

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069889.D
 Acq On : 28 Jul 2021 15:25
 Operator : VA/SY
 Sample : M3202-01
 Misc : 5.09G/5.00ml/MSVOA_D/soil
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-072721

Quant Time: Jul 29 03:59:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

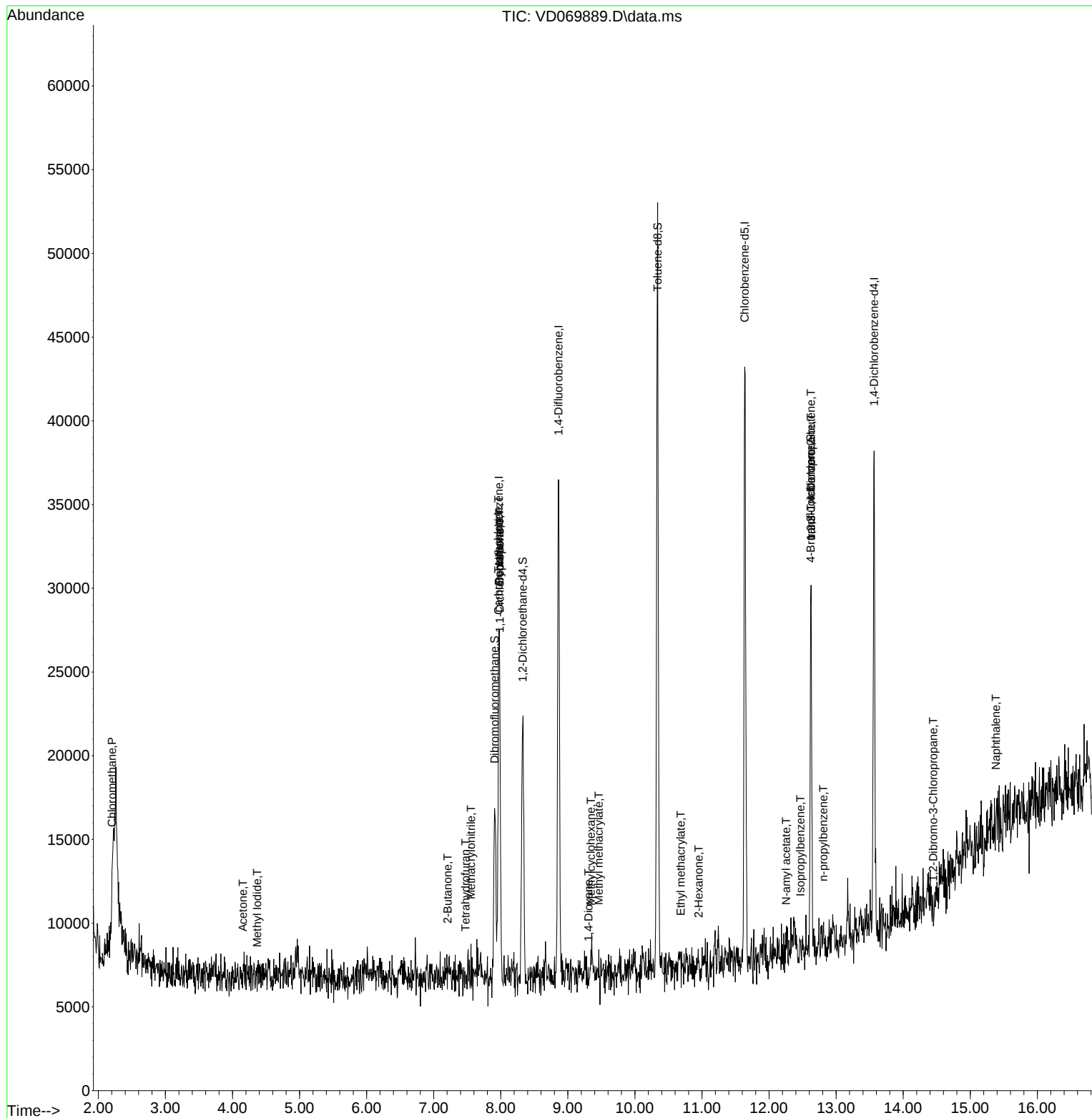
Internal Standards						
1) Pentafluorobenzene	7.973	168	15088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	23779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	22679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	7434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12307	70.923	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 141.840%			
35) Dibromofluoromethane	7.908	113	8095	54.002	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.000%			
50) Toluene-d8	10.337	98	29796	51.549	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.620	95	7591	39.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.600%			
Target Compounds						Qvalue
3) Chloromethane	2.203	50	370	1.606	ug/l #	75
10) Methyl Iodide	4.367	142	69	3.805	ug/l #	40
16) Acetone	4.155	43	173	5.519	ug/l #	38
20) Methylene Chloride	4.961	84	819	Below Cal	#	61
25) 2-Butanone	7.208	43	55	1.294	ug/l #	46
29) Tetrahydrofuran	7.473	42	66	2.400	ug/l #	32
31) Cyclohexane	7.979	56	761	2.244	ug/l #	57
36) 1,1-Dichloropropene	7.985	75	1129	4.400	ug/l #	42
38) Carbon Tetrachloride	7.967	117	1853	7.905	ug/l #	12
39) Methylcyclohexane	9.343	83	745	2.535	ug/l #	18
41) Methacrylonitrile	7.555	41	71	1.448	ug/l #	18
48) Methyl methacrylate	9.461	41	67	3.457	ug/l #	1
49) 1,4-Dioxane	9.308	88	76	74.941	ug/l #	21
56) Ethyl methacrylate	10.684	69	54	4.193	ug/l #	1
59) 2-Hexanone	10.949	43	187	3.243	ug/l #	21
73) Isopropylbenzene	12.467	105	548	1.026	ug/l #	49
74) N-amyl acetate	12.255	43	693	6.308	ug/l #	47
76) 1,2,3-Trichloropropane	12.625	75	3830	48.470	ug/l #	1
78) n-propylbenzene	12.808	91	787	1.147	ug/l #	54
81) trans-1,4-Dichloro-2-b...	12.625	75	3830	147.045	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.449	75	57	3.711	ug/l #	7
95) Naphthalene	15.384	128	218	5.806	ug/l #	61

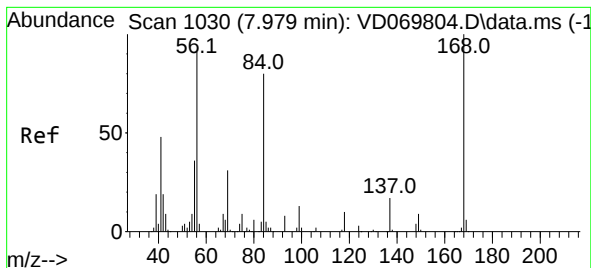
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069889.D

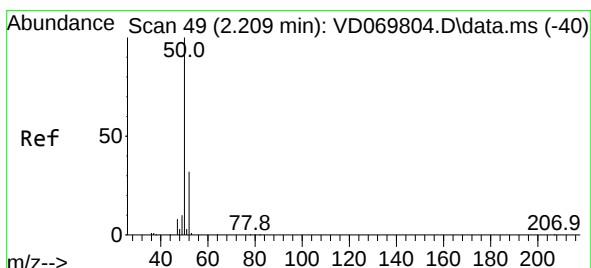
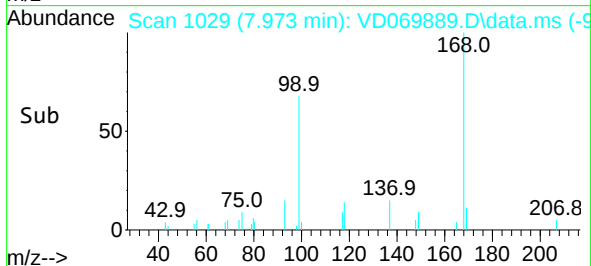
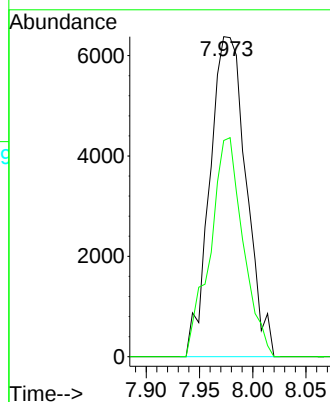
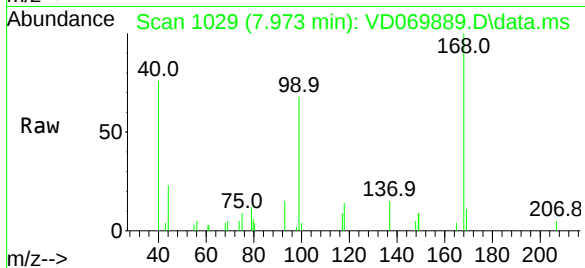
Acq: 28 Jul 2021 15:25

