

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061799.D
 Acq On : 15 Apr 2019 14:09
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 16 08:20:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	647123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1049563	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	845758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	381477	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	250691	45.97	ug/l	0.00
Spiked Amount						
			Recovery	=	91.94%	
35) Dibromofluoromethane	6.97	113	363450	45.84	ug/l	0.00
Spiked Amount						
			Recovery	=	91.68%	
50) Toluene-d8	10.45	98	870937	46.36	ug/l	0.00
Spiked Amount						
			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	13.58	95	336309	44.16	ug/l	0.00
Spiked Amount						
			Recovery	=	88.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	316728	49.880	ug/l	100
3) Chloromethane	1.78	50	234784	46.400	ug/l	100
4) Vinyl Chloride	1.87	62	260355	51.837	ug/l	100
5) Bromomethane	2.18	94	63378	49.245	ug/l	100
6) Chloroethane	2.30	64	101327	59.133	ug/l	100
7) Trichlorofluoromethane	2.56	101	404193	49.722	ug/l	100
8) Diethyl Ether	2.91	74	109077	51.095	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.19	101	345872	47.654	ug/l	100
10) Methyl Iodide	3.34	142	577936	59.050	ug/l	100
11) Tert butyl alcohol	4.10	59	80415	250.144	ug/l	100
12) 1,1-Dichloroethene	3.16	96	295551	48.410	ug/l	100
13) Acrolein	3.07	56	67081	215.386	ug/l	100
14) Allyl chloride	3.67	41	419674	50.422	ug/l	100
15) Acrylonitrile	4.24	53	248607	246.326	ug/l	100
16) Acetone	3.25	43	347661	258.724	ug/l	100
17) Carbon Disulfide	3.41	76	991522	50.251	ug/l	100
18) Methyl Acetate	3.68	43	126053	46.777	ug/l	100
19) Methyl tert-butyl Ether	4.28	73	564119	49.632	ug/l	100
20) Methylene Chloride	3.85	84	329133	40.590	ug/l	100
21) trans-1,2-Dichloroethene	4.27	96	334975	49.959	ug/l	100
22) Diisopropyl ether	5.17	45	902994	50.841	ug/l	100
23) Vinyl Acetate	5.11	43	2393204	252.451	ug/l	100
24) 1,1-Dichloroethane	5.04	63	524887	48.691	ug/l	100
25) 2-Butanone	6.12	43	371486	242.793	ug/l	100
26) 2,2-Dichloropropane	6.08	77	450520	48.301	ug/l	100
27) cis-1,2-Dichloroethene	6.09	96	353628	48.594	ug/l	100
28) Bromochloromethane	6.49	49	195926	47.800	ug/l	100
29) Tetrahydrofuran	6.50	42	185642	249.067	ug/l	100
30) Chloroform	6.72	83	612319	50.885	ug/l	100
31) Cyclohexane	7.00	56	429389	51.992	ug/l	100
32) 1,1,1-Trichloroethane	6.92	97	534329	50.093	ug/l	100
36) 1,1-Dichloropropene	7.19	75	423031	49.314	ug/l	100
37) Ethyl Acetate	6.23	43	180196	49.090	ug/l	100
38) Carbon Tetrachloride	7.16	117	583297	52.240	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	439147	49.307	ug/l	100
40) Benzene	7.50	78	1063033	51.620	ug/l	100
41) Methacrylonitrile	6.49	41	210133	48.433	ug/l	100
42) 1,2-Dichloroethane	7.62	62	343357	47.880	ug/l	100
43) Isopropyl Acetate	9.28	43	264769	51.256	ug/l	100
44) Trichloroethene	8.59	130	401345	50.633	ug/l	100
45) 1,2-Dichloropropane	8.98	63	262022	48.854	ug/l	100
46) Dibromomethane	9.10	93	193414	50.611	ug/l	100
47) Bromodichloromethane	9.42	83	459969	52.171	ug/l	100
48) Methyl methacrylate	9.16	41	157422	51.845	ug/l	100
49) 1,4-Dioxane	9.12	88	35097	1057.515	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	784740	248.419	ug/l	100
52) Toluene	10.55	92	634046	48.052	ug/l	100
53) t-1,3-Dichloropropene	10.95	75	411331	51.777	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	478347	51.296	ug/l	100
55) 1,1,2-Trichloroethane	11.23	97	217957	49.021	ug/l	100
56) Ethyl methacrylate	11.08	69	226176	46.348	ug/l	100
57) 1,3-Dichloropropane	11.44	76	319292	47.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.90	63	491465	211.738	ug/l	100
59) 2-Hexanone	11.56	43	568810	242.437	ug/l	100
60) Dibromochloromethane	11.72	129	385563	52.997	ug/l	100
61) 1,2-Dibromoethane	11.84	107	273962	50.111	ug/l	100
64) Tetrachloroethene	11.30	164	314165	49.531	ug/l	100
65) Chlorobenzene	12.43	112	771689	48.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.54	131	321563	48.717	ug/l	100
67) Ethyl Benzene	12.56	91	1178017	46.702	ug/l	100
68) m/p-Xylenes	12.69	106	966873	102.046	ug/l	100
69) o-Xylene	13.08	106	405010	45.478	ug/l	100
70) Styrene	13.10	104	724917	47.302	ug/l	100
71) Bromoform	13.25	173	198140	50.571	ug/l	100
73) Isopropylbenzene	13.42	105	1198829	48.457	ug/l	100
74) N-amyl acetate	13.28	43	318826	47.924	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.72	83	261869	53.549	ug/l	100
76) 1,2,3-Trichloropropane	13.76	75	264922	52.881	ug/l	100
77) Bromobenzene	13.70	156	362414	51.569	ug/l	100
78) n-propylbenzene	13.80	91	1512606	52.919	ug/l	100
79) 2-Chlorotoluene	13.86	91	836470	50.392	ug/l	100
80) 1,3,5-Trimethylbenzene	13.95	105	916101	46.668	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	76340	53.492	ug/l	100
82) 4-Chlorotoluene	13.97	91	906906	47.451	ug/l	100
83) tert-Butylbenzene	14.21	119	1215699	52.743	ug/l	100
84) 1,2,4-Trimethylbenzene	14.26	105	1054012	53.416	ug/l	100
85) sec-Butylbenzene	14.39	105	1204437	50.547	ug/l	100
86) p-Isopropyltoluene	14.51	119	1132066	50.778	ug/l	100
87) 1,3-Dichlorobenzene	14.48	146	633976	51.674	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	626826	51.685	ug/l	100
89) n-Butylbenzene	14.82	91	993923	50.364	ug/l	100
90) Hexachloroethane	15.03	117	330687	54.420	ug/l	100
91) 1,2-Dichlorobenzene	14.83	146	517150	50.322	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.40	75	36397	53.751	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:14:32 2019
Response via : Initial Calibration

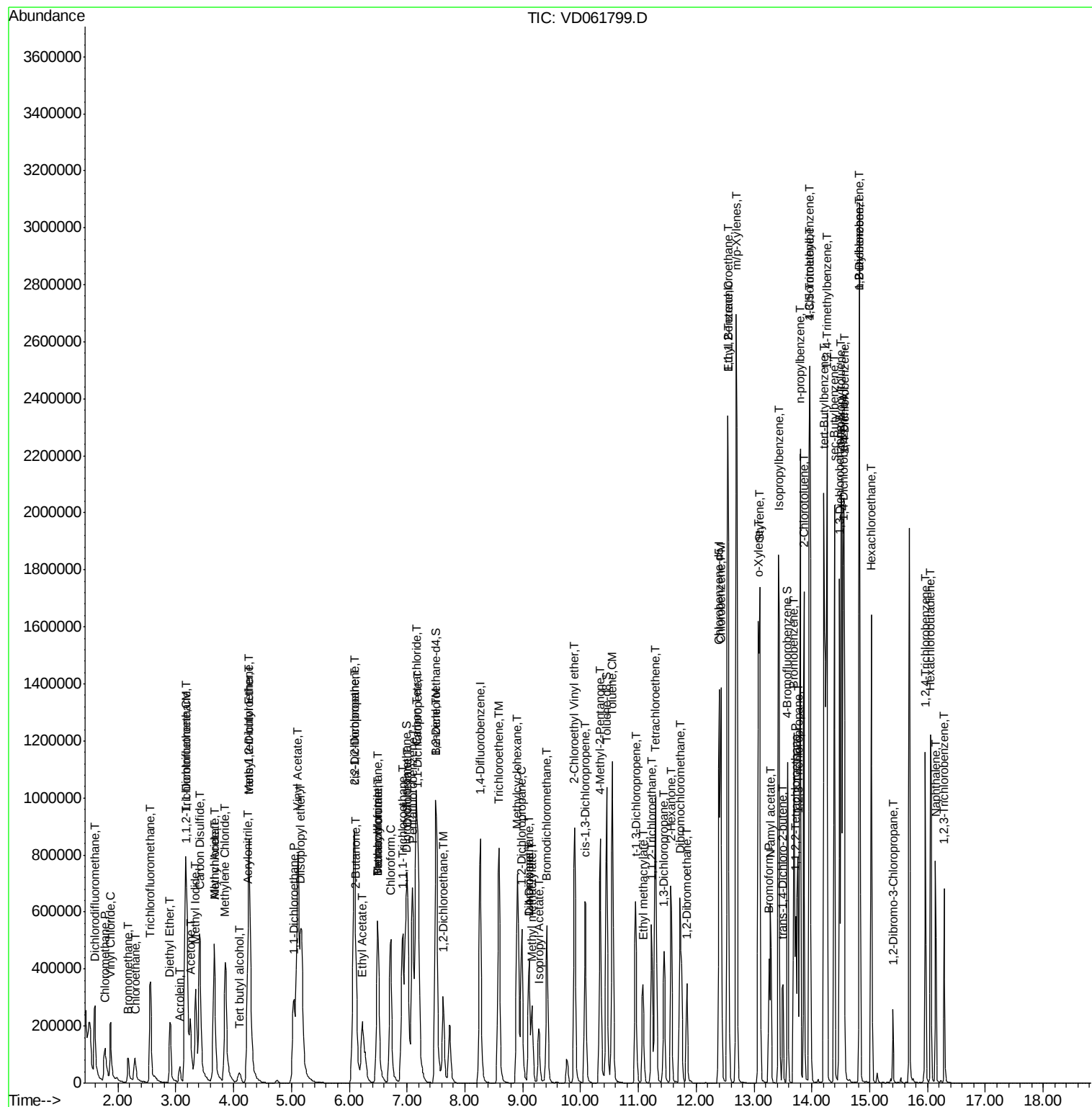
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	278687	49.374	ug/l	100
94) Hexachlorobutadiene	16.06	225	211904	51.805	ug/l	100
95) Naphthalene	16.14	128	483533	55.891	ug/l	100
96) 1,2,3-Trichlorobenzene	16.29	180	169155	52.589	ug/l	100

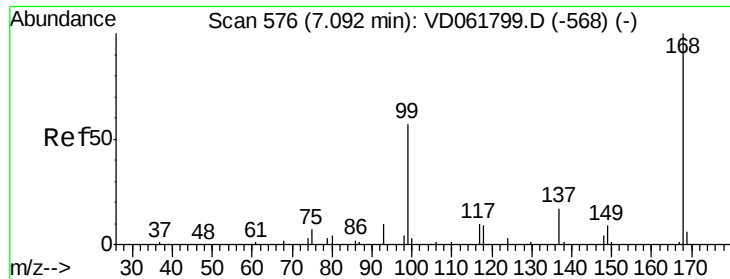
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:14:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

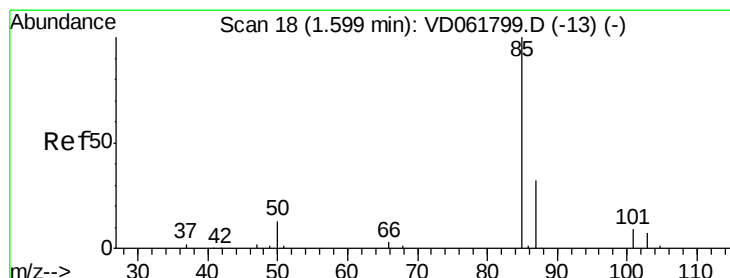
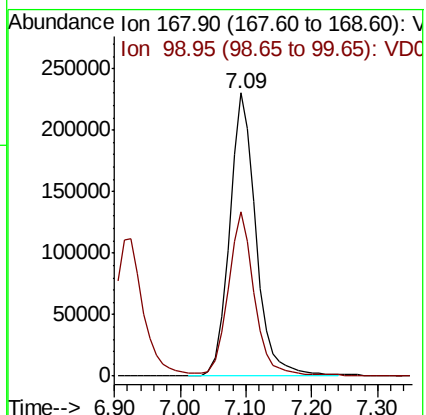
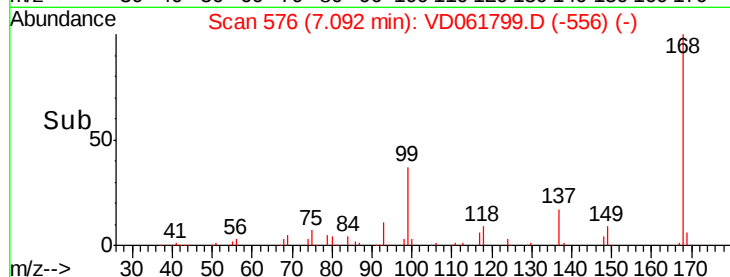
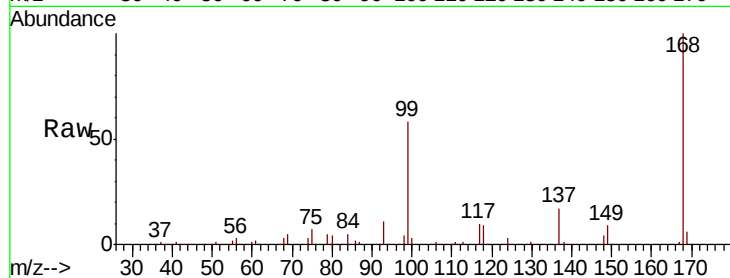
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 647123

Ion Ratio Lower Upper

168 100

99 58.1 46.5 69.7



#2

Dichlorodifluoromethane

Concen: 49.880 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.00 min

Lab File: VD061799.D

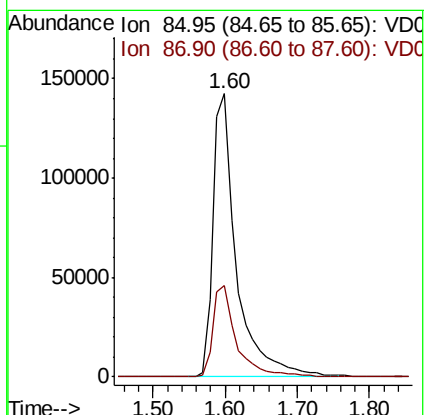
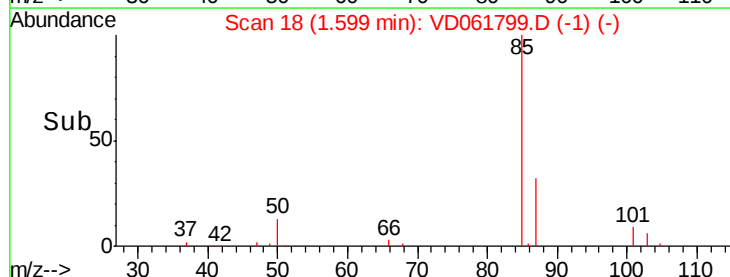
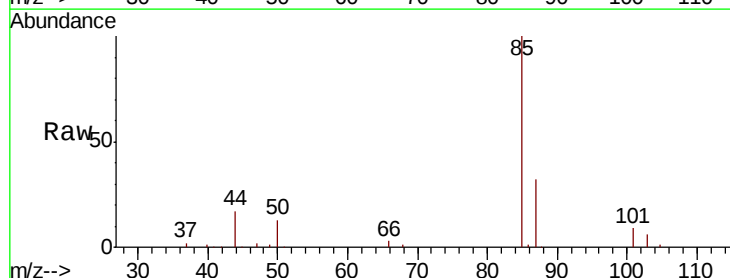
Acq: 15 Apr 2019 14:09

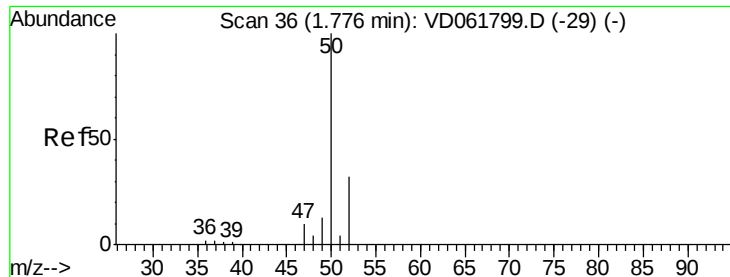
Tgt Ion: 85 Resp: 316728

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.6





#3

Chloromethane

Concen: 46.400 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

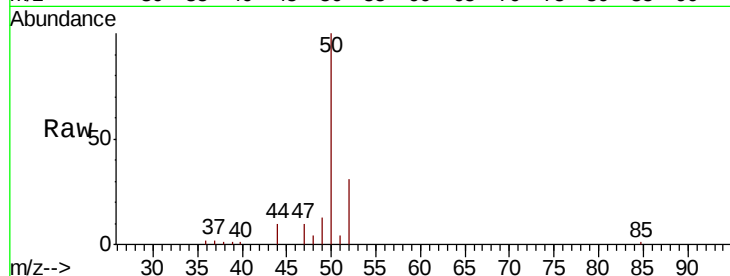
ClientSampleId :

Tot Ion: 50 Resp: 234784

Ion Ratio Lower Upper

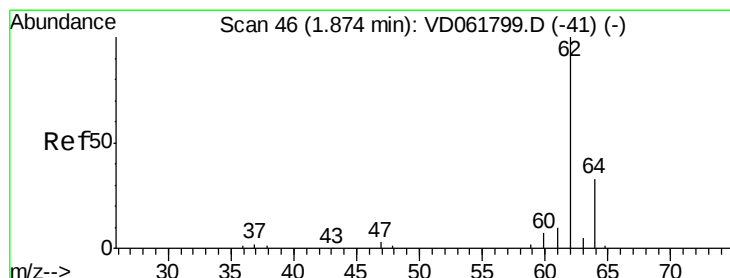
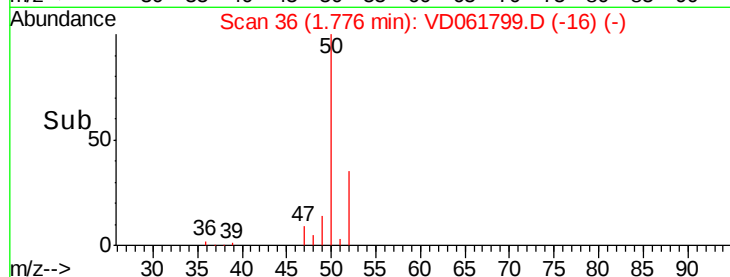
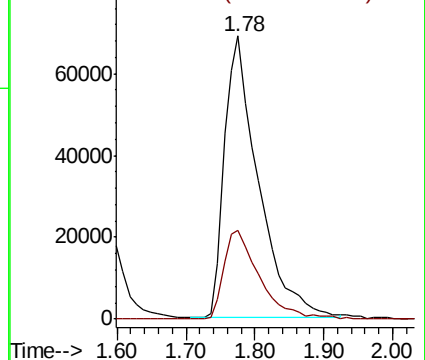
50 100

52 31.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.837 ug/l

RT: 1.87 min Scan# 46

Delta R.T. 0.00 min

Lab File: VD061799.D

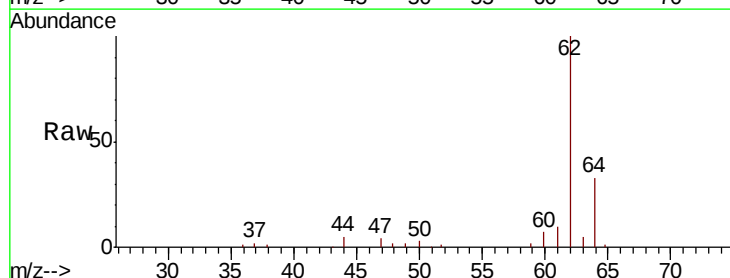
Acq: 15 Apr 2019 14:09

Tgt Ion: 62 Resp: 260355

Ion Ratio Lower Upper

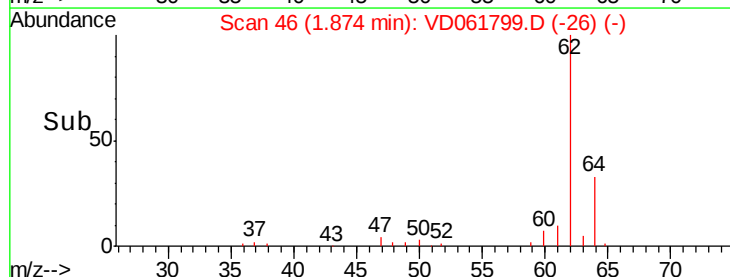
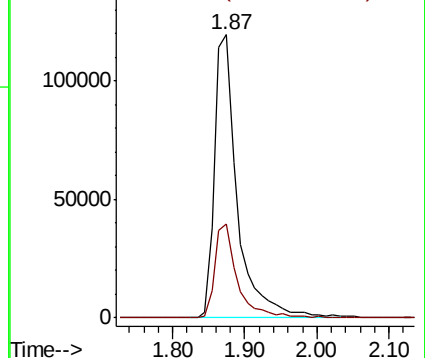
62 100

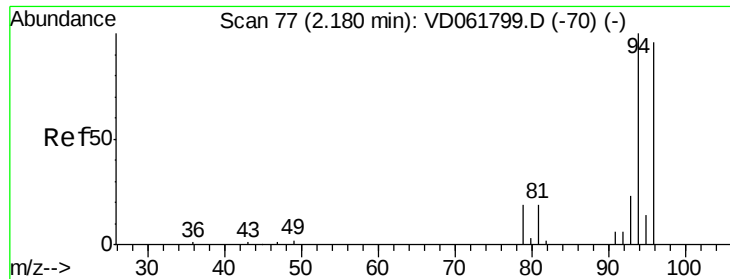
64 33.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.245 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

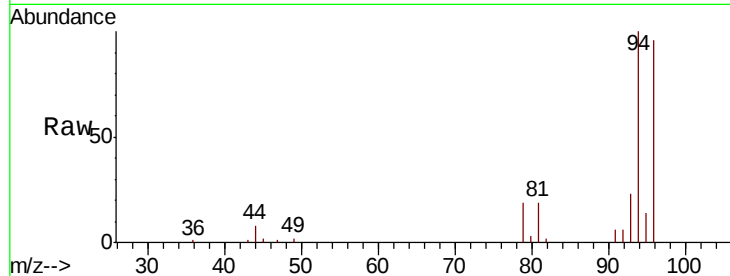
Tot Ion: 94 Resp: 63378

Ion Ratio Lower Upper

94 100

96 95.8 76.6 115.0

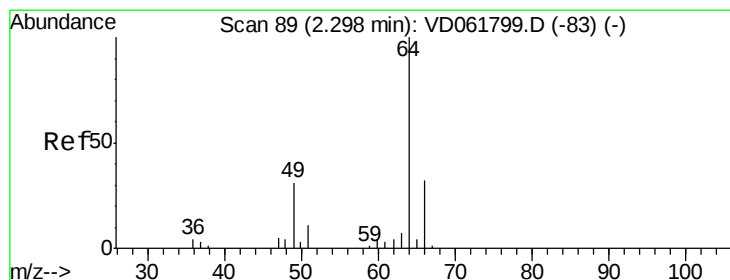
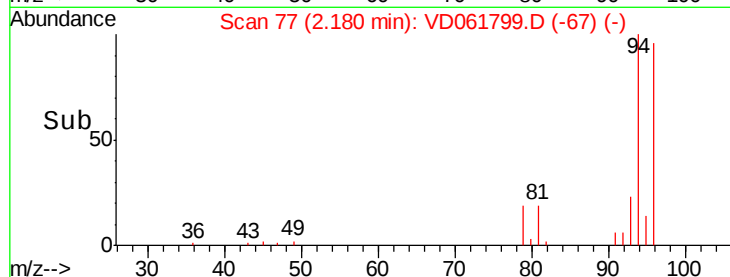
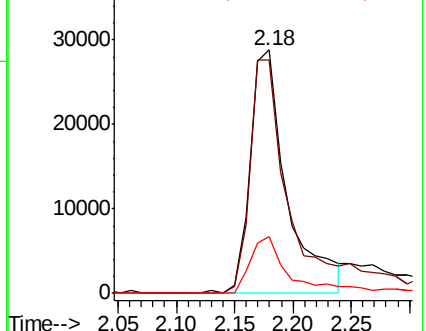
93 23.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 59.133 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.00 min

Lab File: VD061799.D

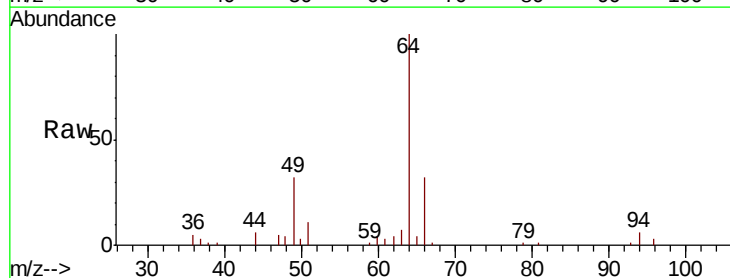
Acq: 15 Apr 2019 14:09

Tgt Ion: 64 Resp: 101327

Ion Ratio Lower Upper

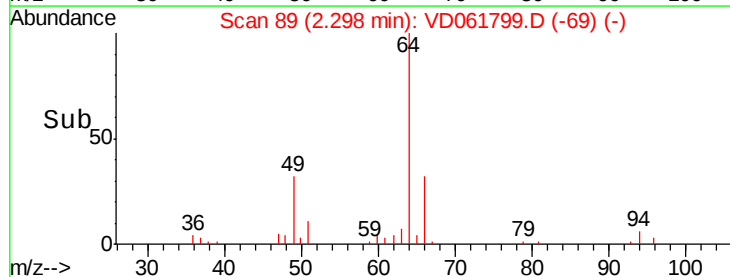
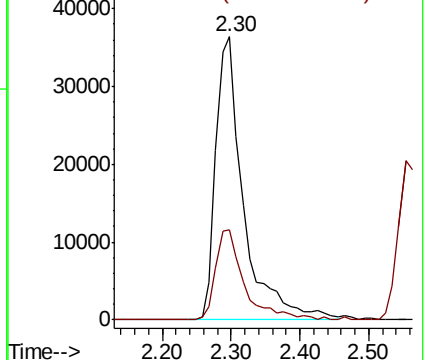
64 100

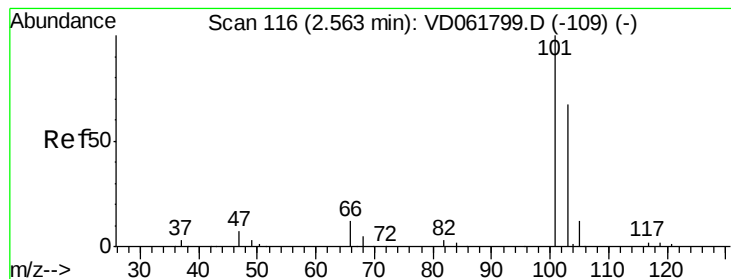
66 32.0 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



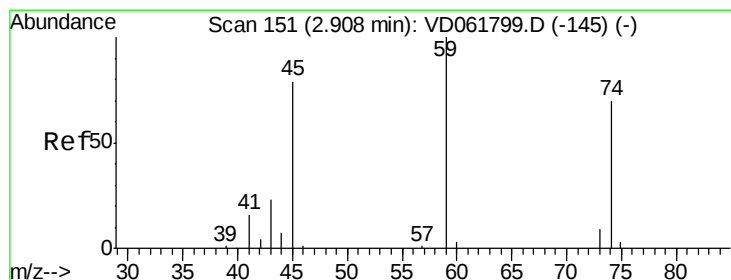
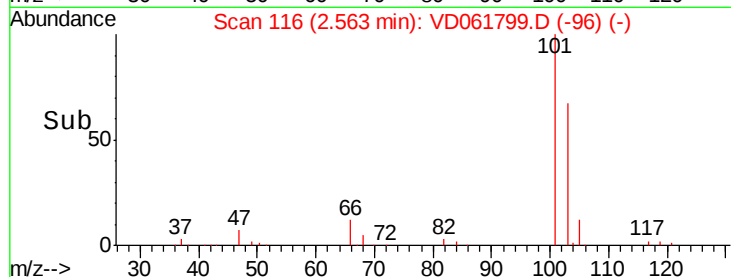
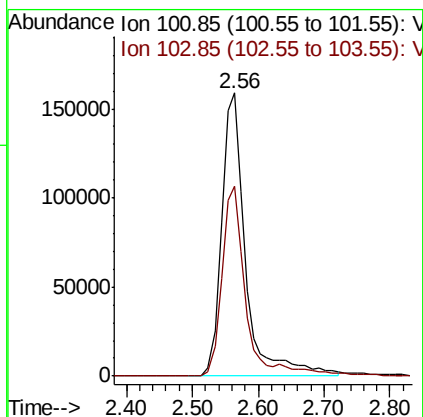
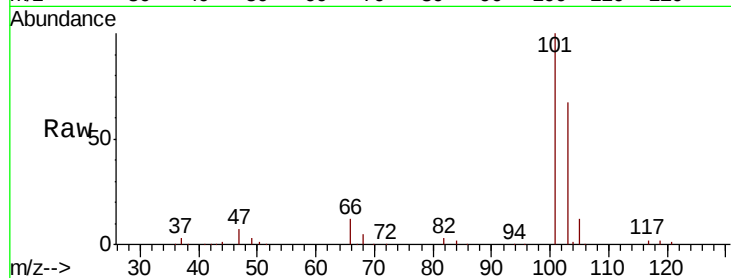


#7

Trichlorofluoromethane
Concen: 49.722 ug/l
RT: 2.56 min Scan# 116
Delta R.T. 0.00 min
Lab File: VD061799.D
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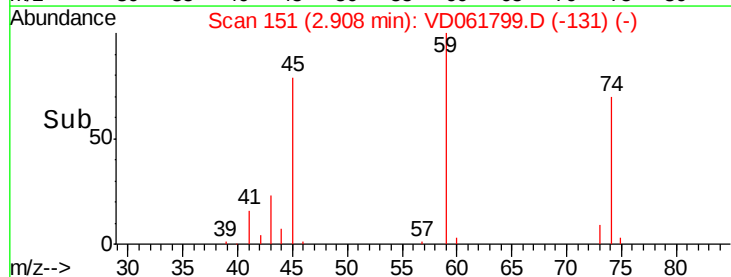
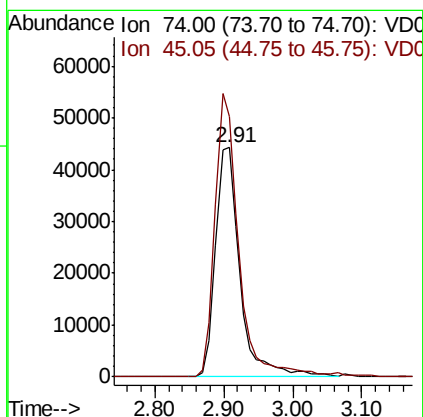
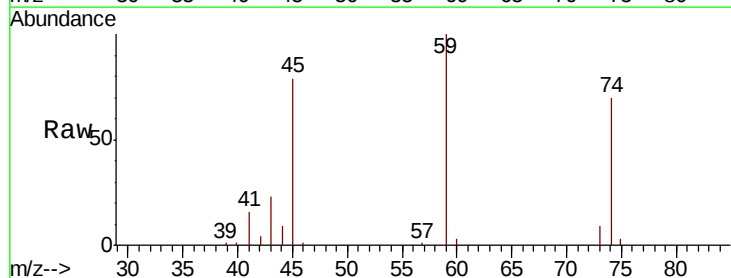
Tot Ion:101 Resp: 404193
Ion Ratio Lower Upper
101 100
103 67.0 53.6 80.4

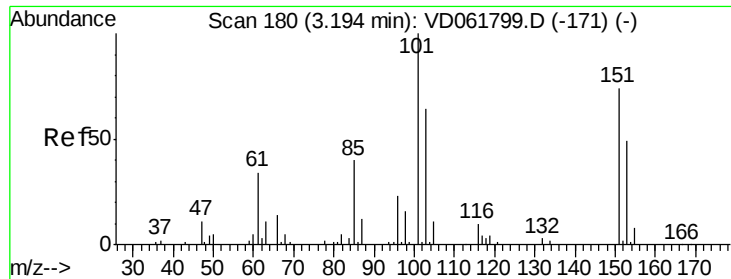


#8

Diethyl Ether
Concen: 51.095 ug/l
RT: 2.91 min Scan# 151
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 74 Resp: 109077
Ion Ratio Lower Upper
74 100
45 113.8 56.9 170.7

