

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069749.D
 Acq On : 19 Jul 2021 13:58
 Operator : VA/SY
 Sample : M3074-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:11:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

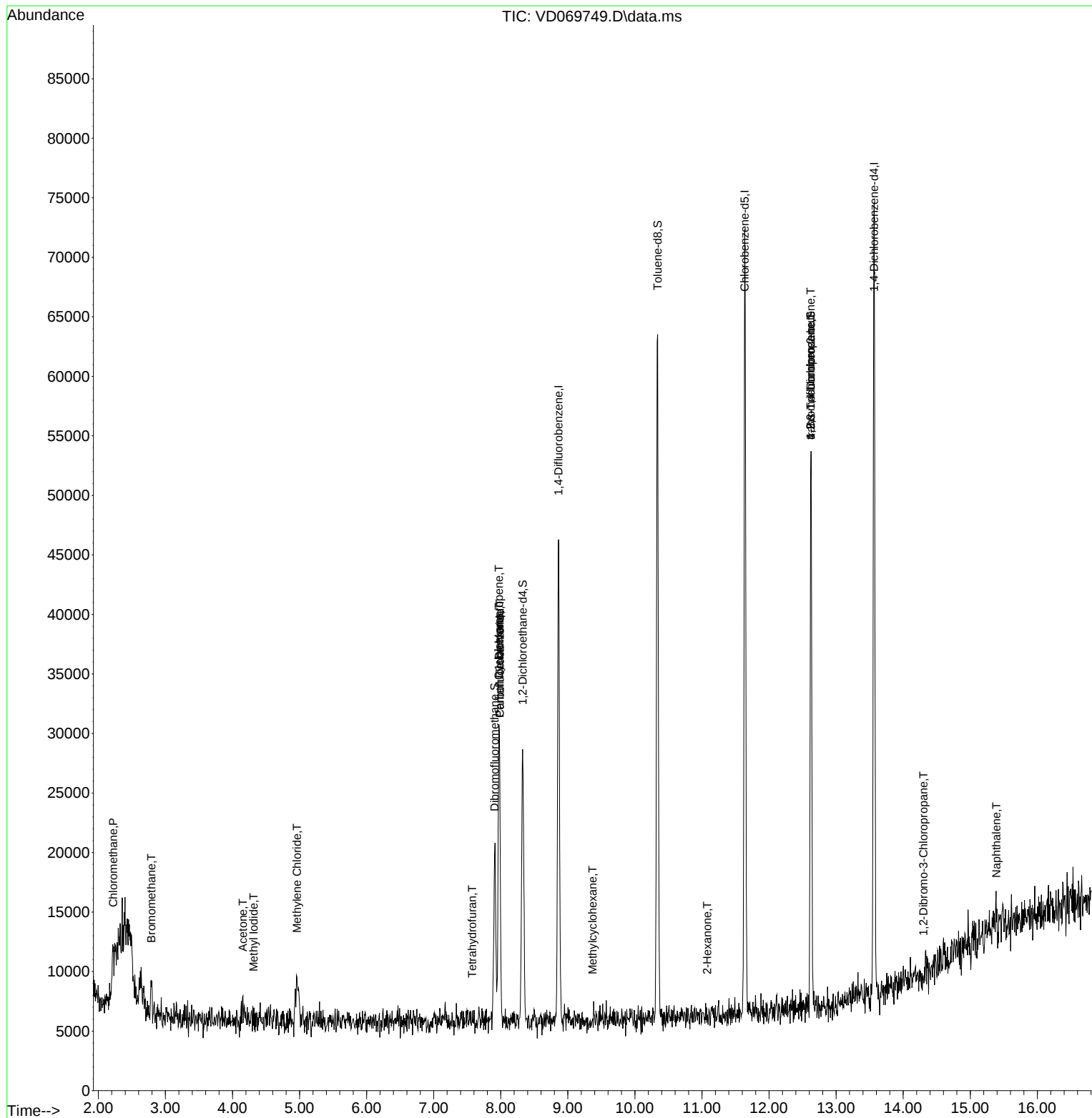
Internal Standards						
1) Pentafluorobenzene	7.985	168	18337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	33963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	38090	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	17445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18164	79.332	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.660%			
35) Dibromofluoromethane	7.908	113	10186	44.705	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.400%			
50) Toluene-d8	10.338	98	39826	44.991	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.980%			
62) 4-Bromofluorobenzene	12.620	95	16196	54.860	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.720%			
Target Compounds						Qvalue
3) Chloromethane	2.220	50	818	2.886	ug/l #	42
5) Bromomethane	2.791	94	2006	10.274	ug/l #	31
10) Methyl Iodide	4.314	142	575	4.865	ug/l #	91
16) Acetone	4.156	43	1133	34.482	ug/l #	39
18) Methyl Acetate	4.667	43	106	Below Cal	#	49
20) Methylene Chloride	4.961	84	2766	4.066	ug/l #	80
29) Tetrahydrofuran	7.573	42	64	1.909	ug/l #	32
31) Cyclohexane	7.973	56	283	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	1832	5.229	ug/l #	42
38) Carbon Tetrachloride	7.985	117	2195	6.841	ug/l #	13
39) Methylcyclohexane	9.367	83	62	2.101	ug/l #	16
59) 2-Hexanone	11.079	43	164	1.958	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	8256	48.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8256	130.921	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.302	75	69	1.872	ug/l #	8
95) Naphthalene	15.390	128	119	2.411	ug/l #	69