Tgt Ion:168 Resp: 15088

Ion Ratio Lower Upper

168 100

99 67.6 51.1 76.7



#3

Chloromethane

Concen: 1.606 ug/l

RT: 2.203 min Scan# 48

Delta R.T. -0.006 min

Lab File: VD069889.D

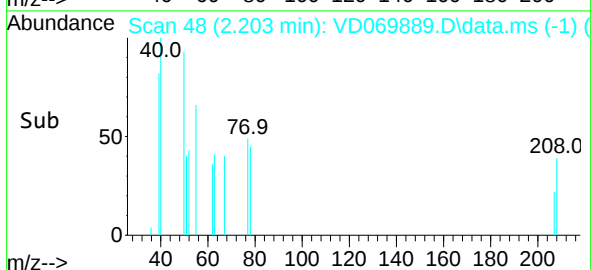
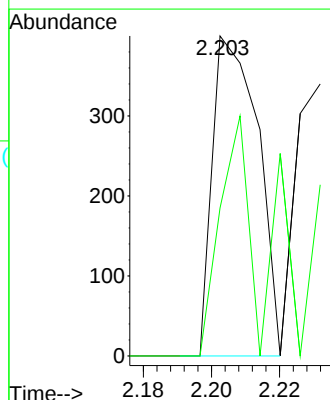
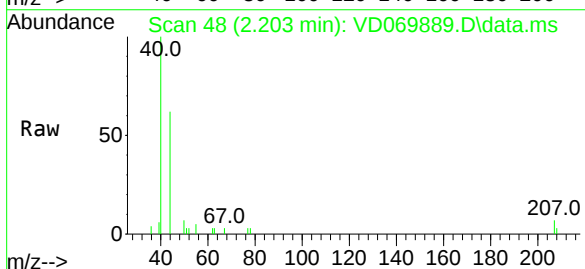
Acq: 28 Jul 2021 15:25

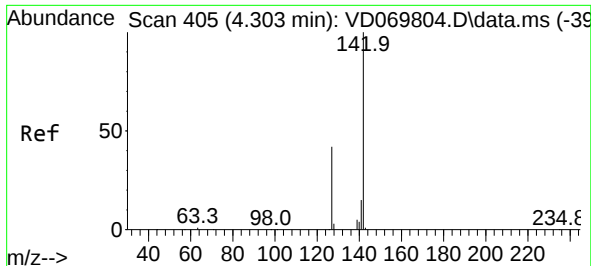
Tgt Ion: 50 Resp: 370

Ion Ratio Lower Upper

50 100

52 46.3 25.7 38.5#

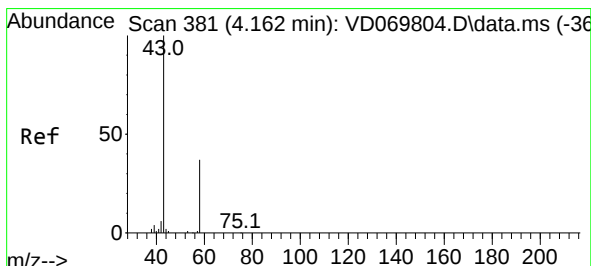
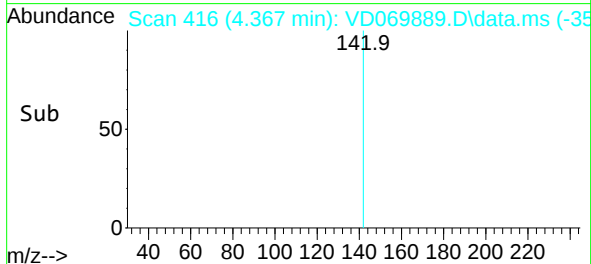
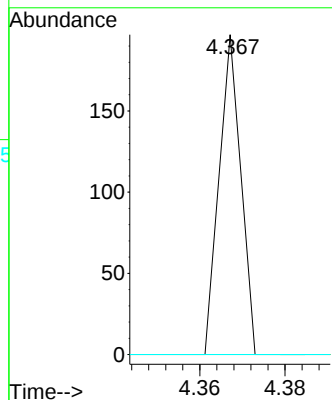
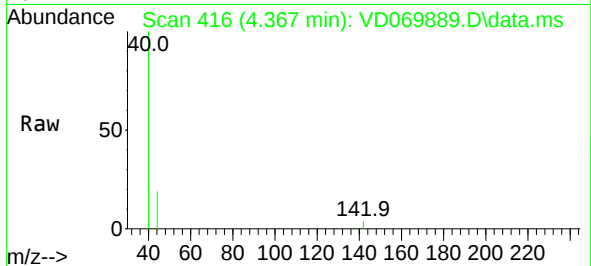




#10
Methyl Iodide
Concen: 3.805 ug/l
RT: 4.367 min Scan# 416
Delta R.T. 0.064 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

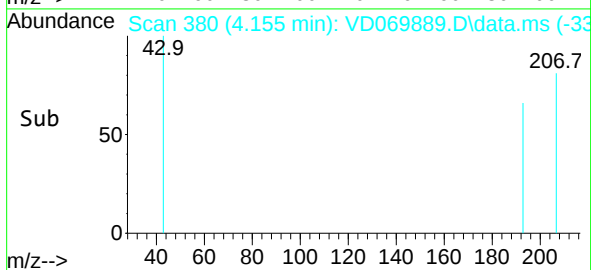
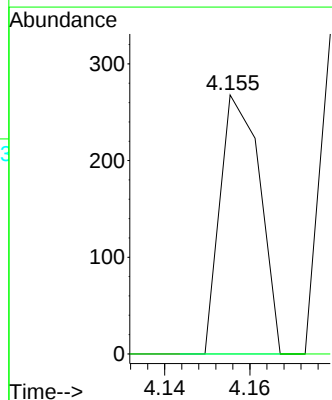
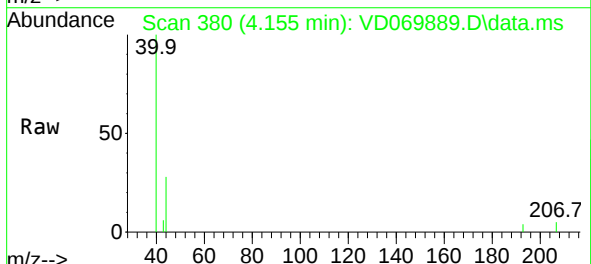
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

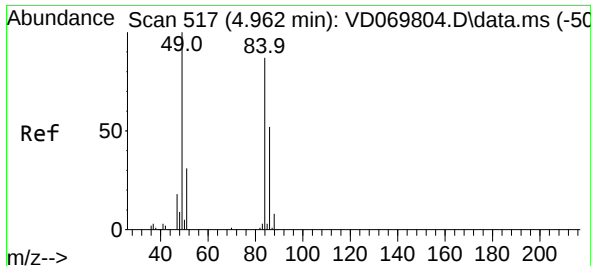
Tgt Ion:142 Resp: 69
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 5.519 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

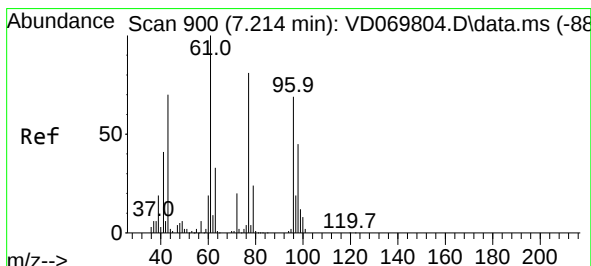
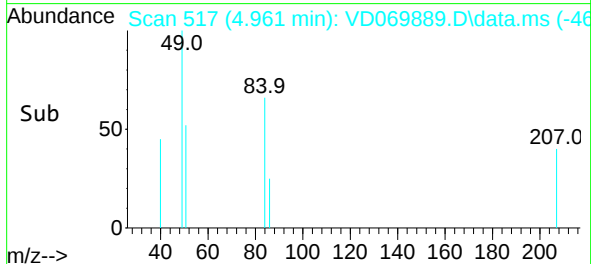
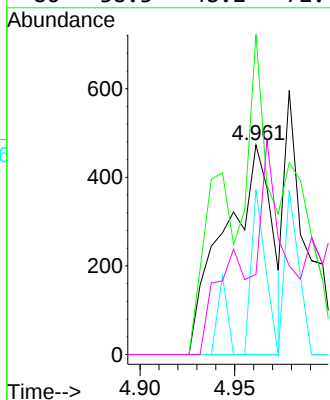
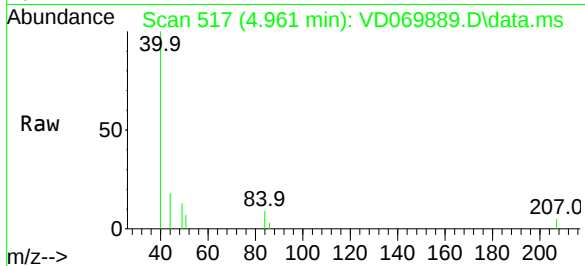