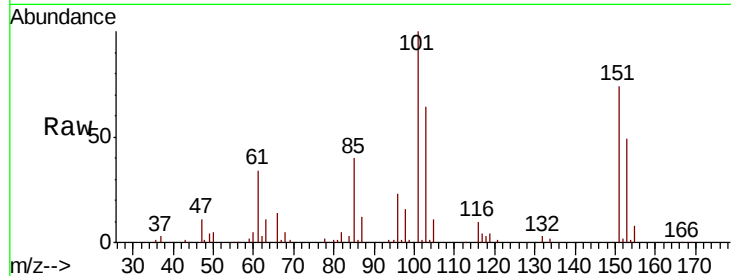




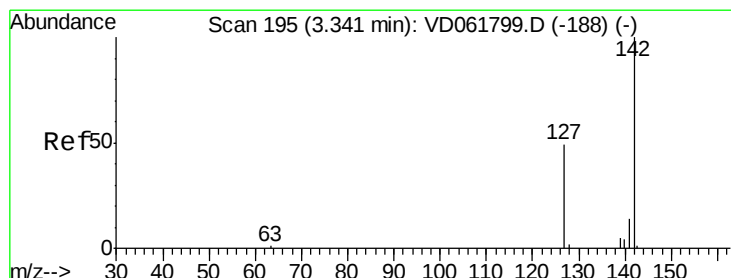
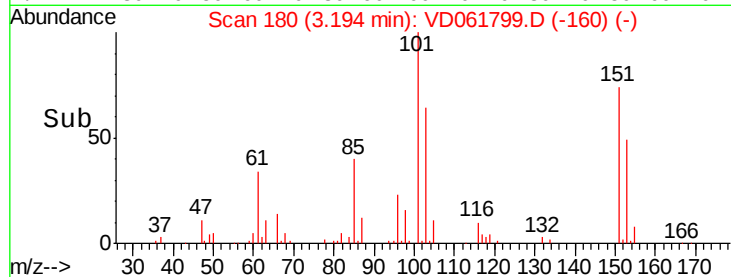
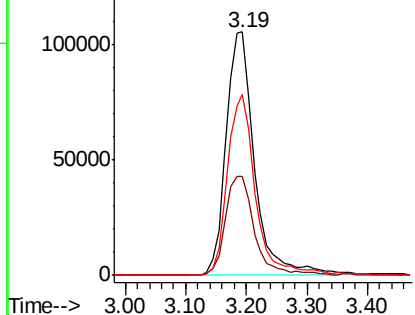
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.654 ug/l
 RT: 3.19 min Scan# 180
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 345872
 Ion Ratio Lower Upper
 101 100
 85 40.5 32.4 48.6
 151 74.2 59.4 89.0

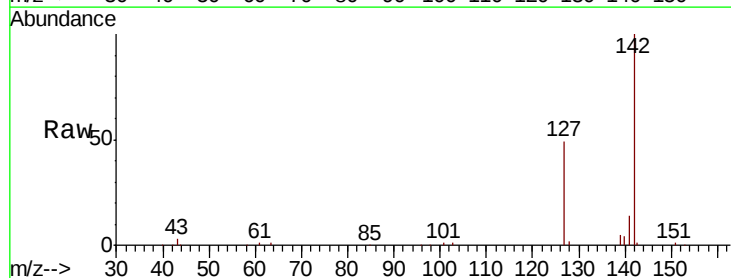


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

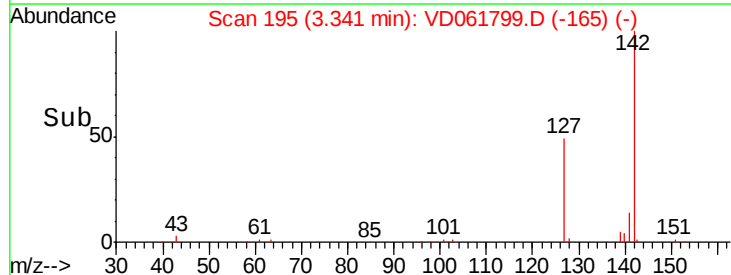
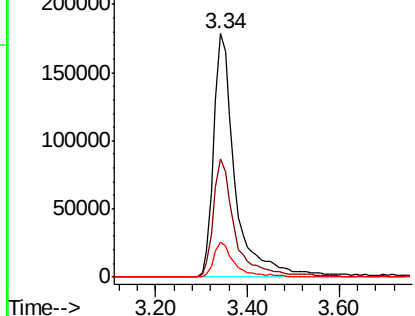


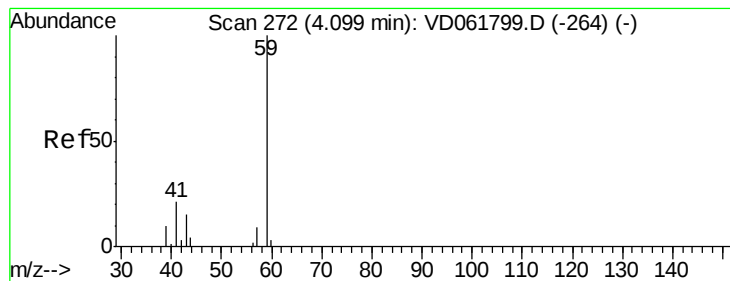
#10
 Methyl Iodide
 Concen: 59.050 ug/l
 RT: 3.34 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion:142 Resp: 577936
 Ion Ratio Lower Upper
 142 100
 127 48.5 38.8 58.2
 141 14.2 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



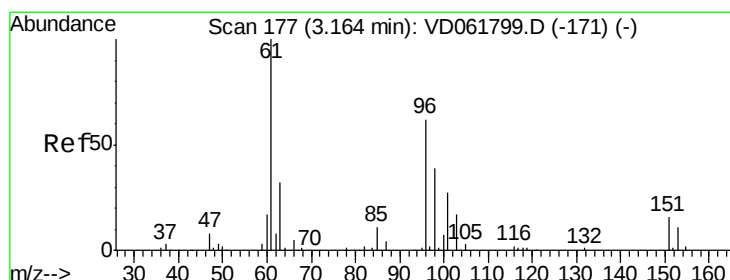
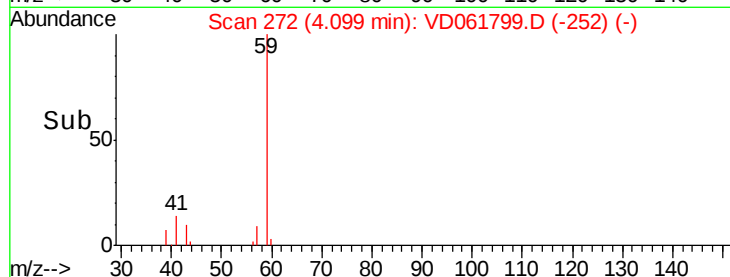
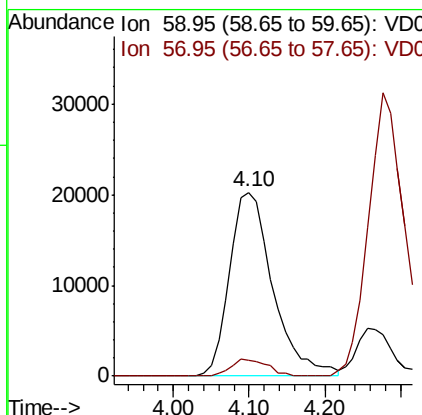
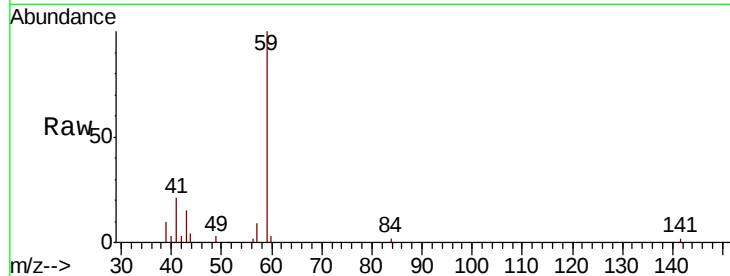


#11

Tert butyl alcohol
Concen: 250.144 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

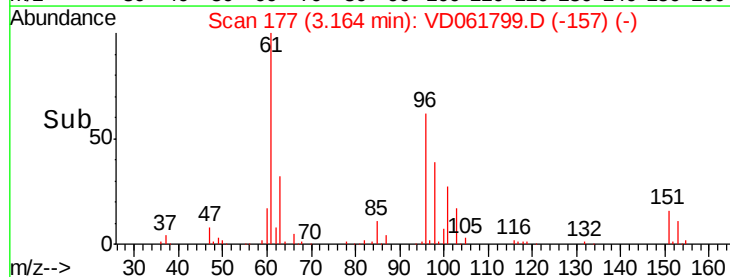
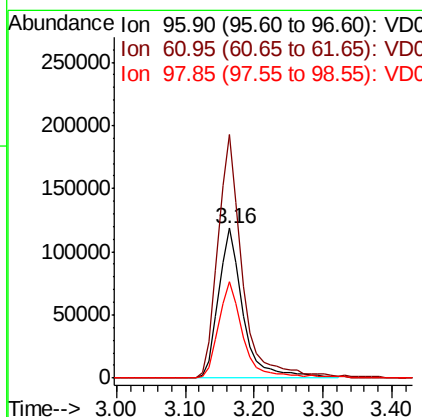
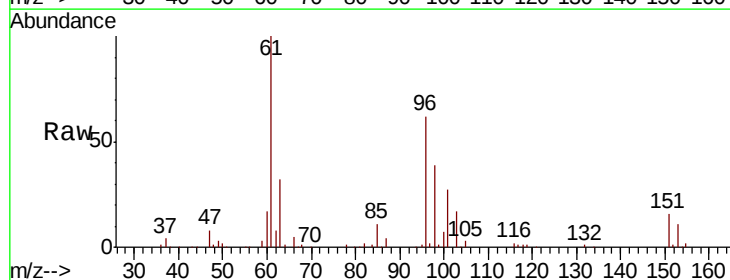
Tot Ion: 59 Resp: 80415
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3

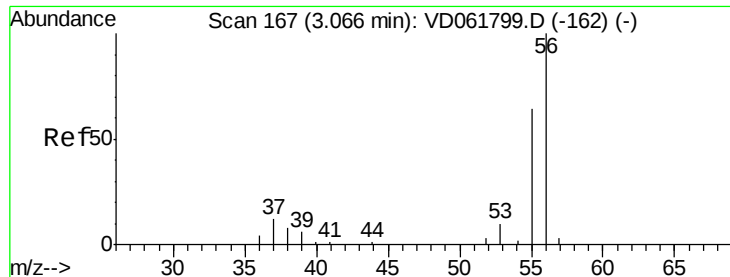


#12

1,1-Dichloroethene
Concen: 48.410 ug/l
RT: 3.16 min Scan# 177
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 96 Resp: 295551
Ion Ratio Lower Upper
96 100
61 162.3 129.8 194.8
98 64.0 51.2 76.8

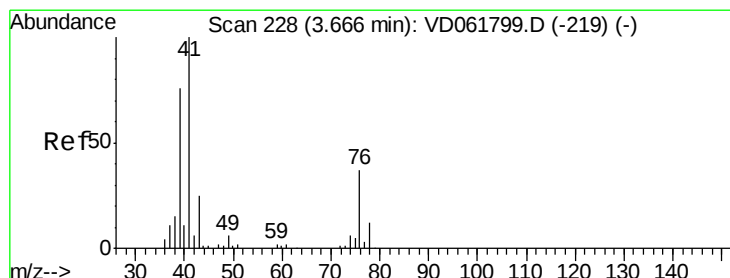
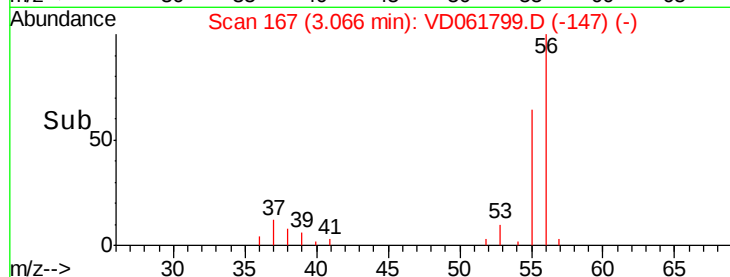
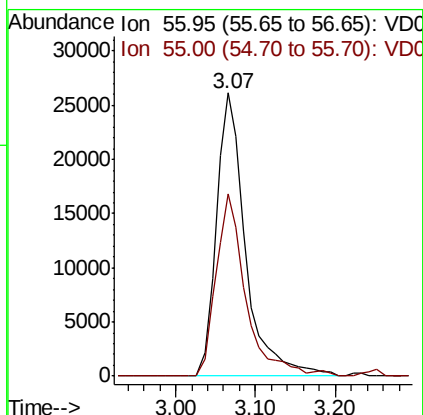
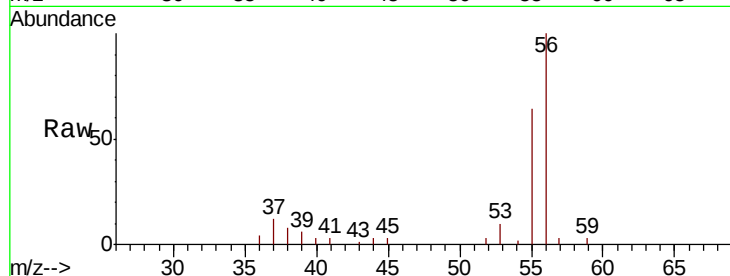




#13
 Acrolein
 Concen: 215.386 ug/l
 RT: 3.07 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

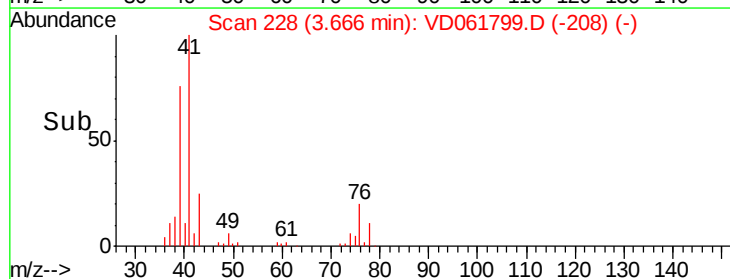
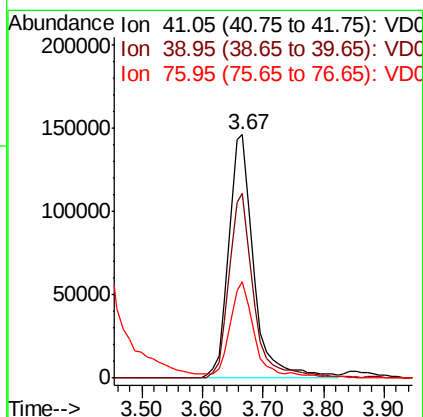
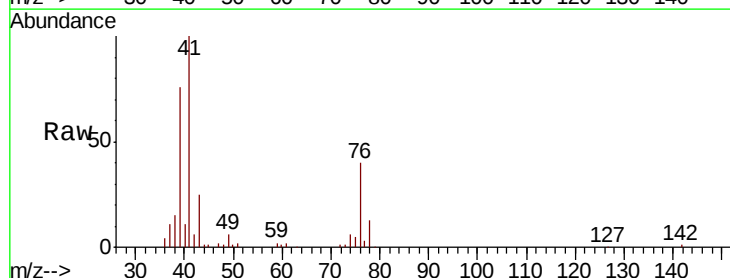
Instrument :
 MSVOA_D
 ClientSampleId :

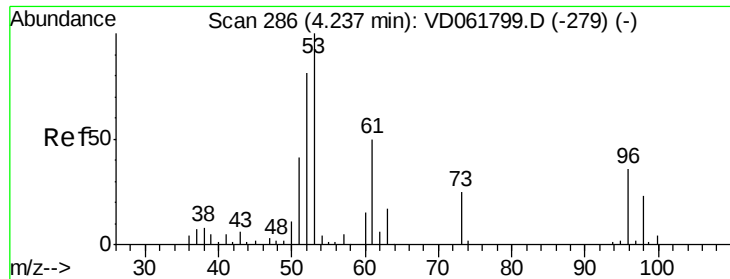
Tot Ion: 56 Resp: 67081
 Ion Ratio Lower Upper
 56 100
 55 64.3 51.4 77.2



#14
 Allyl chloride
 Concen: 50.422 ug/l
 RT: 3.67 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 41 Resp: 419674
 Ion Ratio Lower Upper
 41 100
 39 75.6 60.5 90.7
 76 39.8 31.8 47.8





#15

Acrylonitrile

Concen: 246.326 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampled :

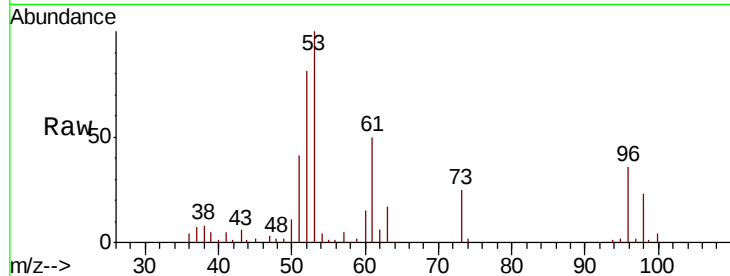
Tot Ion: 53 Resp: 248607

Ion Ratio Lower Upper

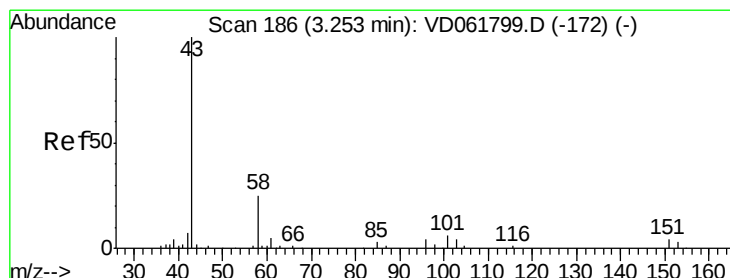
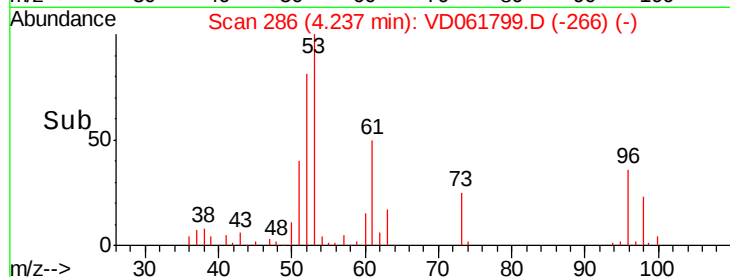
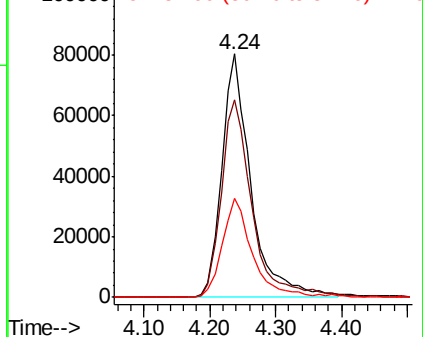
53 100

52 81.2 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: 258.724 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.00 min

Lab File: VD061799.D

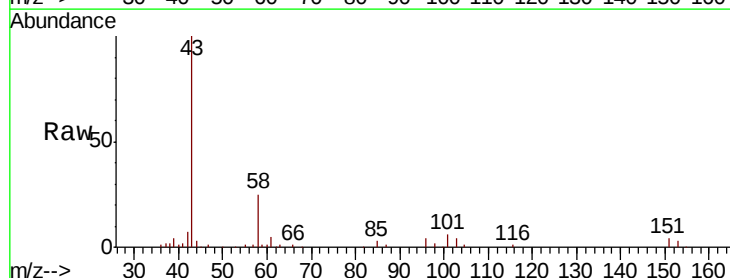
Acq: 15 Apr 2019 14:09

Tgt Ion: 43 Resp: 347661

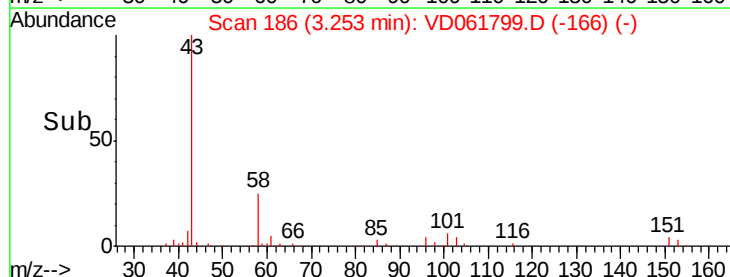
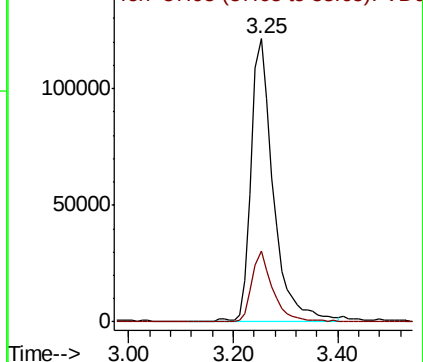
Ion Ratio Lower Upper

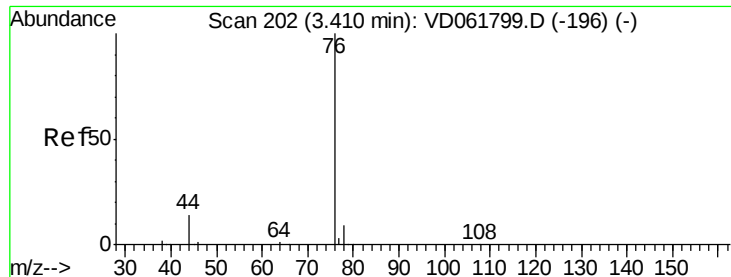
43 100

58 24.9 19.9 29.9



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

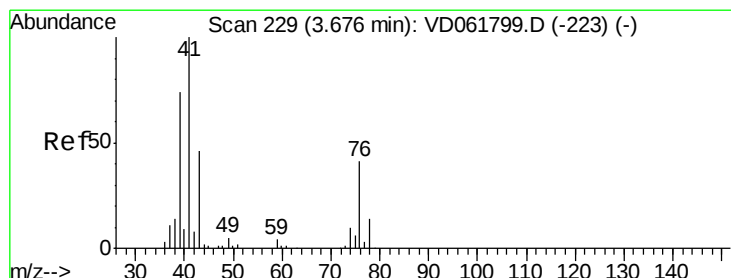
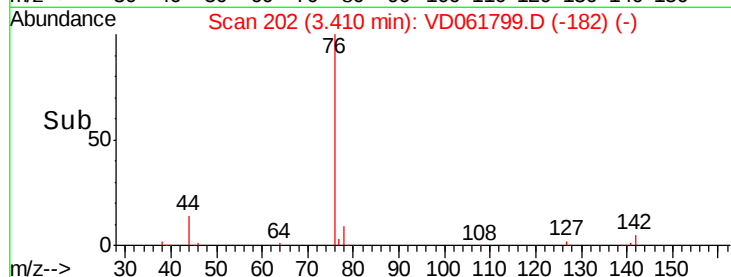
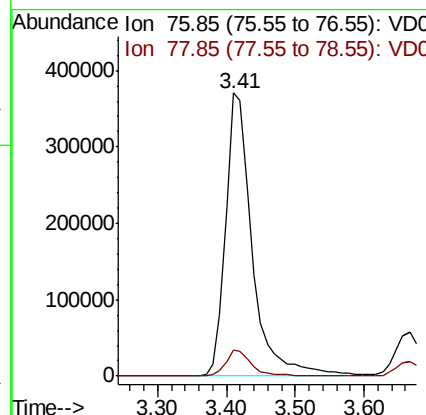
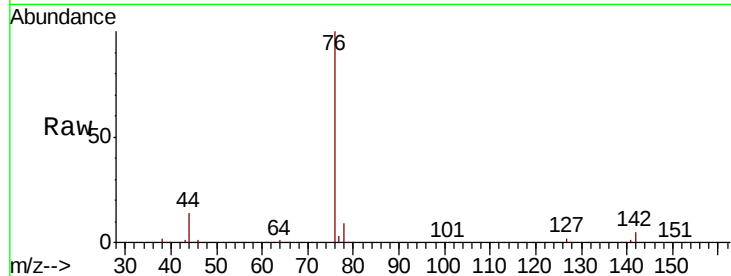




#17
Carbon Disulfide
Concen: 50.251 ug/l
RT: 3.41 min Scan# 202
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

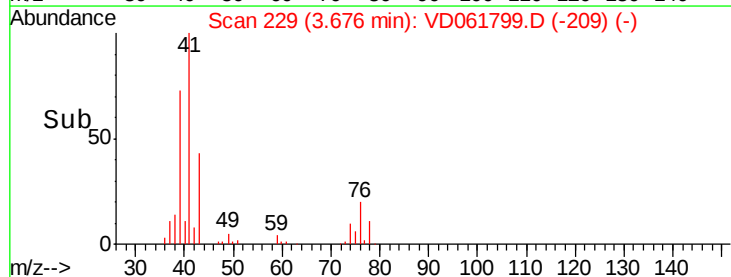
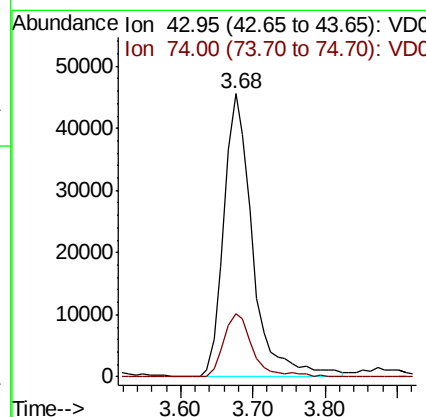
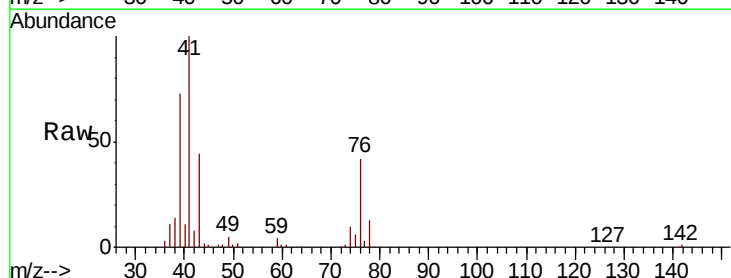
Instrument :
MSVOA_D
ClientSampleId :

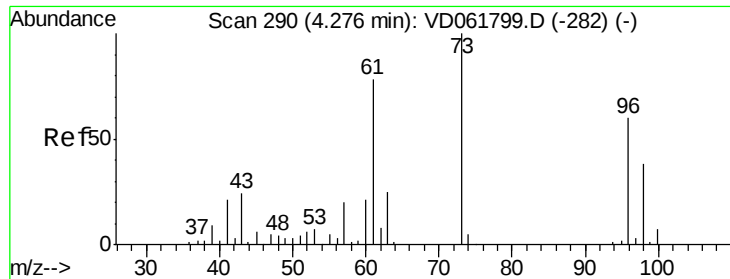
Tot Ion: 76 Resp: 991522
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 46.777 ug/l
RT: 3.68 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 43 Resp: 126053
Ion Ratio Lower Upper
43 100
74 22.5 18.0 27.0

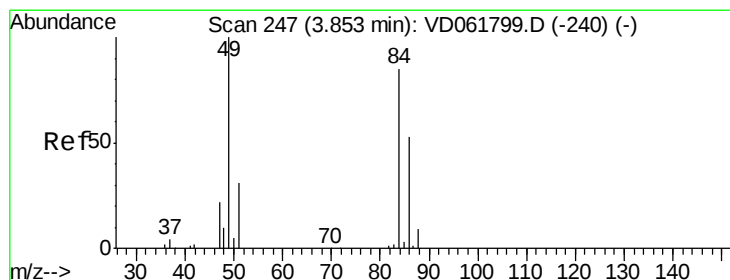
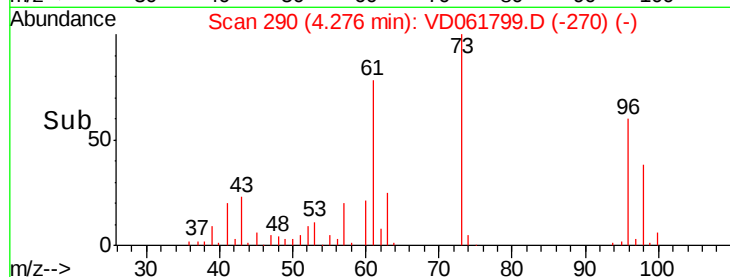
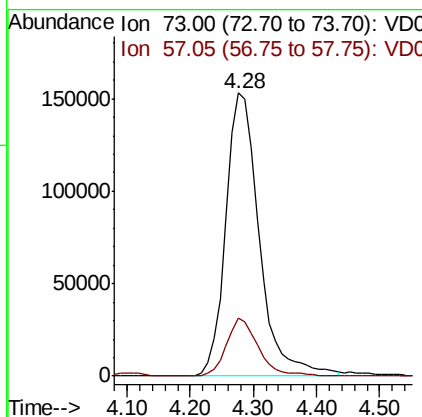
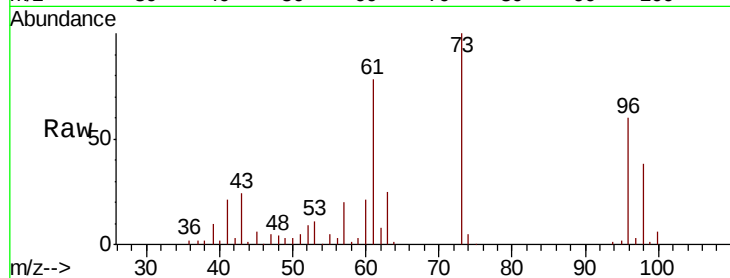




#19
Methyl tert-butyl Ether
Concen: 49.632 ug/l
RT: 4.28 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

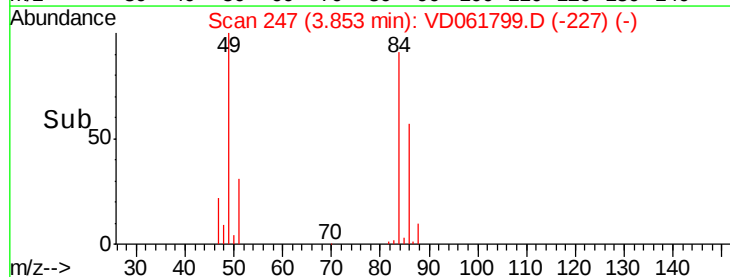
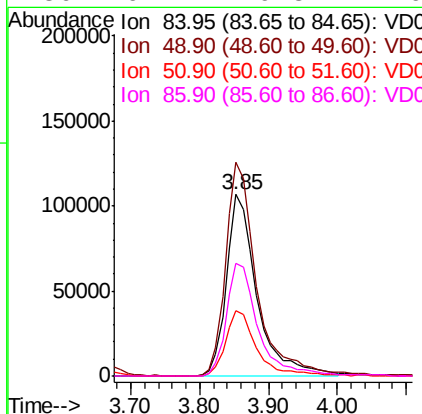
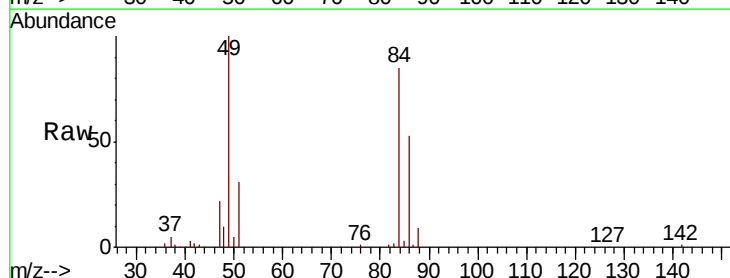
Instrument :
MSVOA_D
ClientSampleId :

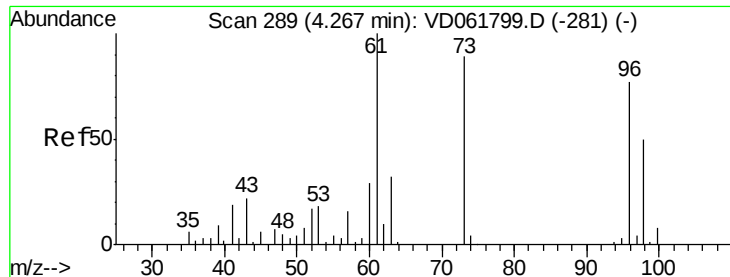
Tot Ion: 73 Resp: 564119
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5



#20
Methylene Chloride
Concen: 40.590 ug/l
RT: 3.85 min Scan# 247
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 84 Resp: 329133
Ion Ratio Lower Upper
84 100
49 117.5 94.0 141.0
51 36.2 29.0 43.4
86 62.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.959 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