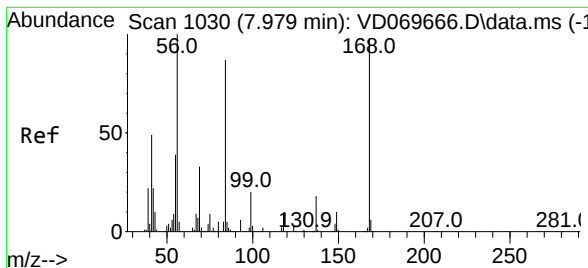
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

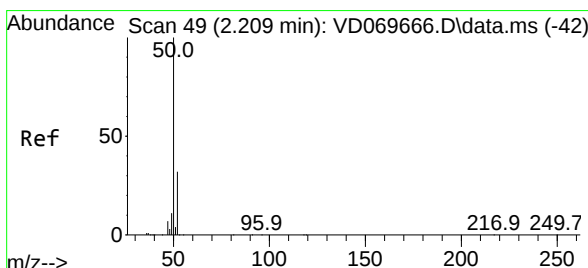
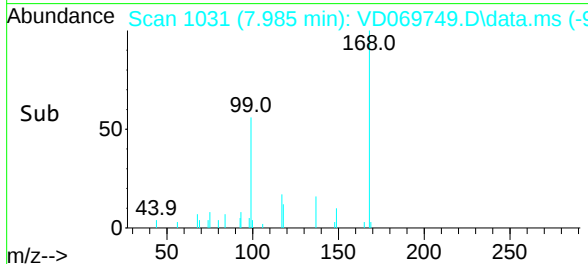
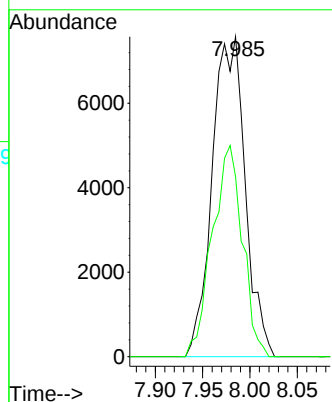
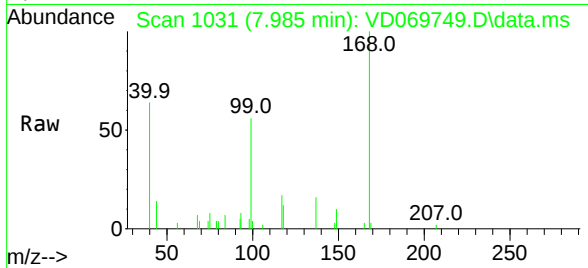