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

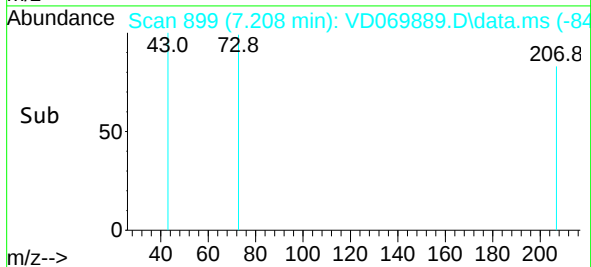
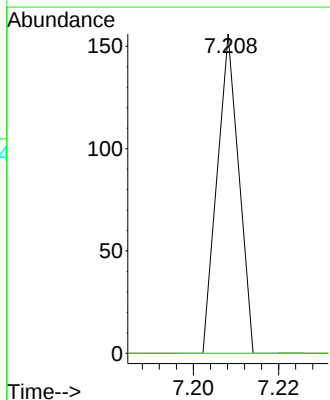
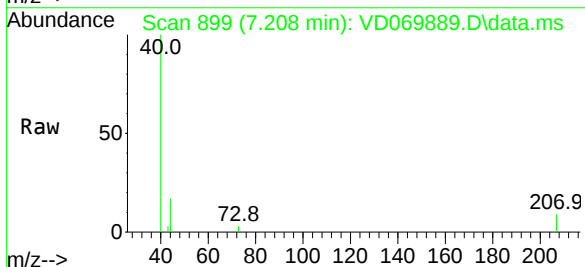
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

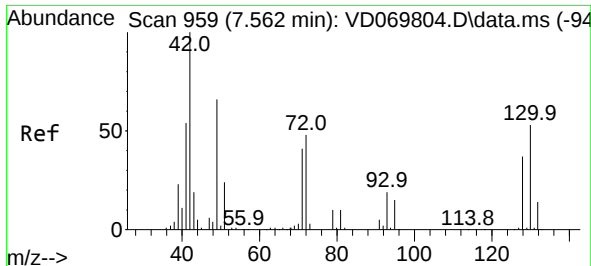
Tgt Ion:	84	Resp:	819
Ion	Ratio	Lower	Upper
84	100		
49	152.6	92.4	138.6#
51	78.6	28.5	42.7#
86	38.3	48.2	72.4#



#25
2-Butanone
Concen: 1.294 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#





#29

Tetrahydrofuran

Concen: 2.400 ug/l

RT: 7.473 min Scan# 944

Delta R.T. -0.089 min

Lab File: VD069889.D

Acq: 28 Jul 2021 15:25

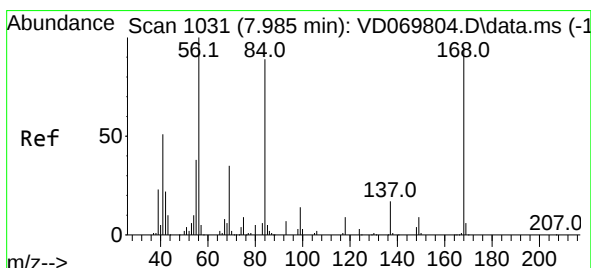
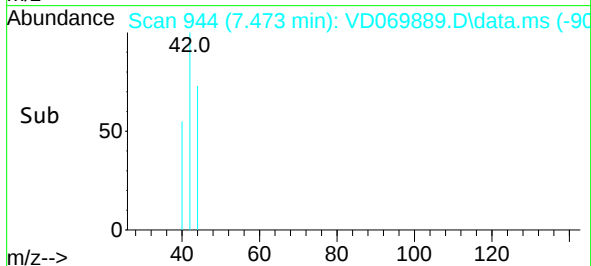
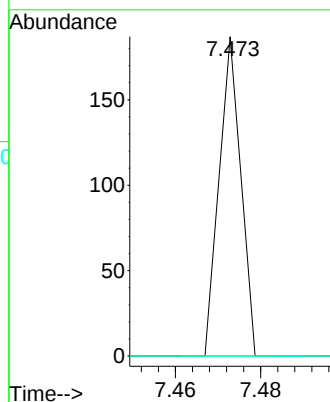
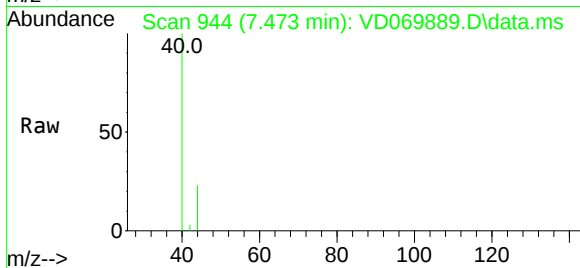
Instrument :

MSVOA_D

ClientSampleId :

CL-02-072721

Tgt Ion:	42	Resp:	66
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 2.244 ug/l

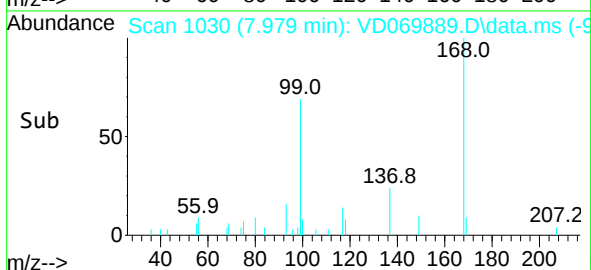
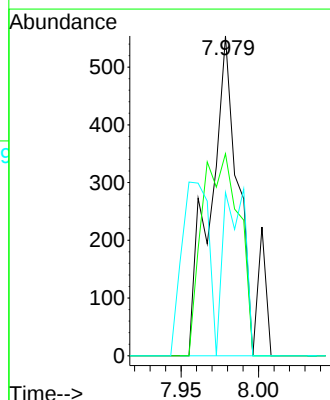
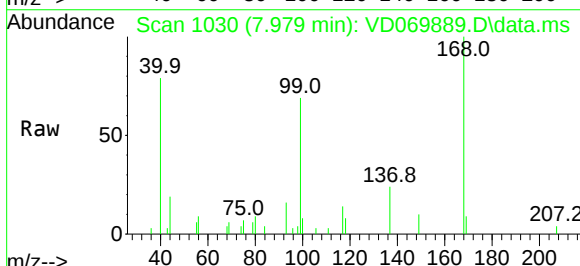
RT: 7.979 min Scan# 1030

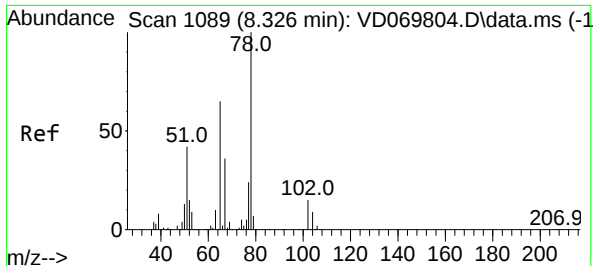
Delta R.T. -0.006 min

Lab File: VD069889.D

Acq: 28 Jul 2021 15:25

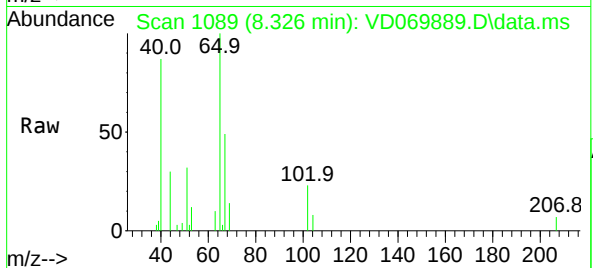
Tgt Ion:	56	Resp:	761
Ion	Ratio	Lower	Upper
56	100		
69	63.2	27.9	41.9#
84	51.1	71.4	107.2#



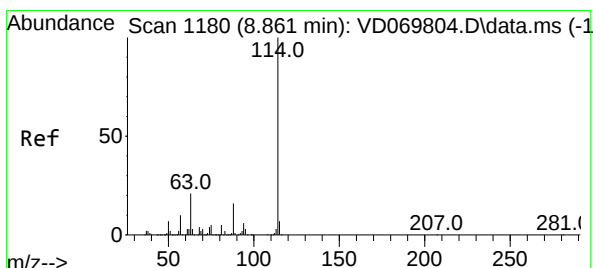
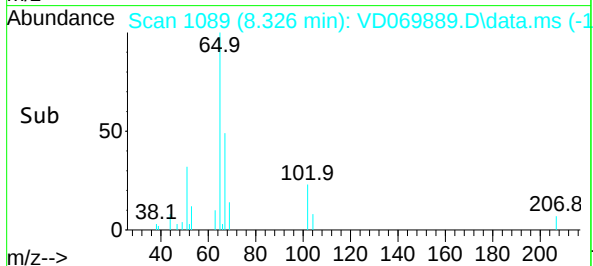
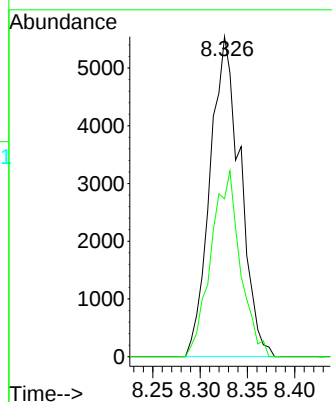