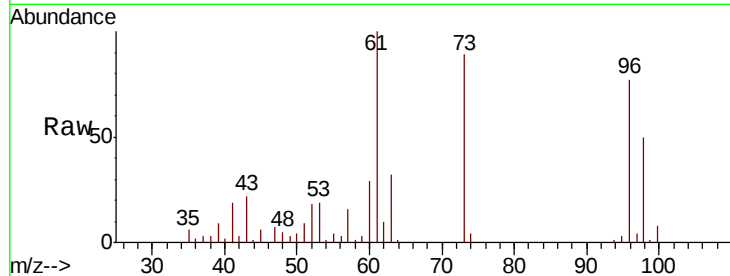
Tot Ion: 96 Resp: 334975

Ion Ratio Lower Upper

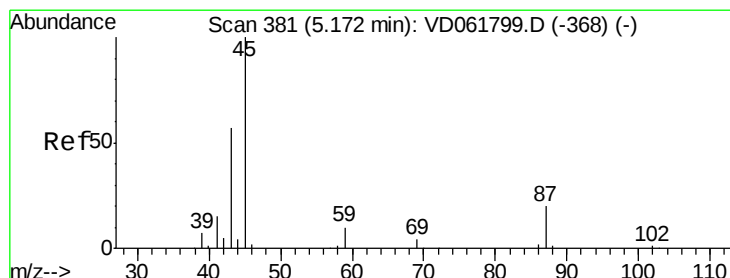
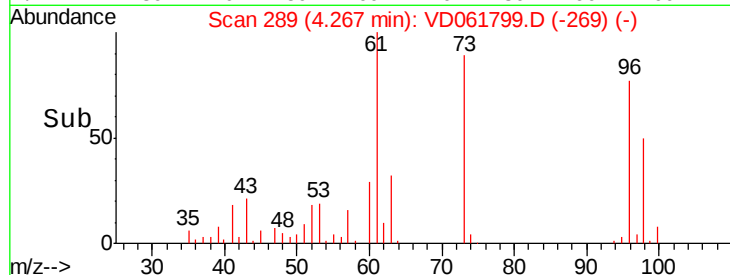
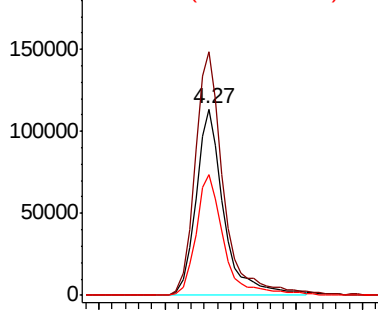
96 100

61 130.5 104.4 156.6

98 64.8 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: 50.841 ug/l

RT: 5.17 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Tgt Ion: 45 Resp: 902994

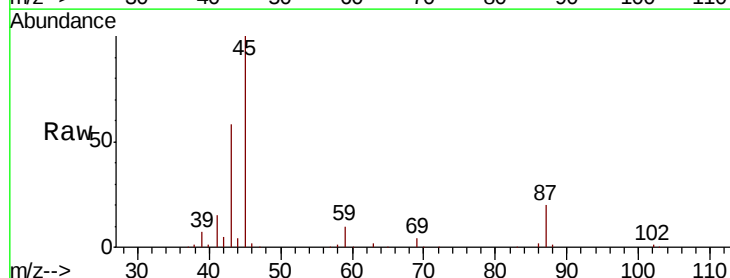
Ion Ratio Lower Upper

45 100

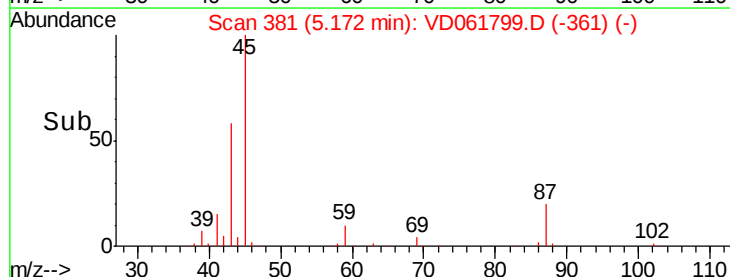
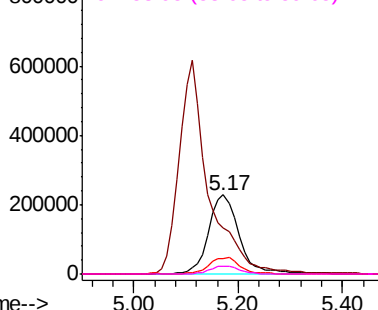
43 57.7 46.2 69.2

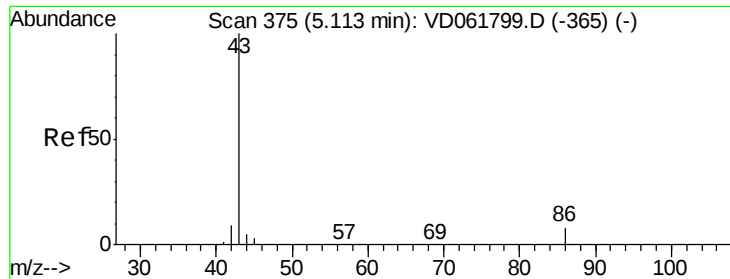
87 19.9 15.9 23.9

59 9.9 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: 252.451 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

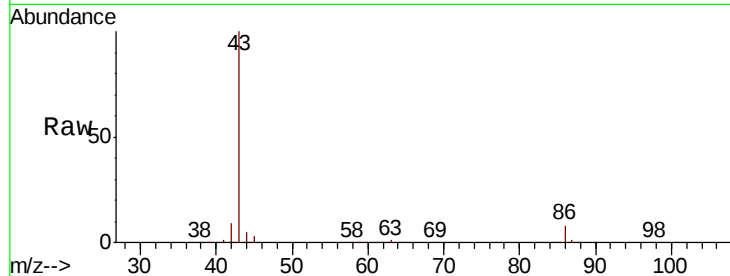
ClientSampleId :

Tot Ion: 43 Resp: 2393204

Ion Ratio Lower Upper

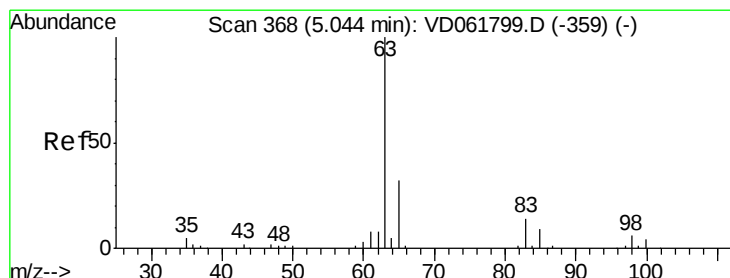
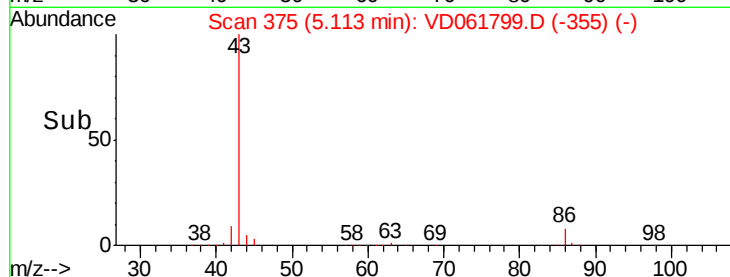
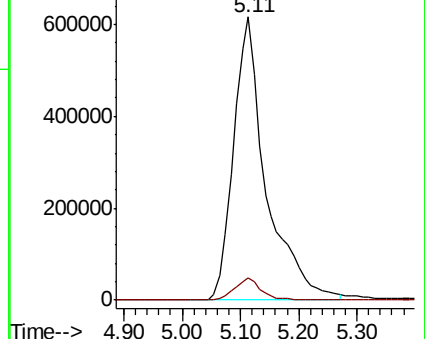
43 100

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



#24

1,1-Dichloroethane

Concen: 48.691 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

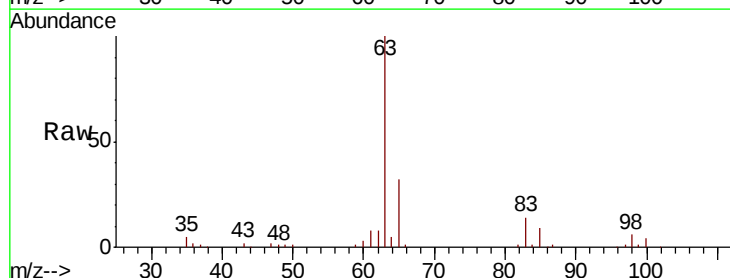
Tgt Ion: 63 Resp: 524887

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

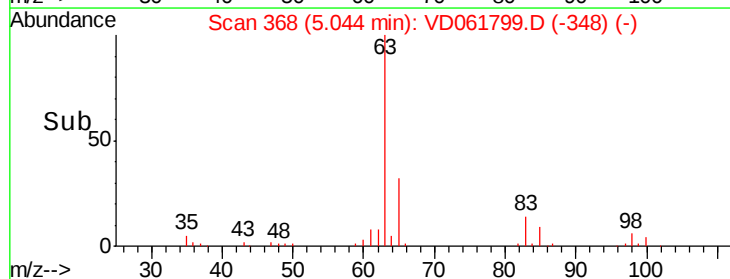
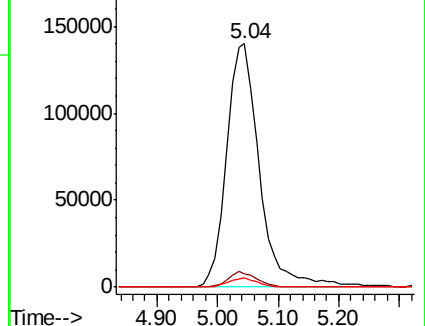
100 3.7 1.8 5.5

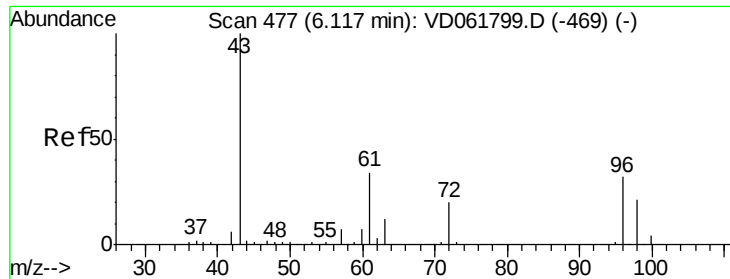


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 242.793 ug/l

RT: 6.12 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

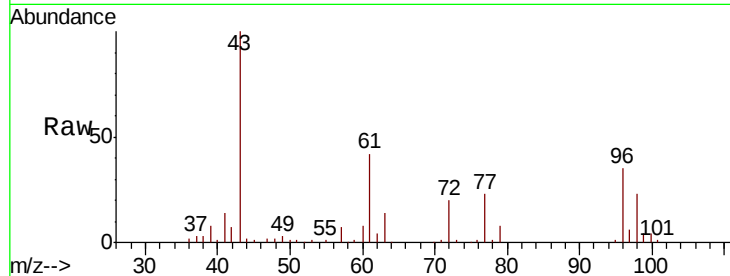
ClientSampleId :

Tot Ion: 43 Resp: 371486

Ion Ratio Lower Upper

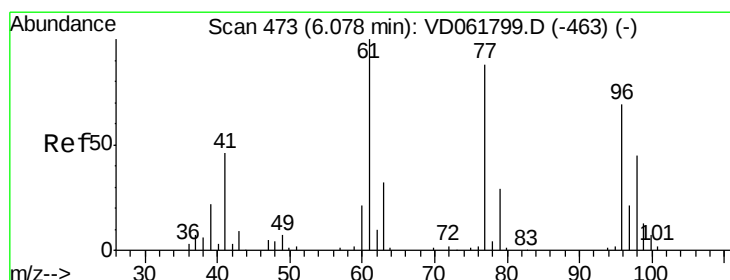
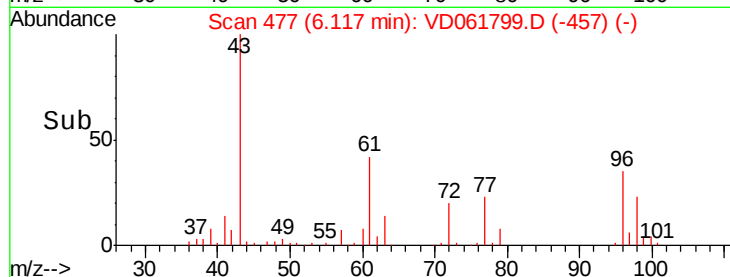
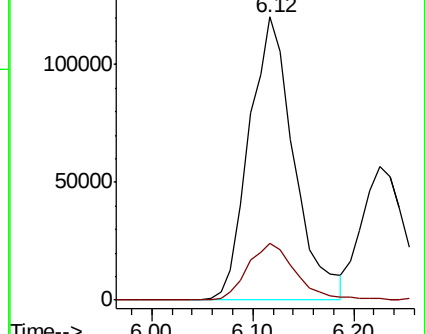
43 100

72 20.3 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: 48.301 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061799.D

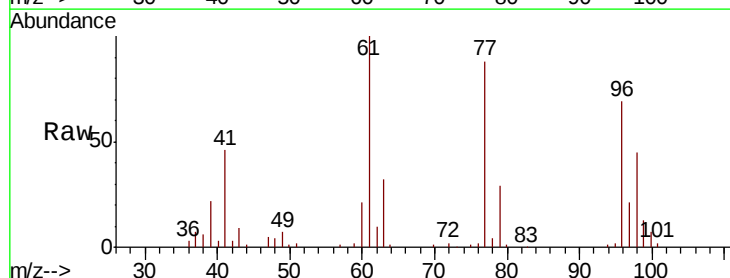
Acq: 15 Apr 2019 14:09

Tgt Ion: 77 Resp: 450520

Ion Ratio Lower Upper

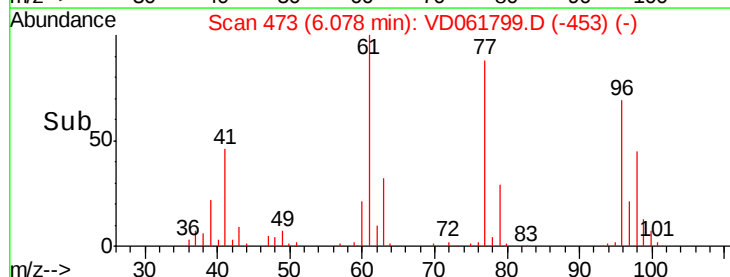
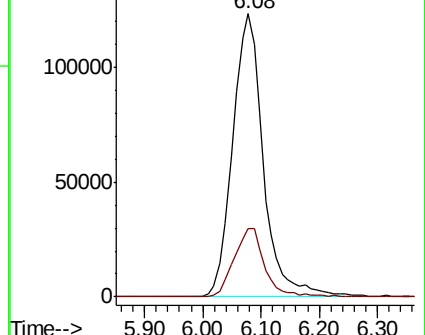
77 100

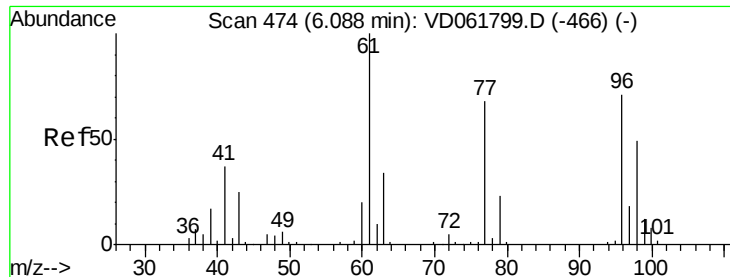
97 23.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



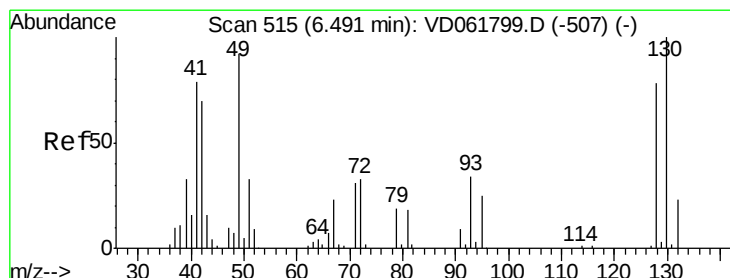
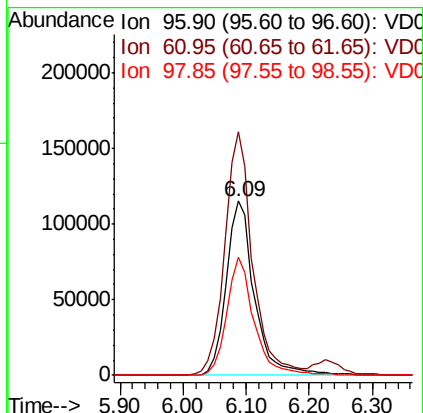
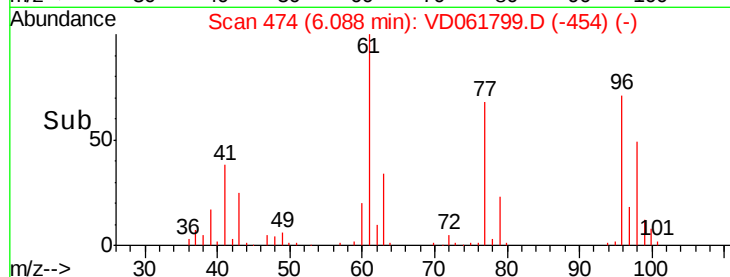
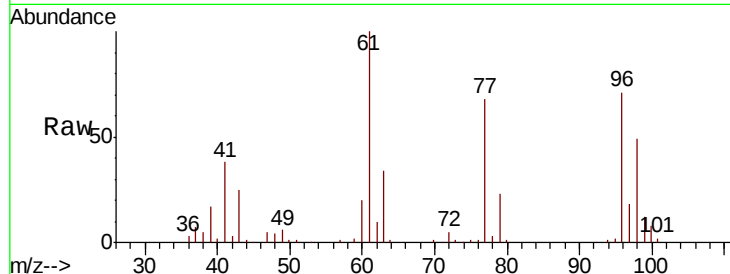


#27

cis-1,2-Dichloroethene
Concen: 48.594 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

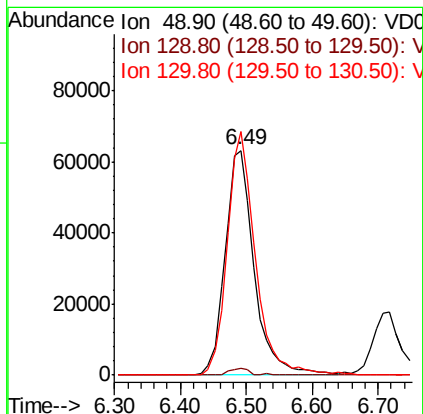
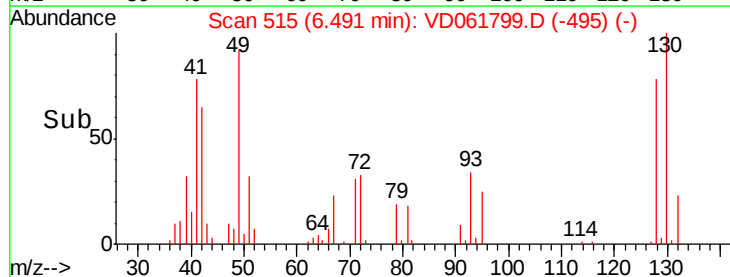
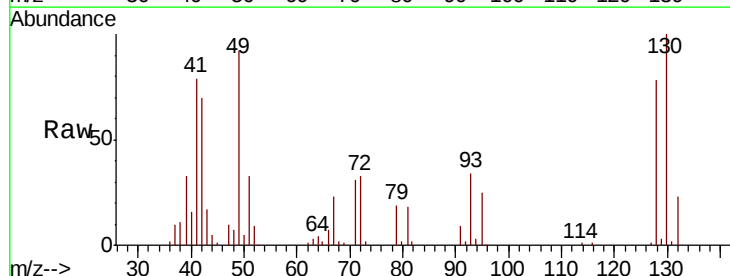
Tot Ion	96	Resp	353628
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	279.8
98	68.0	0.0	136.0

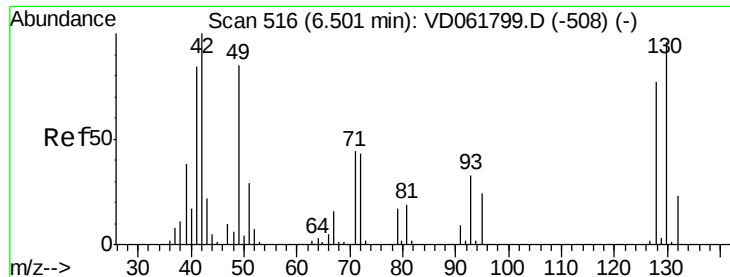


#28

Bromochloromethane
Concen: 47.800 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	49	Resp	195926
Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	6.6
130	108.4	86.7	130.1

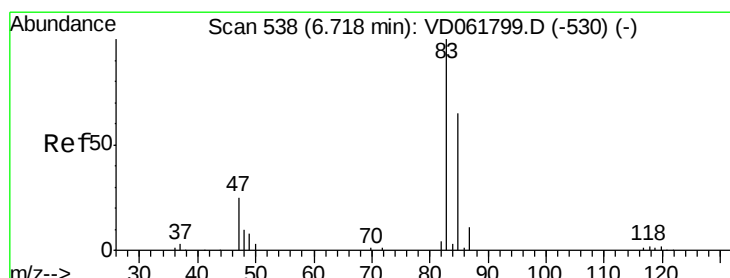
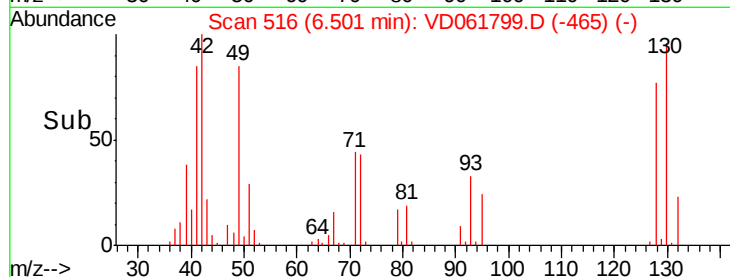
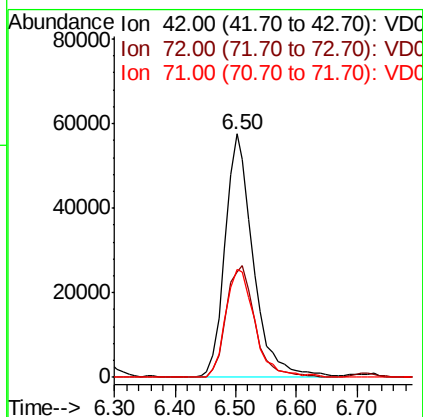
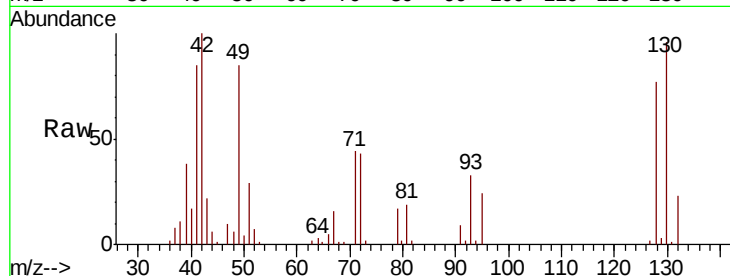




#29
Tetrahydrofuran
Concen: 249.067 ug/l
RT: 6.50 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

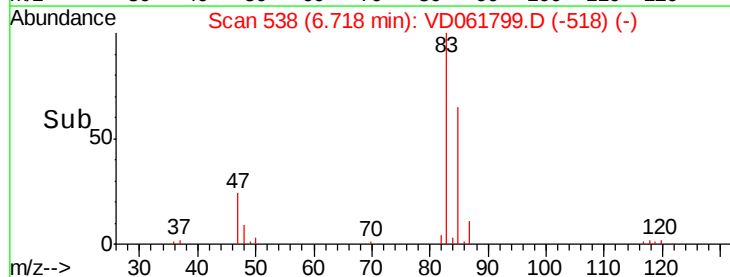
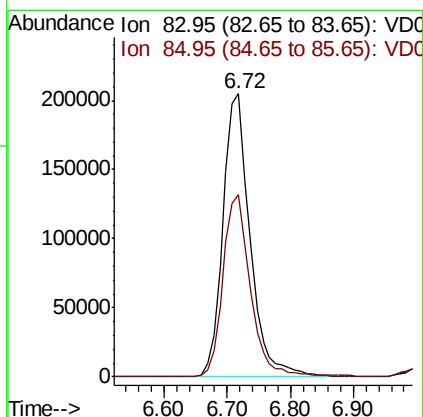
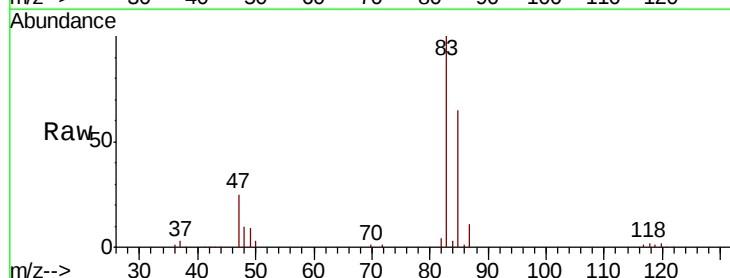
Instrument :
MSVOA_D
ClientSampleId :

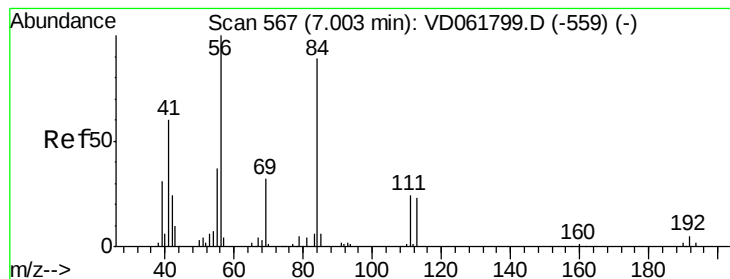
Tot Ion: 42 Resp: 185642
Ion Ratio Lower Upper
42 100
72 47.2 37.8 56.6
71 45.9 36.7 55.1



#30
Chloroform
Concen: 50.885 ug/l
RT: 6.72 min Scan# 538
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 83 Resp: 612319
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5





#31

Cvclohexane

Concen: 51.992 ug/l

RT: 7.00 min Scan# 567

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

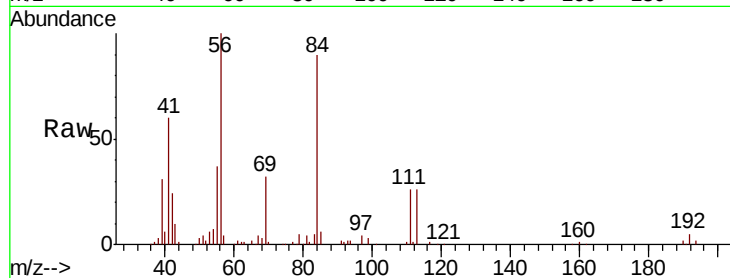
Tot Ion: 56 Resp: 429389

Ion Ratio Lower Upper

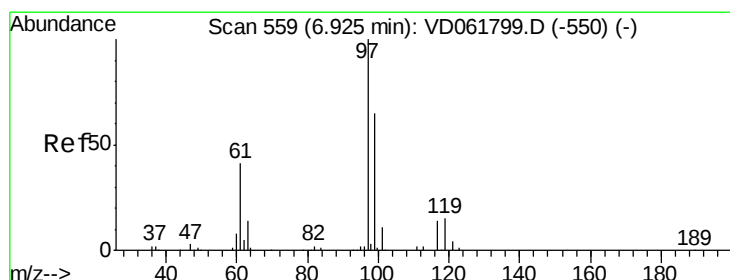
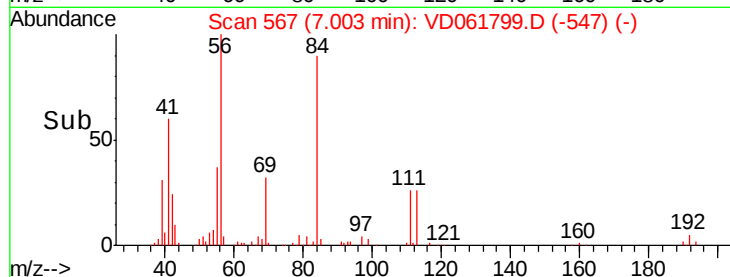
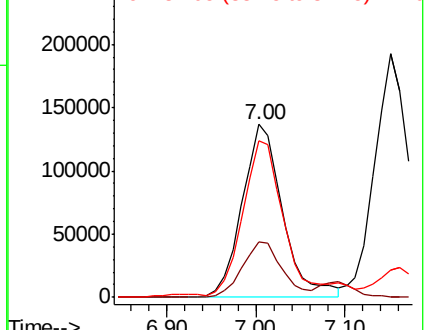
56 100

69 32.2 25.8 38.6

84 90.3 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 50.093 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

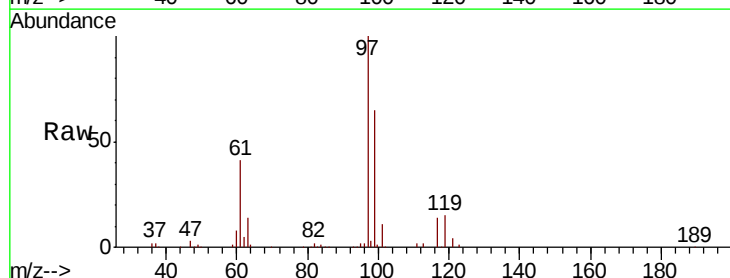
Tgt Ion: 97 Resp: 534329

Ion Ratio Lower Upper

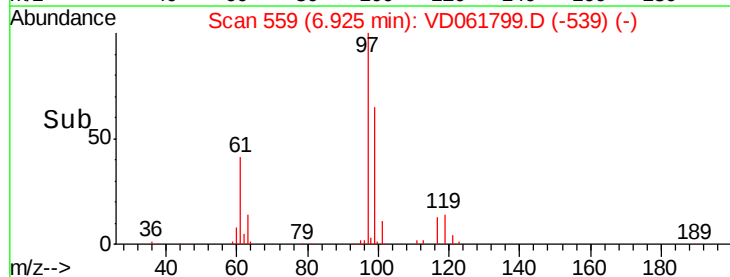
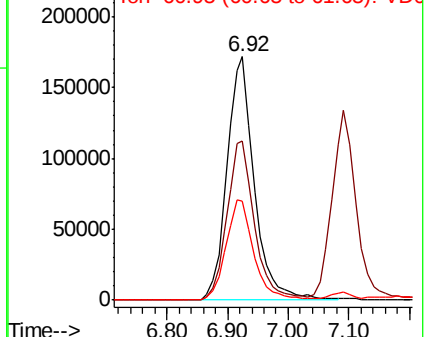
97 100

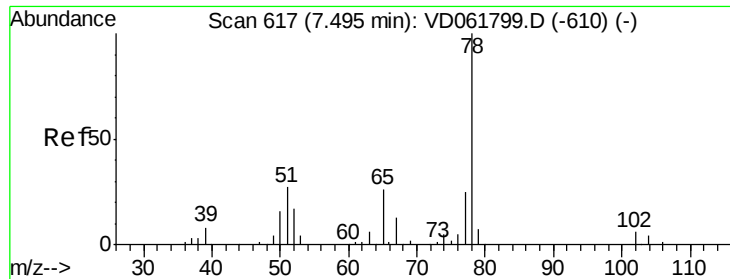
99 65.2 52.2 78.2

61 40.5 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

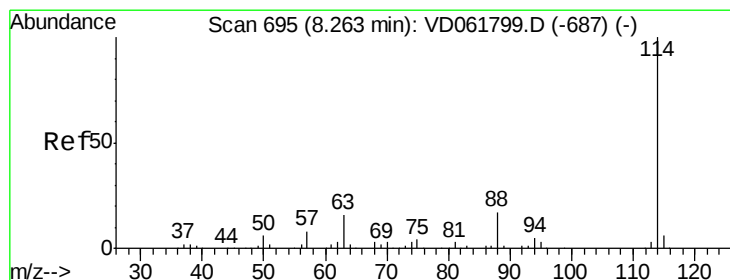
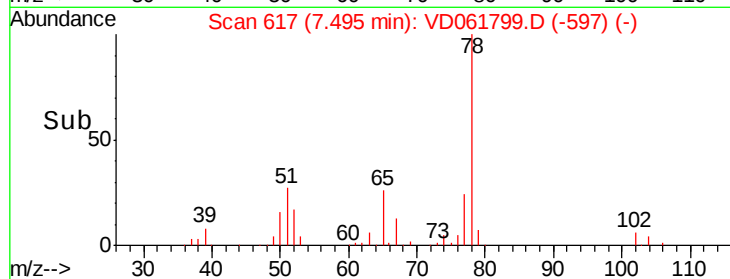
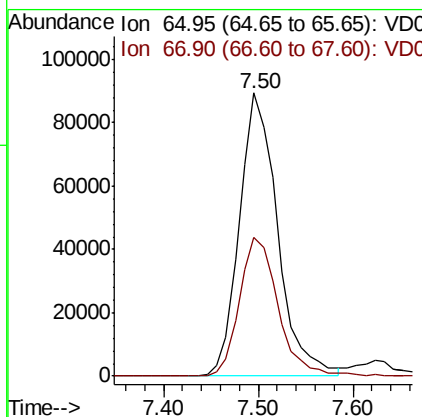
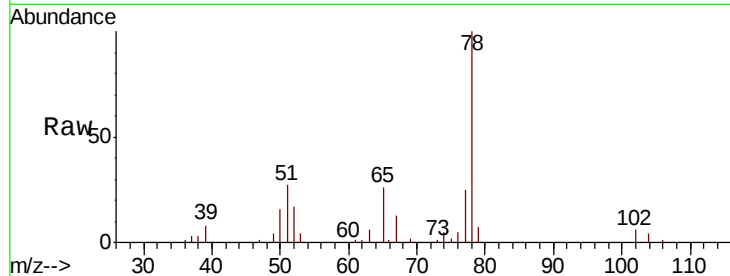




