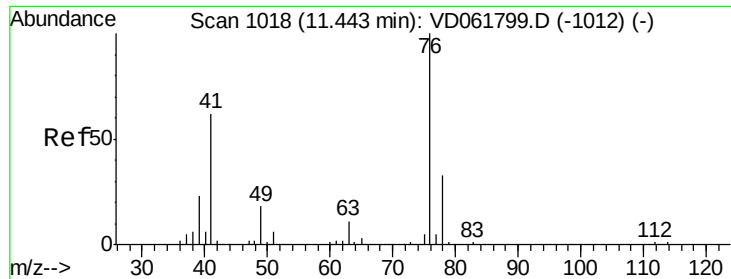
Tot Ion:	97	Resp:	75602
Ion	Ratio	Lower	Upper
97	100		
83	90.1	65.7	98.5
85	58.6	45.6	68.4
99	64.5	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 23.327 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion:	69	Resp:	85474
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.3	84.5
39	41.8	29.4	44.2





#57

1,3-Dichloropropane

Concen: 22.876 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

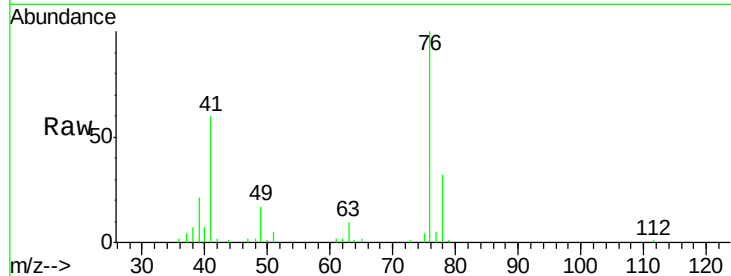
ClientSampled :

Tot Ion: 76 Resp: 114817

Ion Ratio Lower Upper

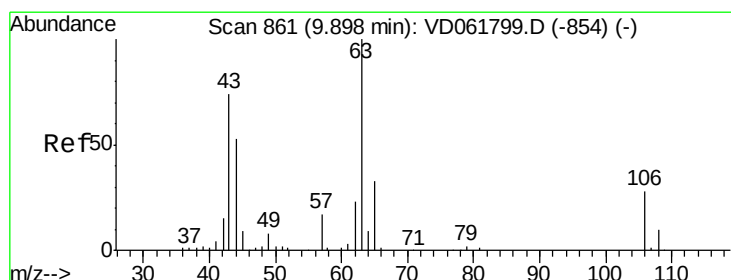
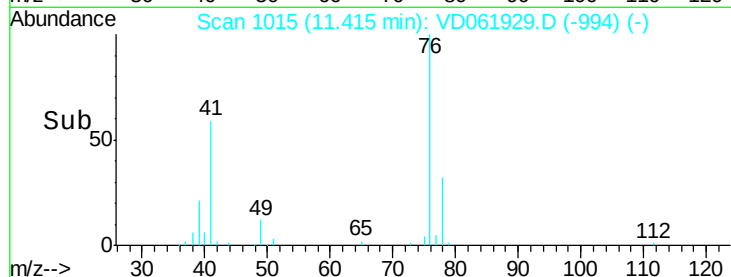
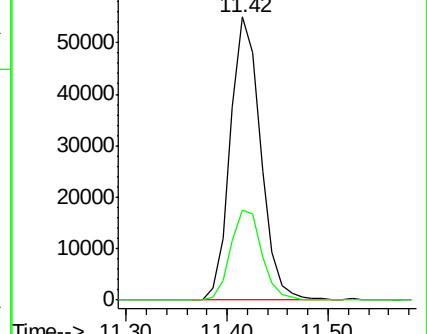
76 100

78 31.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 132.659 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD061929.D

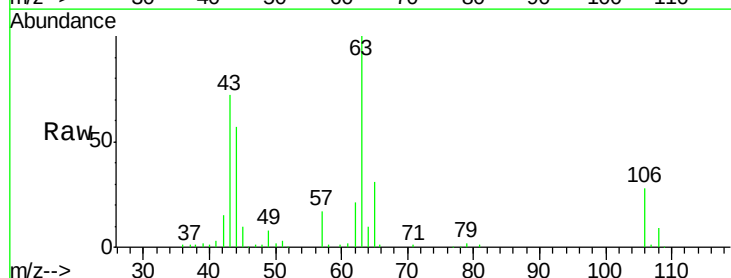
Acq: 20 Apr 2019 4:00

Tgt Ion: 63 Resp: 231206

Ion Ratio Lower Upper

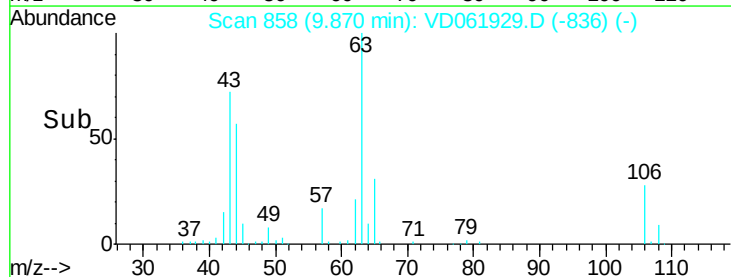
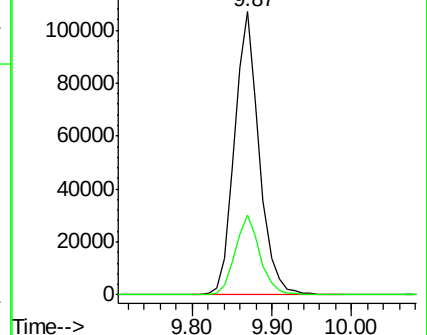
63 100

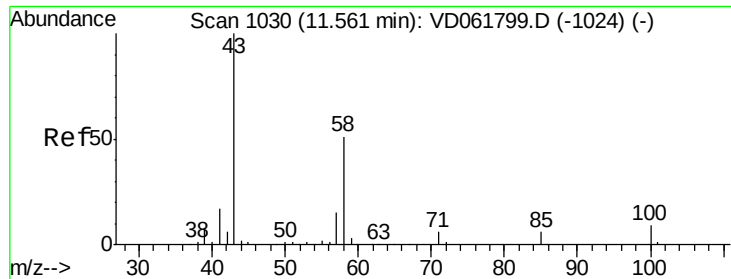
106 28.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

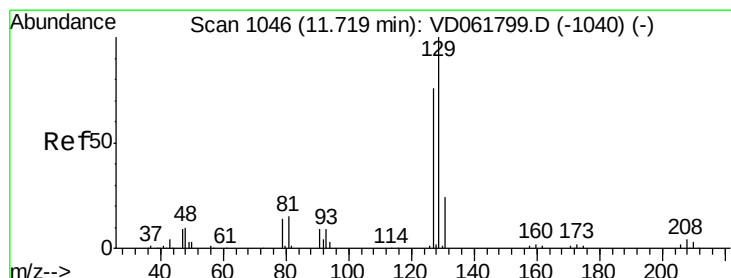
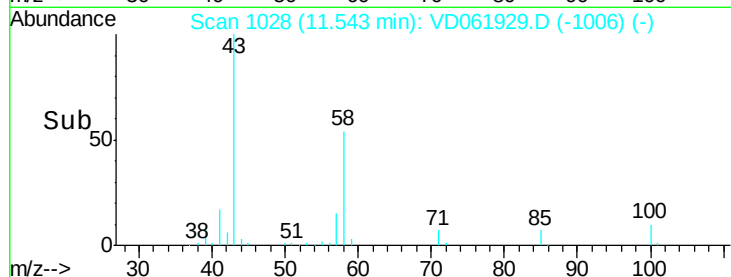
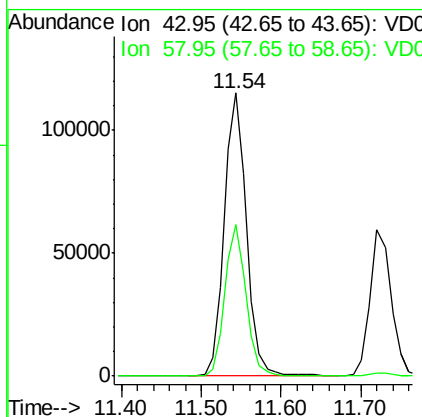
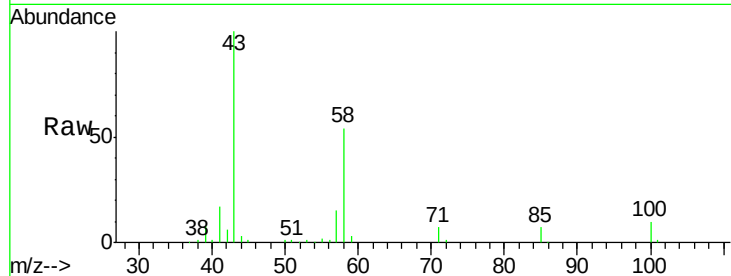




#59
2-Hexanone
Concen: 128.446 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

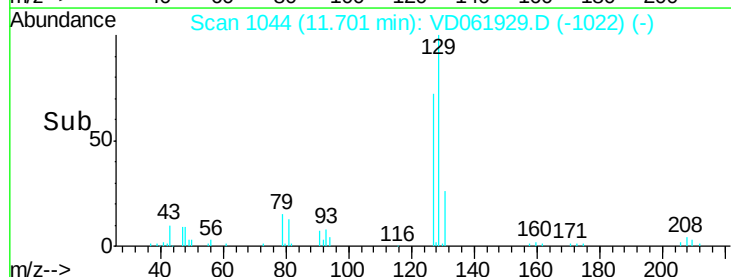
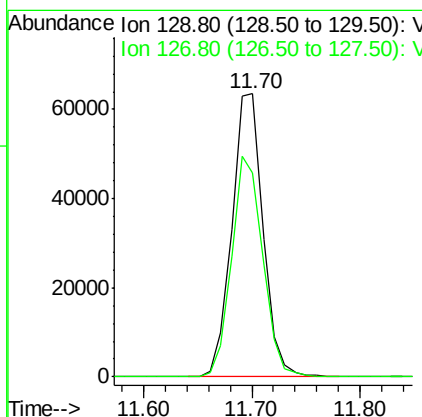
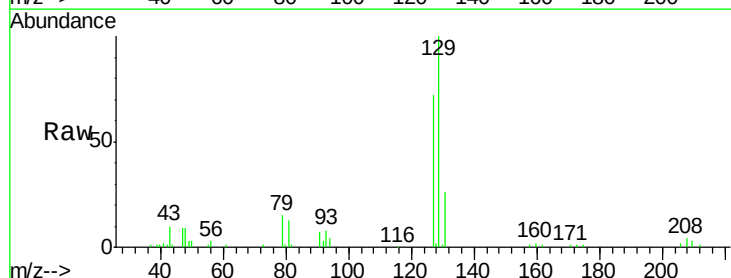
Instrument :
MSVOA_D
ClientSampleId :

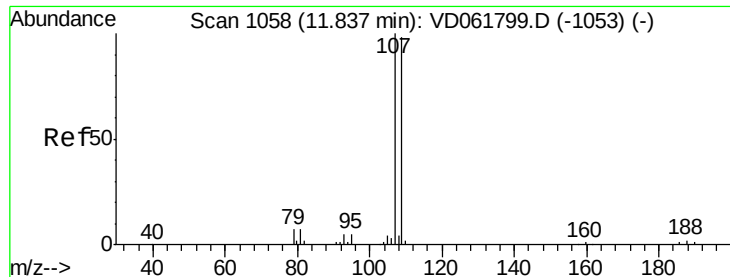
Tot Ion: 43 Resp: 226285
Ion Ratio Lower Upper
43 100
58 53.7 25.4 76.4



#60
Dibromochloromethane
Concen: 23.310 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 129 Resp: 127337
Ion Ratio Lower Upper
129 100
127 72.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 22.659 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

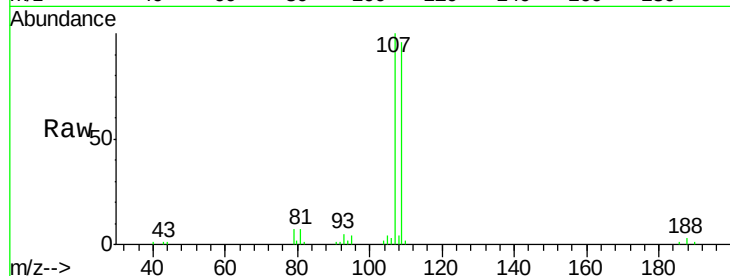
ClientSampleId :