#33
1,2-Dichloroethane-d4
Concen: 70.923 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

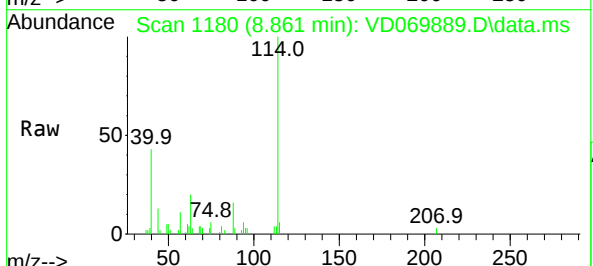
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721



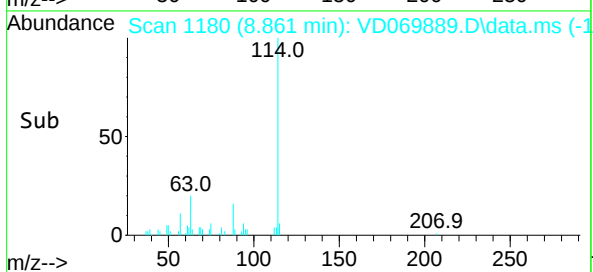
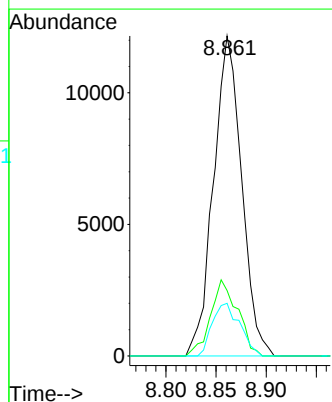
Tgt Ion: 65 Resp: 12307
Ion Ratio Lower Upper
65 100
67 56.1 0.0 111.2

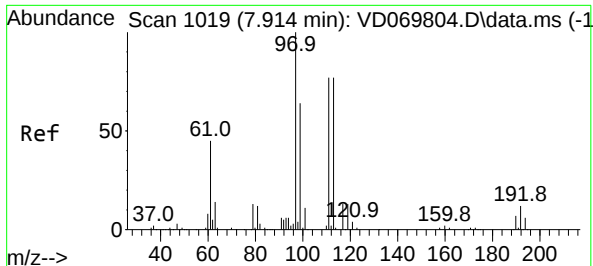


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25



Tgt Ion: 114 Resp: 23779
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 54.002 ug/l

RT: 7.908 min Scan# 1018

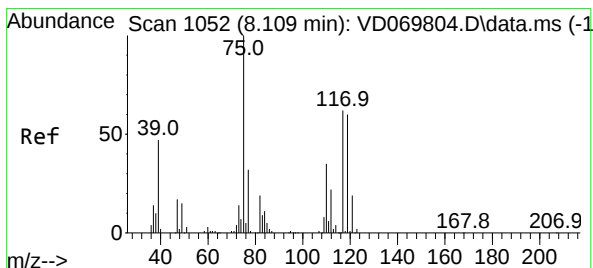
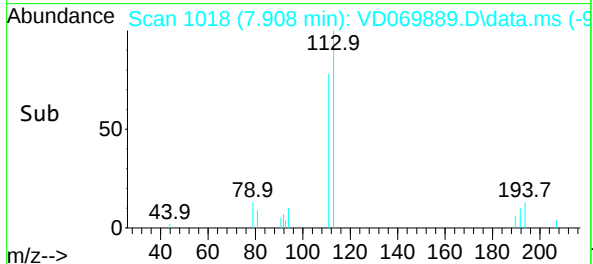
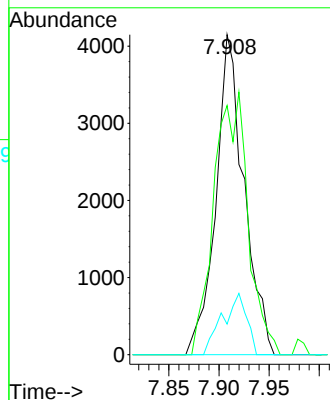
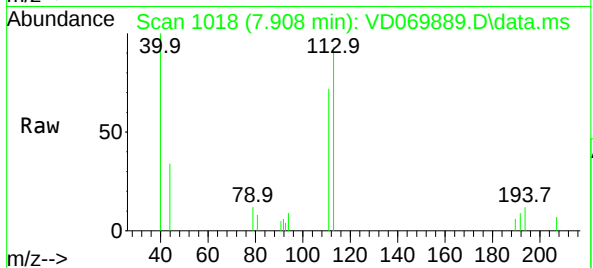
Delta R.T. -0.006 min

Lab File: VD069889.D

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Tgt Ion:	113	Resp:	8095
Ion	Ratio	Lower	Upper
113	100		
111	98.9	80.5	120.7
192	16.5	12.6	19.0

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#36

1,1-Dichloropropene

Concen: 4.400 ug/l

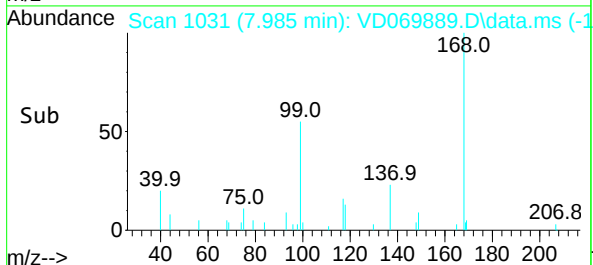
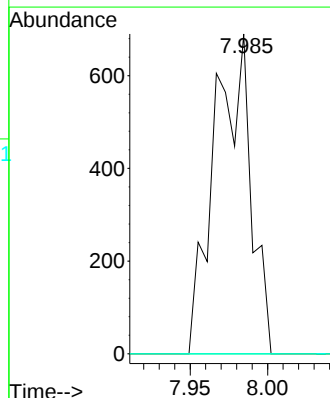
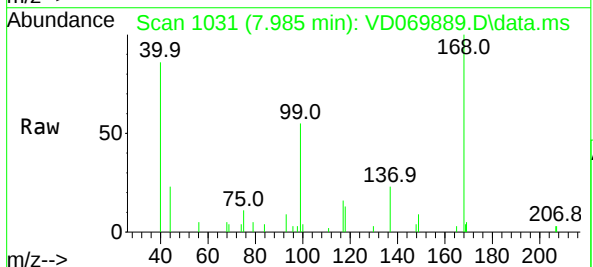
RT: 7.985 min Scan# 1031

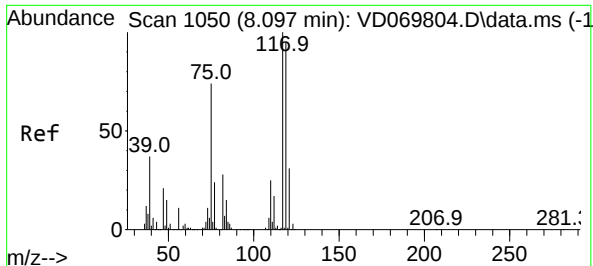
Delta R.T. -0.124 min

Lab File: VD069889.D

Acq: 28 Jul 2021 15:25

Tgt Ion:	75	Resp:	1129
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.9	50.7#
77	0.0	24.9	37.3#

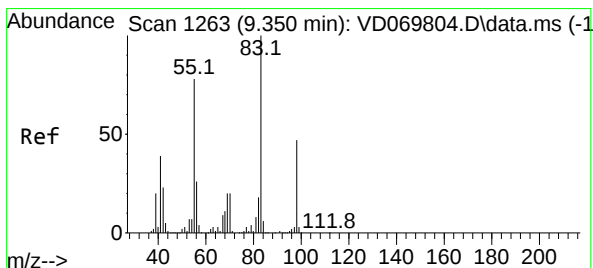
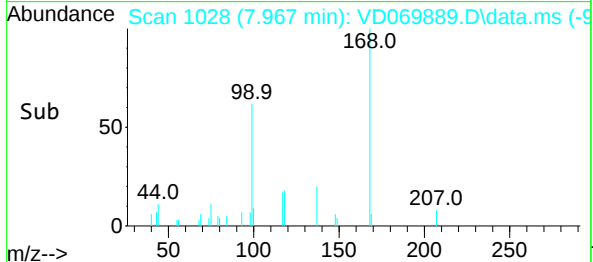
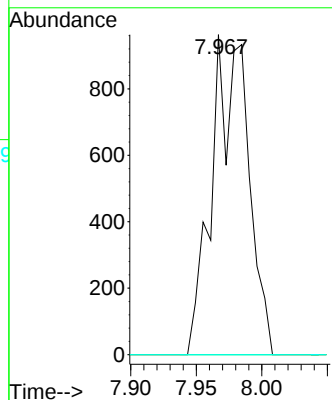
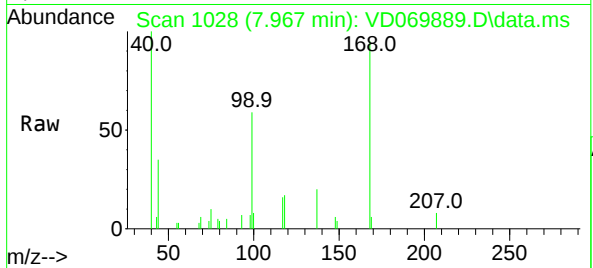