#33
 1,2-Dichloroethane-d4
 Concen: 50.093 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

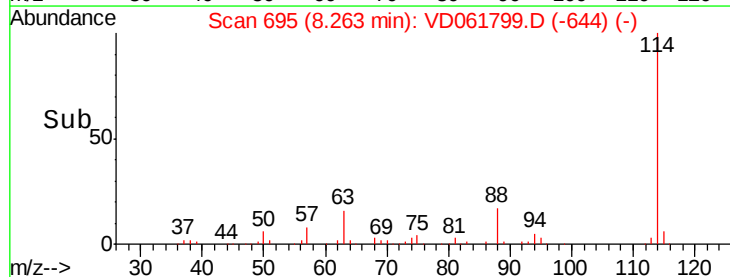
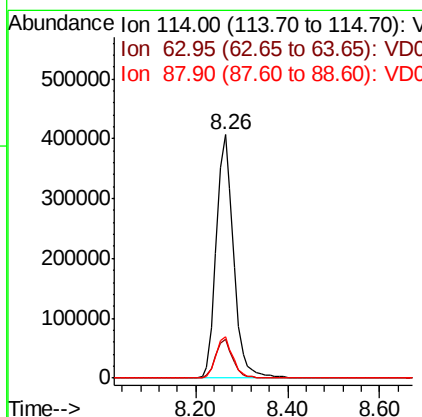
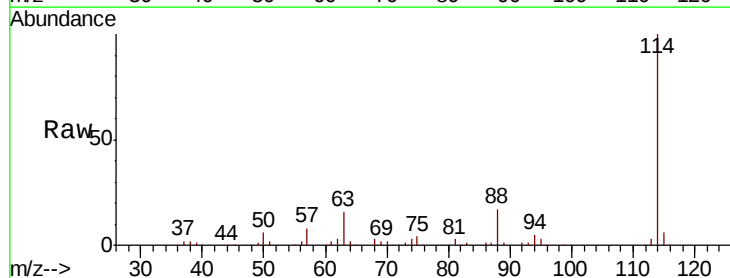
Instrument :
 MSVOA_D
 ClientSampleId :

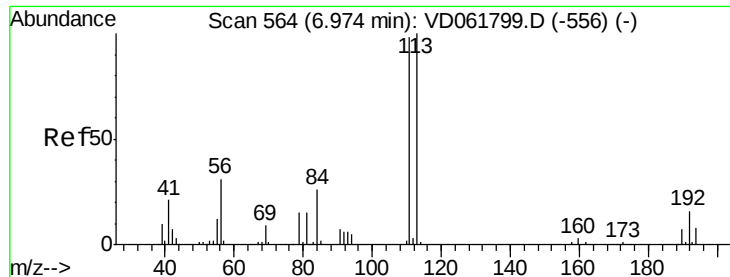
Tot Ion: 65 Resp: 250691
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.26 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 114 Resp: 1049563
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 32.4
 88 16.8 0.0 33.6

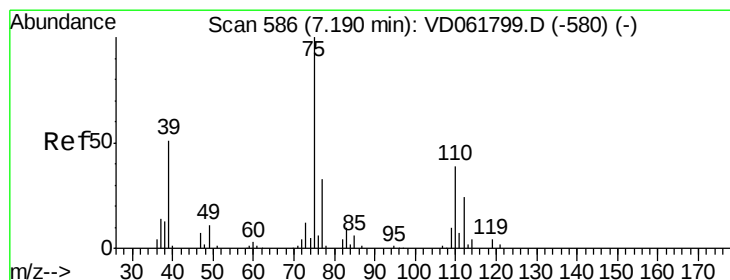
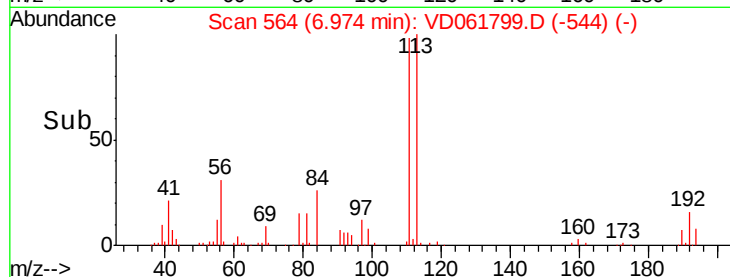
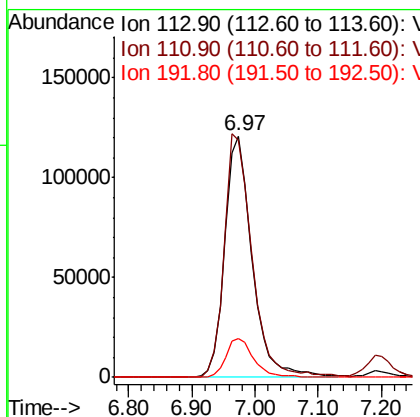
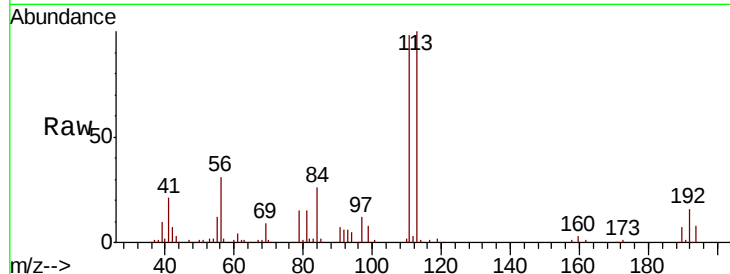




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.97 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

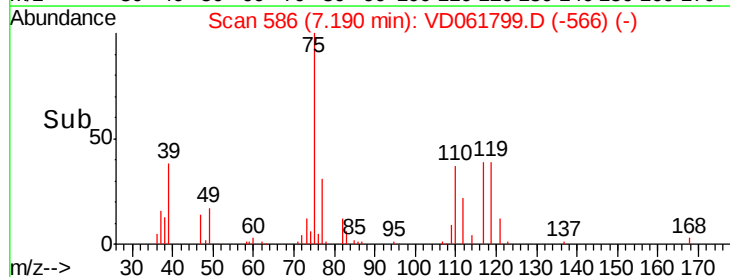
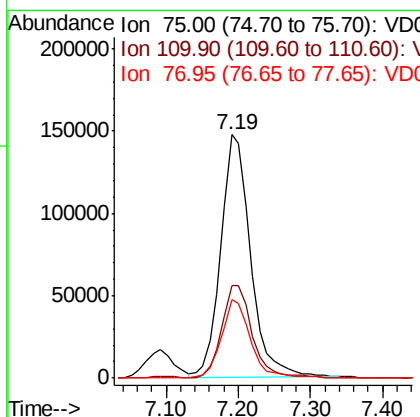
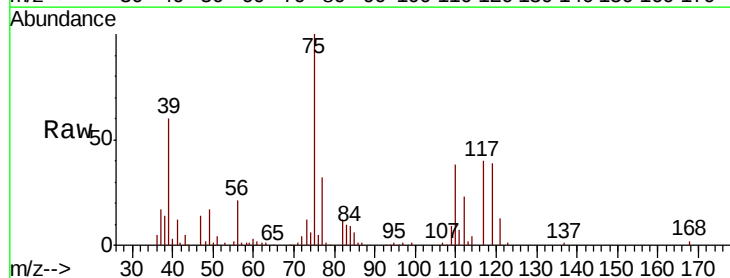
Instrument :
 MSVOA_D
 ClientSampleId :

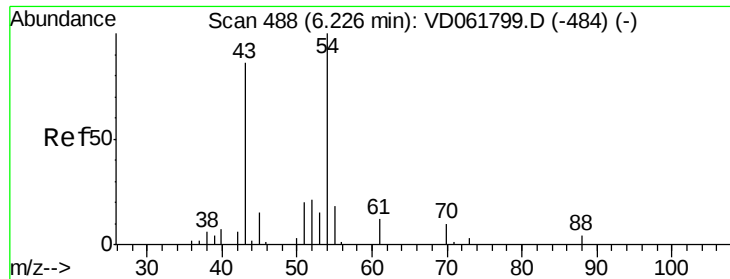
Tot Ion:113 Resp: 363450
 Ion Ratio Lower Upper
 113 100
 111 98.1 78.5 117.7
 192 16.2 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 49.314 ug/l
 RT: 7.19 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 75 Resp: 423031
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.1 57.1
 77 32.0 25.6 38.4

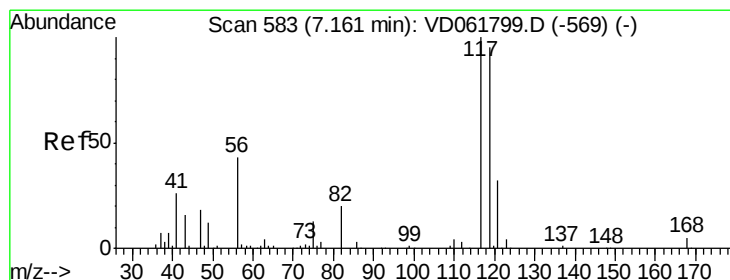
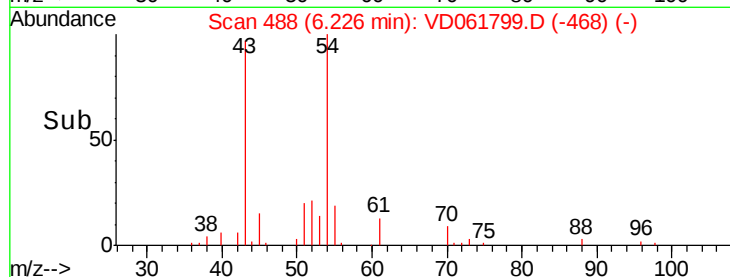
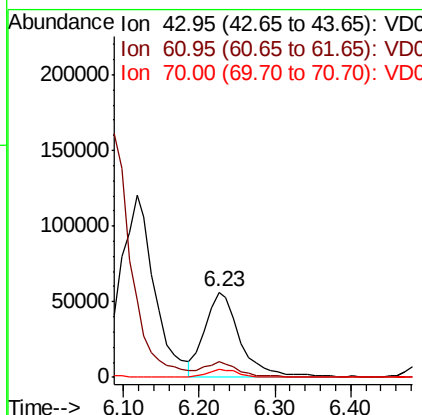
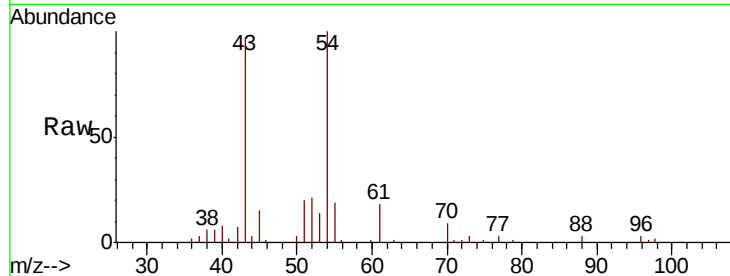




#37
Ethyl Acetate
Concen: 49.090 ug/l
RT: 6.23 min Scan# 488
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

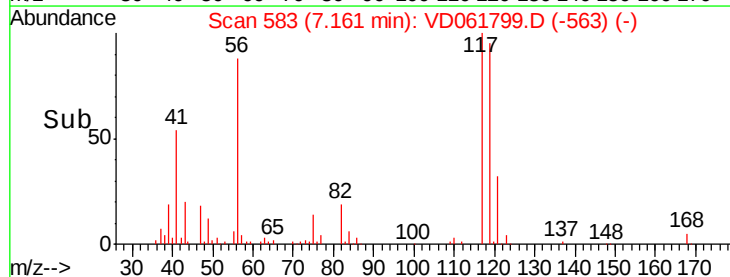
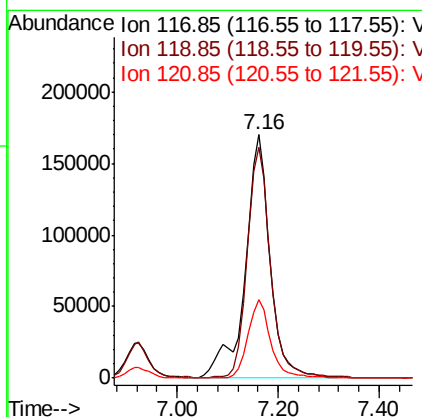
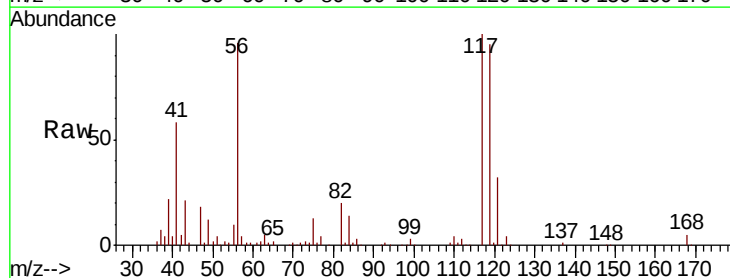
Instrument :
MSVOA_D
ClientSampleID :

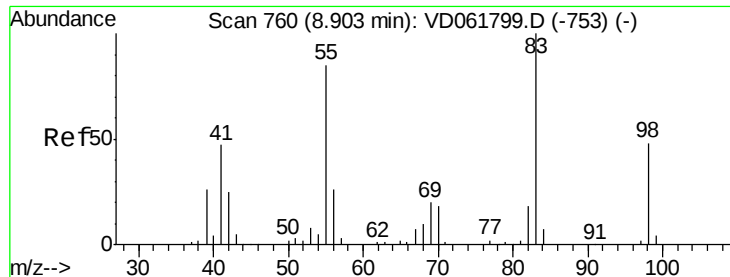
Tot Ion: 43 Resp: 180196
Ion Ratio Lower Upper
43 100
61 18.4 14.7 22.1
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 52.240 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 117 Resp: 583297
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8
121 32.4 25.9 38.9

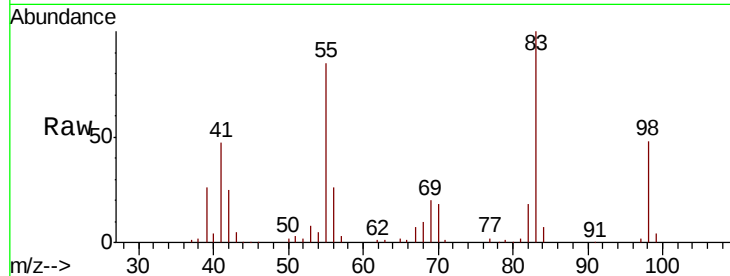




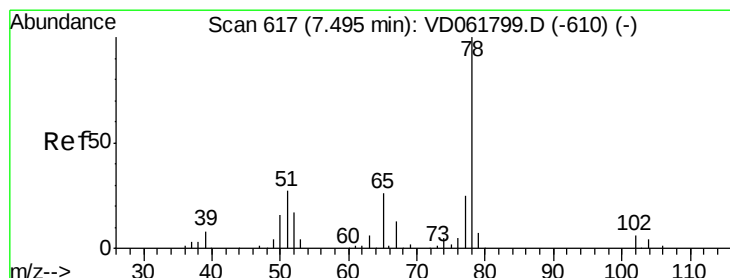
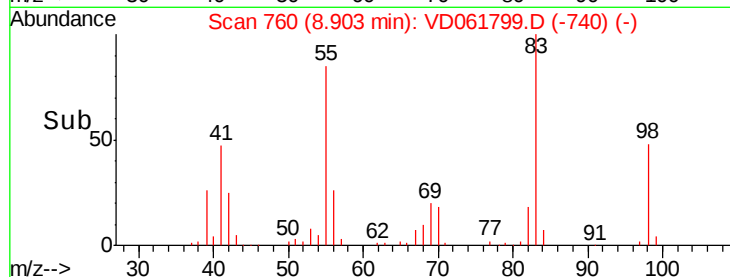
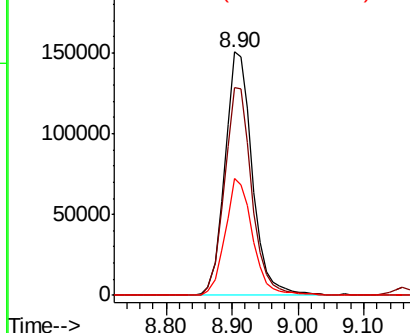
#39
Methvlcvclohexane
Concen: 49.307 ug/l
RT: 8.90 min Scan# 760
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 439147
Ion Ratio Lower Upper
83 100
55 85.3 68.2 102.4
98 47.8 38.2 57.4

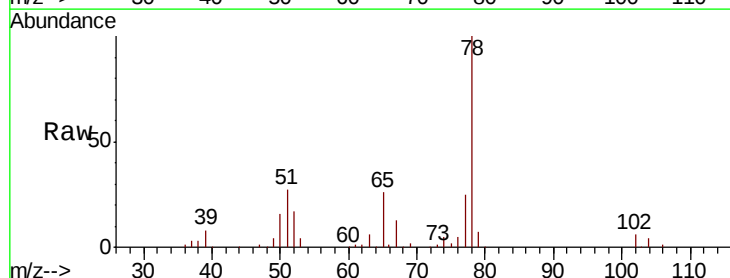


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

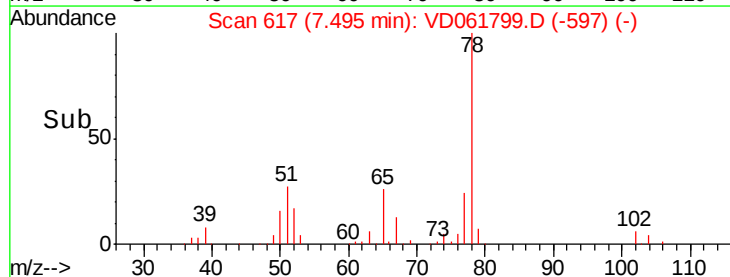
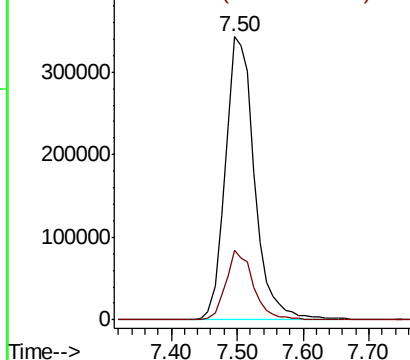


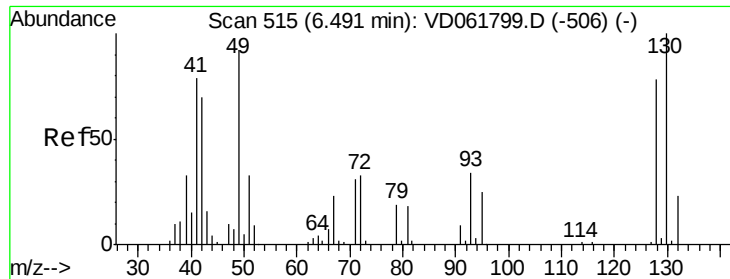
#40
Benzene
Concen: 51.620 ug/l
RT: 7.50 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 78 Resp: 1063033
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5



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

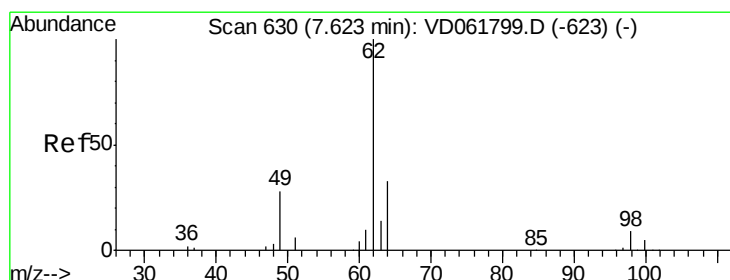
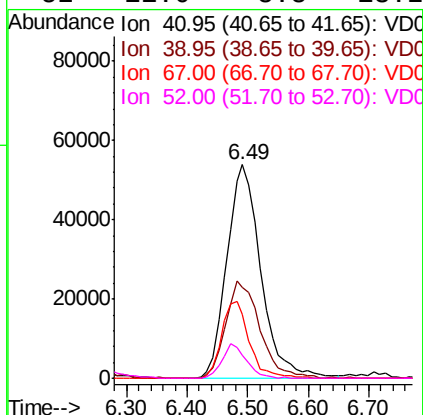
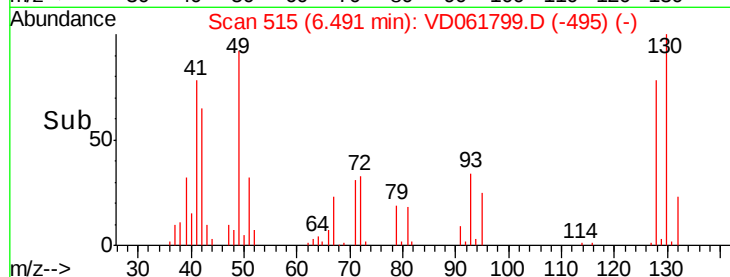
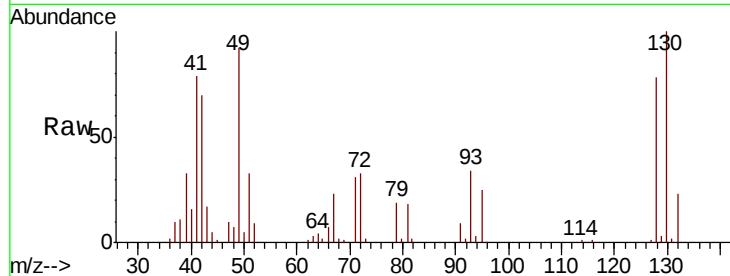




#41
Methacrylonitrile
Concen: 48.433 ug/l
RT: 6.49 min Scan# 515
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

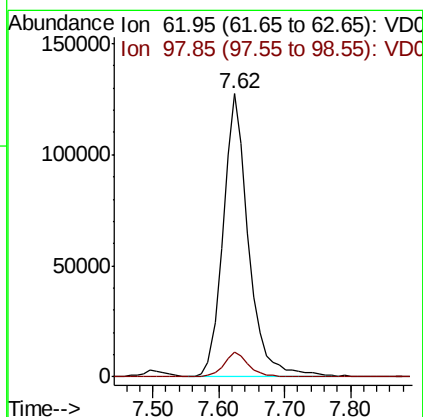
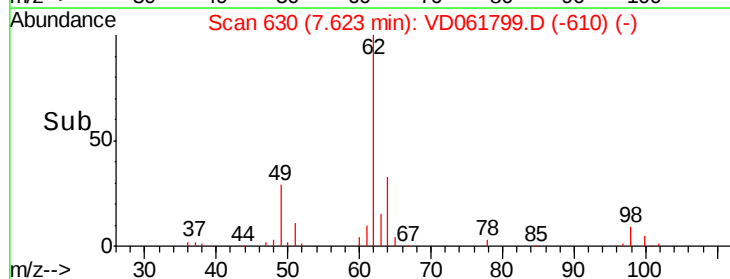
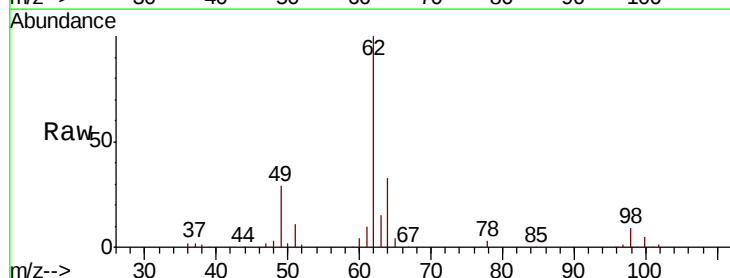
Instrument :
MSVOA_D
ClientSampled :

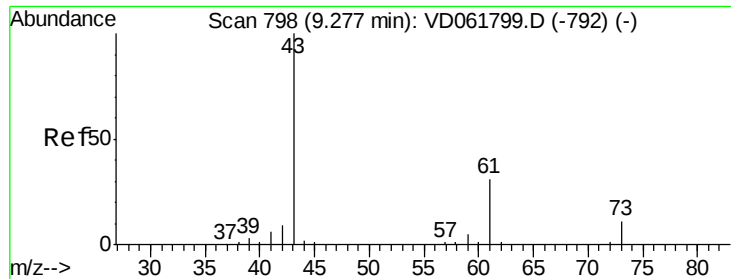
Tot Ion	Ratio	Lower	Upper
41	100		
39	42.6	34.1	51.1
67	29.7	23.8	35.6
52	11.0	8.8	13.2



#42
1,2-Dichloroethane
Concen: 47.880 ug/l
RT: 7.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.8



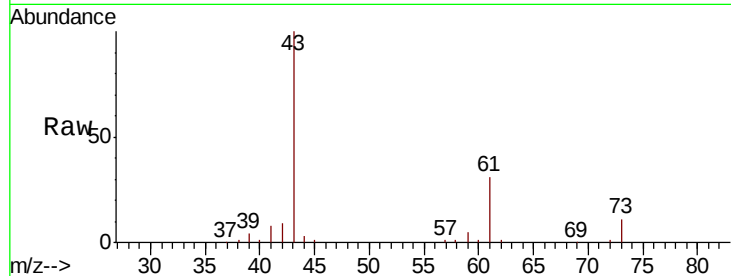


#43

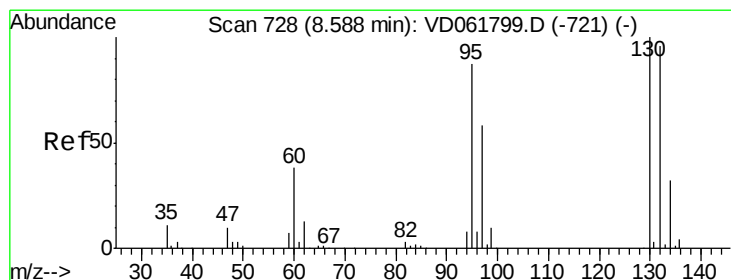
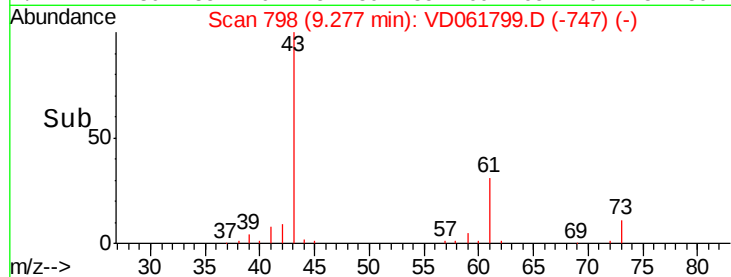
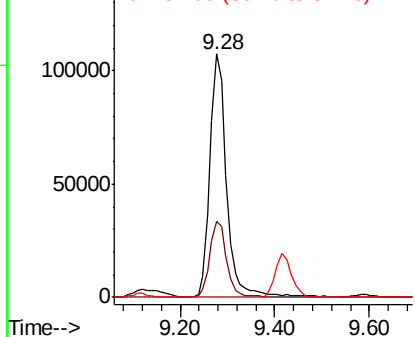
Isopropyl Acetate
 Concen: 51.256 ug/l
 RT: 9.28 min Scan# 798
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 264769
 Ion Ratio Lower Upper
 43 100
 61 31.4 25.1 37.7
 87 0.0 0.0 0.0



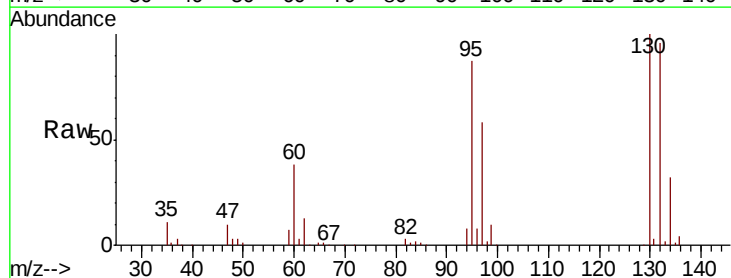
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



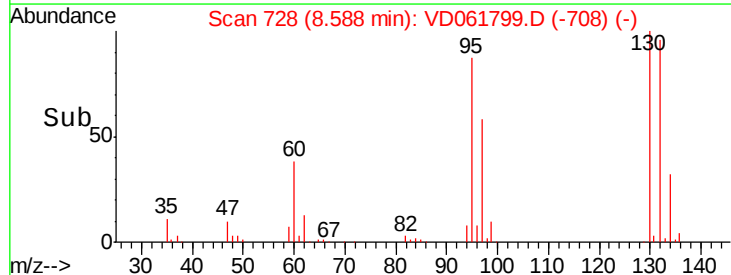
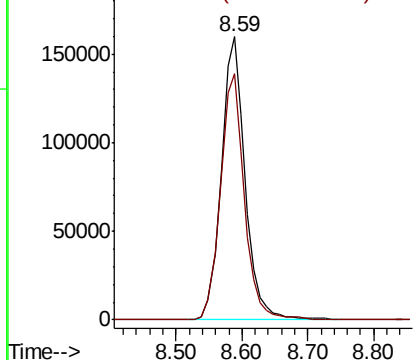
#44

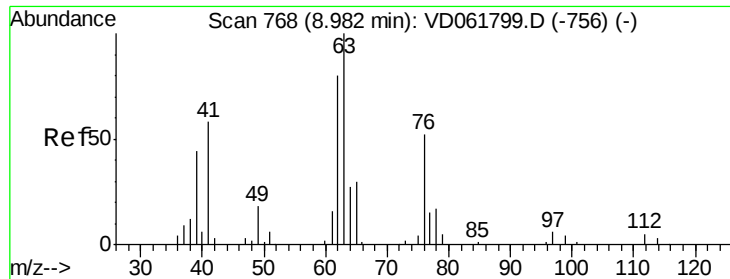
Trichloroethene
 Concen: 50.633 ug/l
 RT: 8.59 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 130 Resp: 401345
 Ion Ratio Lower Upper
 130 100
 95 87.0 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: 48.854 ug/l

RT: 8.98 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

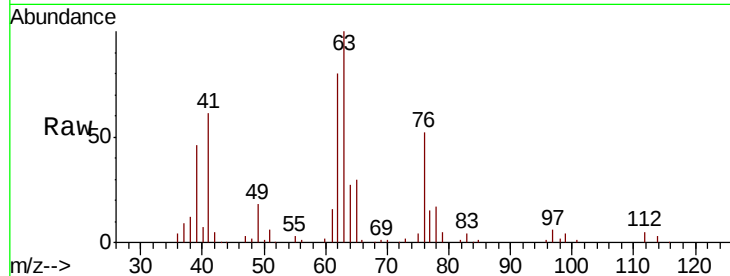
ClientSampleId :

Tot Ion: 63 Resp: 262022

Ion Ratio Lower Upper

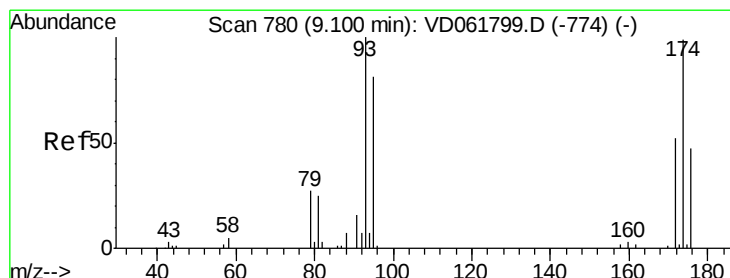
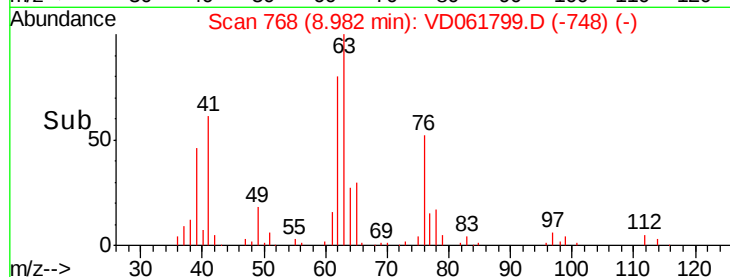
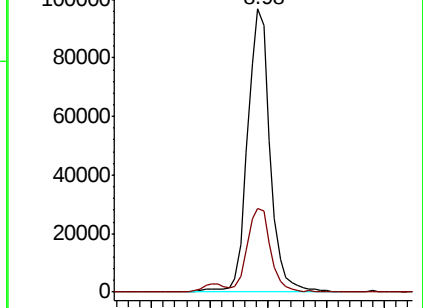
63 100