Tot Ion:107 Resp: 93019

Ion Ratio Lower Upper

107 100

109 95.9 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

50000

40000

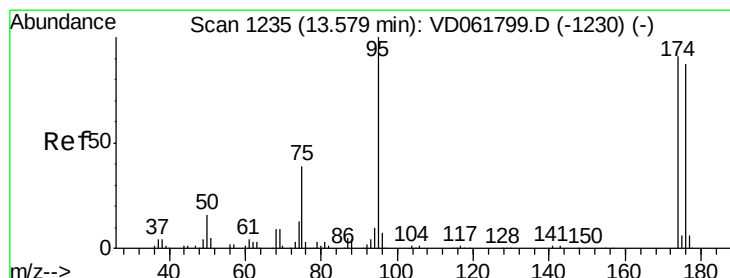
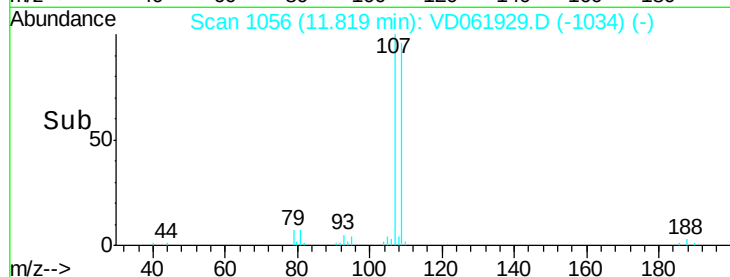
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 22.659 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

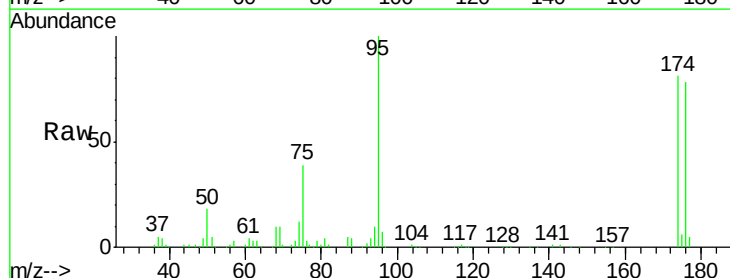
Tgt Ion: 95 Resp: 316264

Ion Ratio Lower Upper

95 100

174 80.8 0.0 181.8

176 77.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

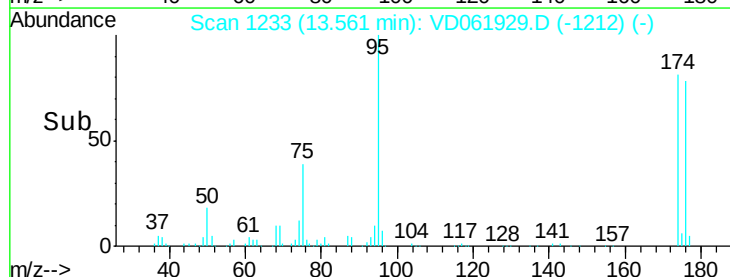
150000

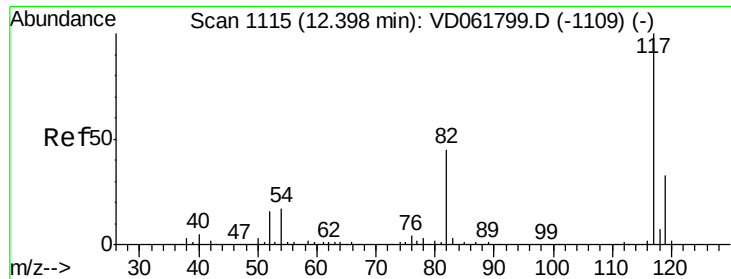
100000

50000

0

Time--> 13.50 13.60

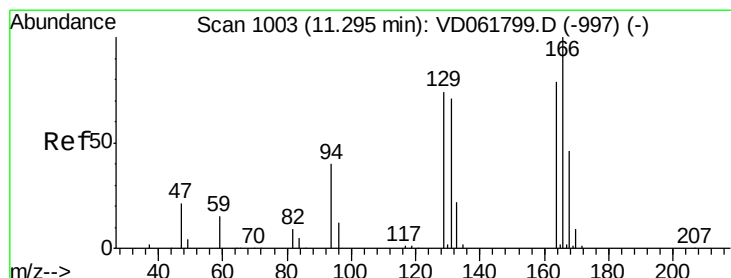
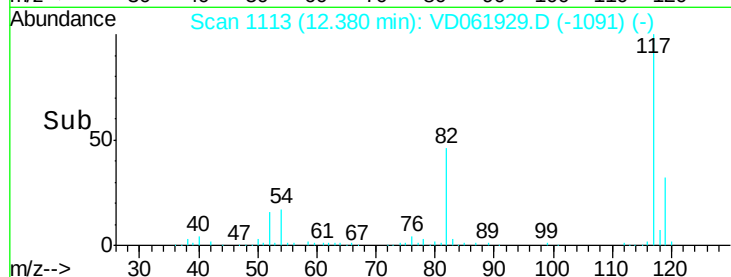
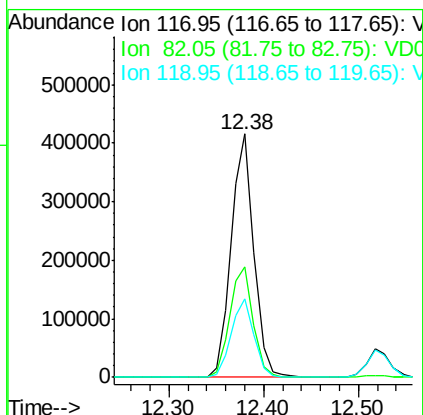
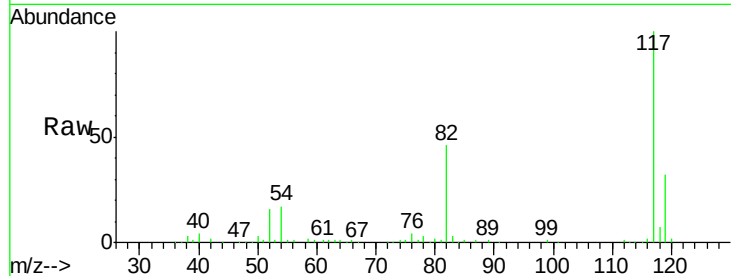




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

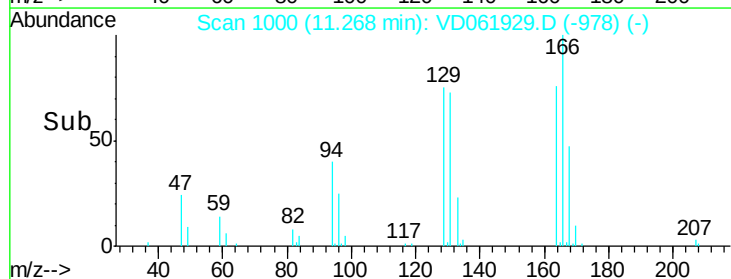
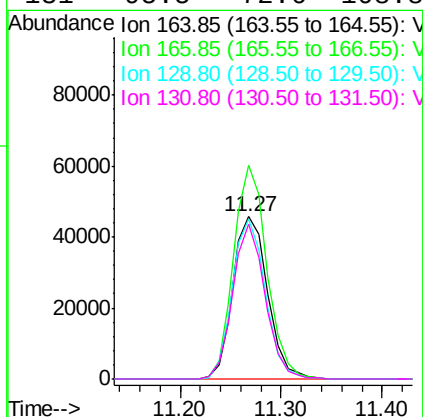
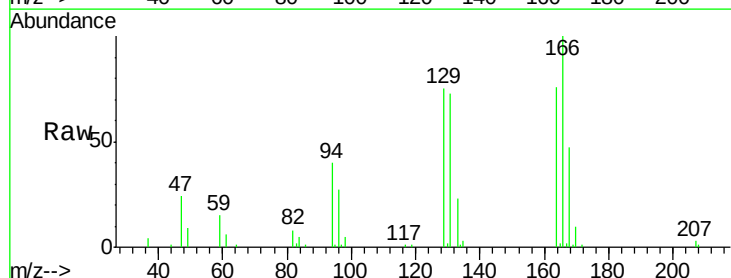
Instrument :
MSVOA_D
ClientSampled :

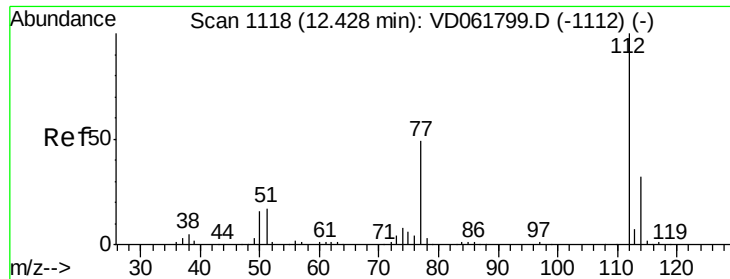
Tot Ion:117 Resp: 687370
Ion Ratio Lower Upper
117 100
82 45.6 36.2 54.2
119 32.4 26.2 39.4



#64
Tetrachloroethene
Concen: 21.211 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:164 Resp: 109345
Ion Ratio Lower Upper
164 100
166 131.5 101.5 152.3
129 98.9 74.6 112.0
131 95.5 72.6 108.8

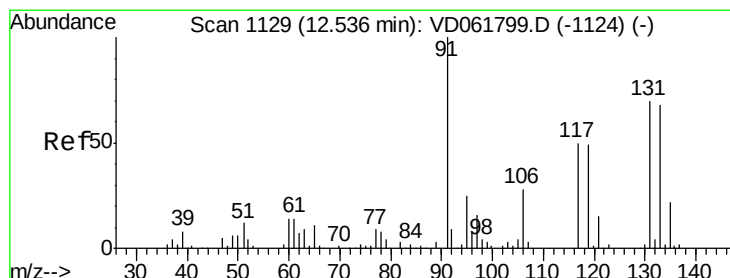
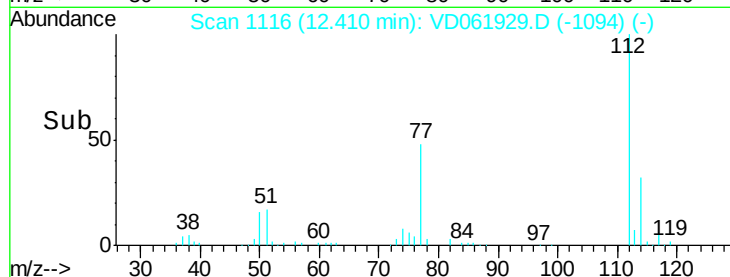
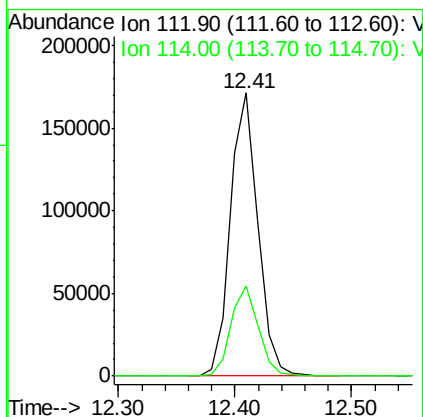
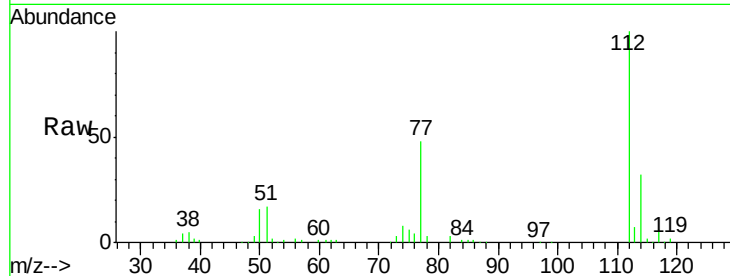




#65
Chlorobenzene
Concen: 21.825 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

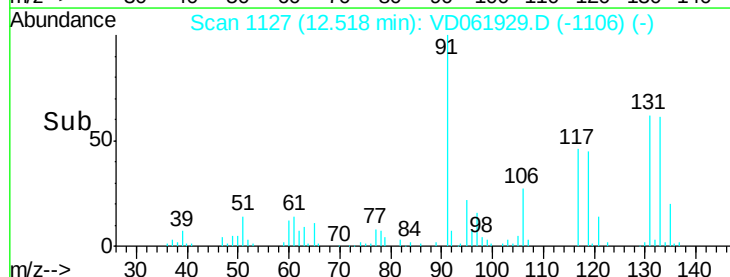
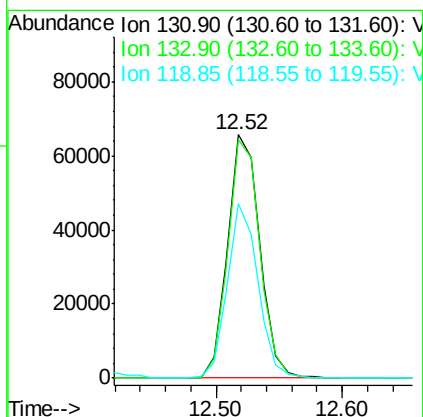
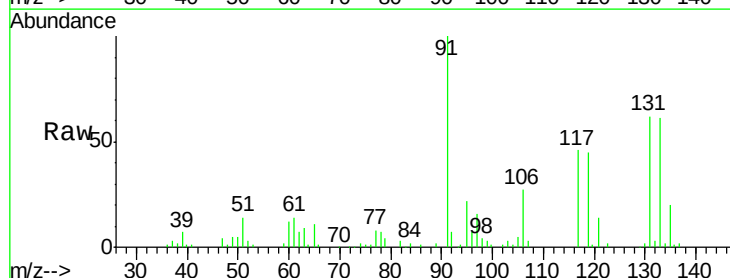
Instrument :
MSVOA_D
ClientSampleId :