#38
Carbon Tetrachloride
Concen: 7.905 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

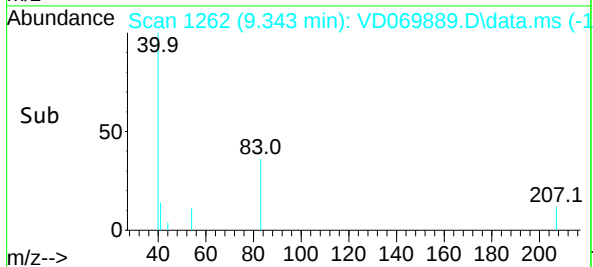
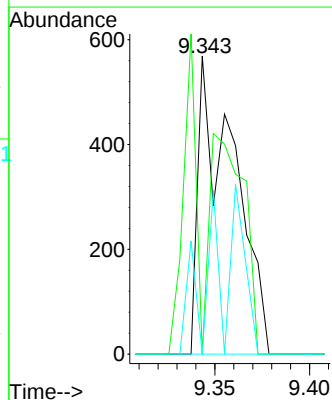
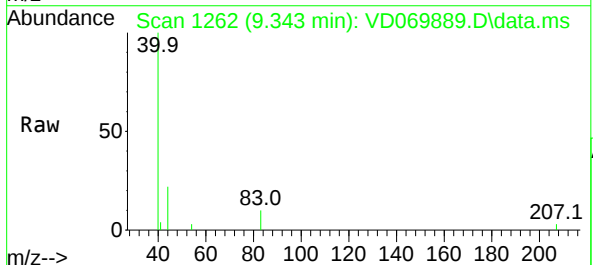
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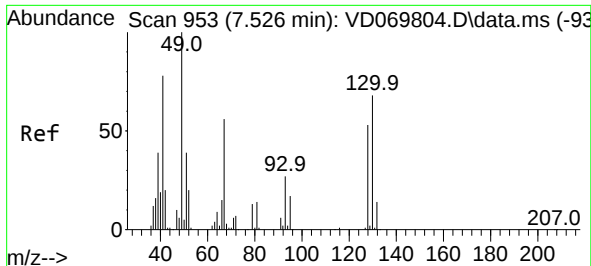
Tgt Ion:117 Resp: 1853
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.535 ug/l
RT: 9.343 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 83 Resp: 745
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 0.0 37.8 56.8#

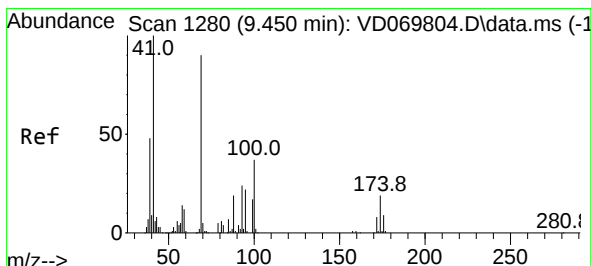
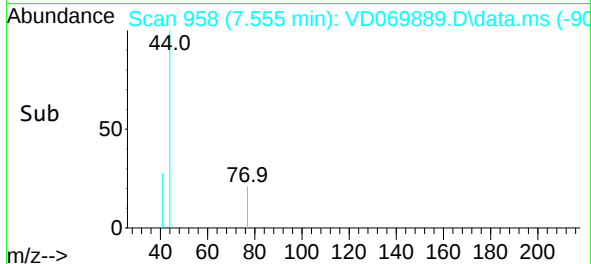
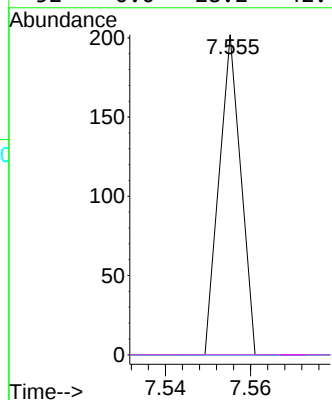
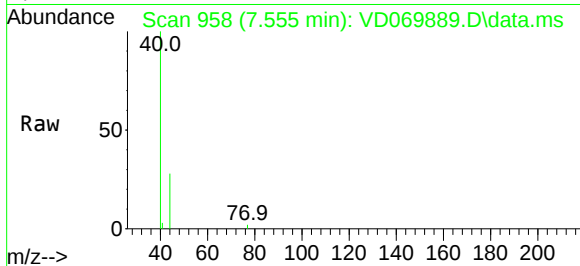




#41
Methacrylonitrile
Concen: 1.448 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.029 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

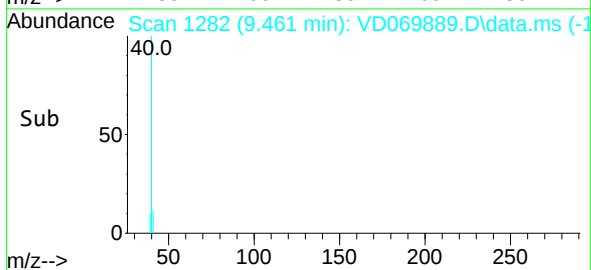
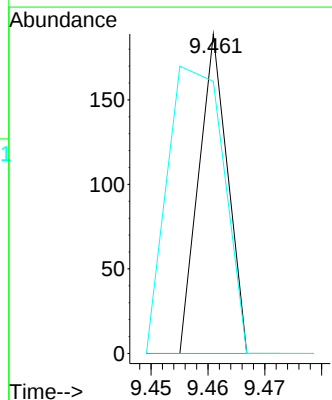
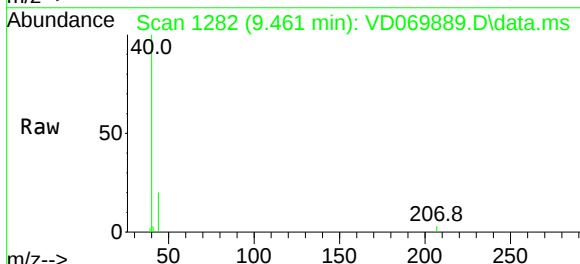
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

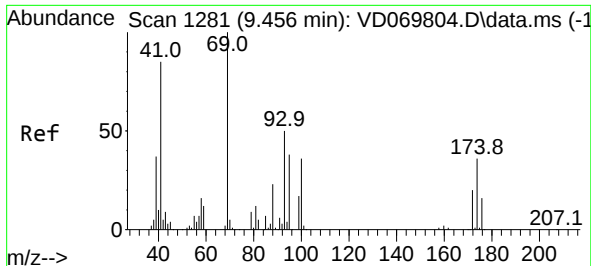
Tgt Ion:	41	Resp:	71
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.7	70.1#
67	0.0	69.3	103.9#
52	0.0	28.2	42.4#



#48
Methyl methacrylate
Concen: 3.457 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

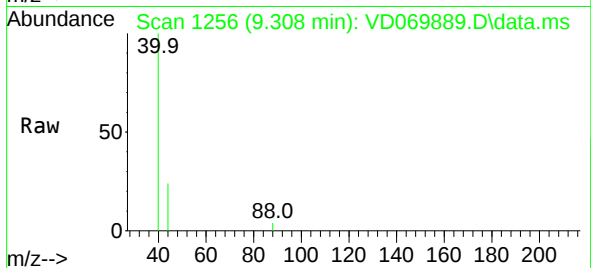
Tgt Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	174.6	36.6	55.0#



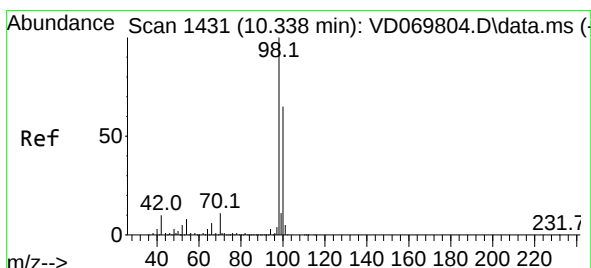
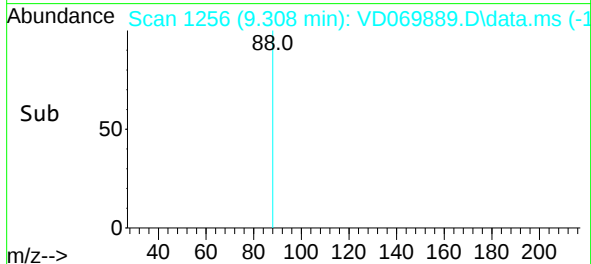
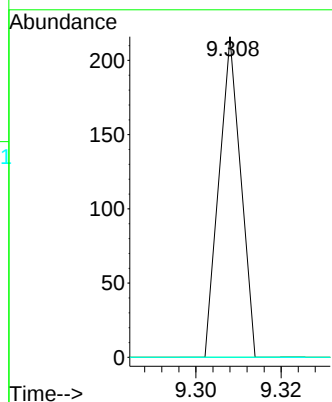