65 29.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.611 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

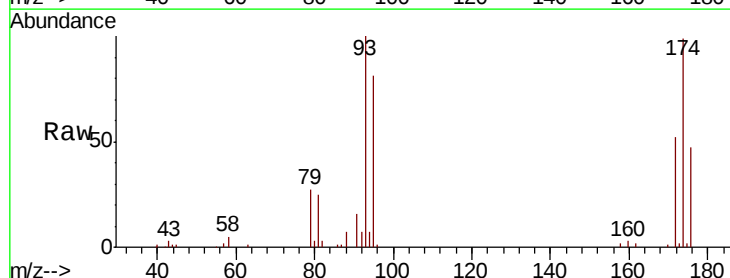
Tgt Ion: 93 Resp: 193414

Ion Ratio Lower Upper

93 100

95 81.0 64.8 97.2

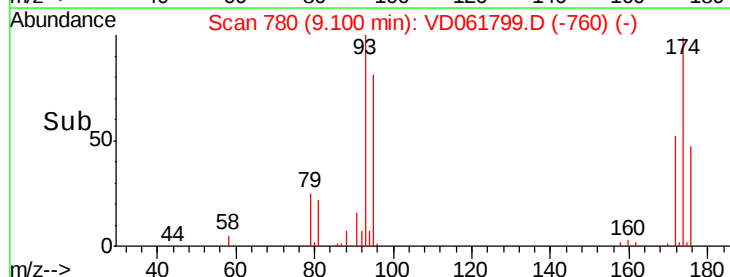
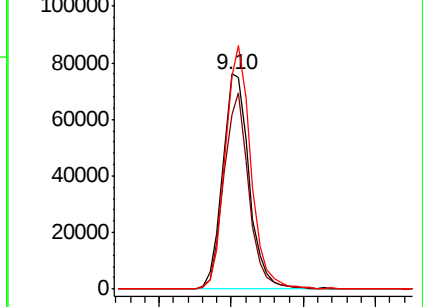
174 99.1 79.3 118.9

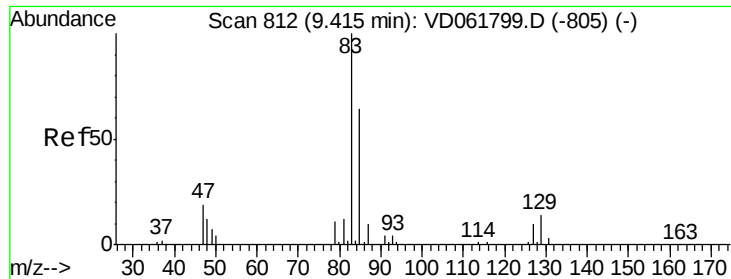


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.171 ug/l

RT: 9.42 min Scan# 812

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

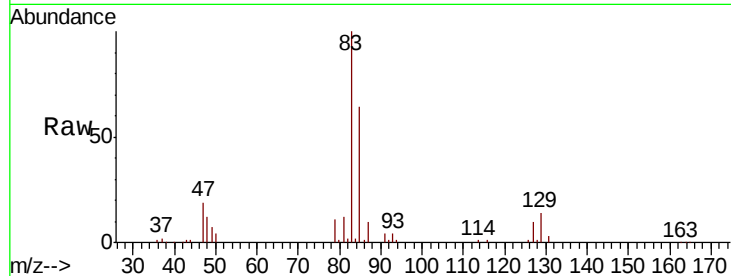
Tot Ion: 83 Resp: 459969

Ion Ratio Lower Upper

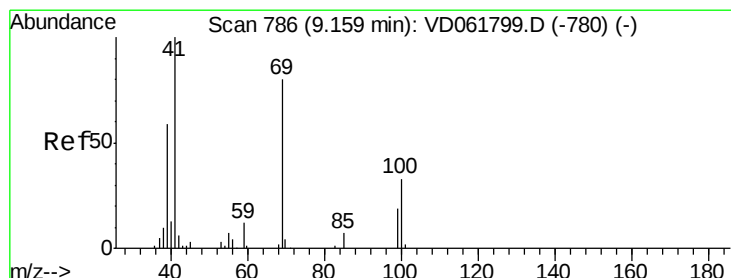
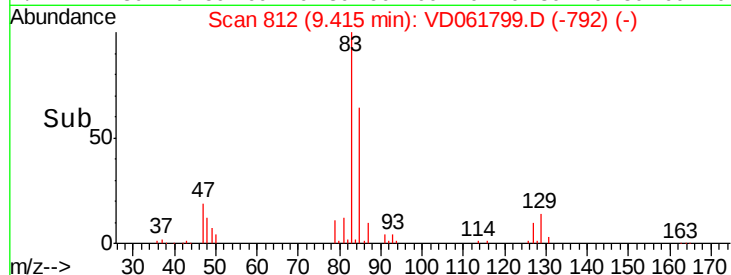
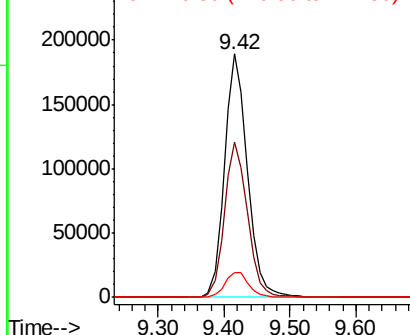
83 100

85 63.6 50.9 76.3

127 10.1 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: 51.845 ug/l

RT: 9.16 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

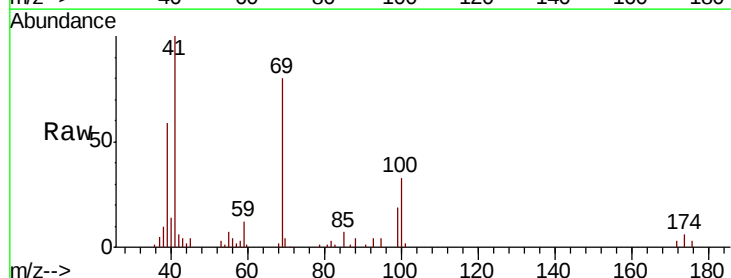
Tgt Ion: 41 Resp: 157422

Ion Ratio Lower Upper

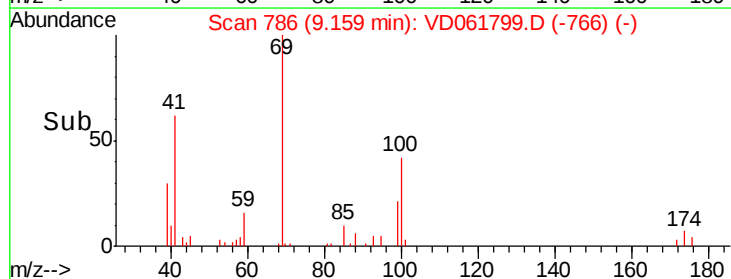
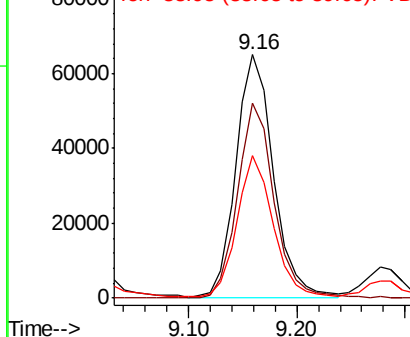
41 100

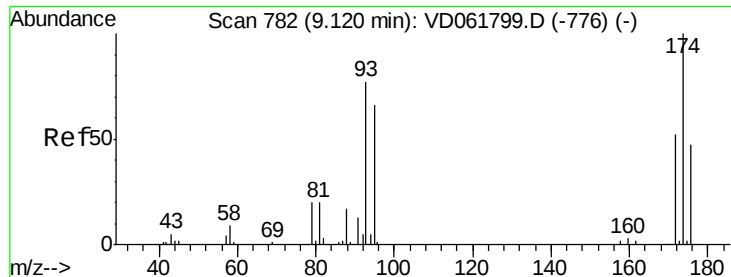
69 80.2 64.2 96.2

39 58.5 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

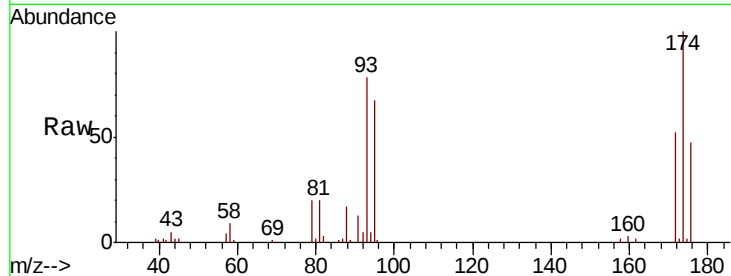




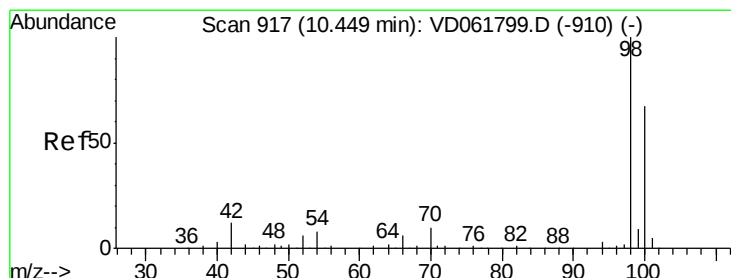
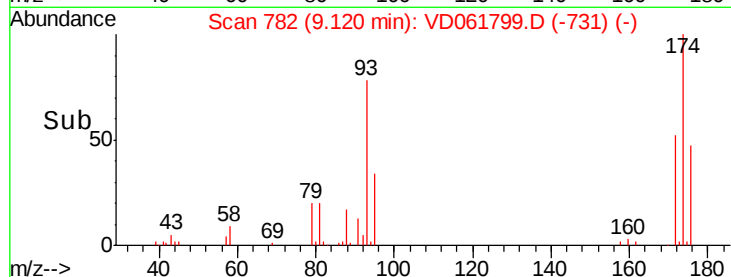
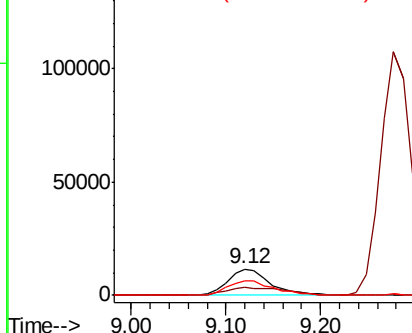
#49
1,4-Dioxane
Concen: 1057.515 ug/l
RT: 9.12 min Scan# 782
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 35097
Ion Ratio Lower Upper
88 100
43 29.2 23.4 35.0
58 55.0 44.0 66.0

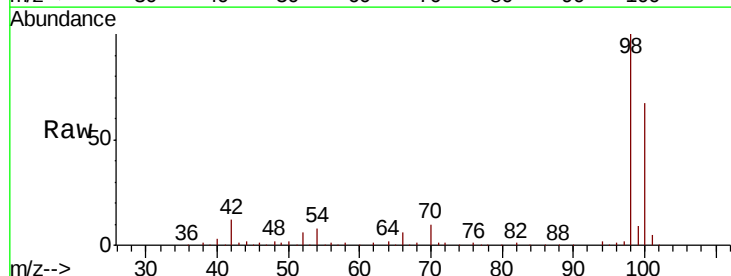


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

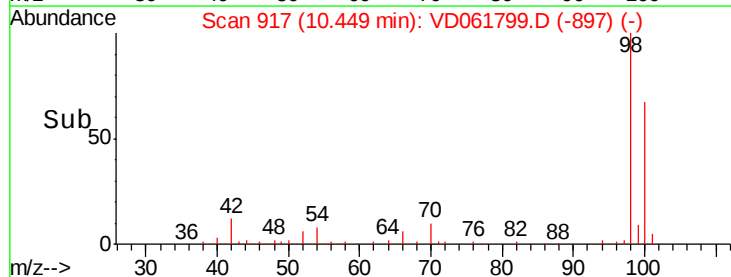
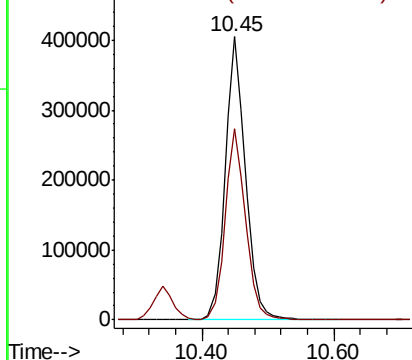


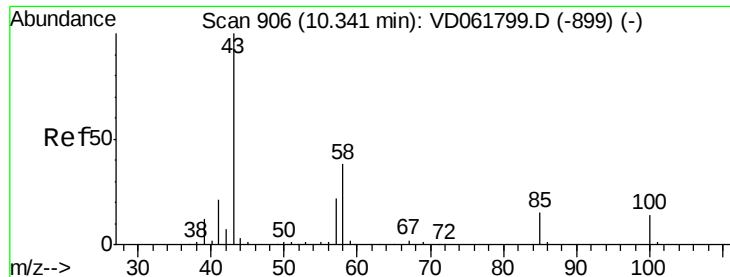
#50
Toluene-d8
Concen: 1057.515 ug/l
RT: 10.45 min Scan# 917
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 98 Resp: 870937
Ion Ratio Lower Upper
98 100
100 67.3 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: 248.419 ug/l

RT: 10.34 min Scan# 906

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

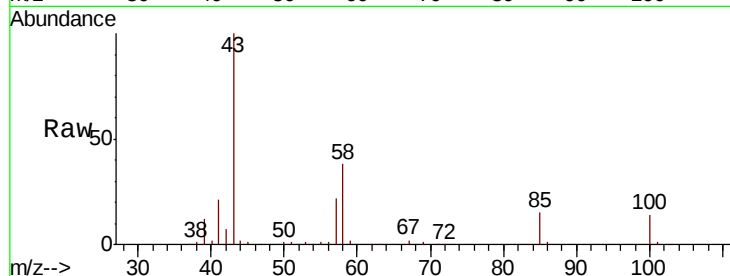
ClientSampleId :

Tot Ion: 43 Resp: 784740

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.34

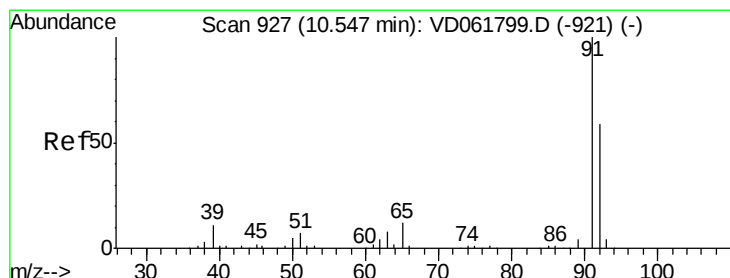
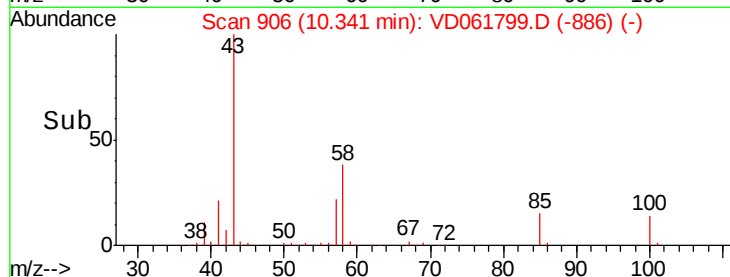
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#52

Toluene

Concen: 48.052 ug/l

RT: 10.55 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD061799.D

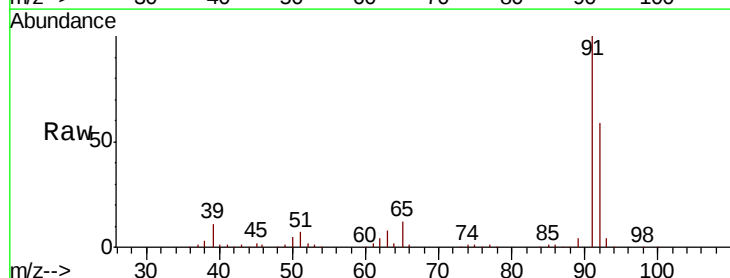
Acq: 15 Apr 2019 14:09

Tgt Ion: 92 Resp: 634046

Ion Ratio Lower Upper

92 100

91 170.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.55

500000

400000

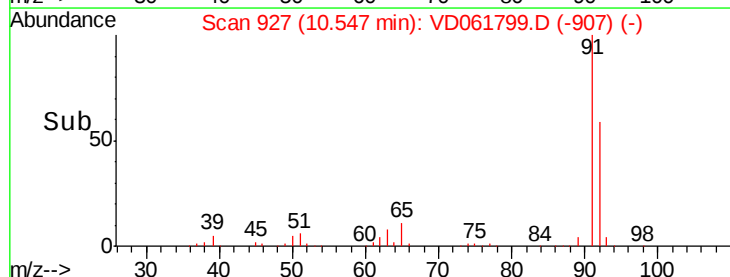
300000

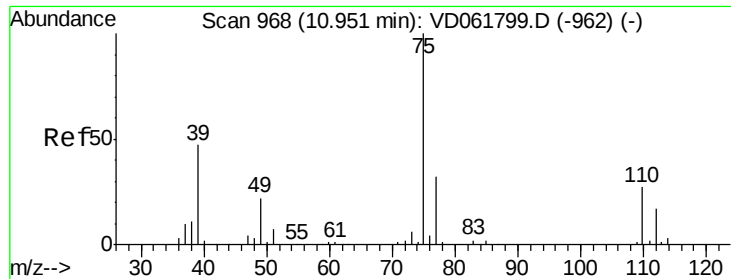
200000

100000

0

Time--> 10.40 10.50 10.60 10.70

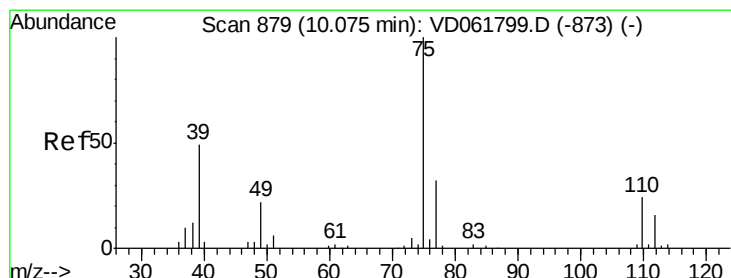
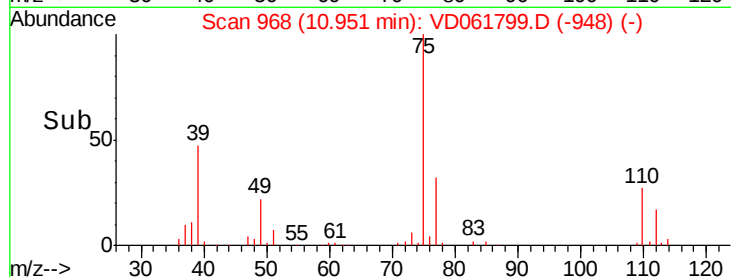
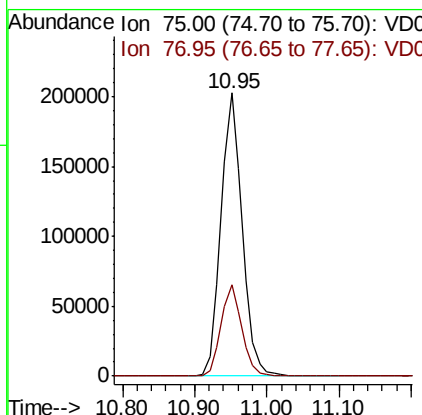
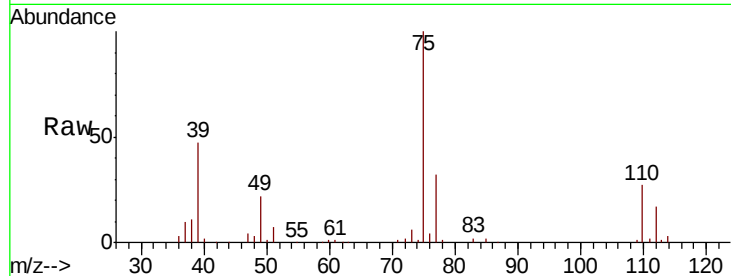




#53
 t-1,3-Dichloropropene
 Concen: 51.777 ug/l
 RT: 10.95 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

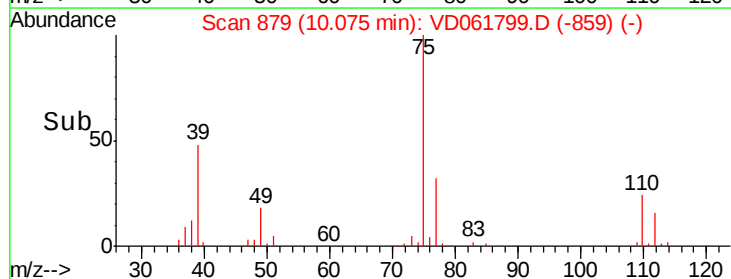
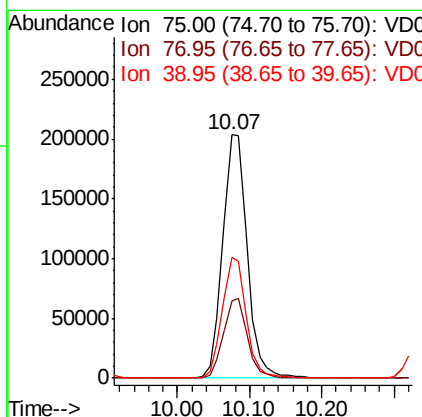
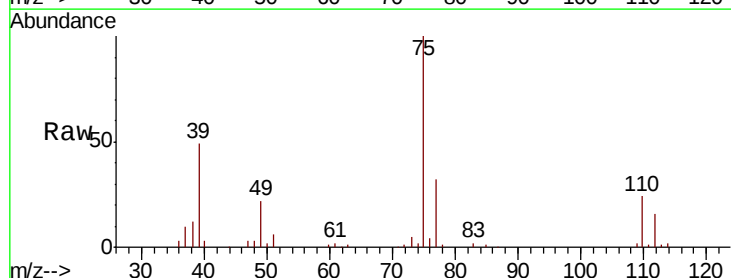
Instrument :
 MSVOA_D
 ClientSampleId :

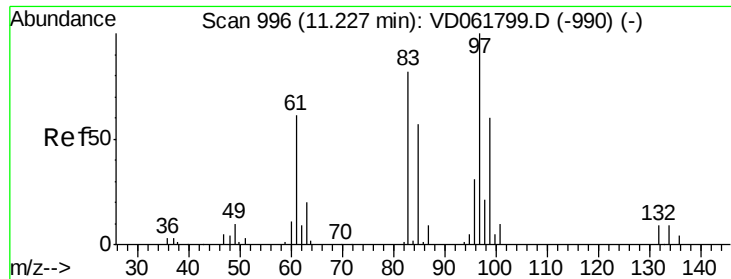
Tot Ion: 75 Resp: 411331
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 51.296 ug/l
 RT: 10.07 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 75 Resp: 478347
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 49.3 39.4 59.2

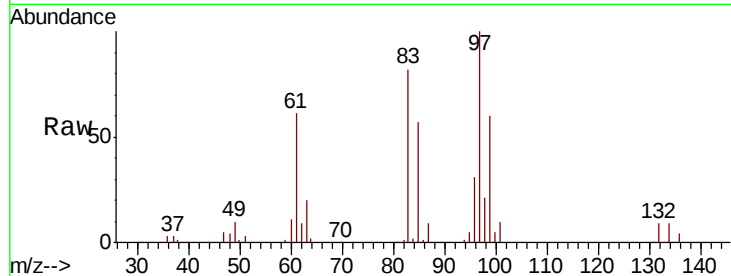




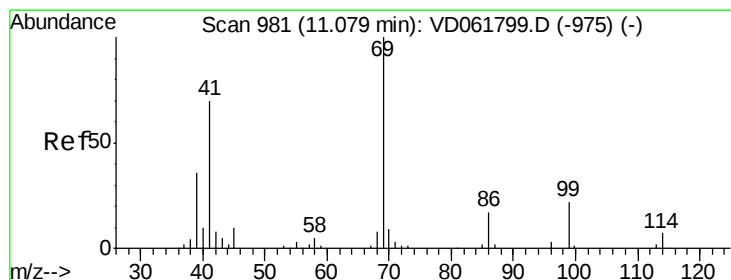
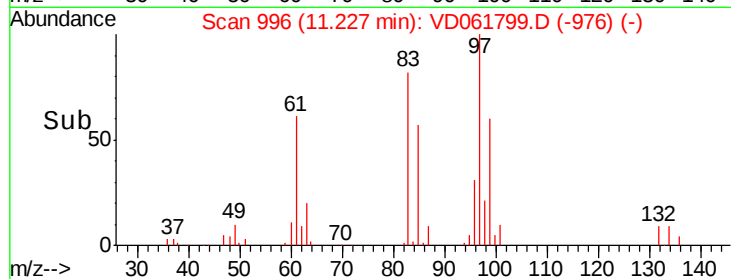
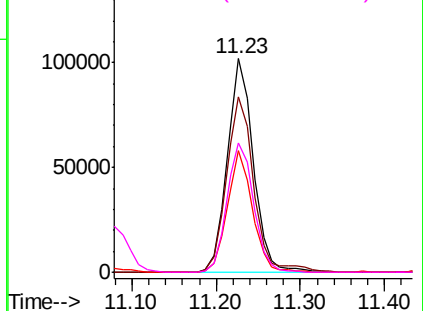
#55
1,1,2-Trichloroethane
Concen: 49.021 ug/l
RT: 11.23 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	217957
Ion	Ratio	Lower	Upper
97	100		
83	82.1	65.7	98.5
85	57.0	45.6	68.4
99	60.5	48.4	72.6

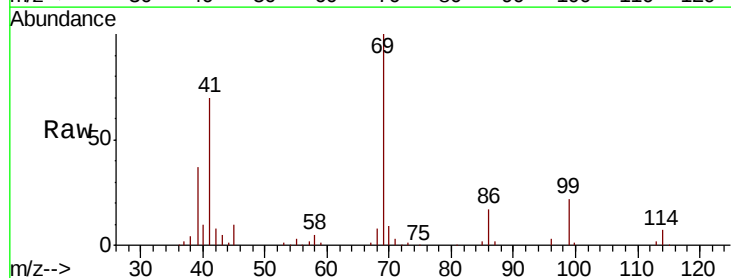


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

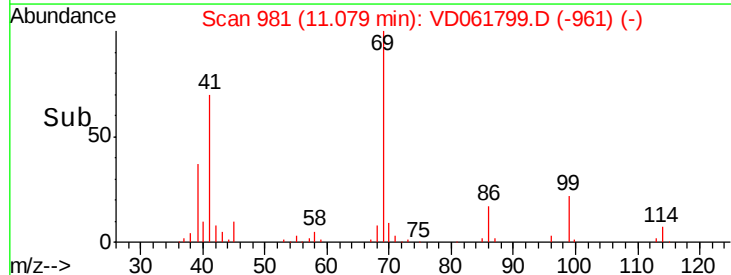
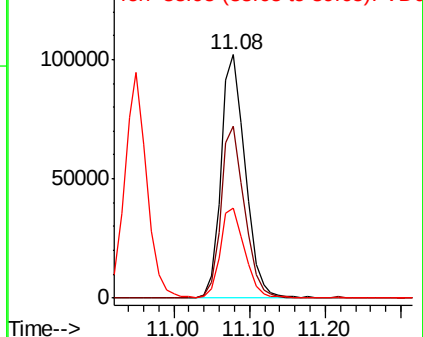


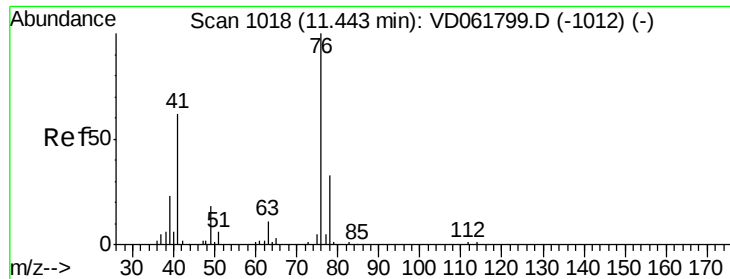
#56
Ethyl methacrylate
Concen: 46.348 ug/l
RT: 11.08 min Scan# 981
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:	69	Resp:	226176
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.3	84.5
39	36.8	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

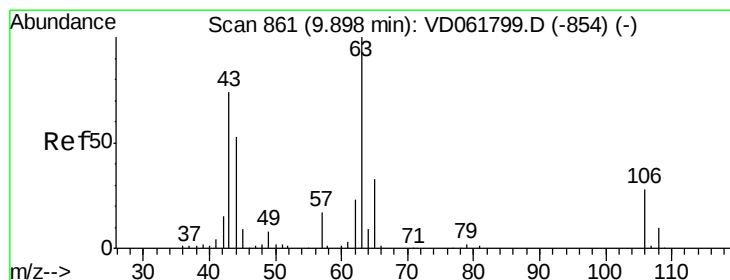
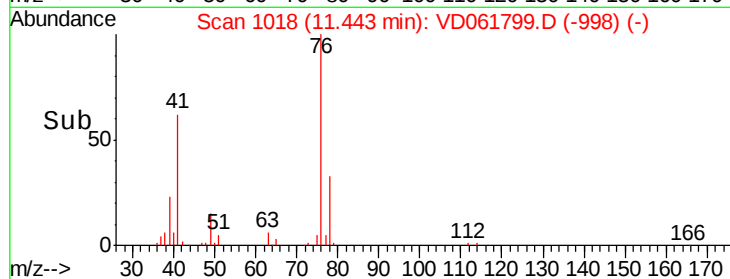
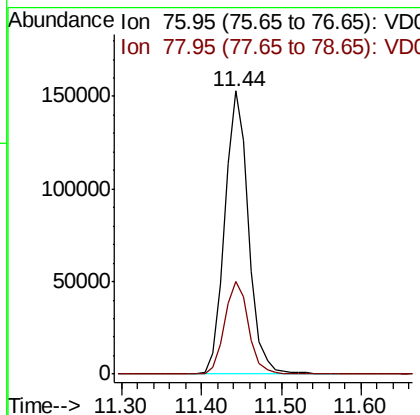
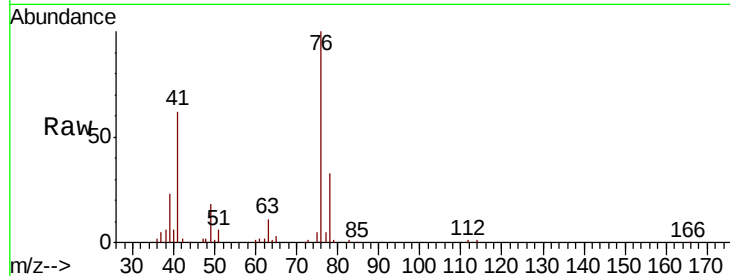




#57
 1,3-Dichloropropane
 Concen: 47.767 ug/l
 RT: 11.44 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

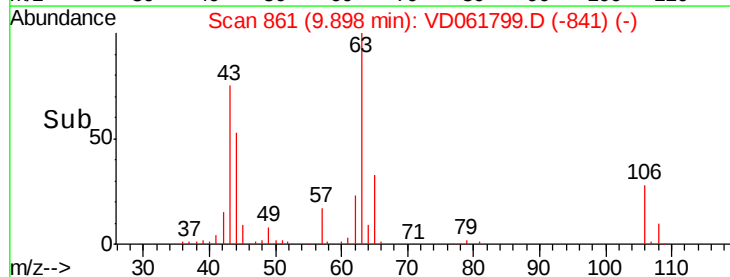
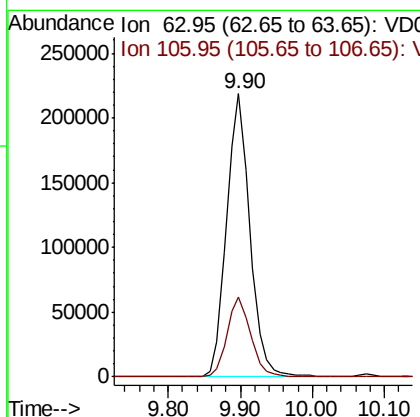
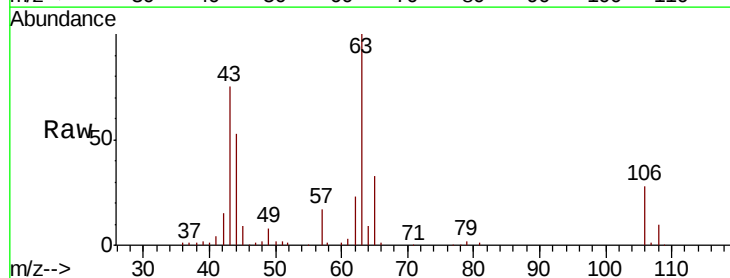
Instrument :
 MSVOA_D
 ClientSampleId :