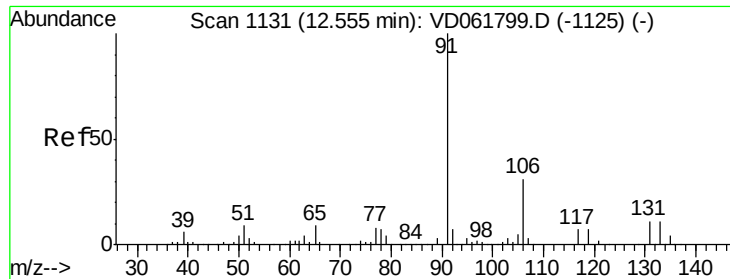
Tot Ion:112 Resp: 279392
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.420 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:131 Resp: 114908
Ion Ratio Lower Upper
131 100
133 97.8 48.6 145.8
119 71.9 34.7 104.1

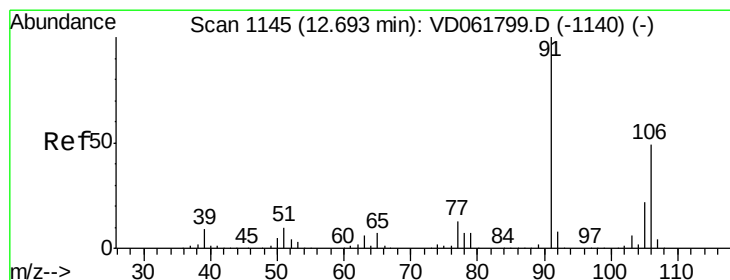
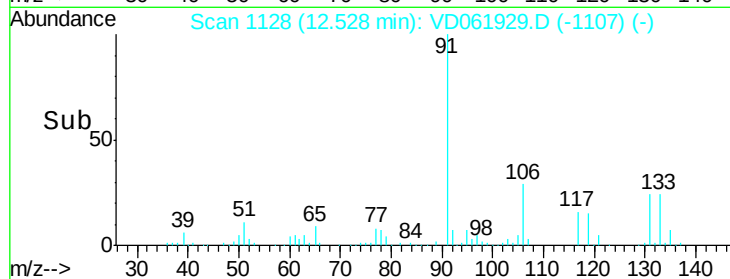
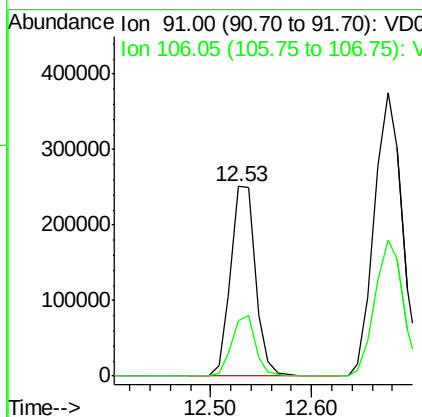
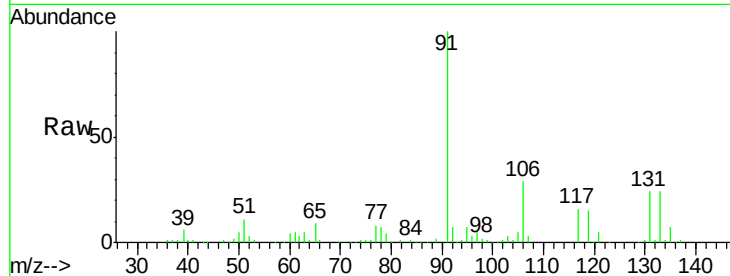




#67
Ethyl Benzene
Concen: 21.013 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

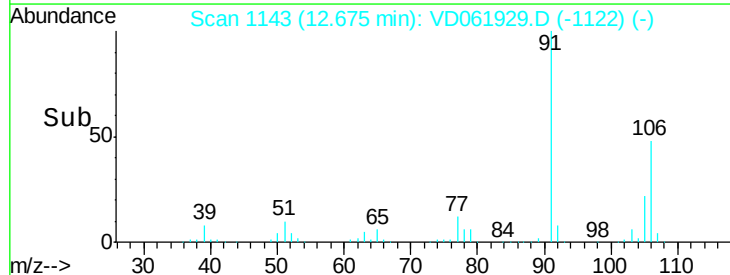
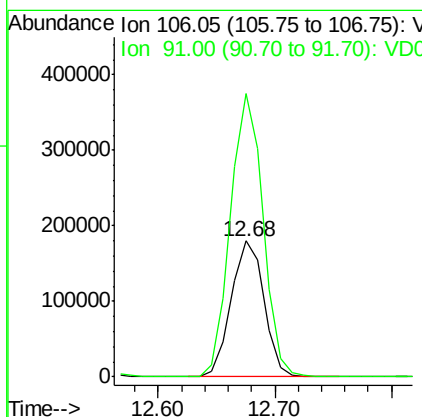
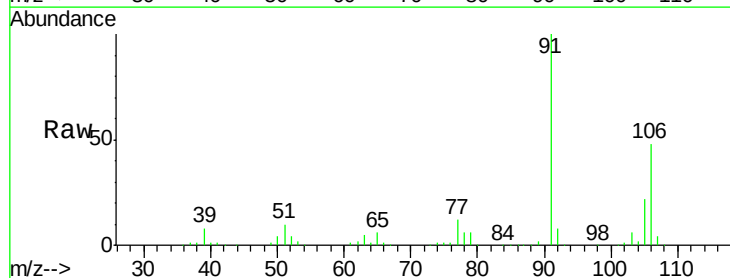
Instrument :
MSVOA_D
ClientSampleId :

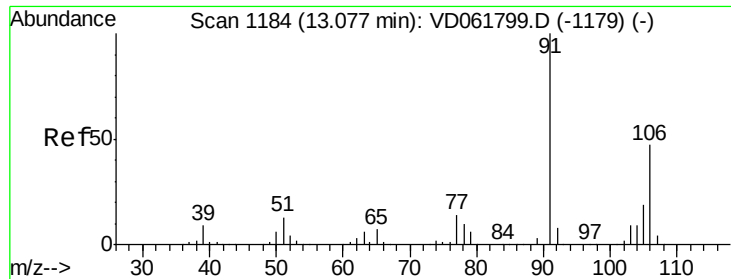
Tot Ion: 91 Resp: 430763
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1



#68
m/p-Xylenes
Concen: 45.579 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:106 Resp: 350981
Ion Ratio Lower Upper
106 100
91 208.4 164.0 246.0

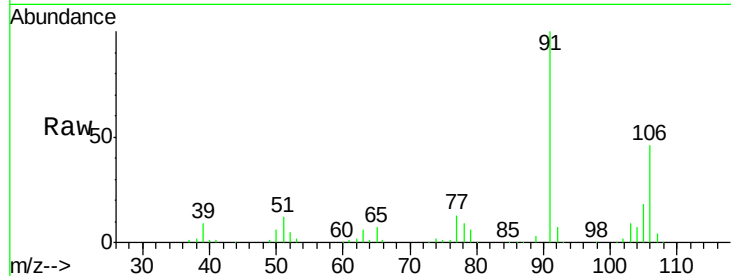




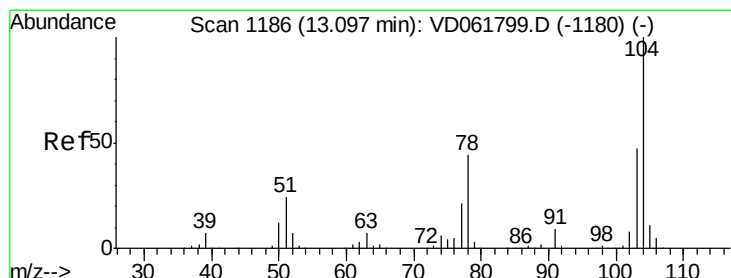
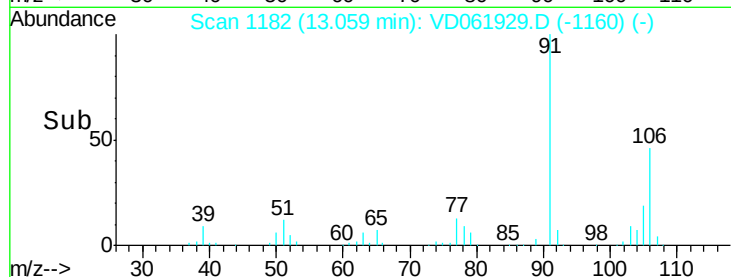
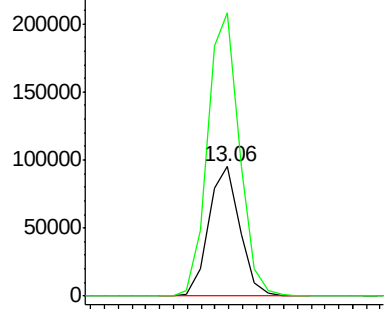
#69
o-Xylene
Concen: 20.744 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 150141
Ion Ratio Lower Upper
106 100
91 218.5 106.7 319.9

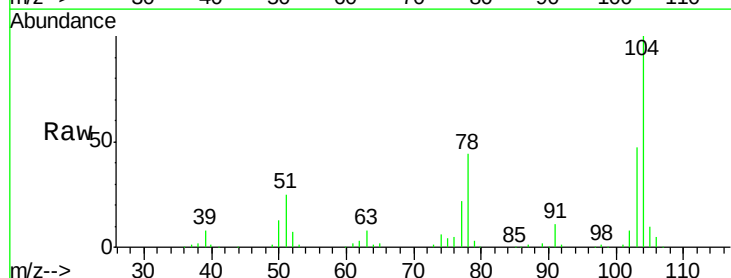


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

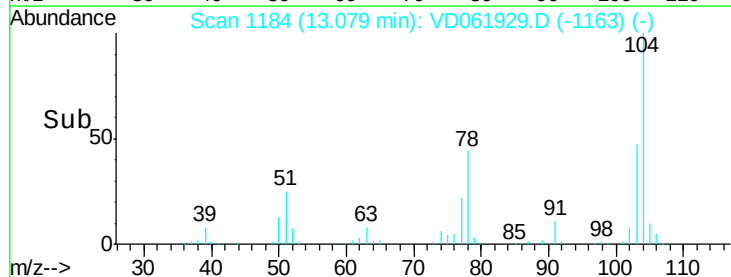
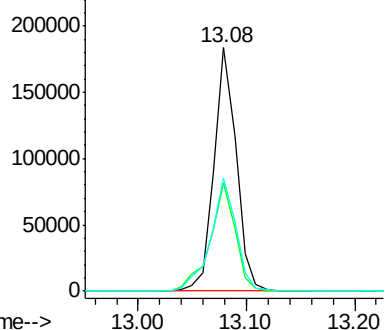


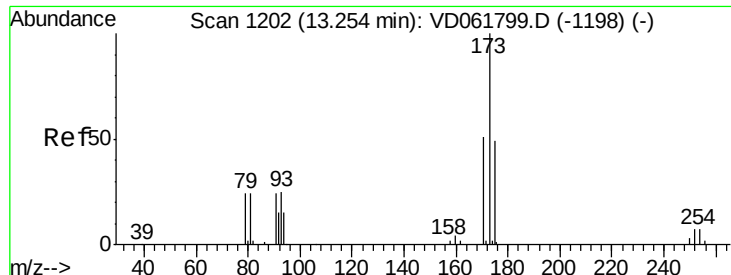
#70
Styrene
Concen: 21.106 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:104 Resp: 262880
Ion Ratio Lower Upper
104 100
78 44.3 35.4 53.2
103 46.5 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: 23.425 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

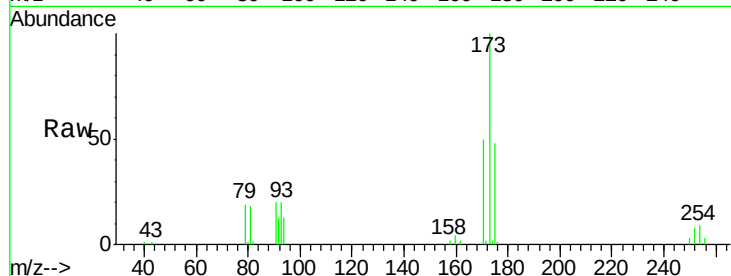
Tot Ion:173 Resp: 74591

Ion Ratio Lower Upper

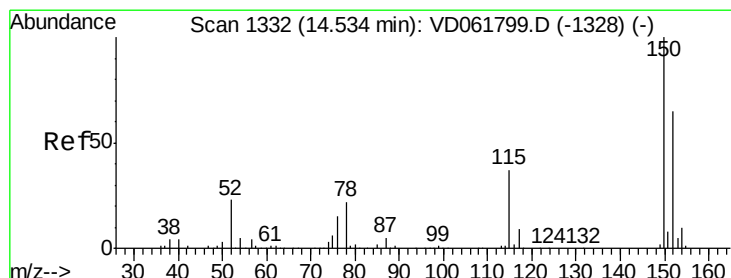
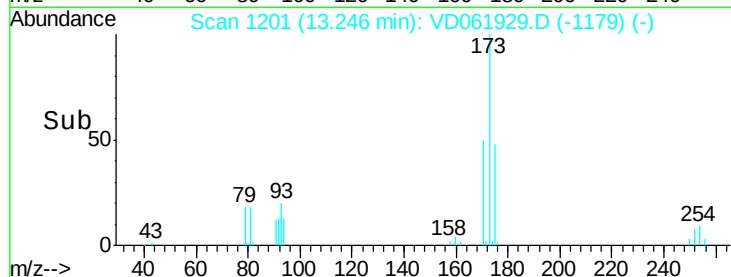
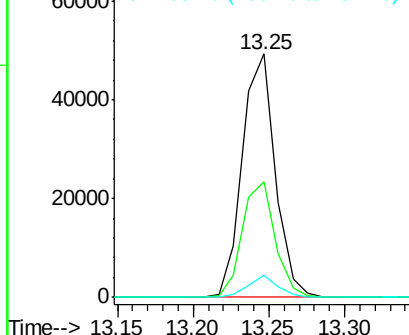
173 100