#49
1,4-Dioxane
Concen: 74.941 ug/l
RT: 9.308 min Scan# 1256
Delta R.T. -0.148 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

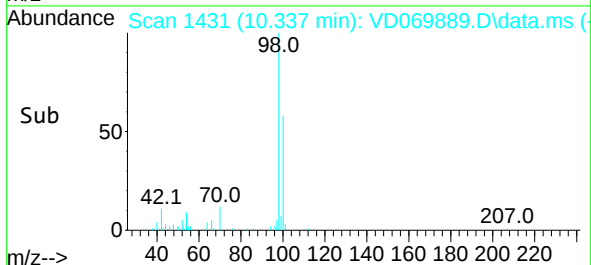
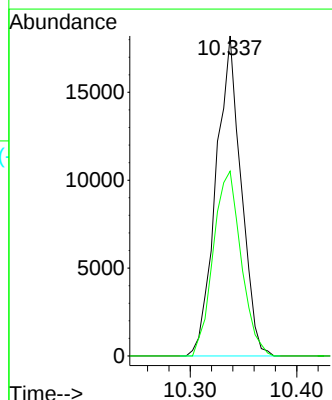
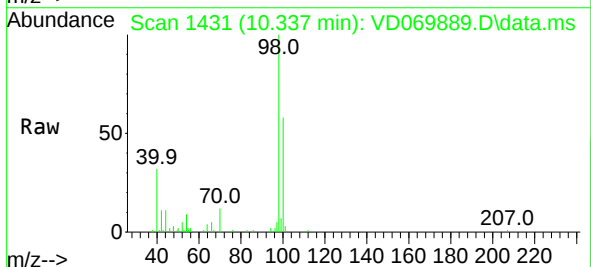


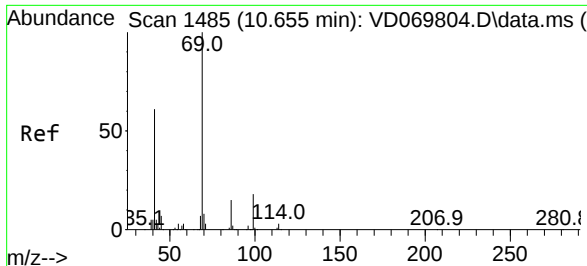
Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 51.549 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 98 Resp: 29796
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

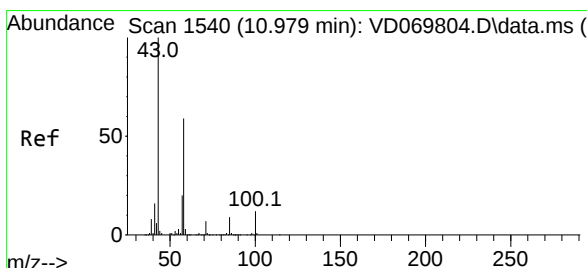
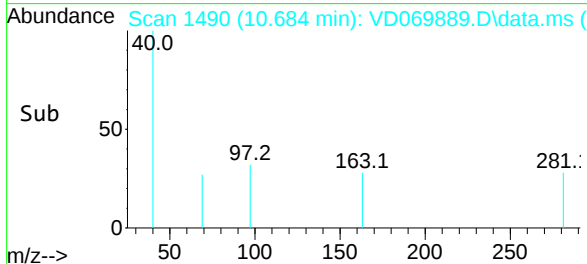
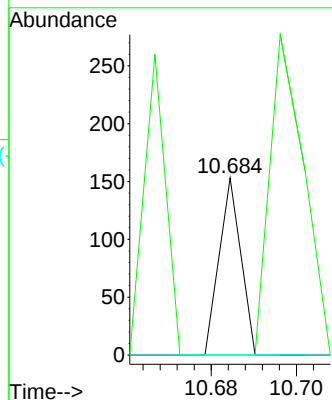
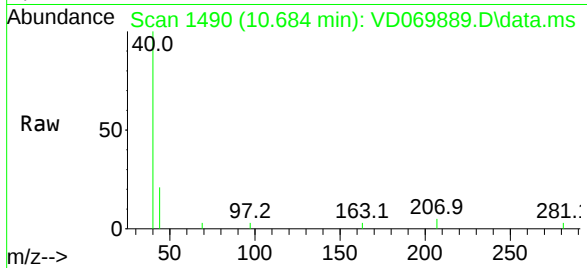




#56
Ethyl methacrylate
Concen: 4.193 ug/l
RT: 10.684 min Scan# 1490
Delta R.T. 0.029 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

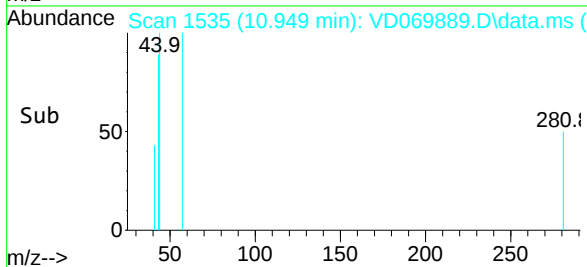
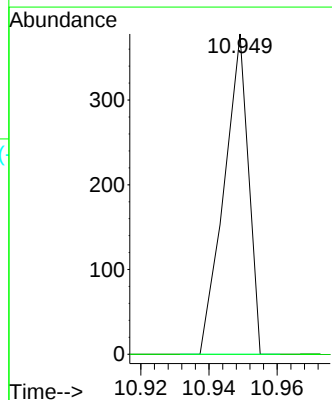
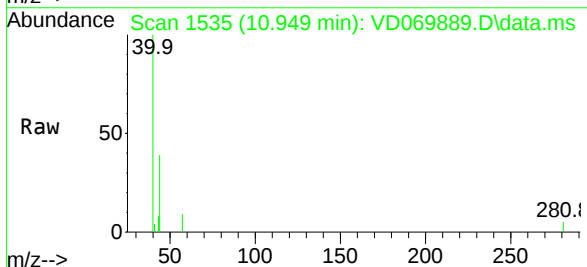
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

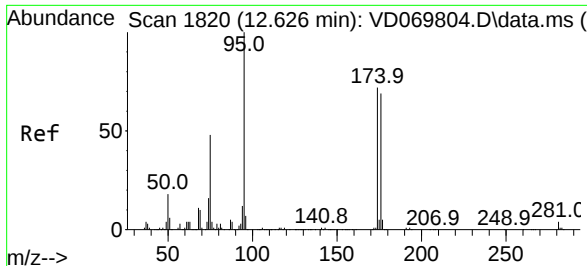
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 388.9 50.2 75.2#
39 0.0 22.0 33.0#



#59
2-Hexanone
Concen: 3.243 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

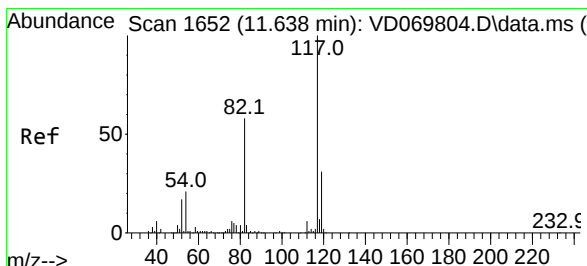
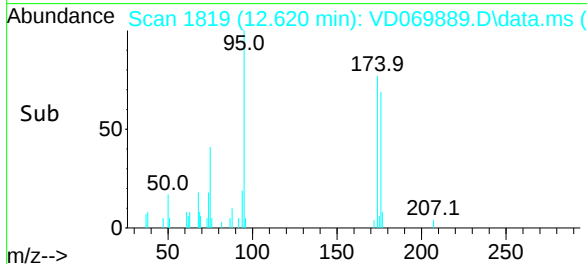
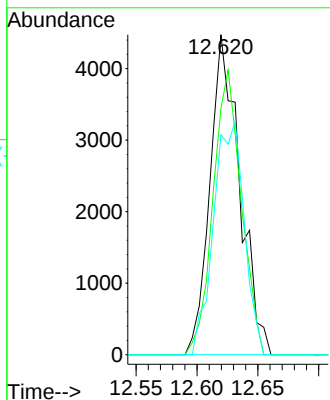
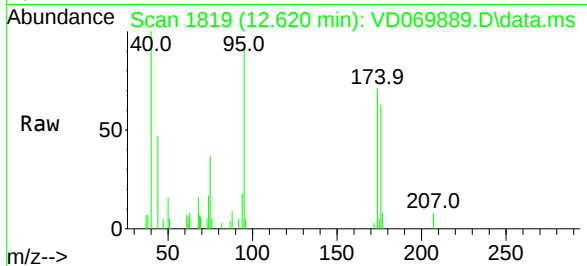




#62
4-Bromofluorobenzene
Concen: 39.296 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