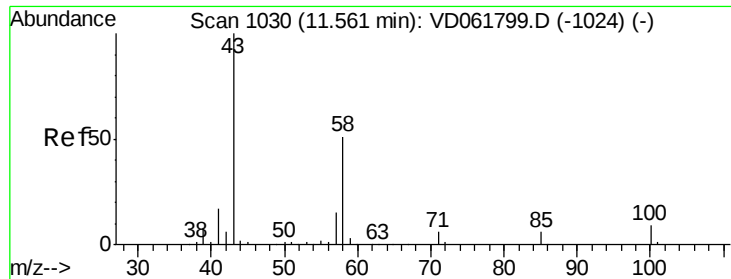
Tot Ion: 76 Resp: 319292
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.738 ug/l
 RT: 9.90 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 63 Resp: 491465
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.6 34.0

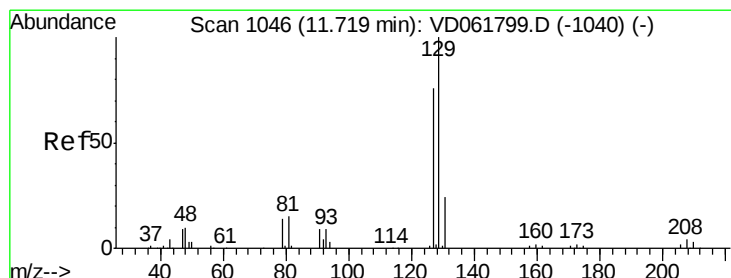
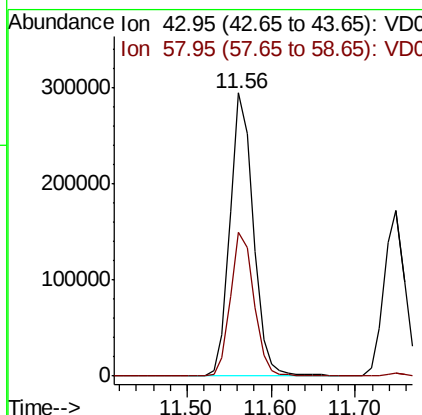
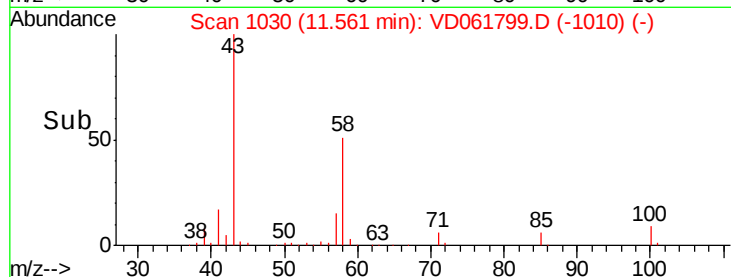
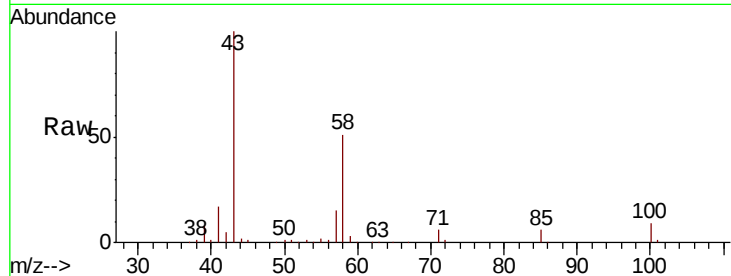




#59
2-Hexanone
Concen: 242.437 ug/l
RT: 11.56 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

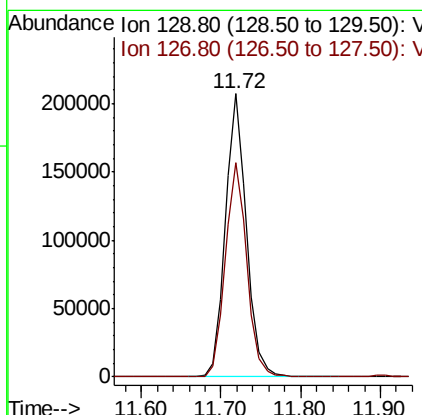
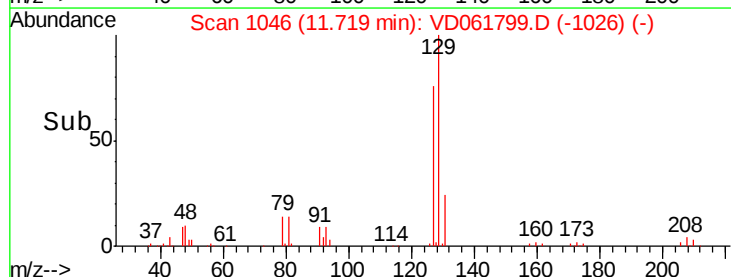
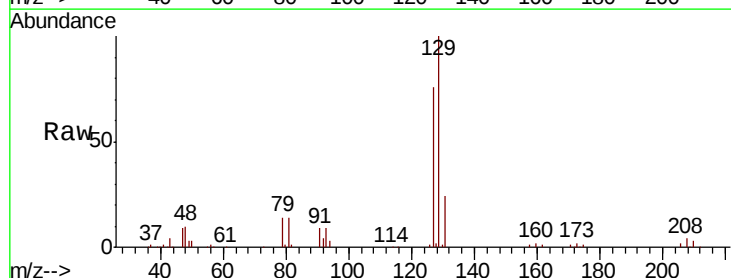
Instrument :
MSVOA_D
ClientSampleId :

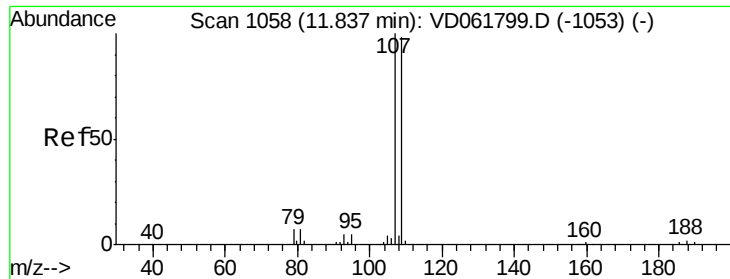
Tot Ion: 43 Resp: 568810
Ion Ratio Lower Upper
43 100
58 50.9 25.4 76.4



#60
Dibromochloromethane
Concen: 52.997 ug/l
RT: 11.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:129 Resp: 385563
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9

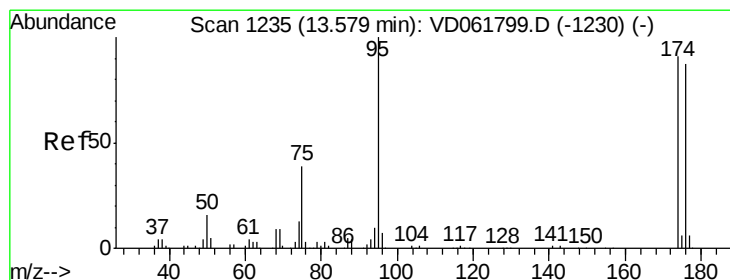
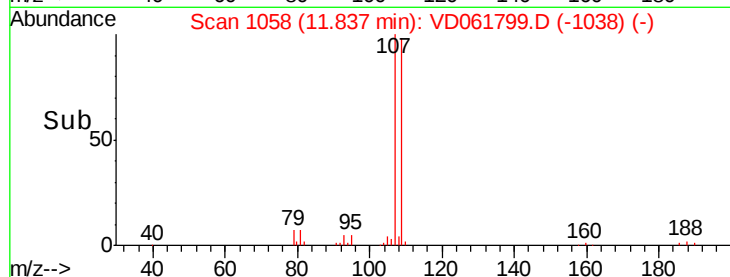
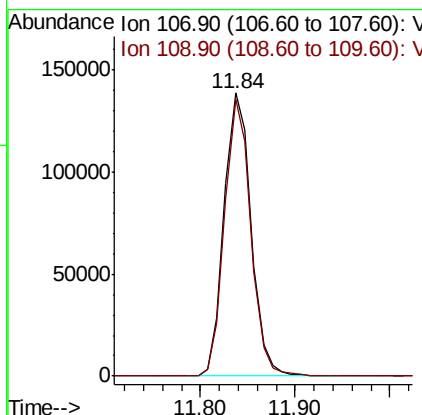
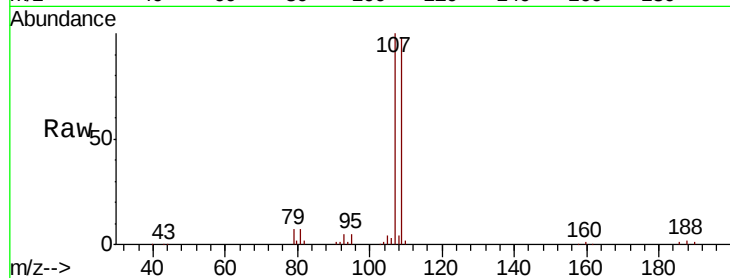




#61
 1,2-Dibromoethane
 Concen: 50.111 ug/l
 RT: 11.84 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

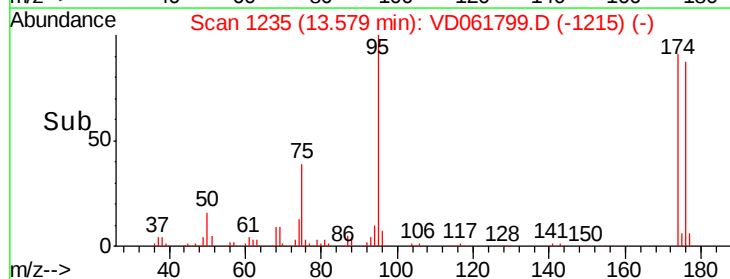
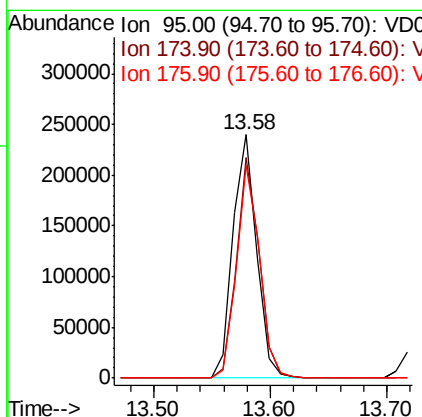
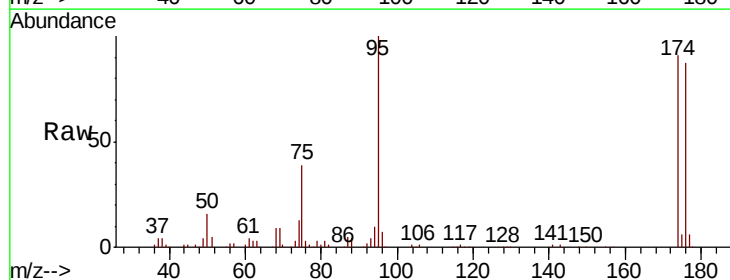
Instrument :
 MSVOA_D
 ClientSampleId :

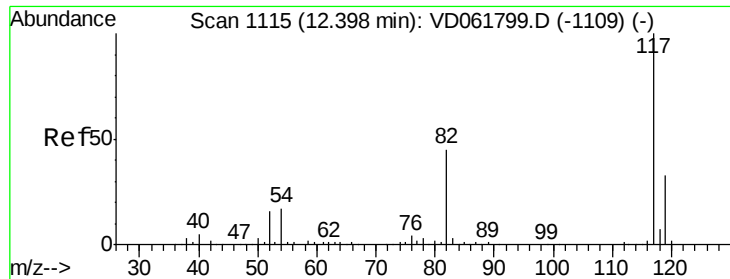
Tot Ion:107 Resp: 273962
 Ion Ratio Lower Upper
 107 100
 109 97.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.111 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 95 Resp: 336309
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 181.8
 176 87.2 0.0 174.4

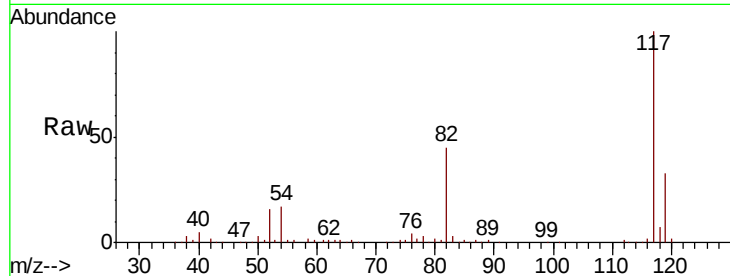




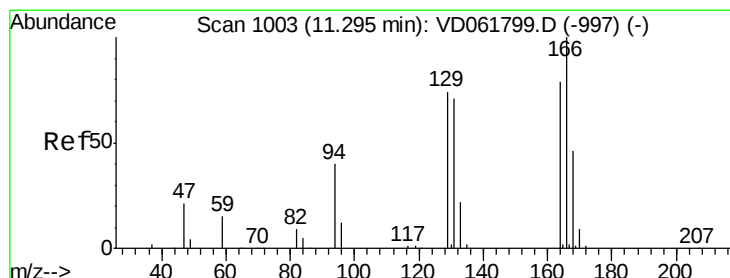
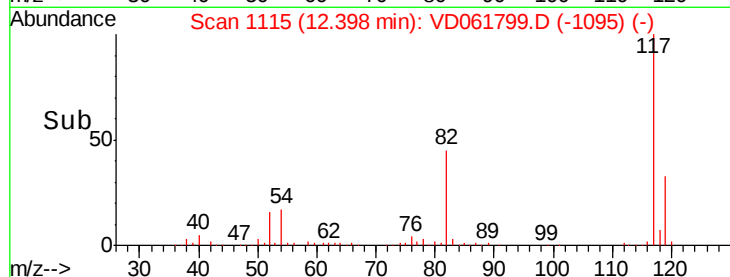
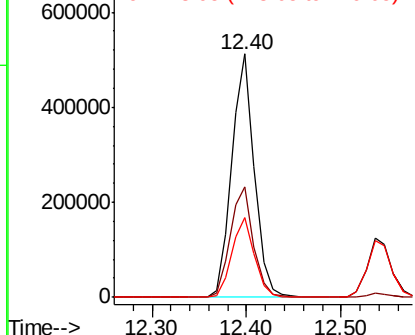
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 845758
Ion Ratio Lower Upper
117 100
82 45.2 36.2 54.2
119 32.8 26.2 39.4

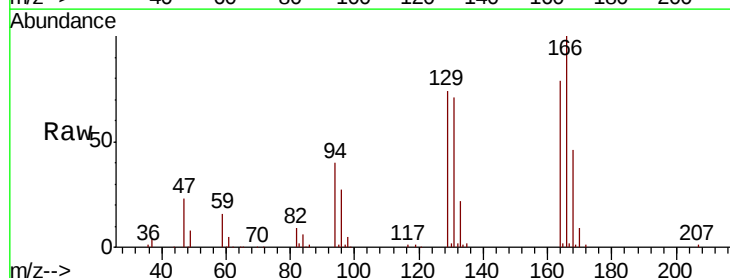


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

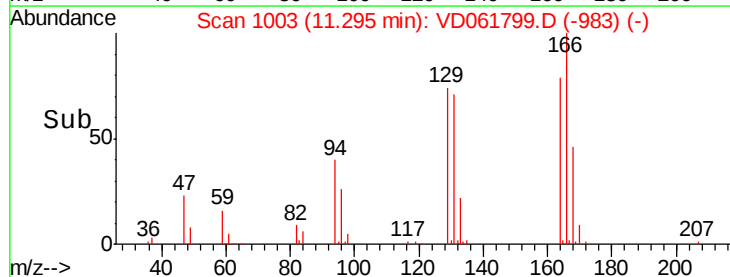
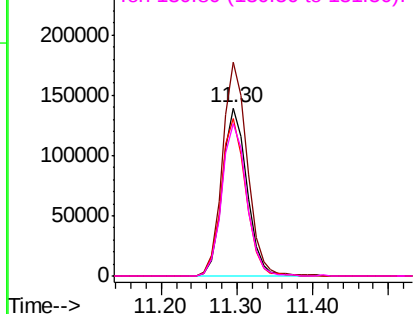


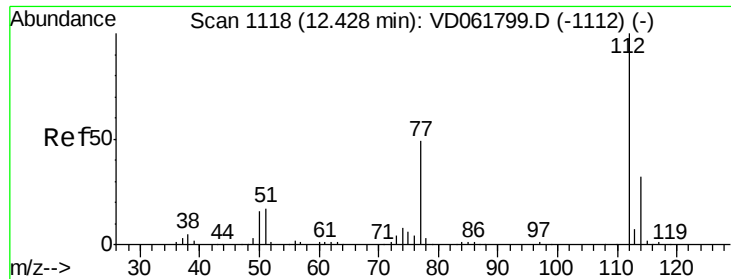
#64
Tetrachloroethene
Concen: 49.531 ug/l
RT: 11.30 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:164 Resp: 314165
Ion Ratio Lower Upper
164 100
166 126.9 101.5 152.3
129 93.3 74.6 112.0
131 90.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

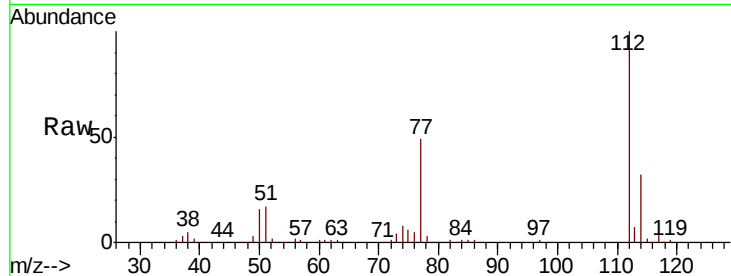




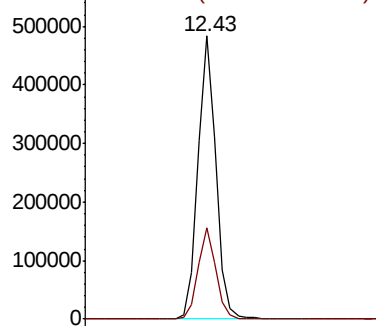
#65
Chlorobenzene
Concen: 48.993 ug/l
RT: 12.43 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampled :

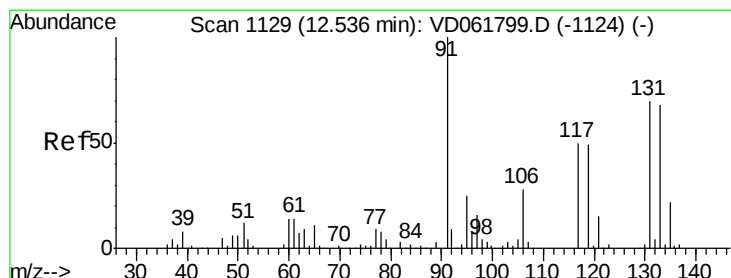
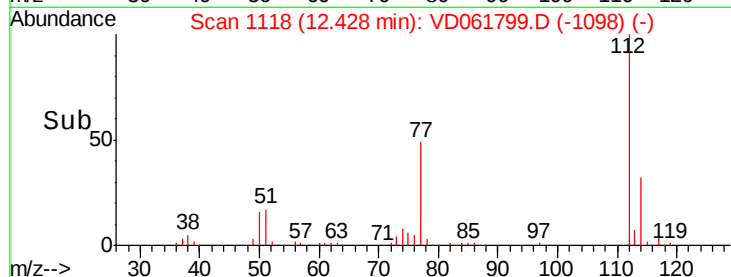
Tot Ion:112 Resp: 771689
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



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

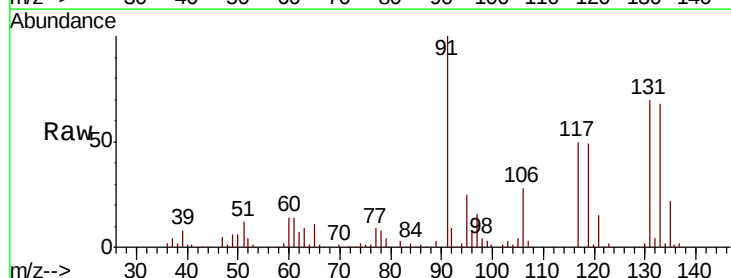


Time-->

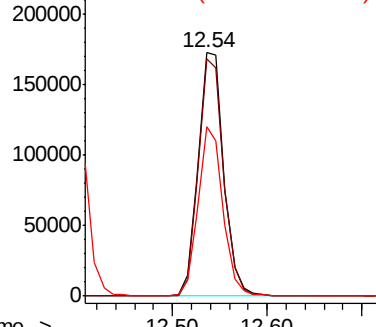


#66
1,1,1,2-Tetrachloroethane
Concen: 48.717 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

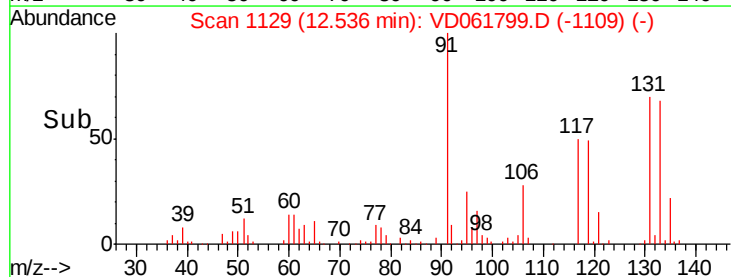
Tgt Ion:131 Resp: 321563
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 69.4 34.7 104.1

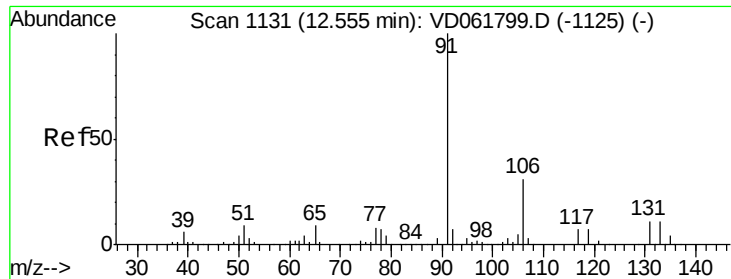


Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V



Time-->

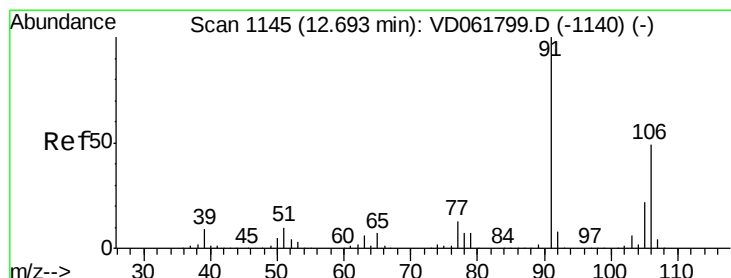
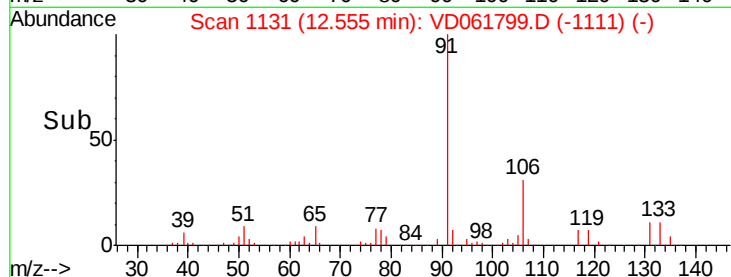
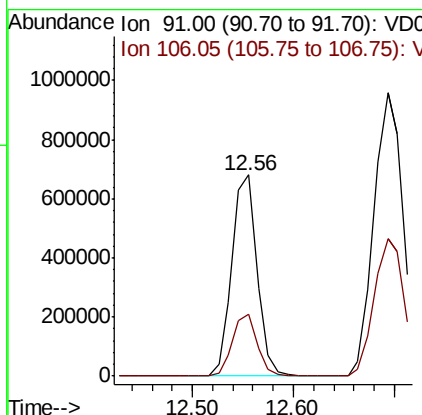
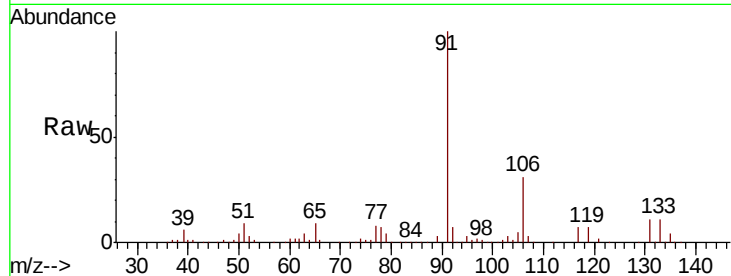




#67
Ethyl Benzene
Concen: 46.702 ug/l
RT: 12.56 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

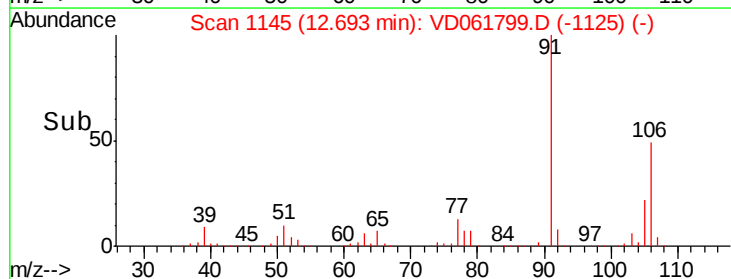
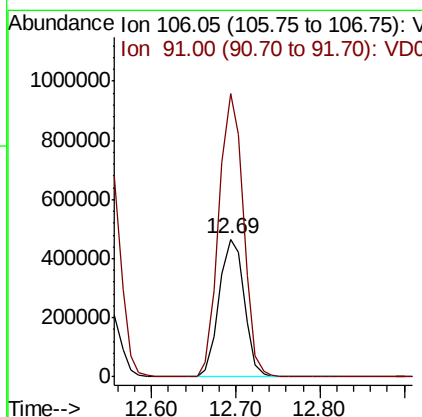
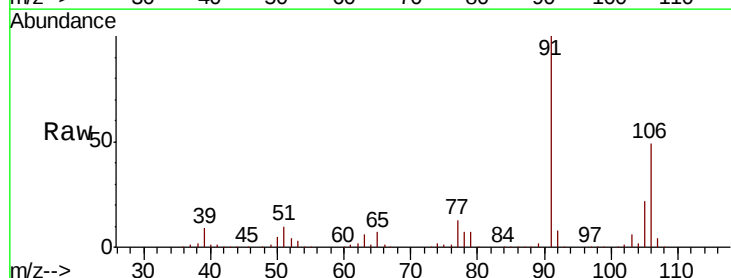
Instrument :
MSVOA_D
ClientSampled :

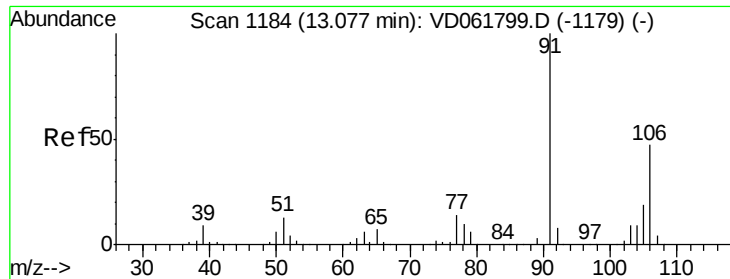
Tot Ion: 91 Resp: 1178017
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 102.046 ug/l
RT: 12.69 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 106 Resp: 966873
Ion Ratio Lower Upper
106 100
91 205.0 164.0 246.0

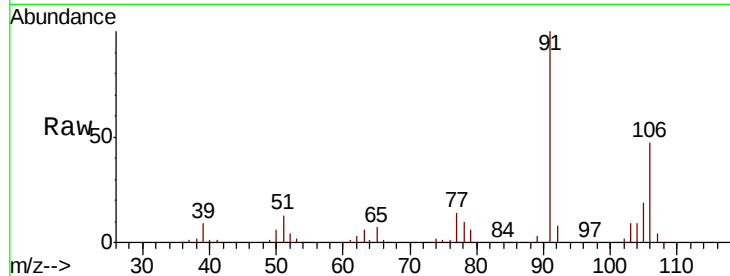




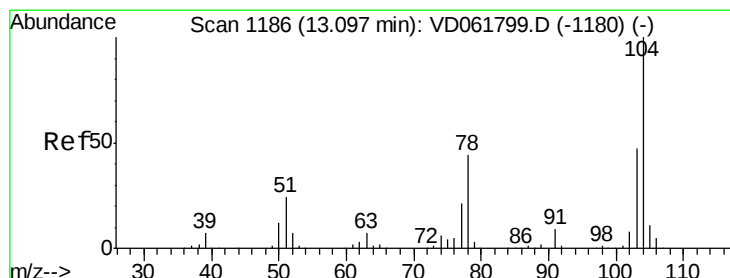
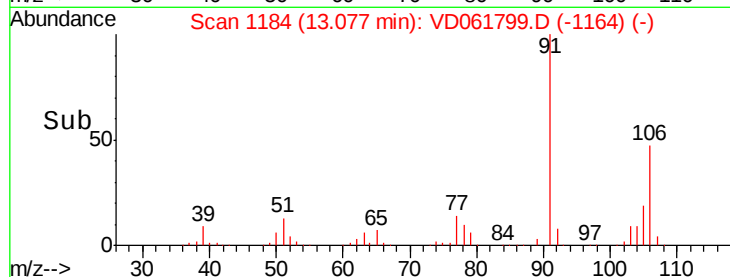
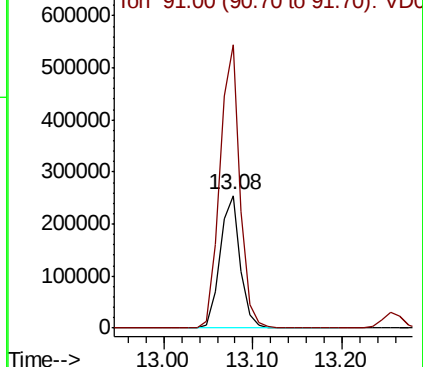
#69
o-Xylene
Concen: 45.478 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 405010
Ion Ratio Lower Upper
106 100
91 213.3 106.7 319.9

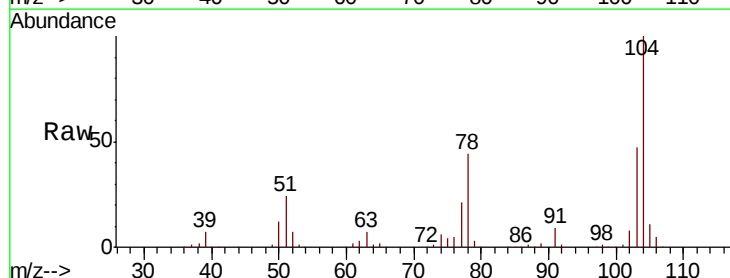


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

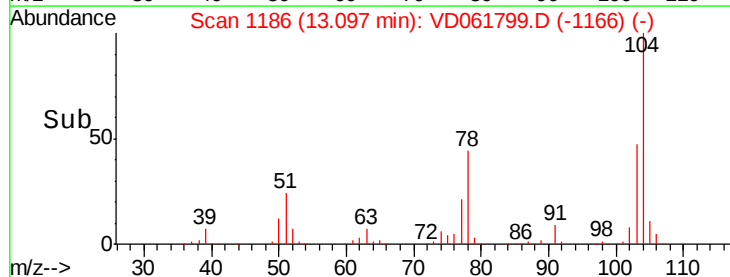
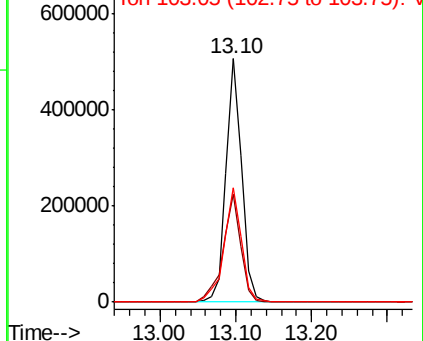


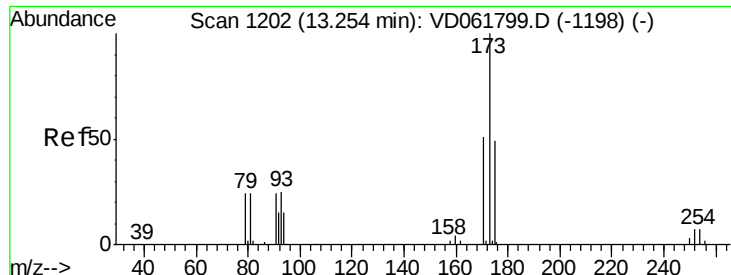
#70
Styrene
Concen: 47.302 ug/l
RT: 13.10 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:104 Resp: 724917
Ion Ratio Lower Upper
104 100
78 44.3 35.4 53.2
103 46.9 37.5 56.3