175 47.7 24.4 73.4

254 9.1 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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

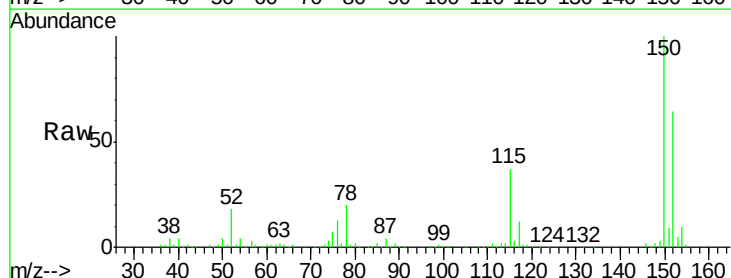
Tgt Ion:152 Resp: 310218

Ion Ratio Lower Upper

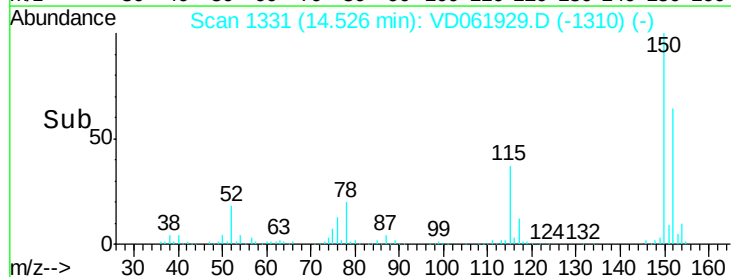
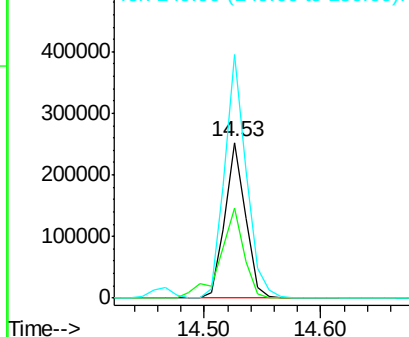
152 100

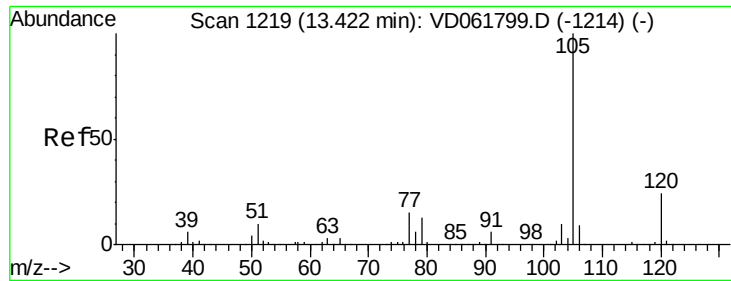
115 58.0 30.9 92.7

150 156.8 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: 19.851 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

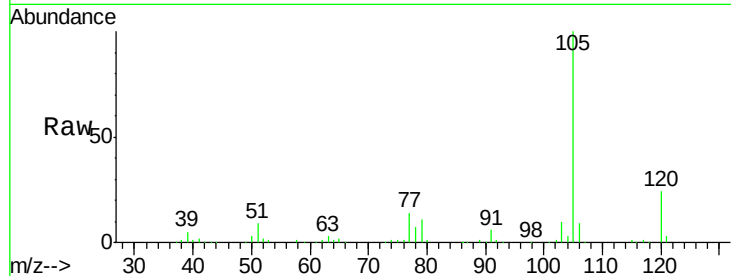
ClientSampleId :

Tot Ion:105 Resp: 399369

Ion Ratio Lower Upper

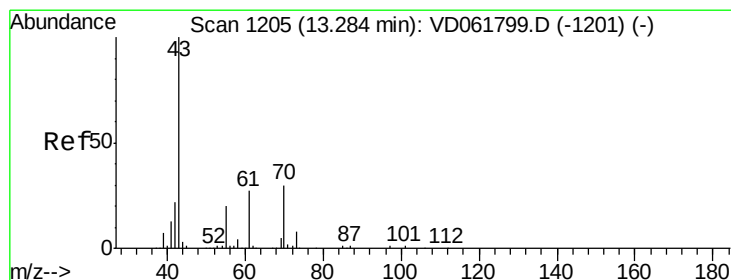
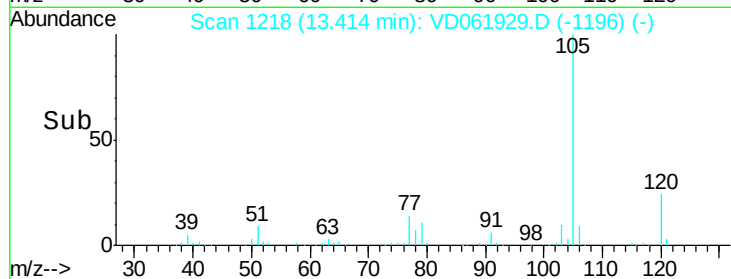
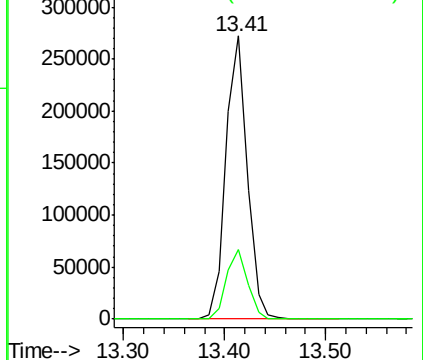
105 100

120 24.4 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: 21.181 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Tgt Ion: 43 Resp: 114591

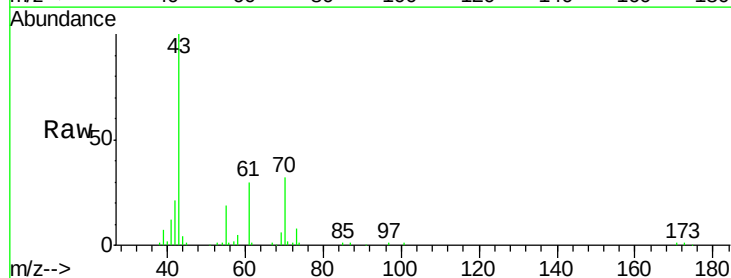
Ion Ratio Lower Upper

43 100

70 31.9 24.2 36.4

55 18.8 16.0 24.0

61 30.4 21.6 32.4

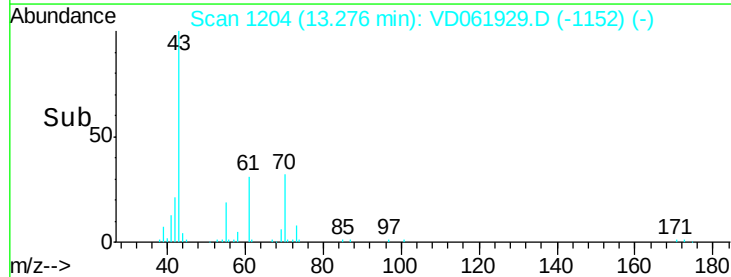
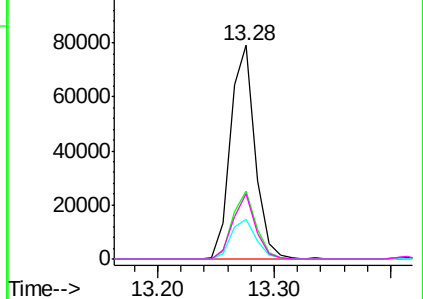


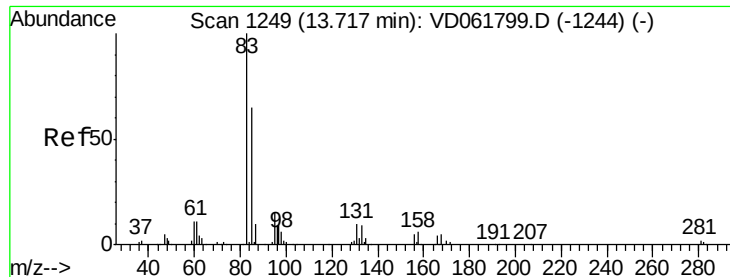
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.368 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

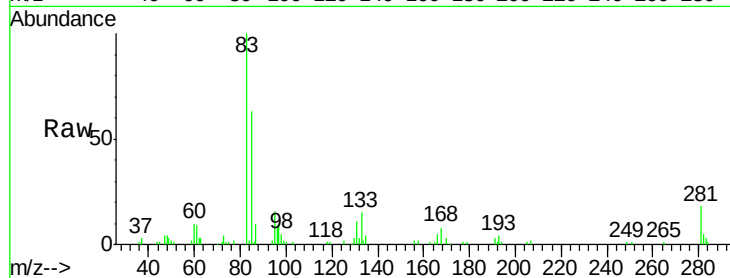
Tot Ion: 83 Resp: 96908

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

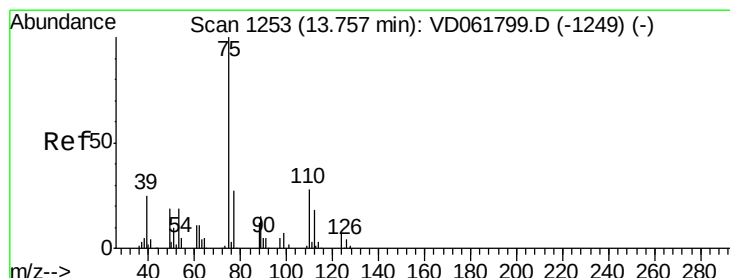
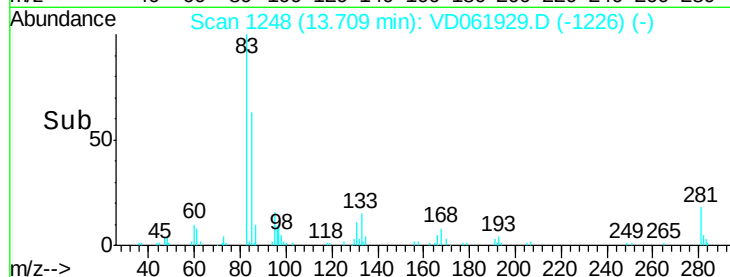
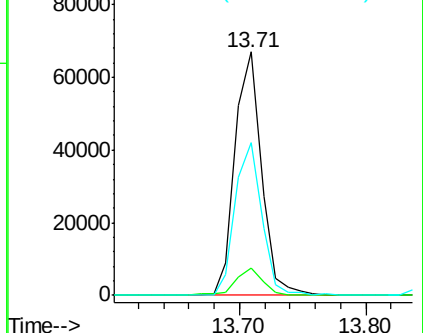
85 62.9 32.6 97.7



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: 22.649 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061929.D

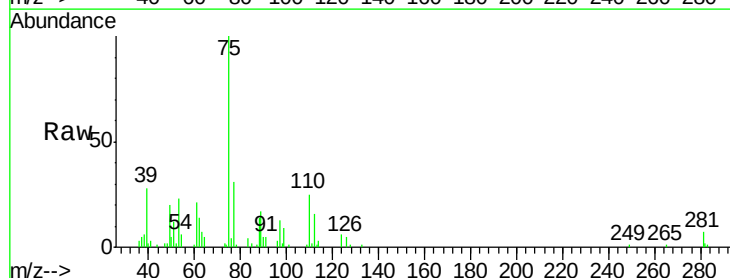
Acq: 20 Apr 2019 4:00

Tgt Ion: 75 Resp: 92271

Ion Ratio Lower Upper

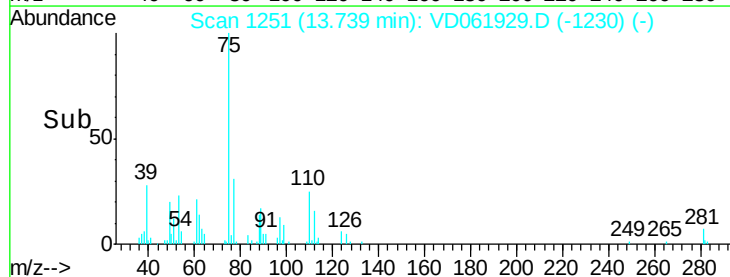
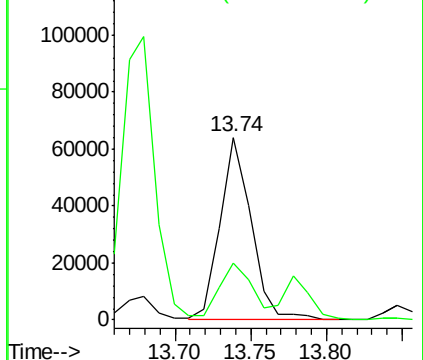
75 100