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

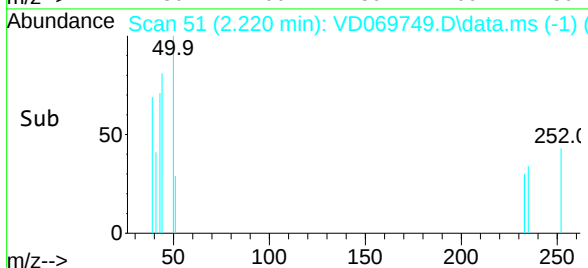
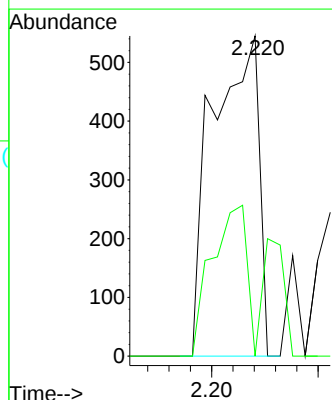
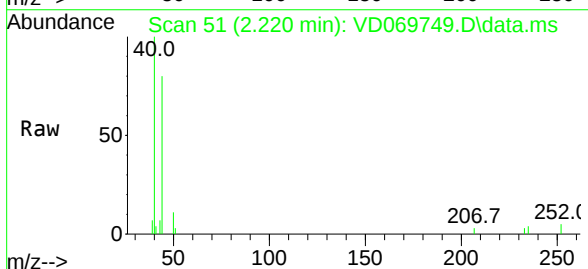
Instrument :
MSVOA_D
ClientSampleId :

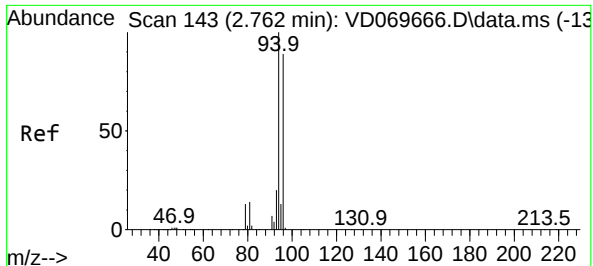
Tgt Ion:168 Resp: 18337
Ion Ratio Lower Upper
168 100
99 56.3 51.8 77.6



#3
Chloromethane
Concen: 2.886 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion: 50 Resp: 818
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

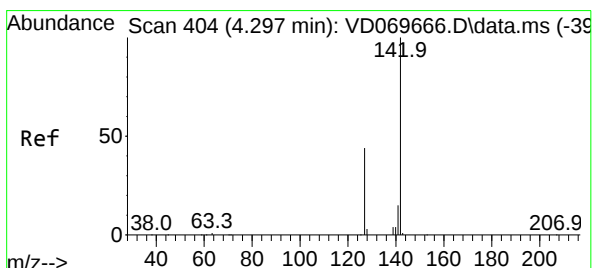
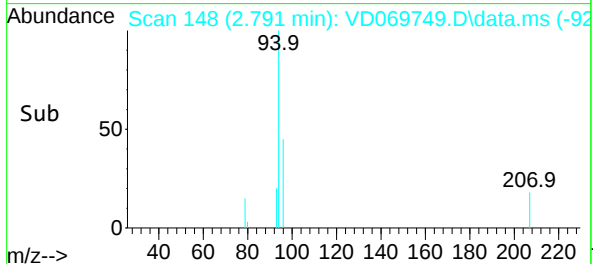
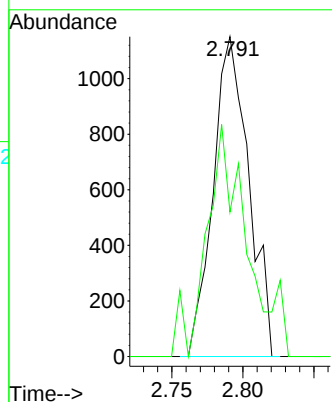
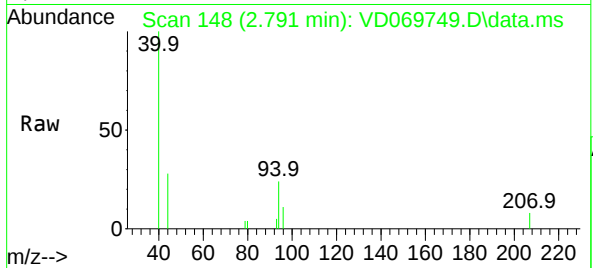