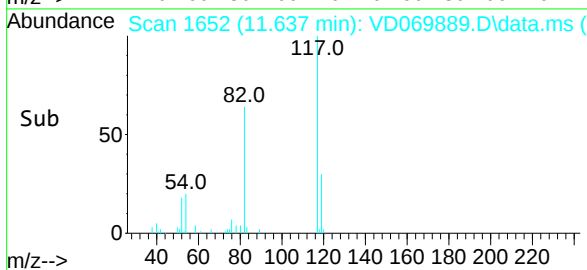
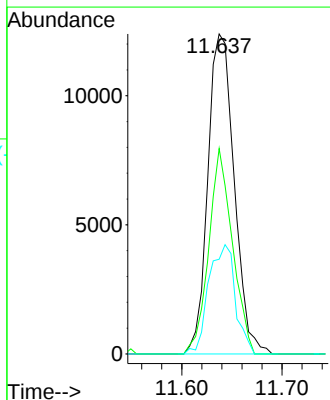
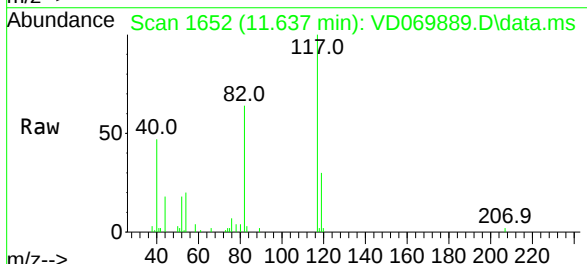
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

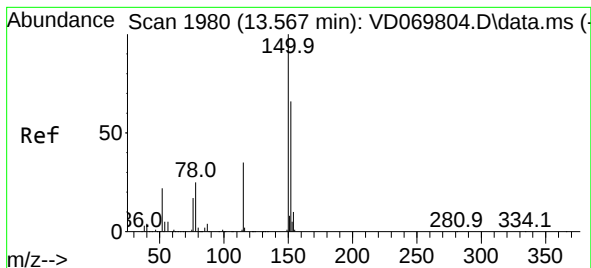
Tgt Ion:	95	Resp:	7591
Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	142.6
176	75.1	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion:	117	Resp:	22679
Ion	Ratio	Lower	Upper
117	100		
82	64.2	46.3	69.5
119	29.6	24.7	37.1

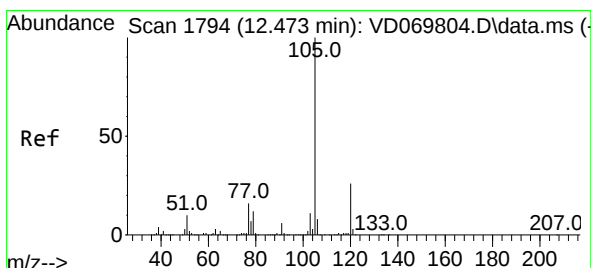
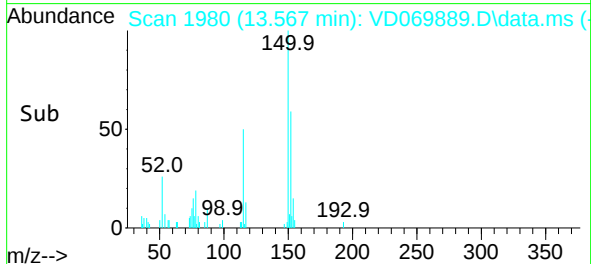
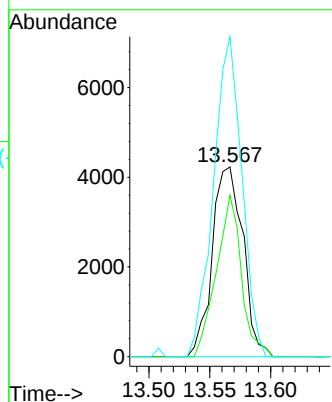
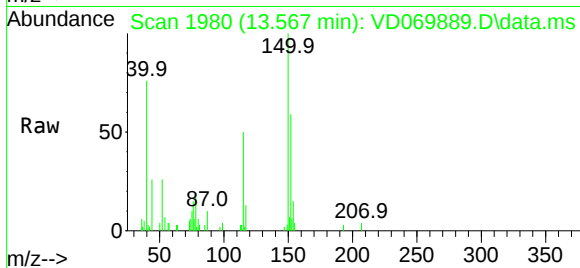




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

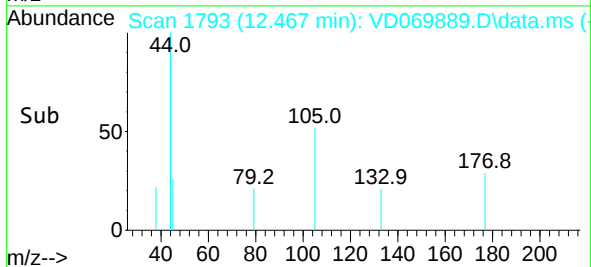
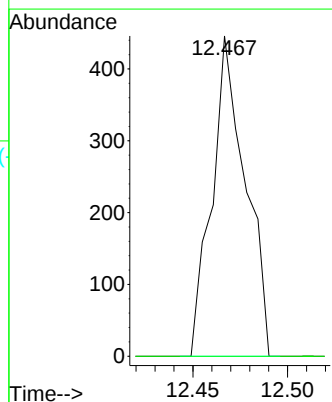
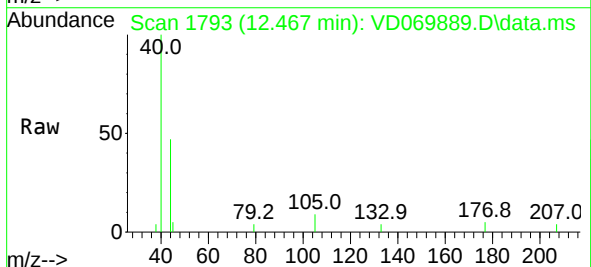
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

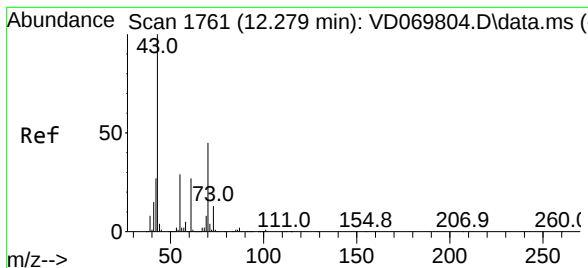
Tgt Ion:152 Resp: 7434
Ion Ratio Lower Upper
152 100
115 69.3 31.1 93.3
150 156.4 0.0 343.0



#73
Isopropylbenzene
Concen: 1.026 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion:105 Resp: 548
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#

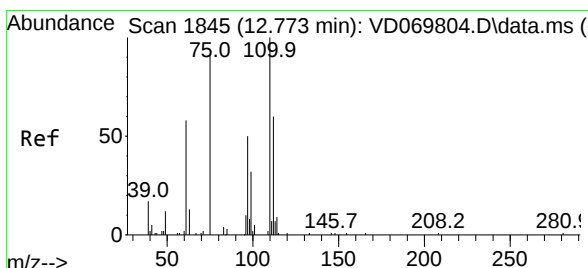
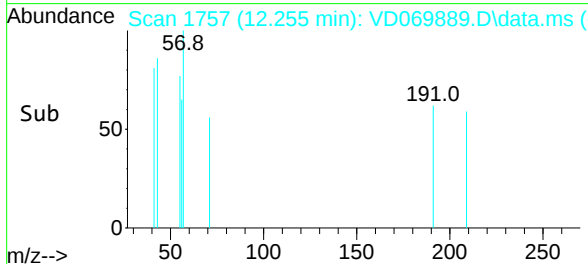
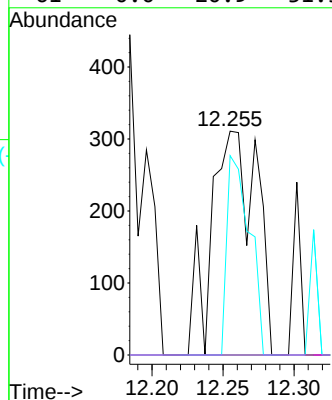
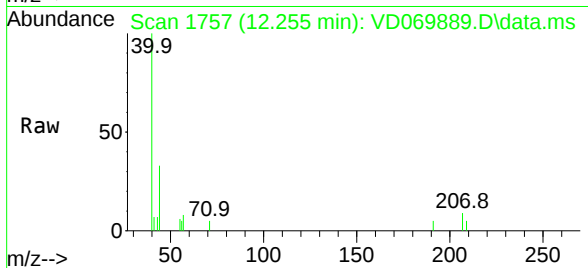




#74
N-amy1 acetate
Concen: 6.308 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