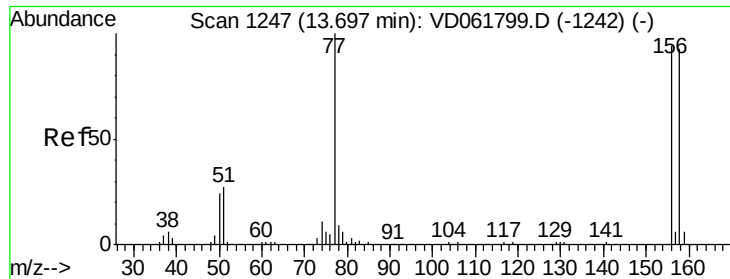
77 31.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.766 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

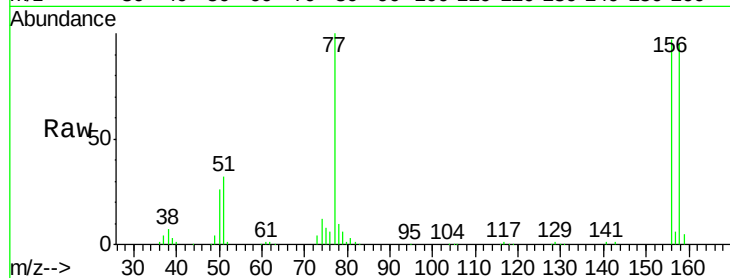
Tot Ion:156 Resp: 130109

Ion Ratio Lower Upper

156 100

77 103.0 53.1 159.4

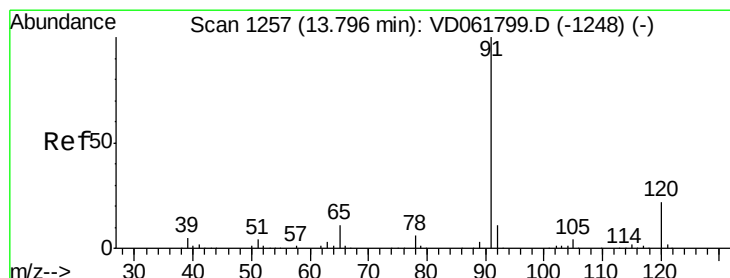
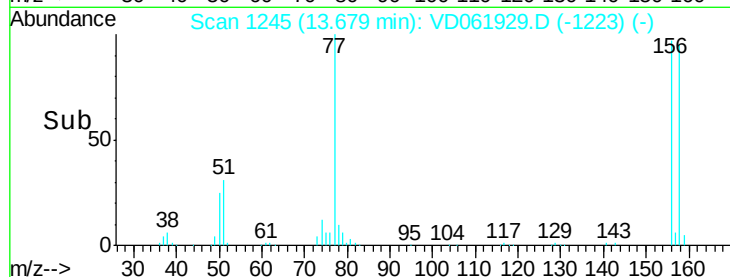
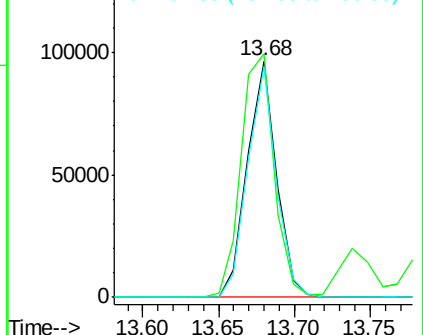
158 97.7 49.4 148.0



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: 21.676 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061929.D

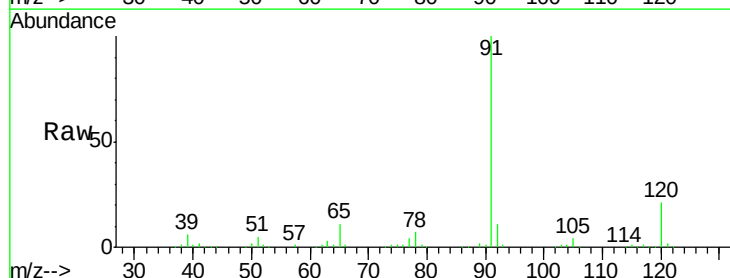
Acq: 20 Apr 2019 4:00

Tgt Ion: 91 Resp: 503851

Ion Ratio Lower Upper

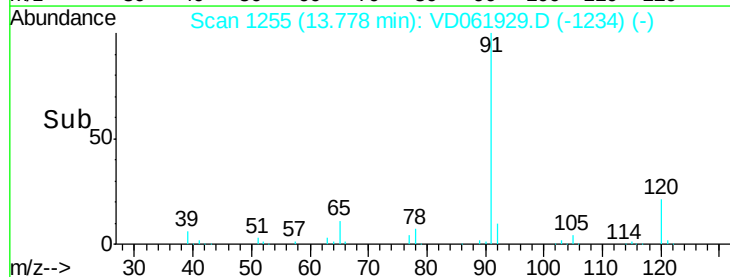
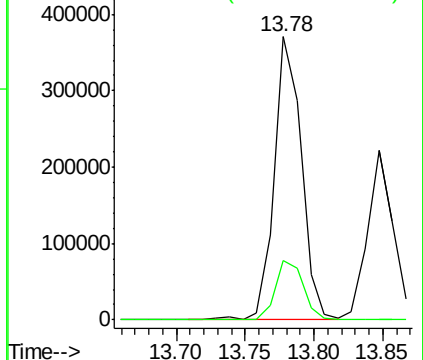
91 100

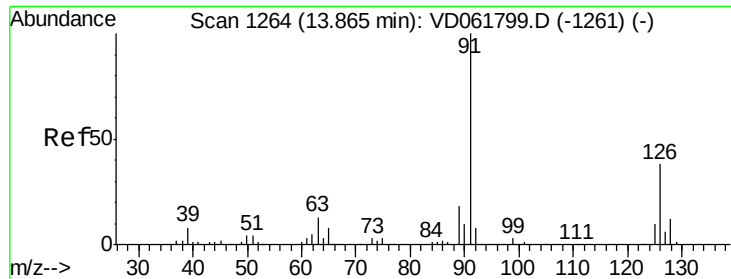
120 20.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.101 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

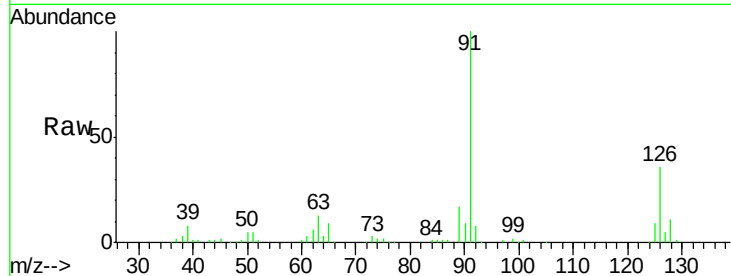
ClientSampleId :

Tot Ion: 91 Resp: 286525

Ion Ratio Lower Upper

91 100

126 35.6 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

400000

300000

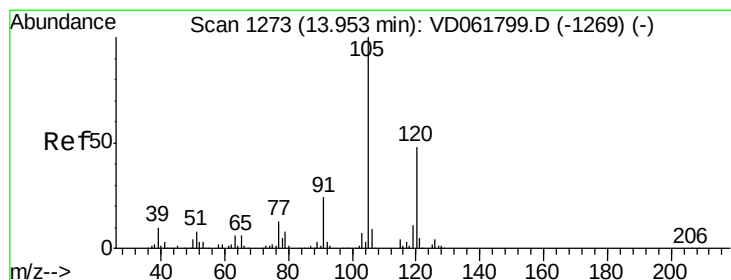
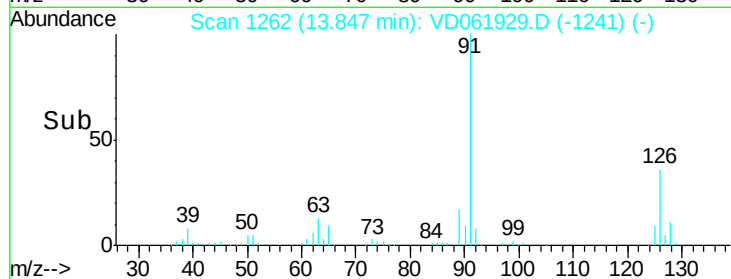
200000

100000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.158 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061929.D

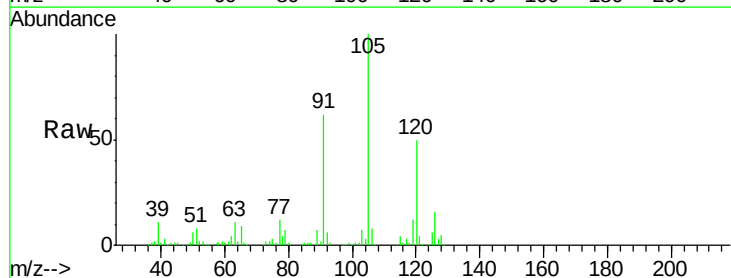
Acq: 20 Apr 2019 4:00

Tgt Ion: 105 Resp: 369678

Ion Ratio Lower Upper

105 100

120 49.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)

250000

200000

150000

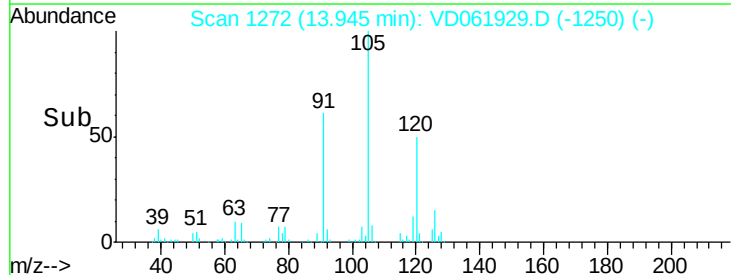
100000

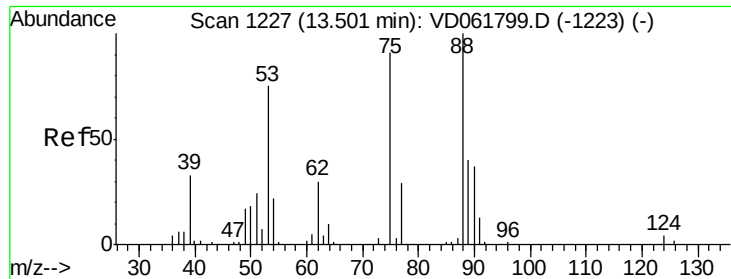
50000

0

13.90 13.95 14.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.642 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061929.D

Acq: 20 Apr 2019 4:00

Instrument :

MSVOA_D

ClientSampleId :

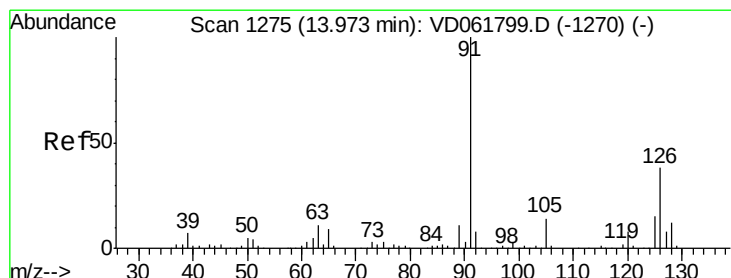
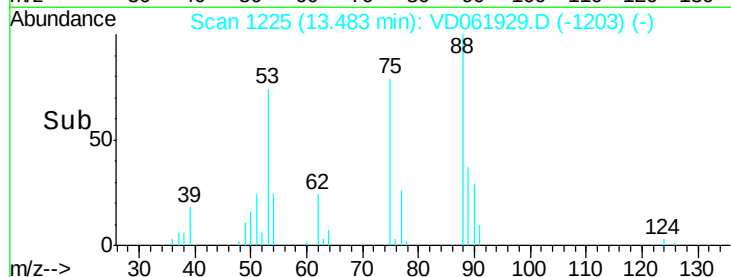
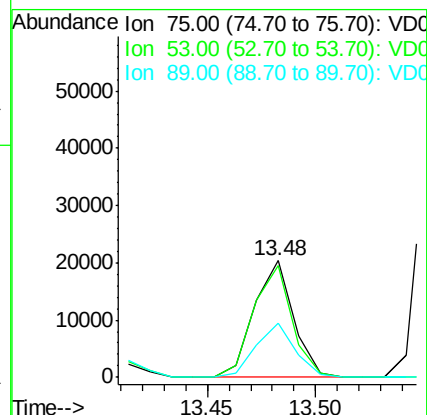
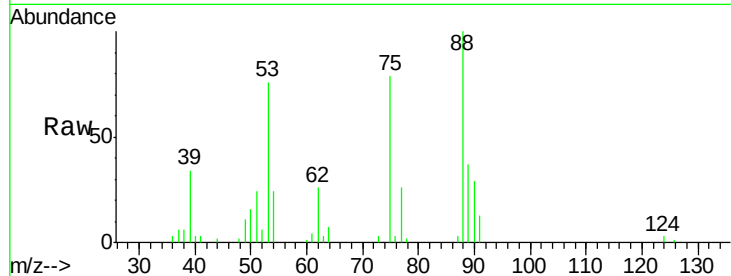
Tot Ion: 75 Resp: 25913