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





#71

Bromoform

Concen: 50.571 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

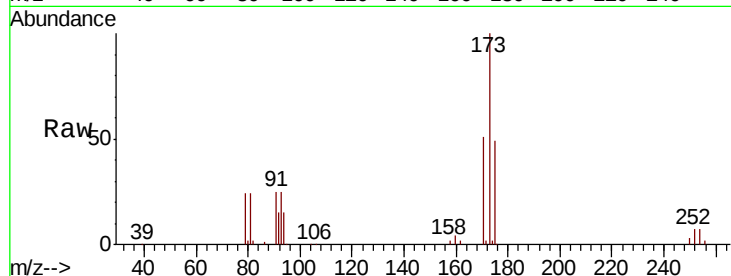
Tot Ion:173 Resp: 198140

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.4

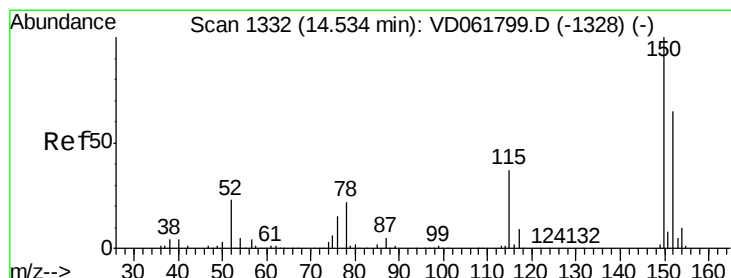
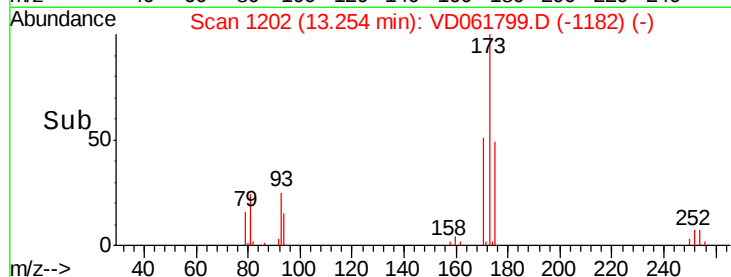
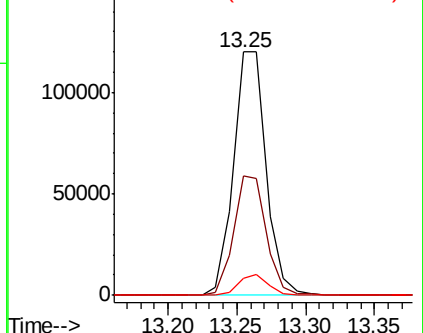
254 6.8 5.4 8.2



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# 1332

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

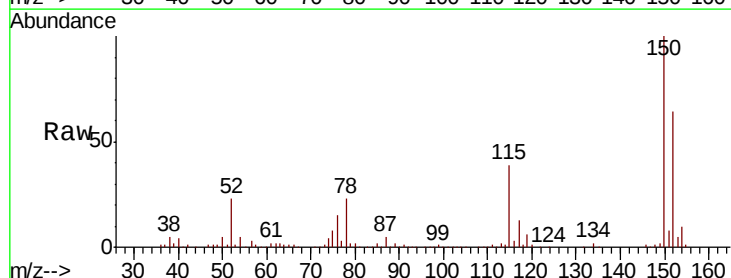
Tgt Ion:152 Resp: 381477

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.7

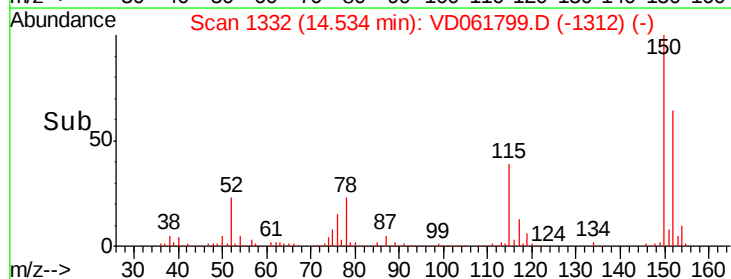
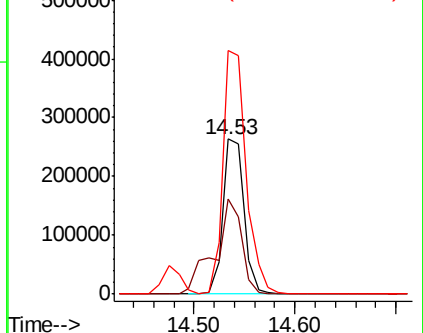
150 157.4 0.0 314.8

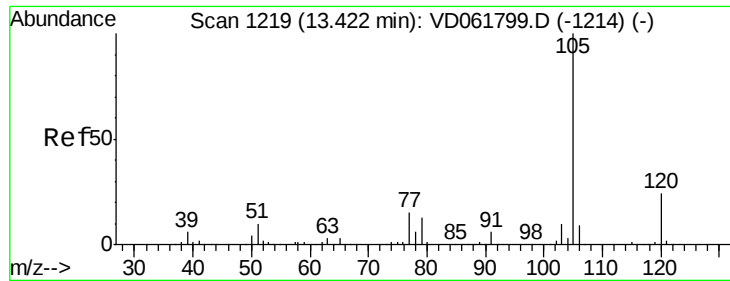


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

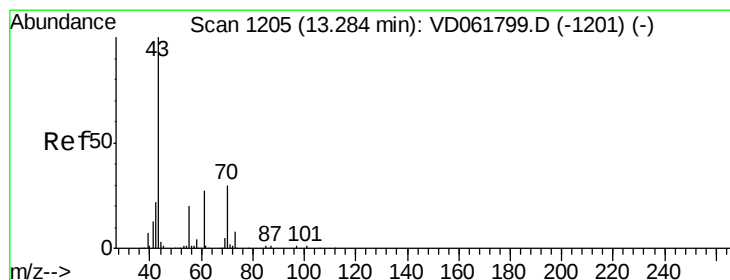
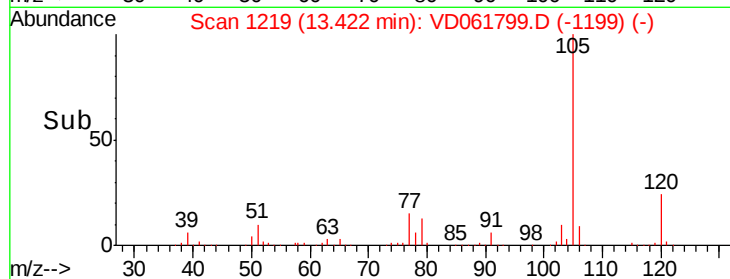
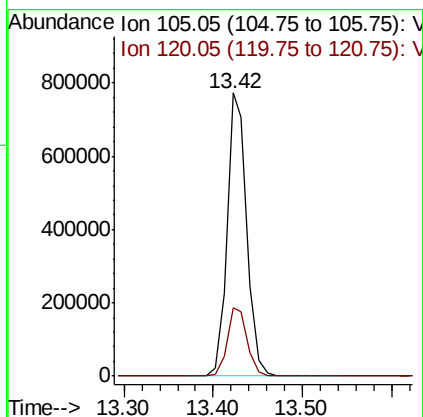
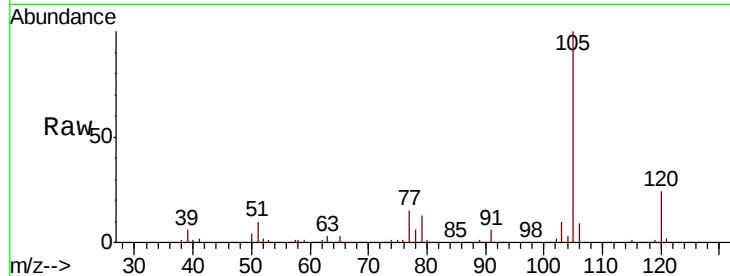




#73
Isopropylbenzene
Concen: 48.457 ug/l
RT: 13.42 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

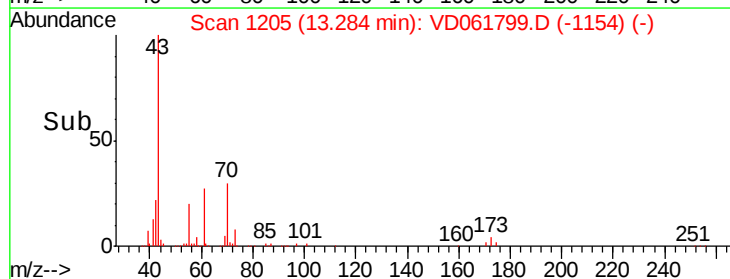
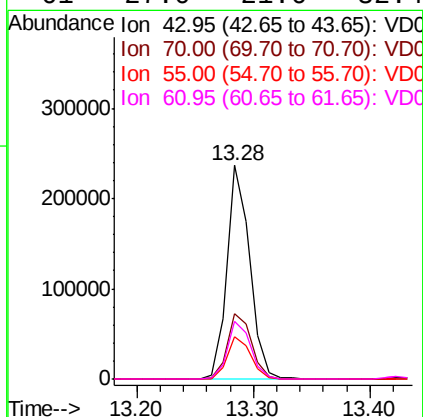
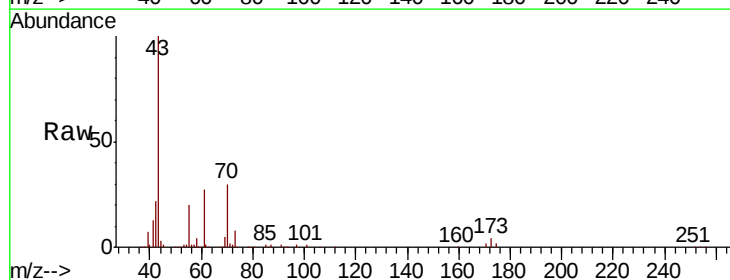
Instrument :
MSVOA_D
ClientSampleId :

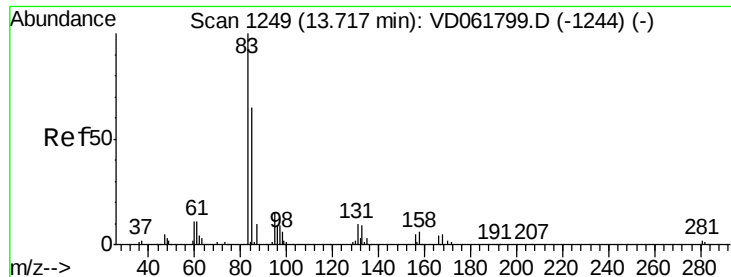
Tot Ion:105 Resp: 1198829
Ion Ratio Lower Upper
105 100
120 24.1 12.0 36.1



#74
N-ethyl acetate
Concen: 47.924 ug/l
RT: 13.28 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 43 Resp: 318826
Ion Ratio Lower Upper
43 100
70 30.3 24.2 36.4
55 20.0 16.0 24.0
61 27.0 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.549 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampled :

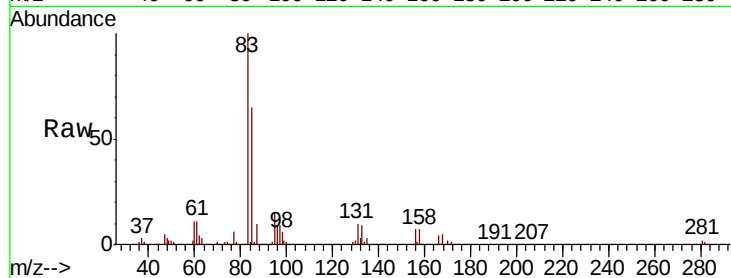
Tot Ion: 83 Resp: 261869

Ion Ratio Lower Upper

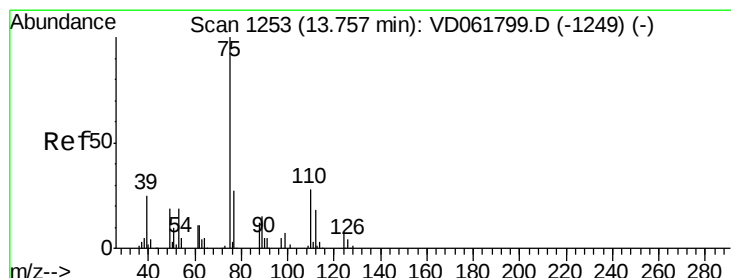
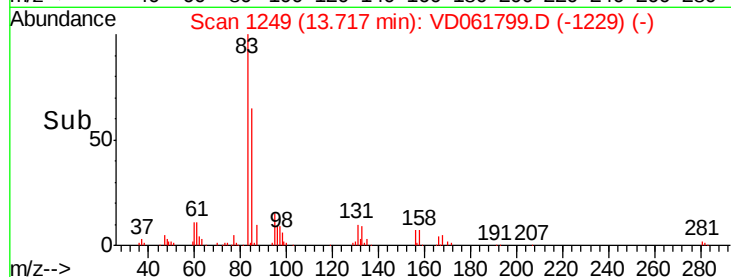
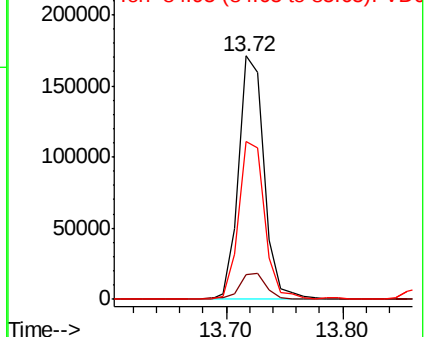
83 100

131 9.9 5.0 14.9

85 65.1 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: 52.881 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061799.D

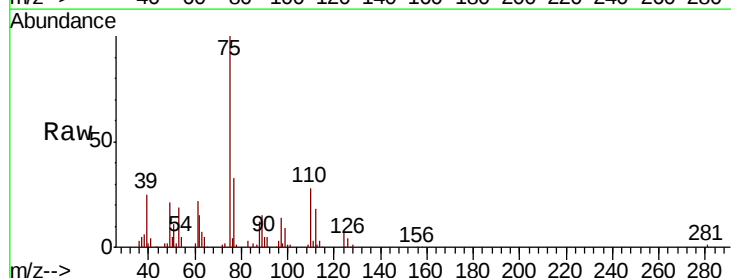
Acq: 15 Apr 2019 14:09

Tgt Ion: 75 Resp: 264922

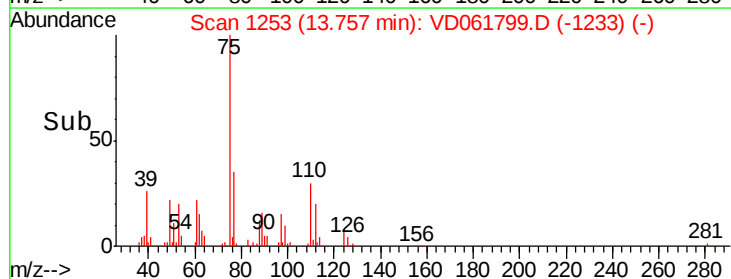
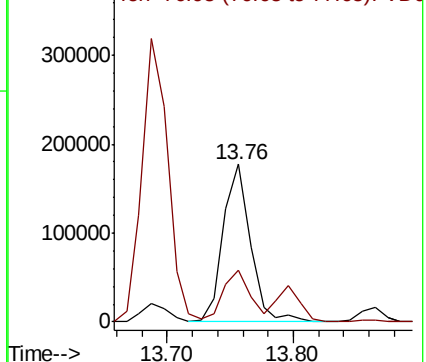
Ion Ratio Lower Upper

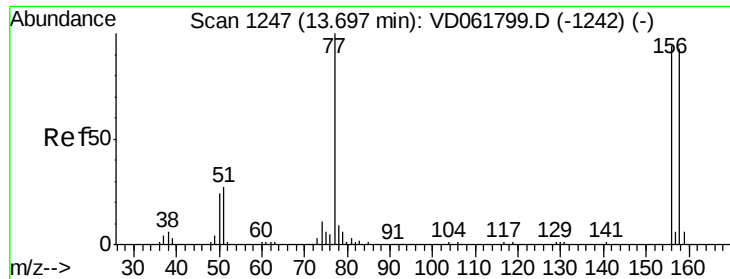
75 100

77 32.9 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: 51.569 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061799.D

Acq: 15 Apr 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

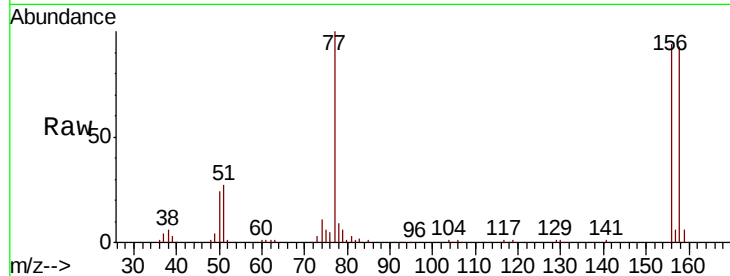
Tot Ion:156 Resp: 362414

Ion Ratio Lower Upper

156 100

77 106.3 53.1 159.4

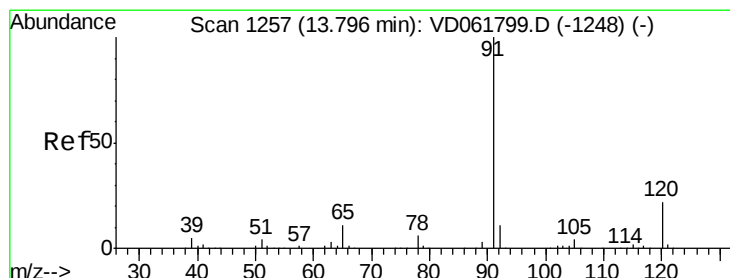
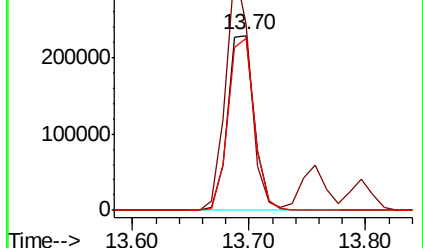
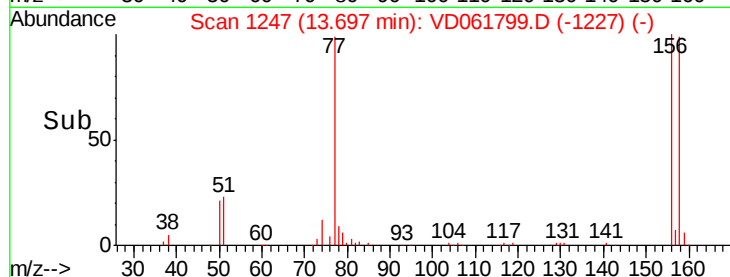
158 98.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.919 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VD061799.D

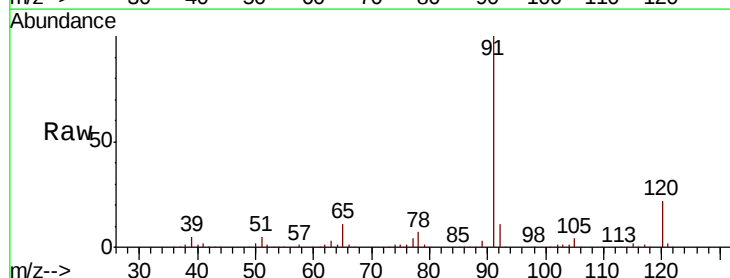
Acq: 15 Apr 2019 14:09

Tgt Ion: 91 Resp: 1512606

Ion Ratio Lower Upper

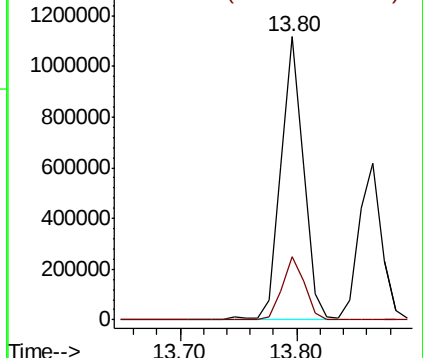
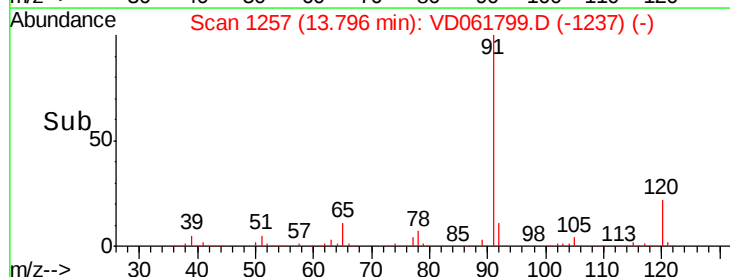
91 100

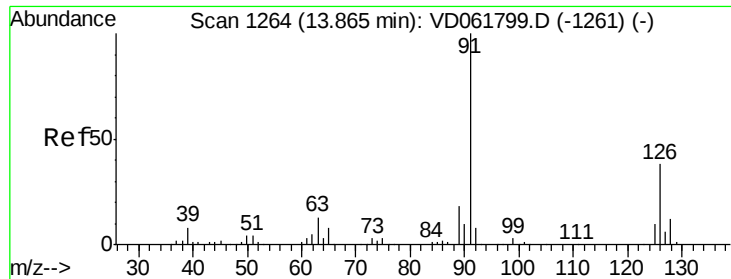
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

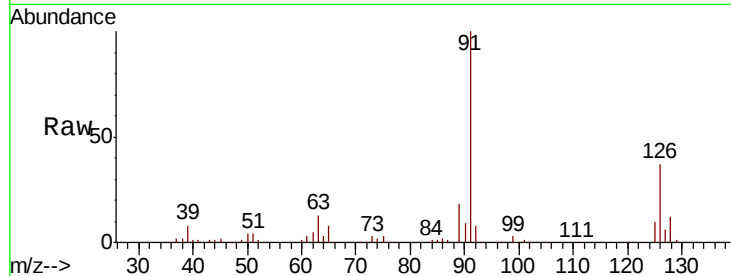




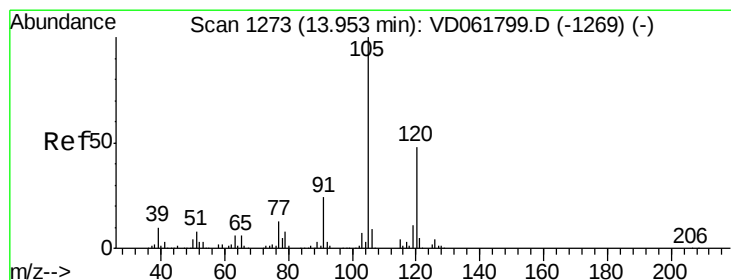
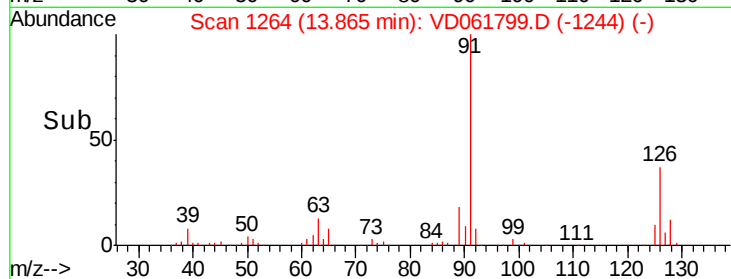
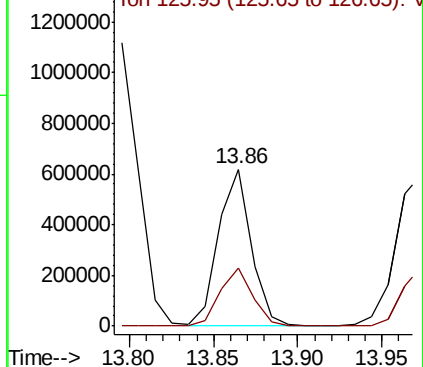
#79
 2-Chlorotoluene
 Concen: 50.392 ug/l
 RT: 13.86 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 836470
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.6 55.8

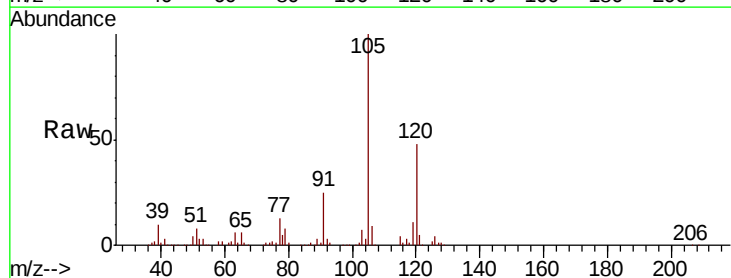


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

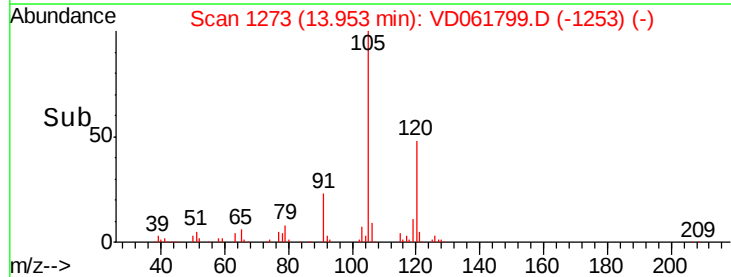
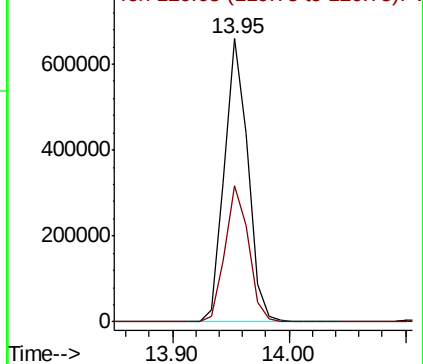


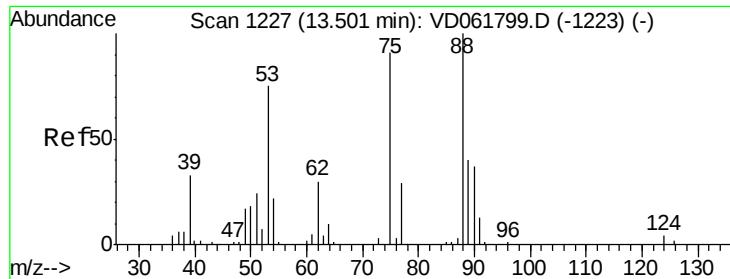
#80
 1,3,5-Trimethylbenzene
 Concen: 46.668 ug/l
 RT: 13.95 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 105 Resp: 916101
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

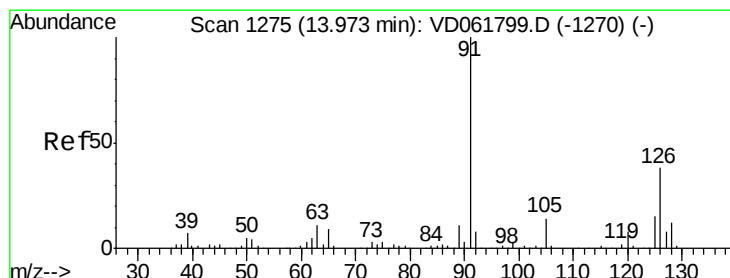
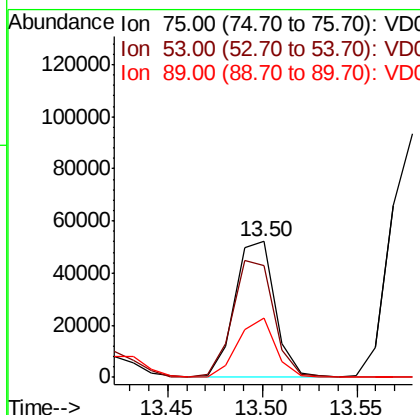
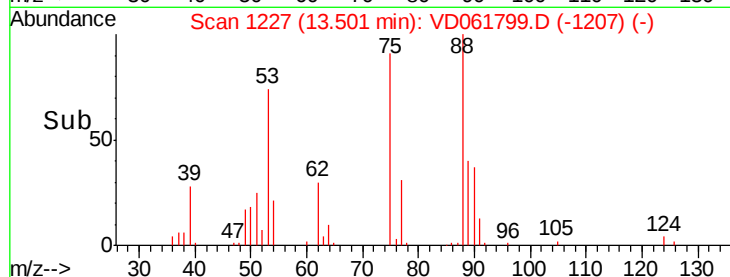
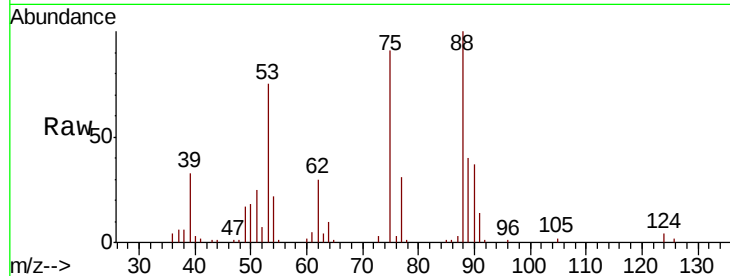




#81
trans-1,4-Dichloro-2-butene
Concen: 53.492 ug/l
RT: 13.50 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

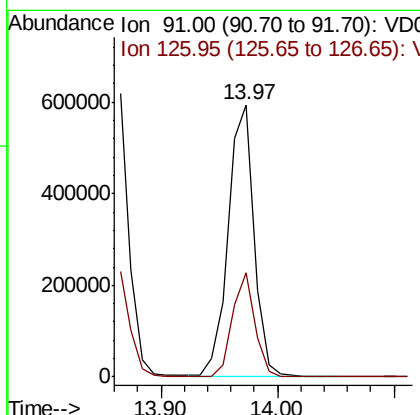
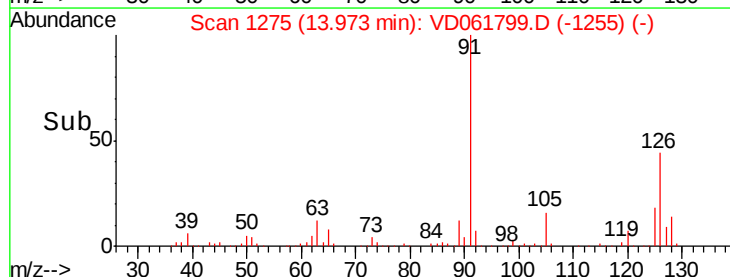
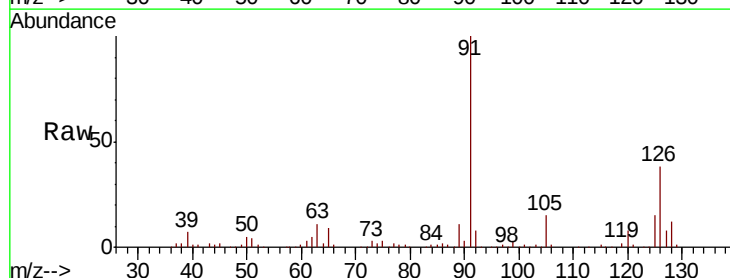
Instrument :
MSVOA_D
ClientSampled :

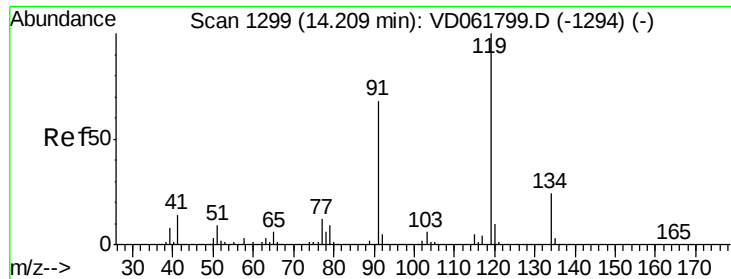
Tot Ion: 75 Resp: 76340
Ion Ratio Lower Upper
75 100
53 82.3 65.8 98.8
89 43.8 35.0 52.6



#82
4-Chlorotoluene
Concen: 47.451 ug/l
RT: 13.97 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 91 Resp: 906906
Ion Ratio Lower Upper
91 100
126 38.3 19.1 57.5

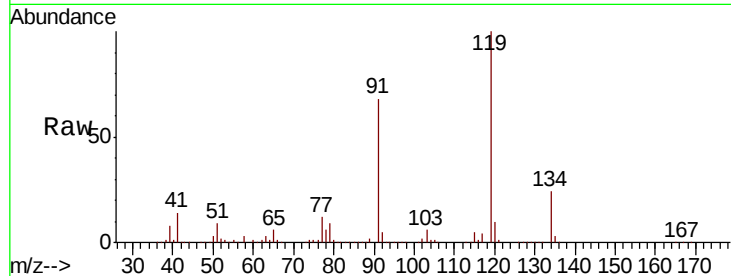




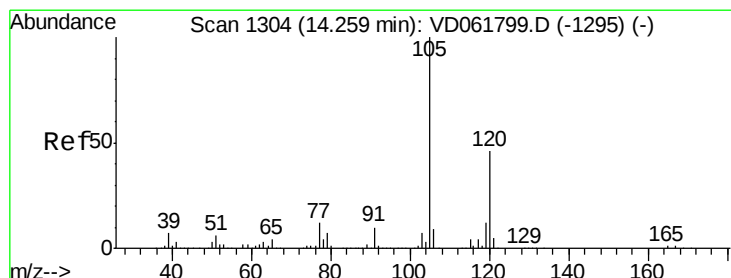
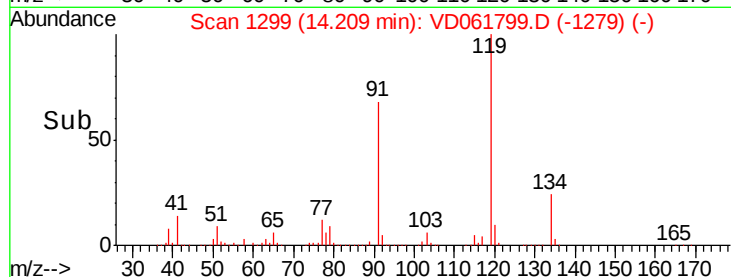
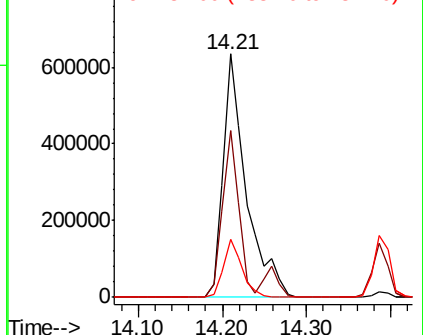
#83
tert-Butylbenzene
Concen: 52.743 ug/l
RT: 14.21 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1215699
Ion Ratio Lower Upper
119 100
91 68.4 34.2 102.6
134 24.0 12.0 36.0