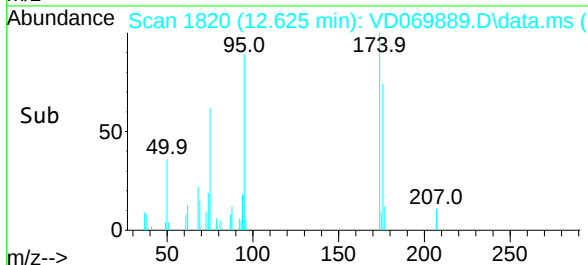
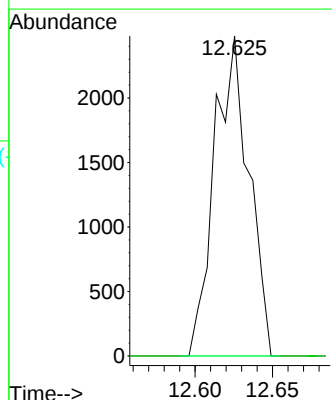
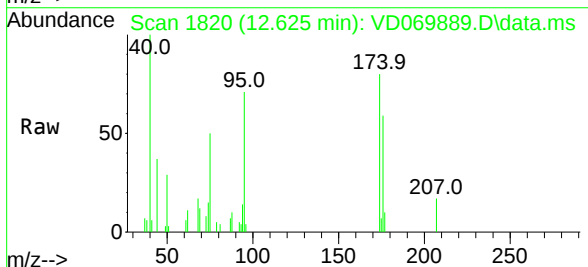
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

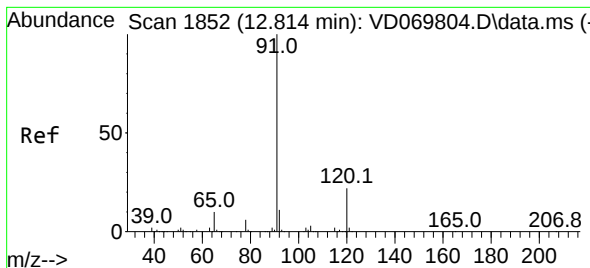
Tgt Ion: 43	Resp: 693
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 44.3	23.7 35.5#
61 0.0	20.9 31.3#



#76
1,2,3-Trichloropropane
Concen: 48.470 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 75	Resp: 3830
Ion Ratio	Lower Upper
75 100	
77 0.0	181.5 544.5#

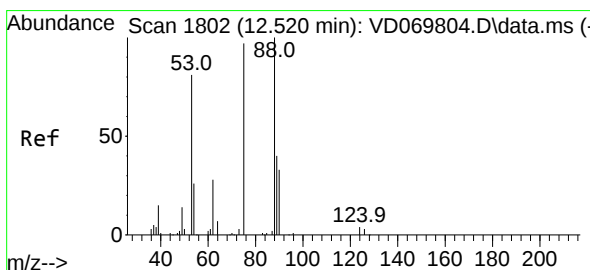
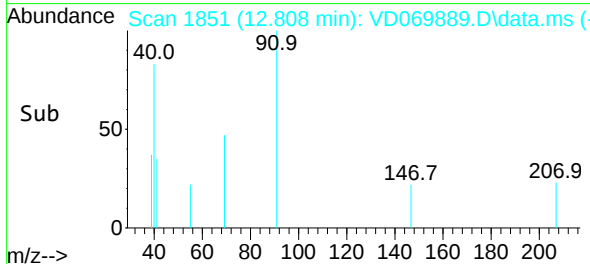
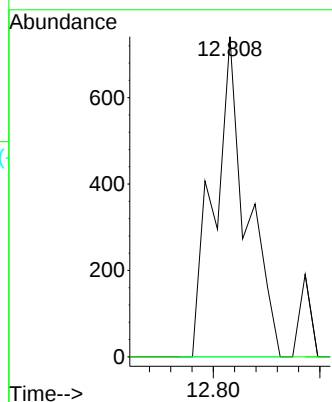
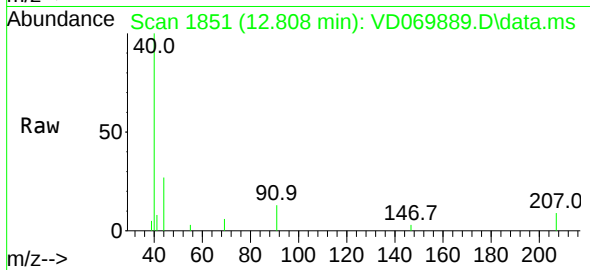




#78
n-propylbenzene
Concen: 1.147 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

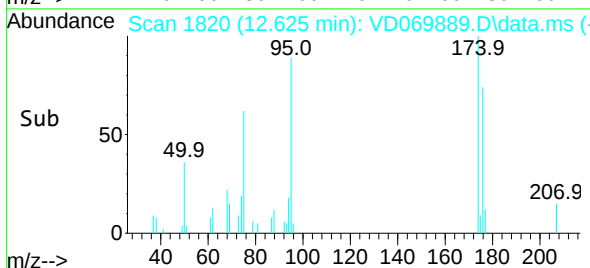
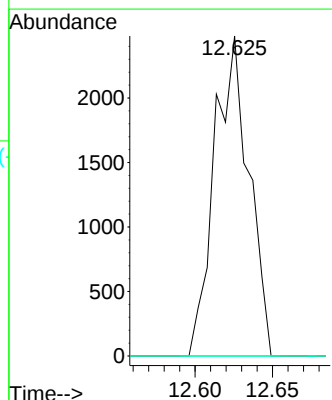
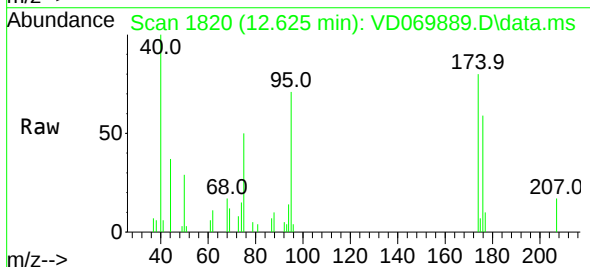
Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

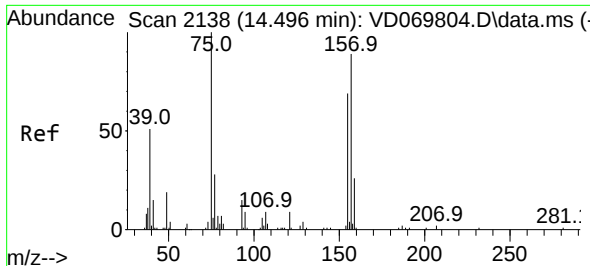
Tgt Ion: 91 Resp: 787
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.045 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 75 Resp: 3830
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#

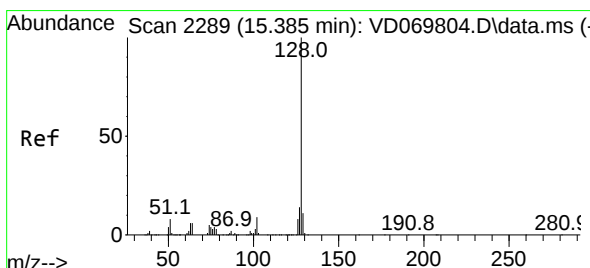
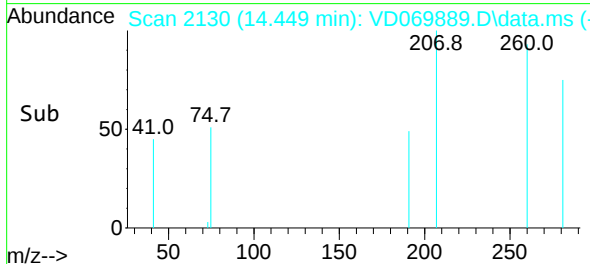
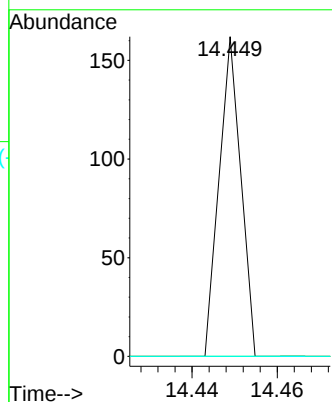
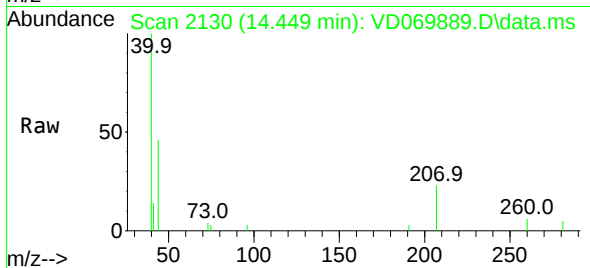




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.711 ug/l
RT: 14.449 min Scan# 2130
Delta R.T. -0.048 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Instrument :
MSVOA_D
ClientSampleId :
CL-02-072721

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.806 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069889.D
Acq: 28 Jul 2021 15:25

Tgt Ion: 128 Resp: 218
Ion Ratio Lower Upper
128 100
127 32.6 10.6 16.0#
129 0.0 8.6 12.8#