Ion Ratio Lower Upper

75 100

53 96.2 65.8 98.8

89 46.5 35.0 52.6



#82

4-Chlorotoluene

Concen: 22.495 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061929.D

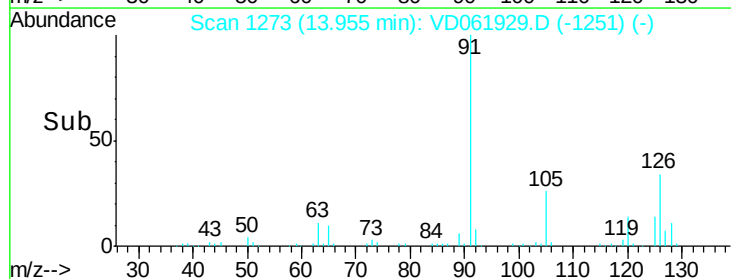
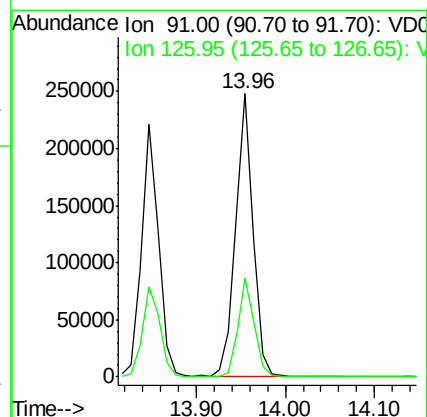
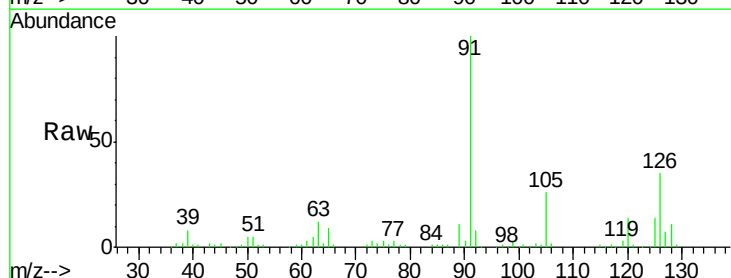
Acq: 20 Apr 2019 4:00

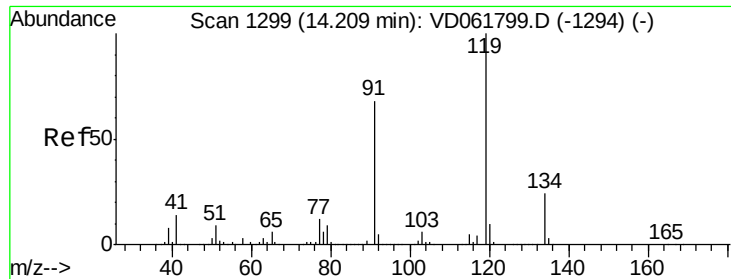
Tgt Ion: 91 Resp: 349622

Ion Ratio Lower Upper

91 100

126 34.8 19.1 57.5

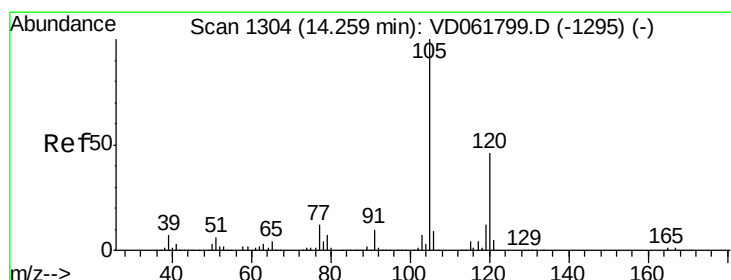
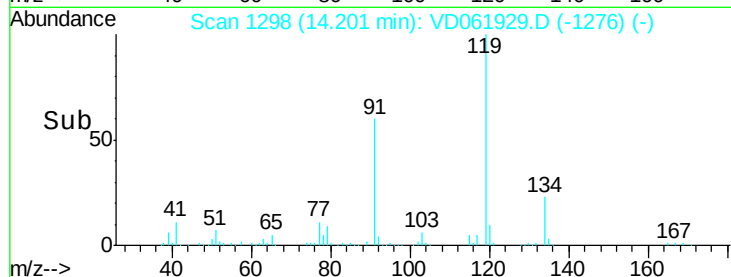
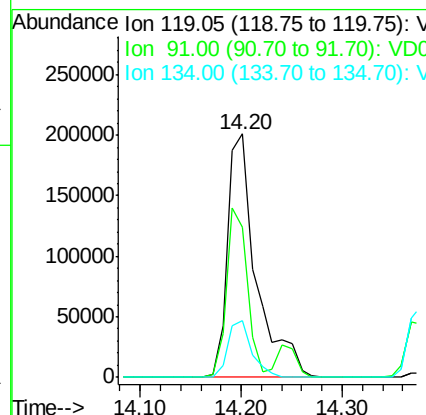
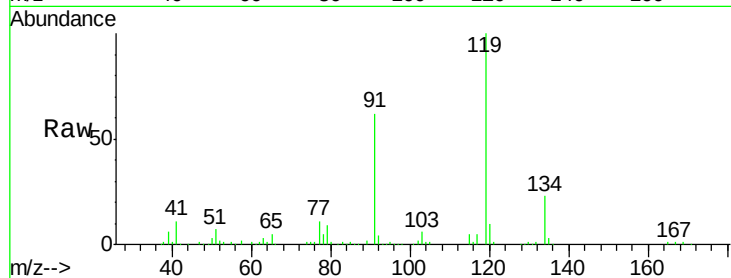




#83
tert-Butylbenzene
Concen: 21.362 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

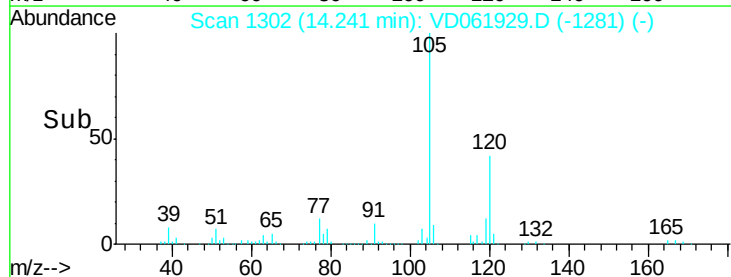
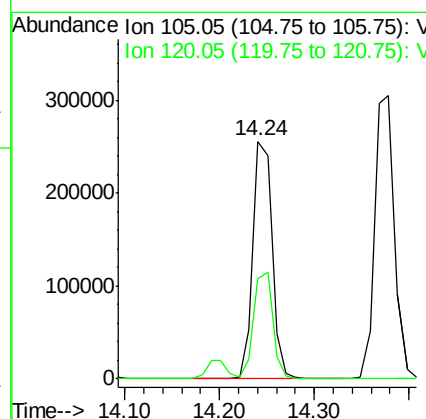
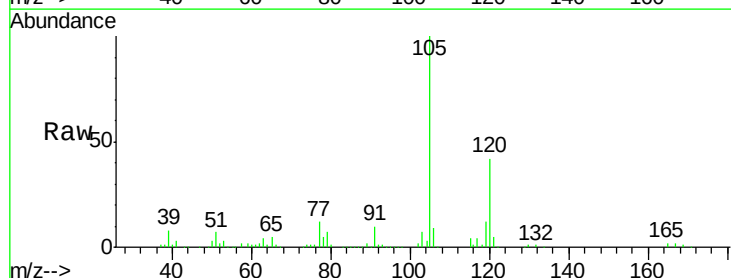
Instrument :
MSVOA_D
ClientSampled :

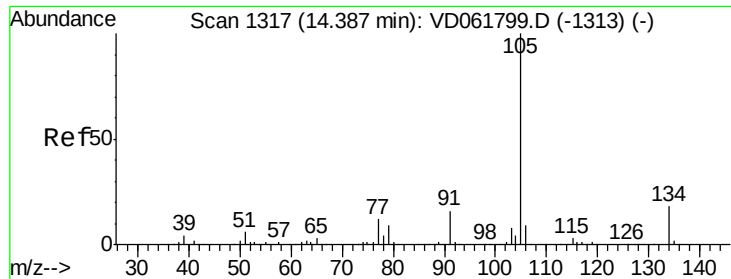
Tot Ion:119 Resp: 400405
Ion Ratio Lower Upper
119 100
91 61.7 34.2 102.6
134 23.4 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 22.575 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:105 Resp: 362254
Ion Ratio Lower Upper
105 100
120 42.3 23.1 69.2

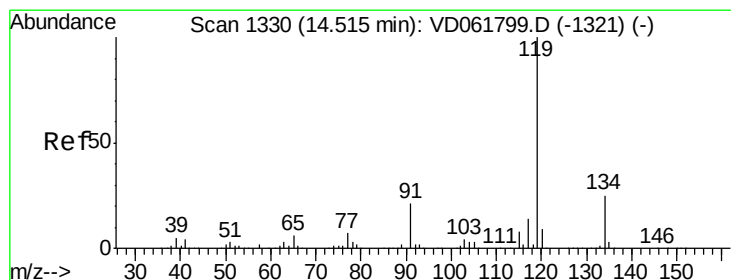
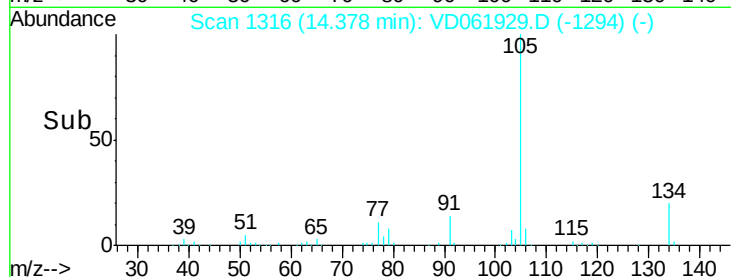
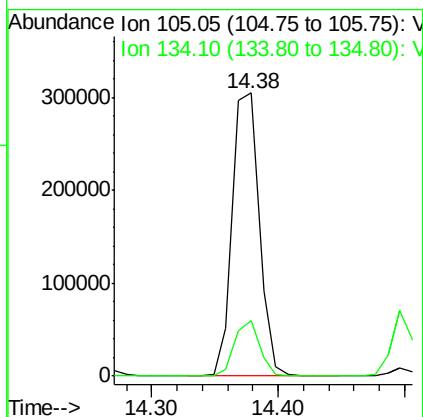
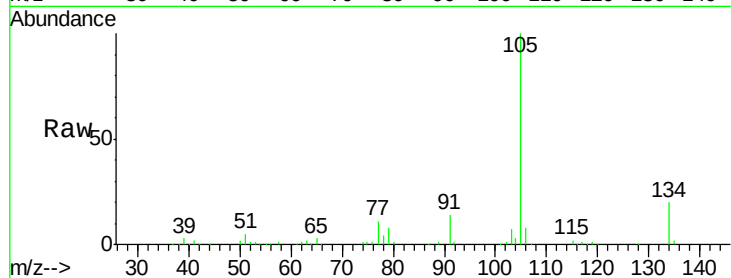




#85
 sec-Butylbenzene
 Concen: 23.095 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

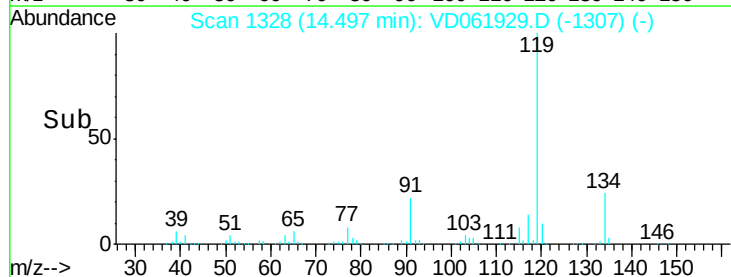
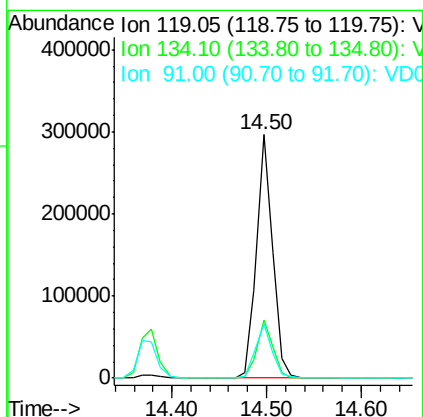
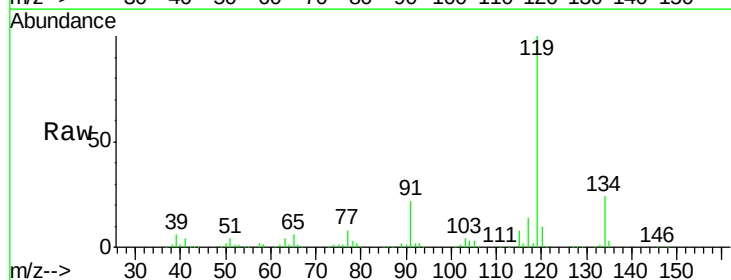
Instrument :
 MSVOA_D
 ClientSampleId :