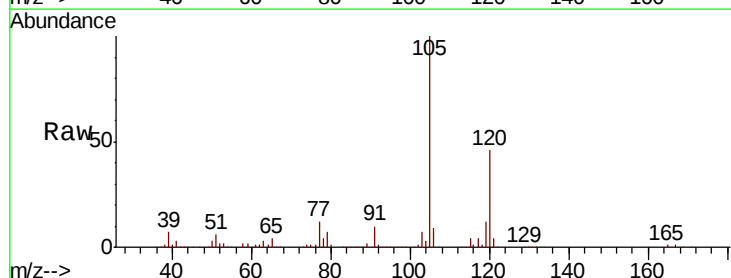


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

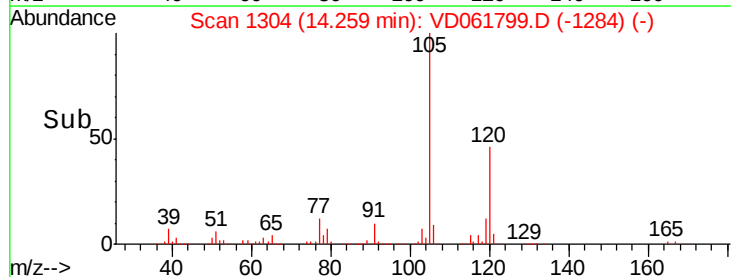
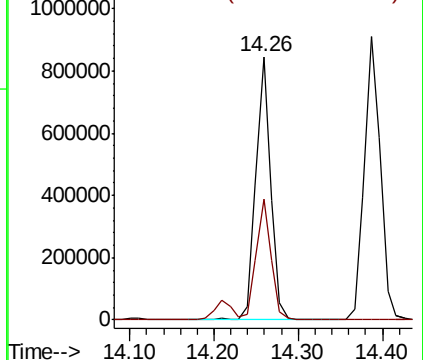


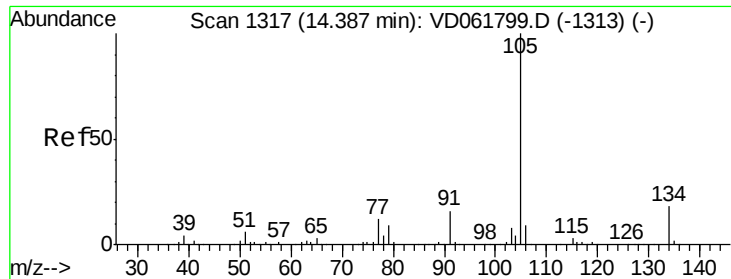
#84
1,2,4-Trimethylbenzene
Concen: 53.416 ug/l
RT: 14.26 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:105 Resp: 1054012
Ion Ratio Lower Upper
105 100
120 46.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

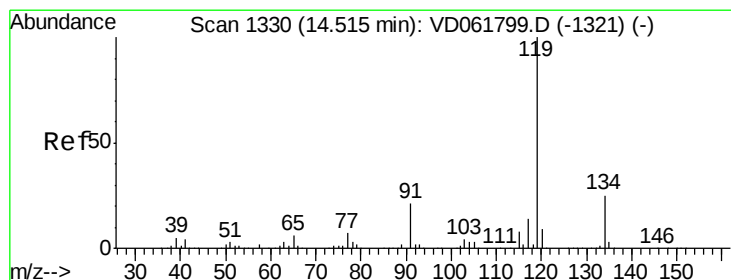
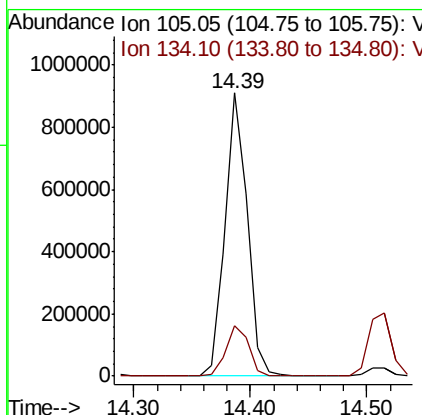
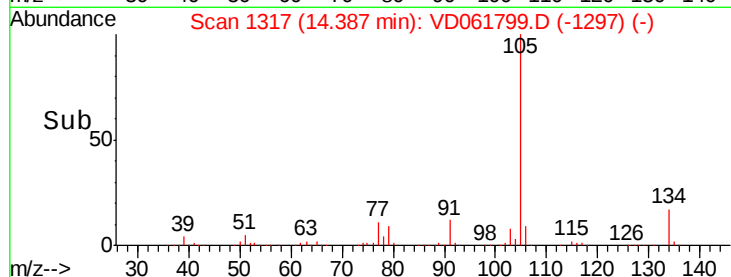
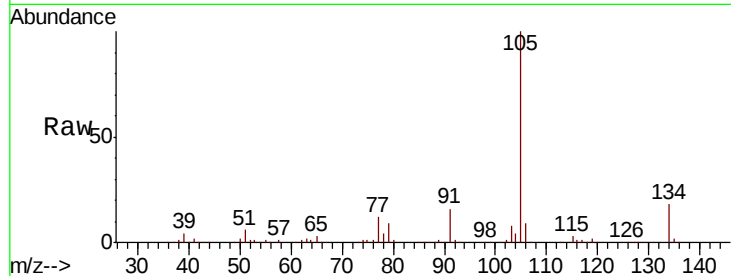




#85
 sec-Butylbenzene
 Concen: 50.547 ug/l
 RT: 14.39 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

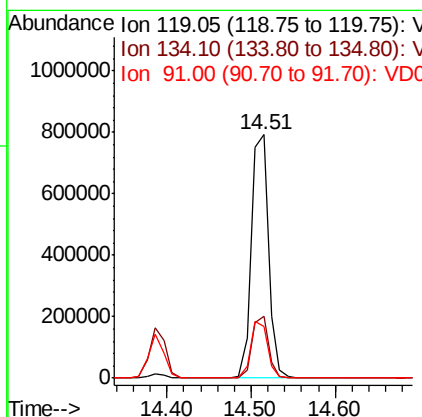
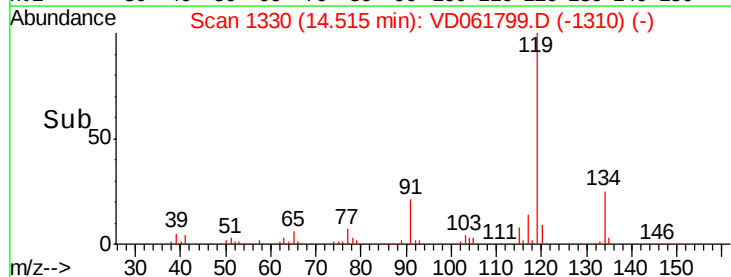
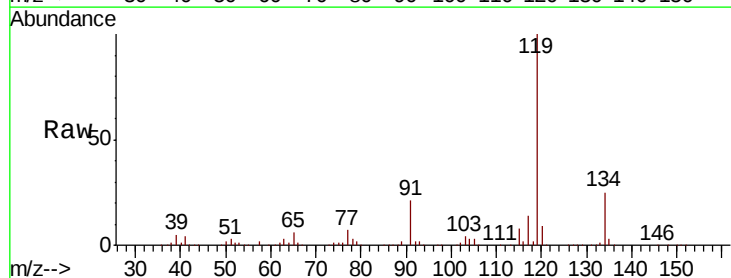
Instrument :
 MSVOA_D
 ClientSampled :

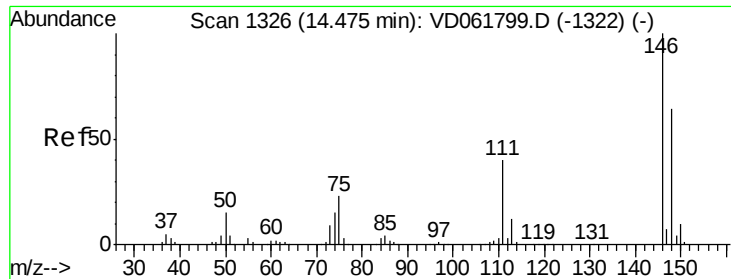
Tot Ion:105 Resp: 1204437
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 50.778 ug/l
 RT: 14.51 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion:119 Resp: 1132066
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 21.4 10.7 32.1

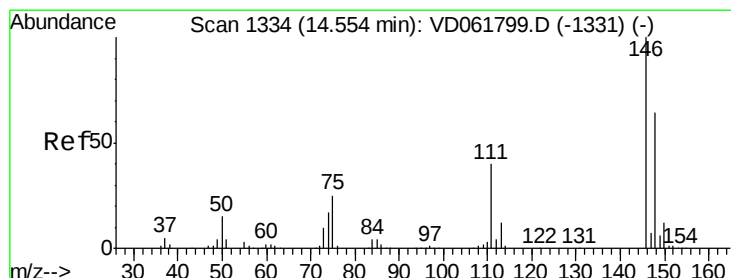
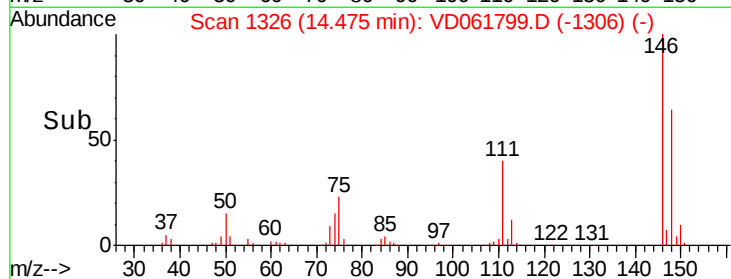
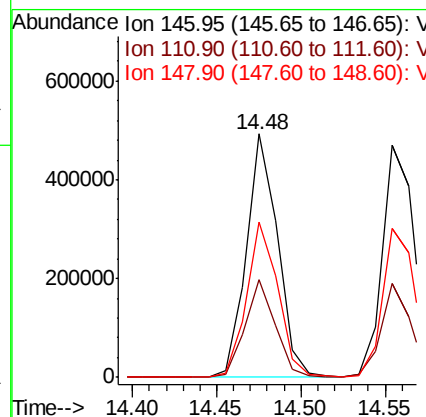
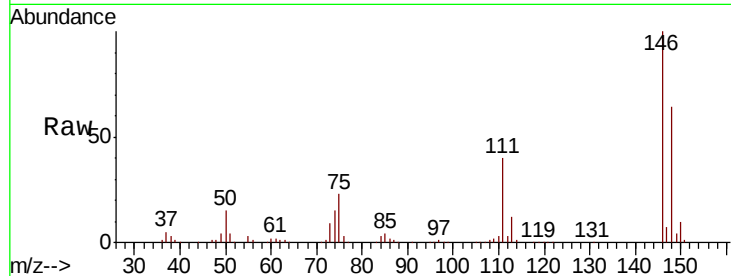




#87
 1,3-Dichlorobenzene
 Concen: 51.674 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

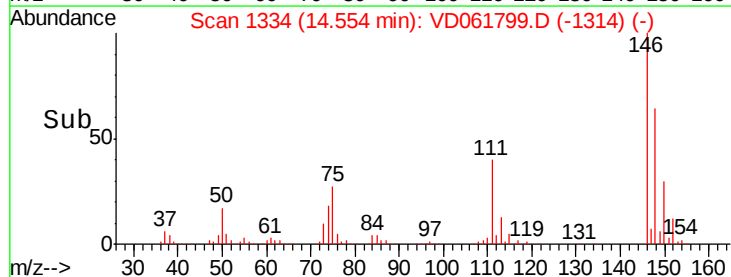
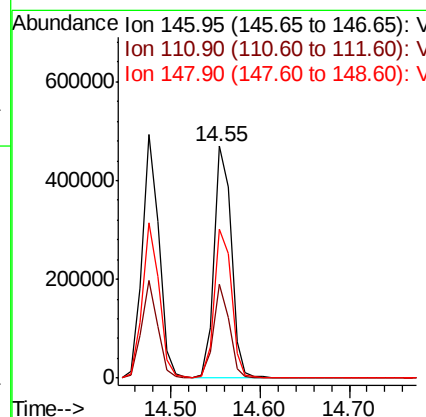
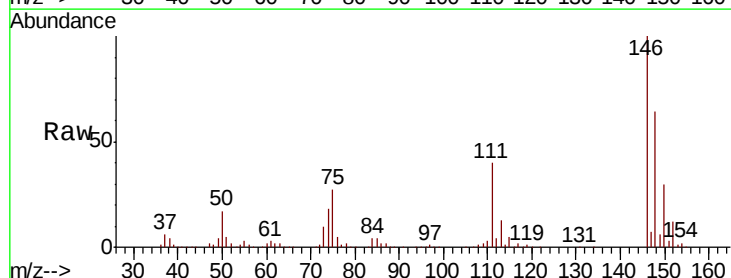
Instrument :
 MSVOA_D
 ClientSampleId :

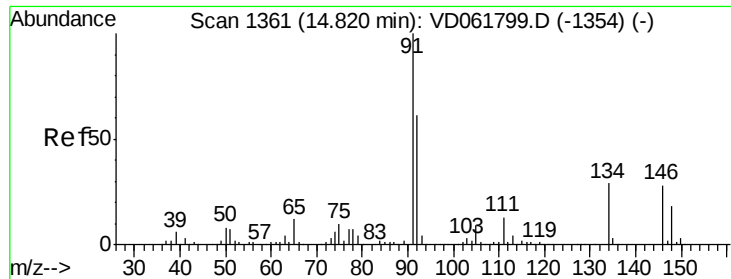
Tot Ion:146 Resp: 633976
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.685 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion:146 Resp: 626826
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.2 60.5
 148 64.1 32.0 96.2

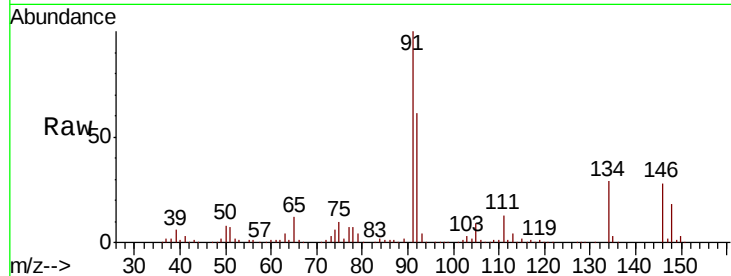




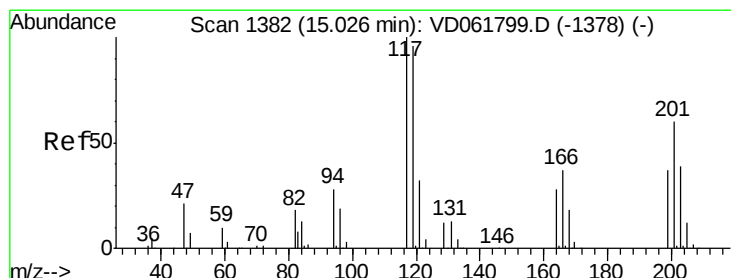
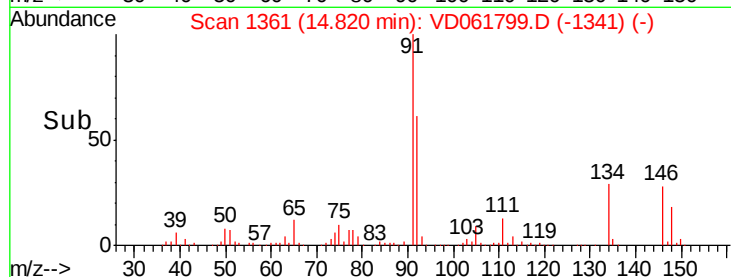
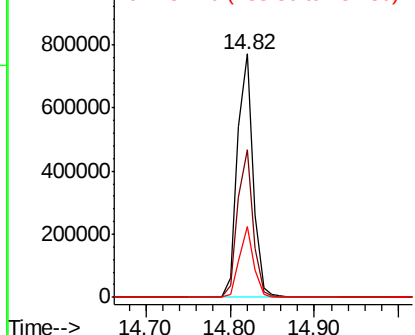
#89
n-Butylbenzene
Concen: 50.364 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 993923
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 29.1 14.5 43.6

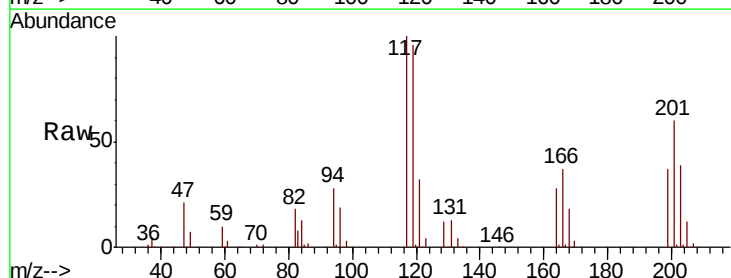


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

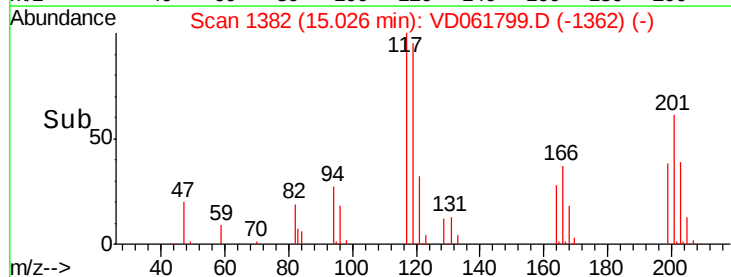
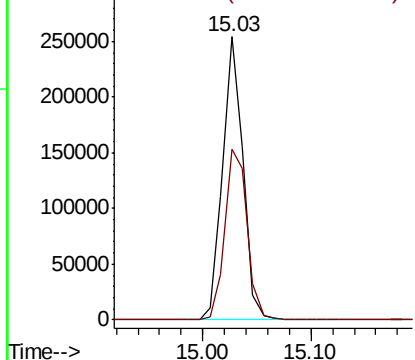


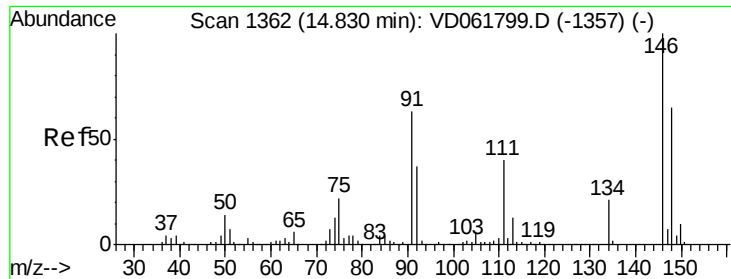
#90
Hexachloroethane
Concen: 54.420 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion: 117 Resp: 330687
Ion Ratio Lower Upper
117 100
201 60.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

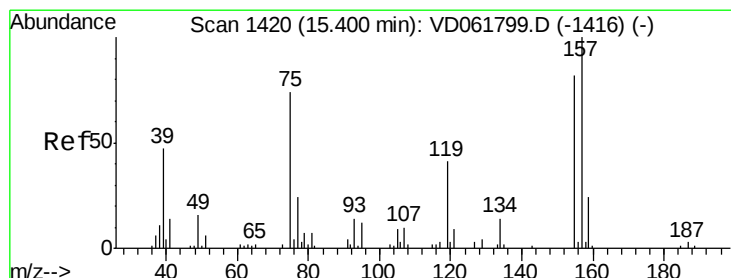
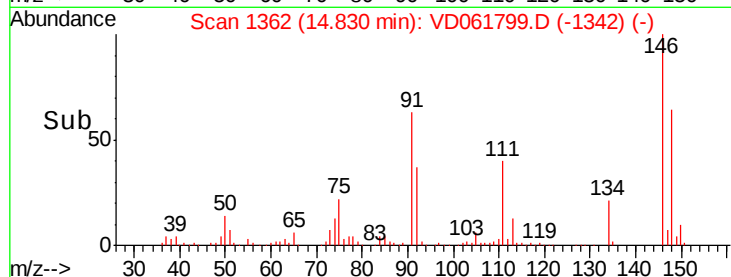
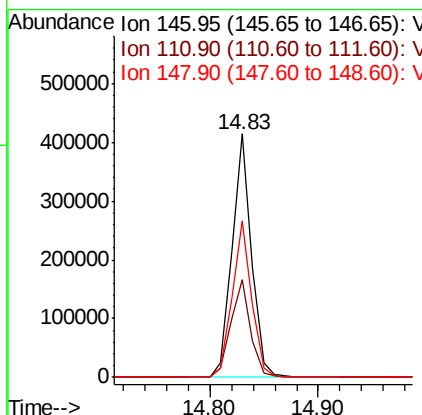
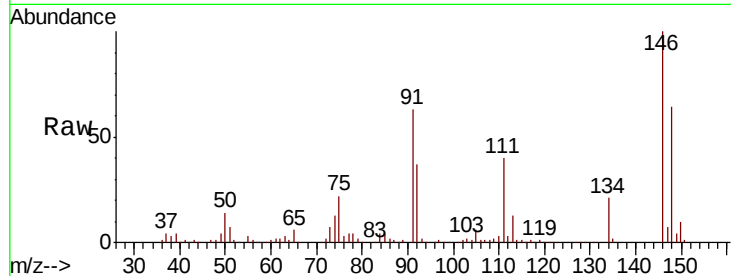




#91
 1,2-Dichlorobenzene
 Concen: 50.322 ug/l
 RT: 14.83 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

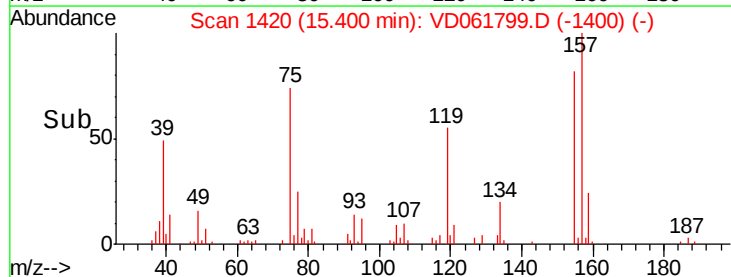
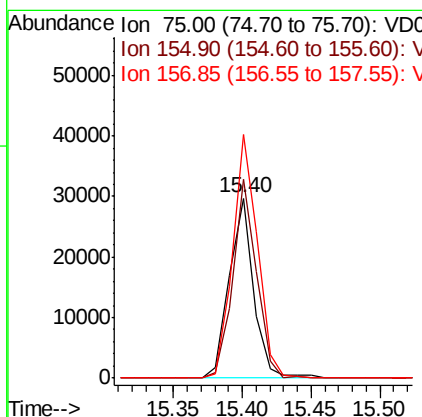
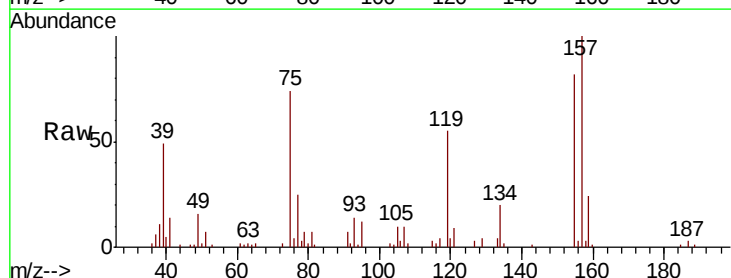
Instrument :
 MSVOA_D
 ClientSampleId :

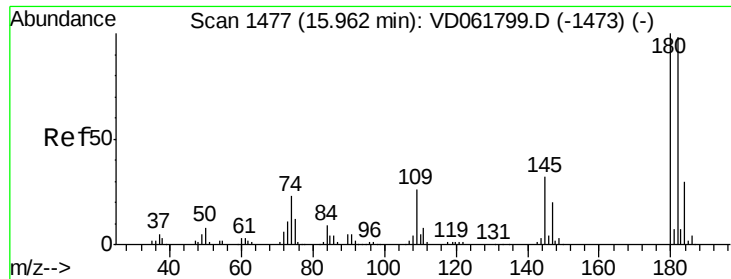
Tot Ion:146 Resp: 517150
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.751 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion: 75 Resp: 36397
 Ion Ratio Lower Upper
 75 100
 155 110.5 55.3 165.8
 157 135.5 67.8 203.2

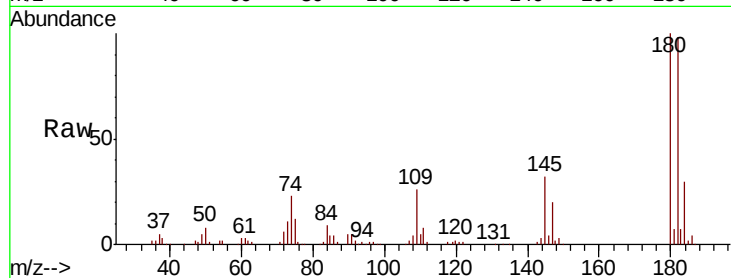




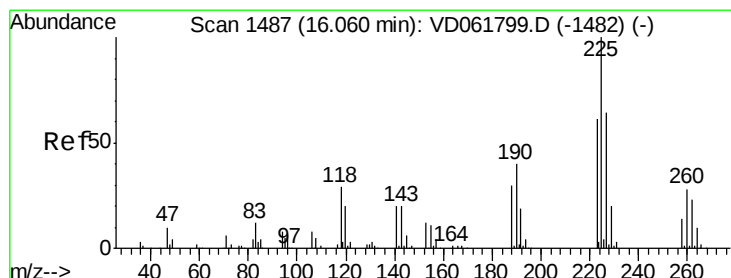
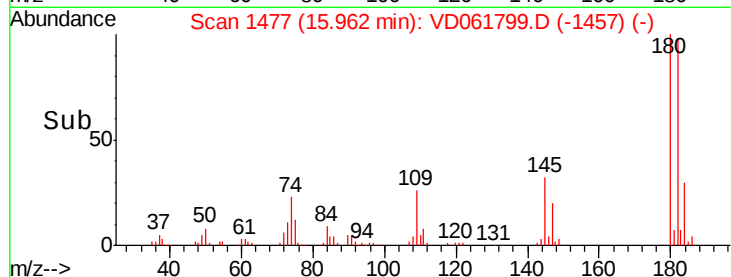
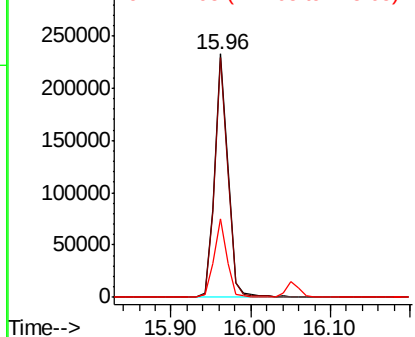
#93
 1,2,4-Trichlorobenzene
 Concen: 49.374 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	49.3	147.8
145	32.4	16.2	48.6

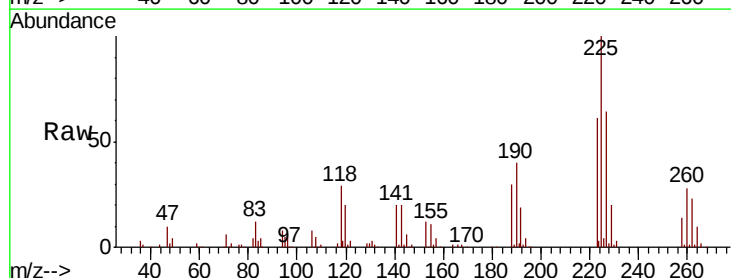


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

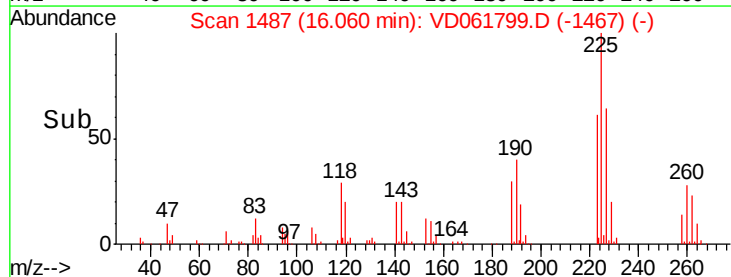
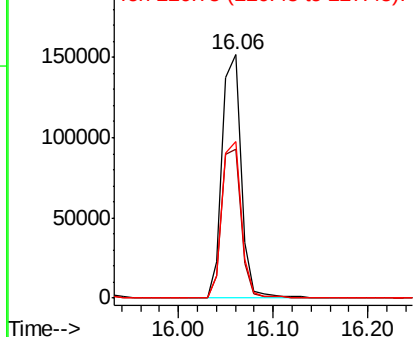


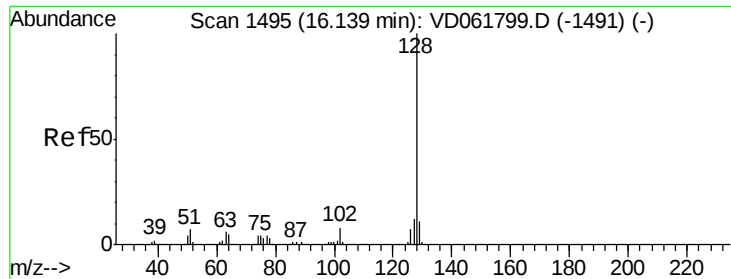
#94
 Hexachlorobutadiene
 Concen: 51.805 ug/l
 RT: 16.06 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD061799.D
 Acq: 15 Apr 2019 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.6	92.0
227	64.1	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

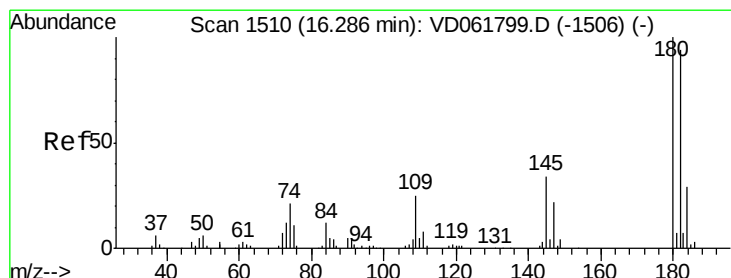
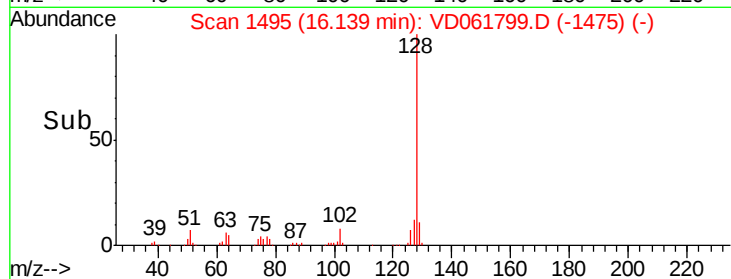
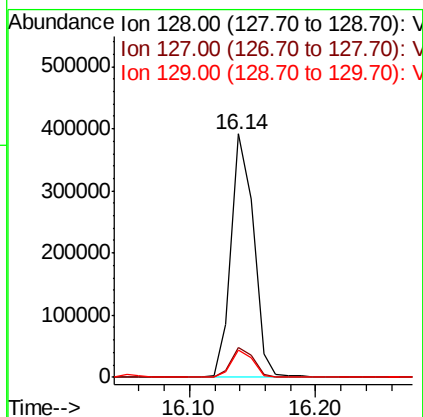
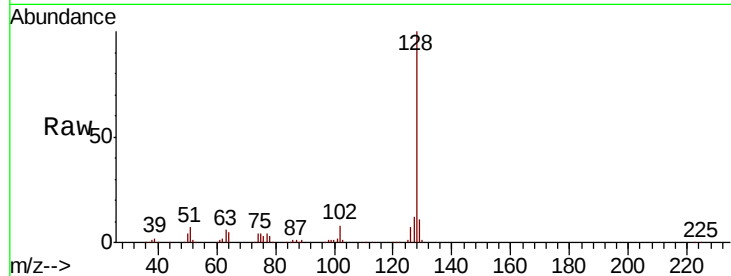




#95
Naphthalene
Concen: 55.891 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 483533
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.589 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD061799.D
Acq: 15 Apr 2019 14:09

Tgt Ion:180 Resp: 169155
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 34.0 17.0 51.0