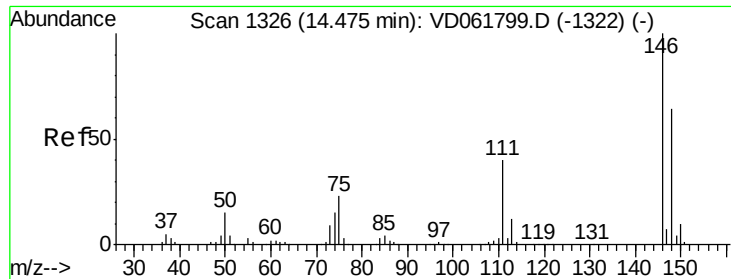
Tot Ion:105 Resp: 447503
 Ion Ratio Lower Upper
 105 100
 134 19.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.331 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion:119 Resp: 350477
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.8 38.3
 91 22.3 10.7 32.1

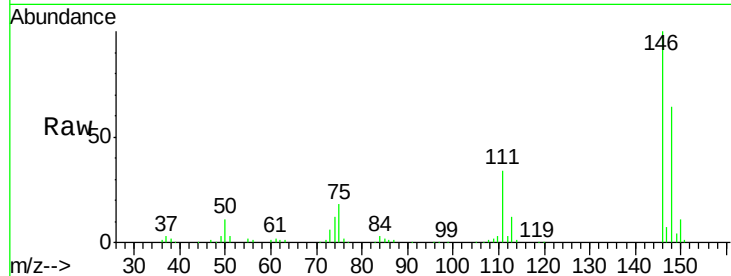




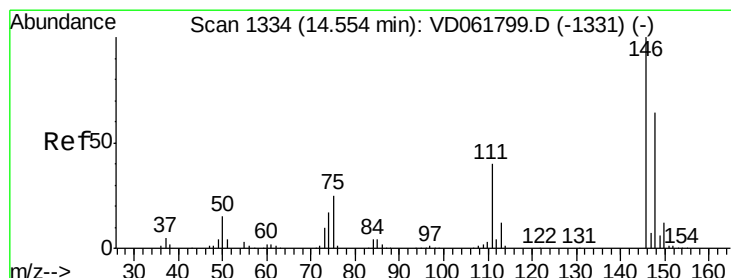
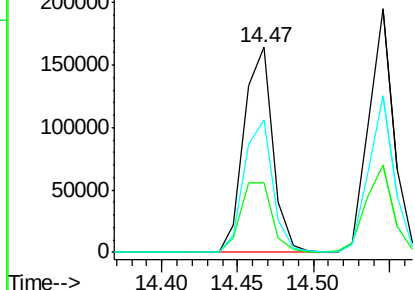
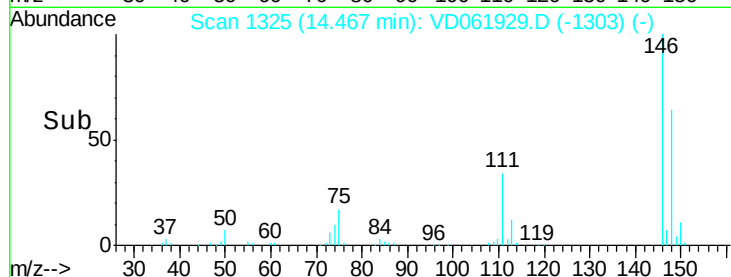
#87
 1,3-Dichlorobenzene
 Concen: 21.784 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.7	20.0	60.0
148	64.4	31.8	95.4

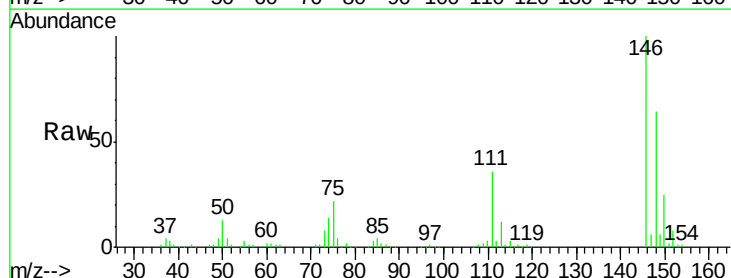


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

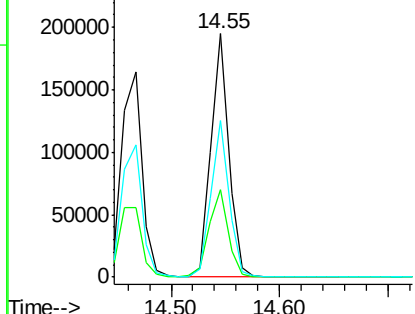
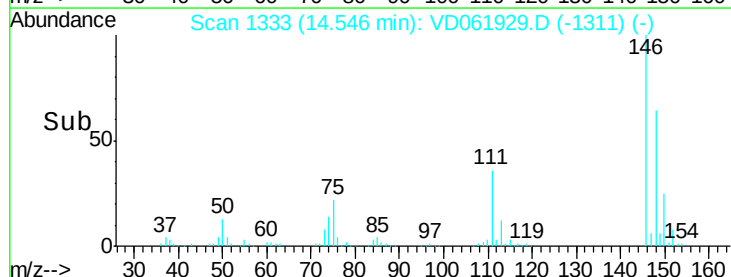


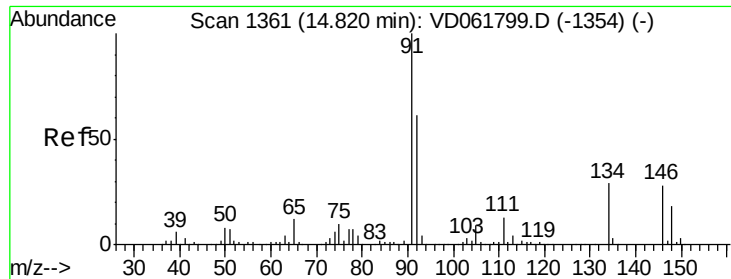
#88
 1,4-Dichlorobenzene
 Concen: 22.832 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	20.2	60.5
148	64.3	32.0	96.2



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

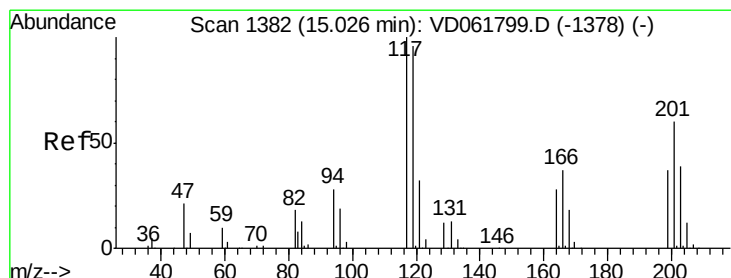
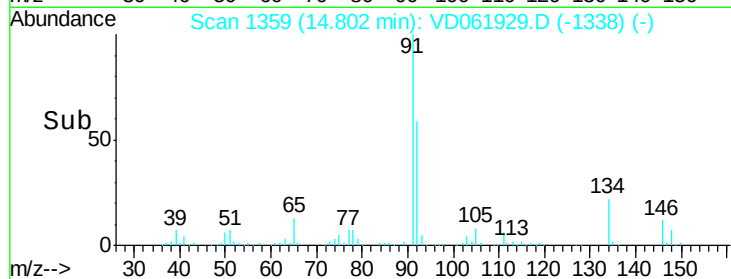
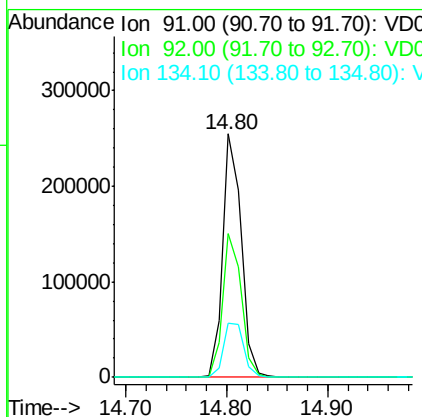
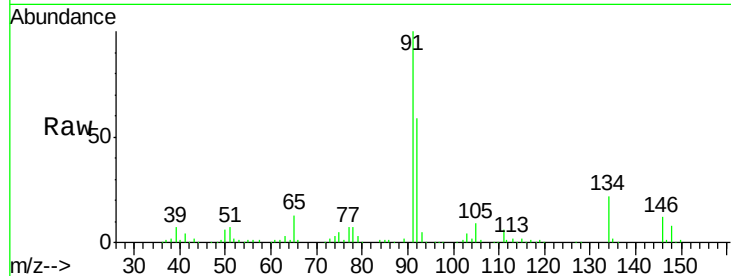




#89
n-Butylbenzene
Concen: 20.477 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

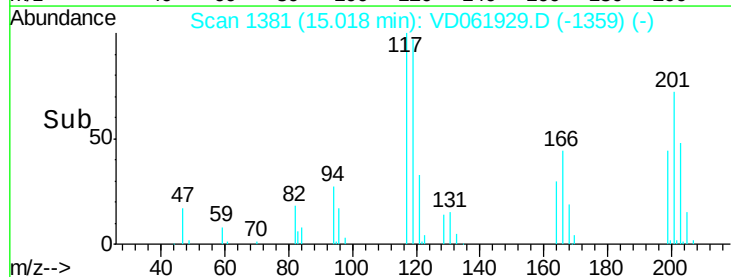
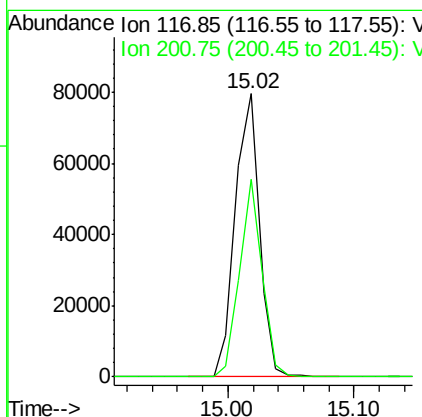
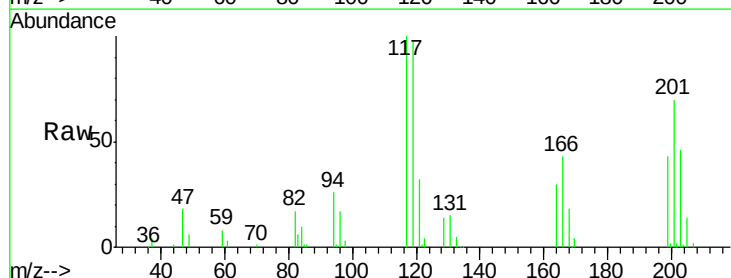
Instrument :
MSVOA_D
ClientSampleId :

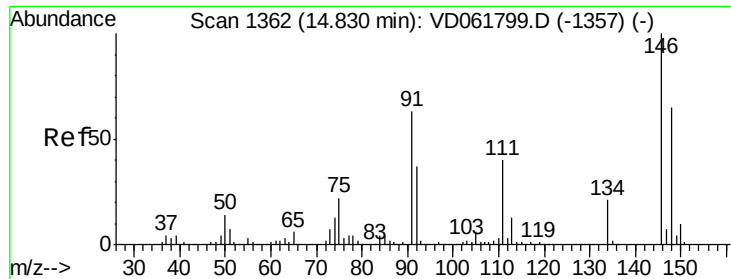
Tot Ion: 91 Resp: 328620
Ion Ratio Lower Upper
91 100
92 59.2 30.3 91.0
134 22.2 14.5 43.6



#90
Hexachloroethane
Concen: 21.256 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion: 117 Resp: 105036
Ion Ratio Lower Upper
117 100
201 69.9 30.2 90.6

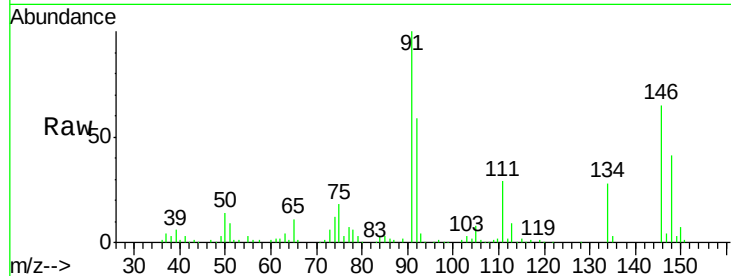




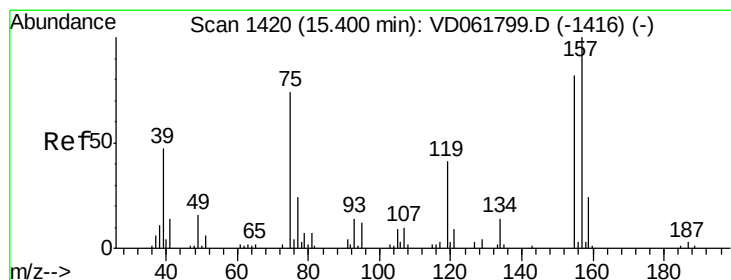
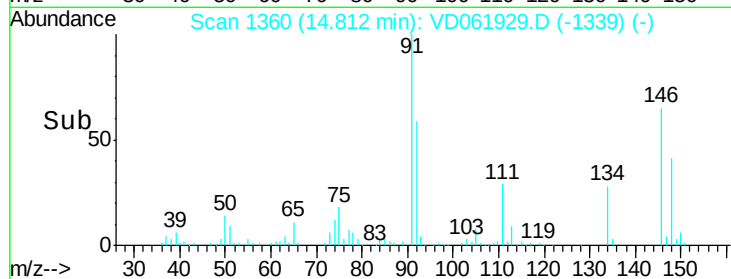
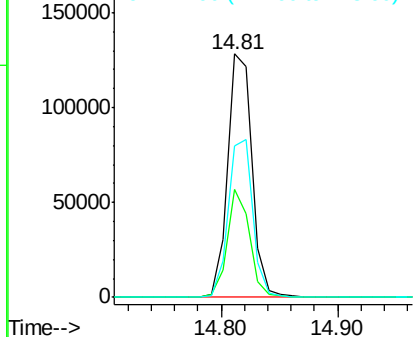
#91
 1,2-Dichlorobenzene
 Concen: 22.189 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 185432
 Ion Ratio Lower Upper
 146 100
 111 44.6 20.0 59.9
 148 62.3 32.3 96.8

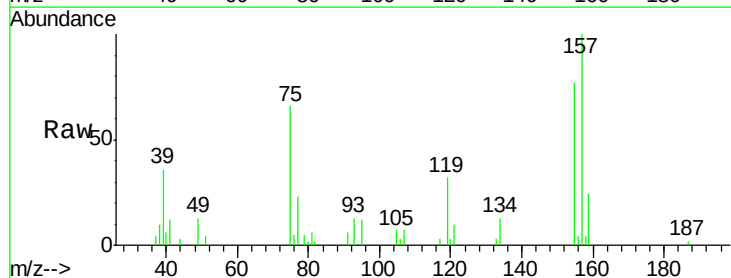


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

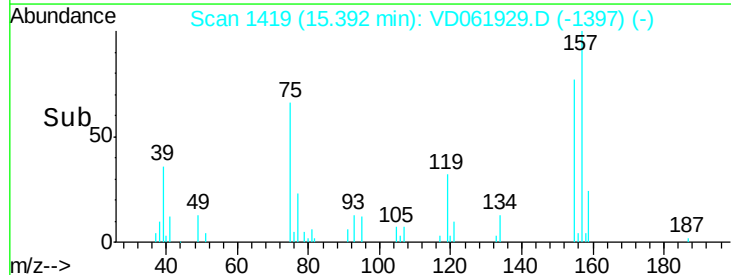
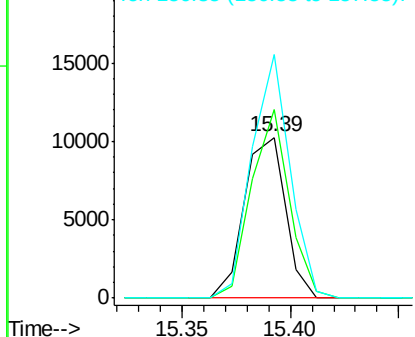


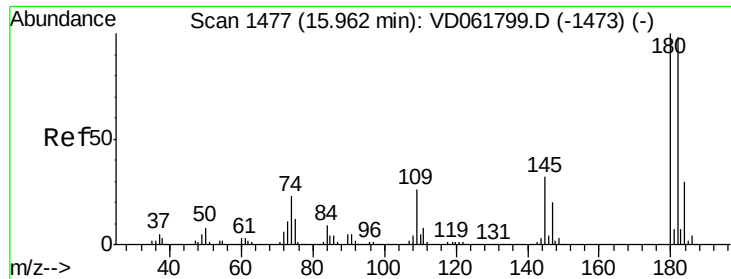
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.452 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion: 75 Resp: 13525
 Ion Ratio Lower Upper
 75 100
 155 117.3 55.3 165.8
 157 151.4 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

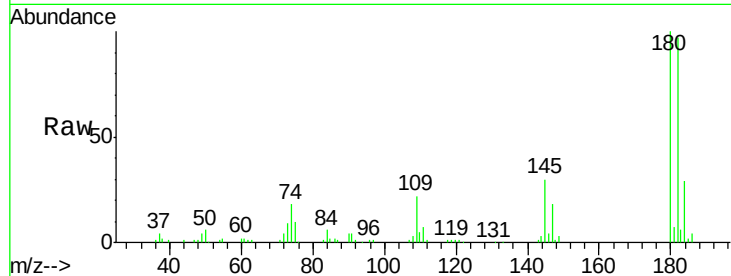




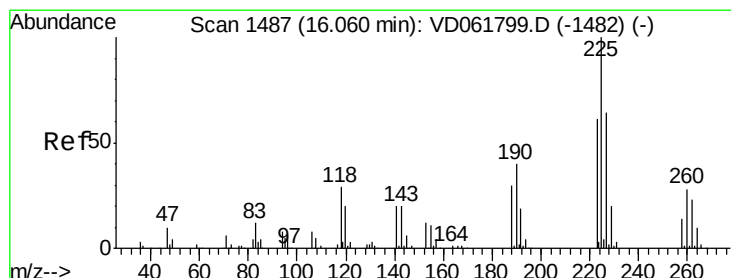
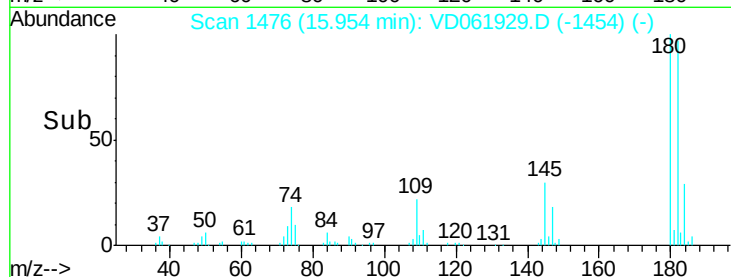
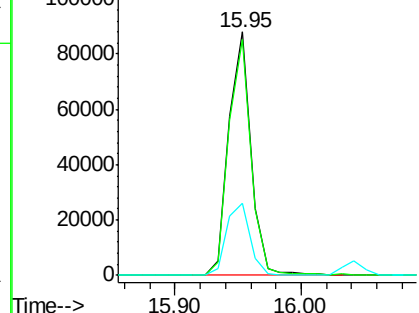
#93
 1,2,4-Trichlorobenzene
 Concen: 23.200 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 106488
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.3 147.8
 145 29.6 16.2 48.6

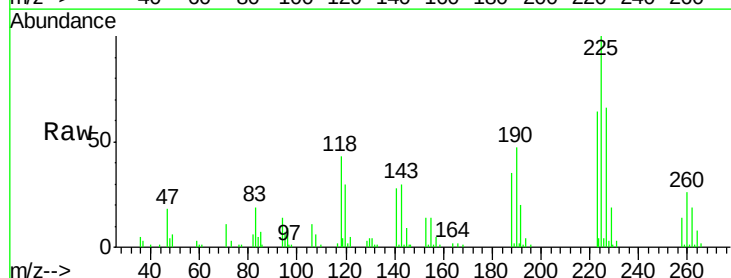


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

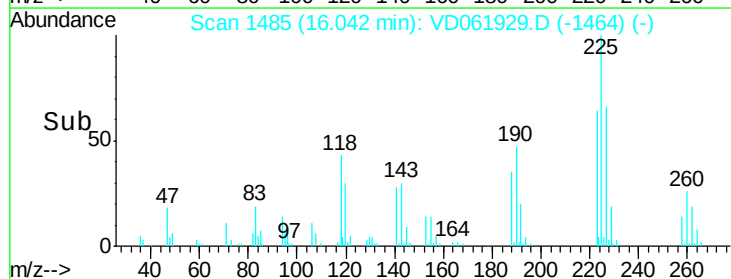
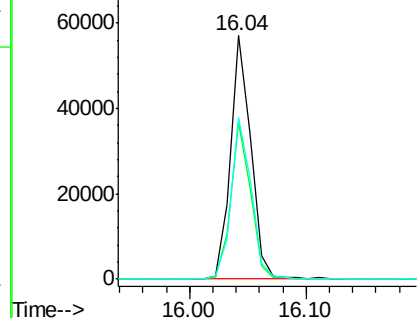


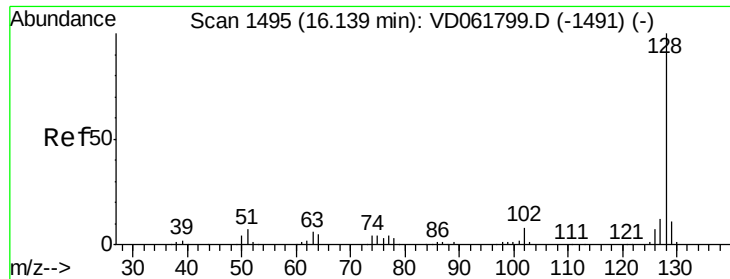
#94
 Hexachlorobutadiene
 Concen: 20.807 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061929.D
 Acq: 20 Apr 2019 4:00

Tgt Ion:225 Resp: 69210
 Ion Ratio Lower Upper
 225 100
 223 64.4 30.6 92.0
 227 66.4 32.0 96.2



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

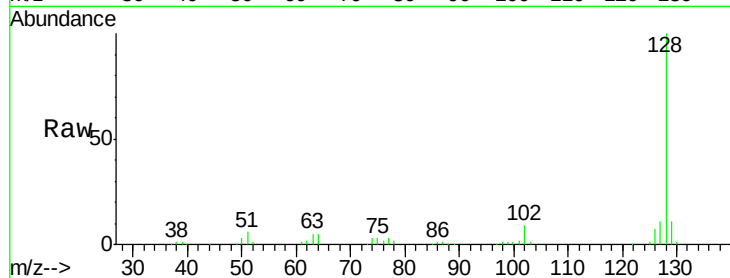




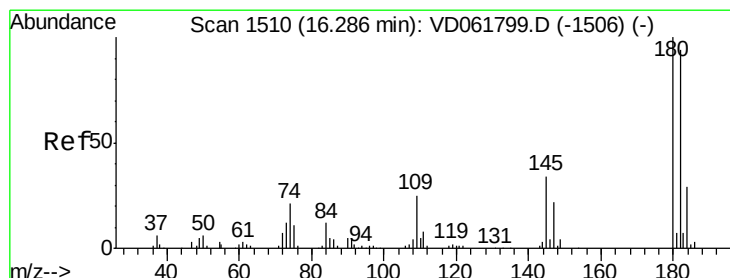
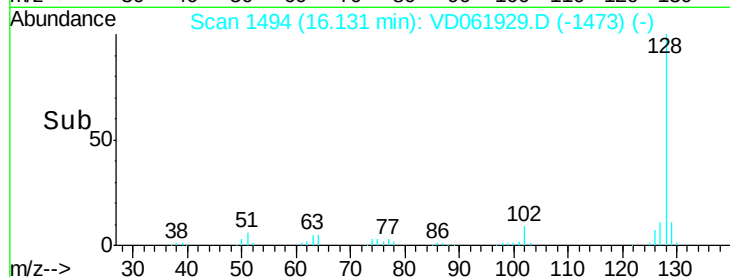
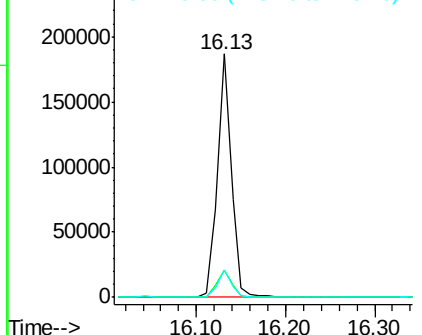
#95
Naphthalene
Concen: 29.130 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 204937
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 11.1 8.8 13.2

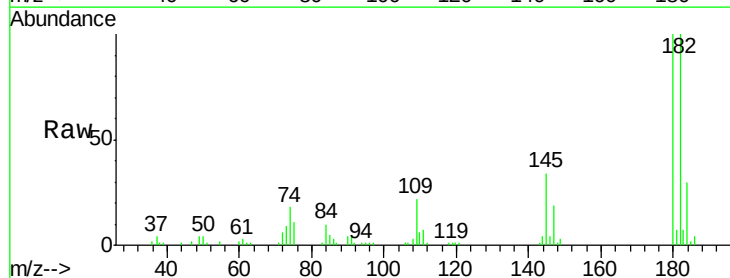


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 25.411 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061929.D
Acq: 20 Apr 2019 4:00

Tgt Ion:180 Resp: 66467
Ion Ratio Lower Upper
180 100
182 99.7 47.0 141.0
145 33.5 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