#5
Bromomethane
Concen: 10.274 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

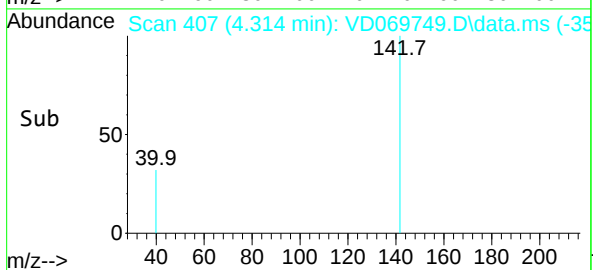
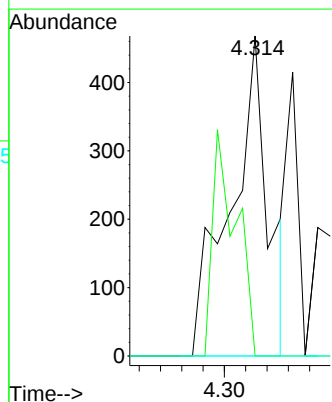
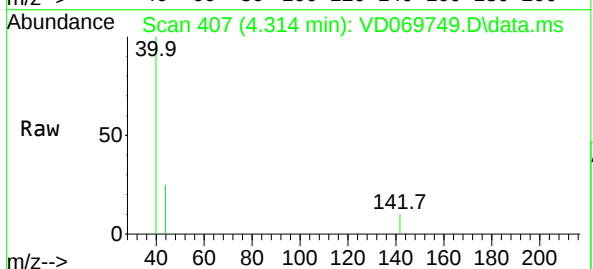
Instrument :
MSVOA_D
ClientSampleId :

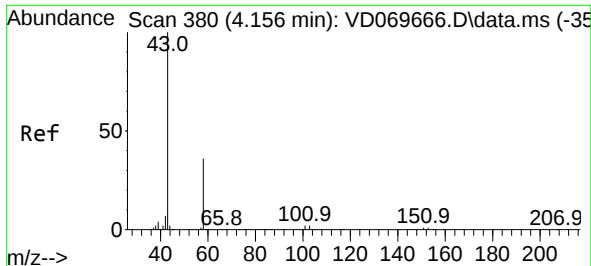
Tgt Ion: 94 Resp: 2006
Ion Ratio Lower Upper
94 100
96 24.5 71.2 106.8#



#10
Methyl Iodide
Concen: 4.865 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion:142 Resp: 575
Ion Ratio Lower Upper
142 100
127 44.3 36.1 54.1
141 0.0 11.6 17.4#

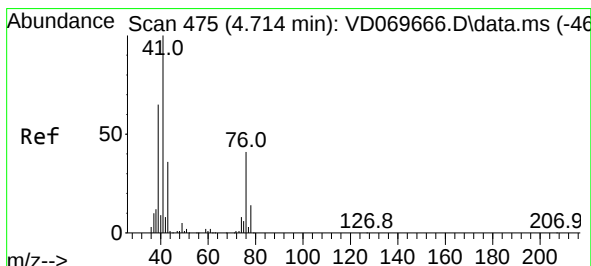
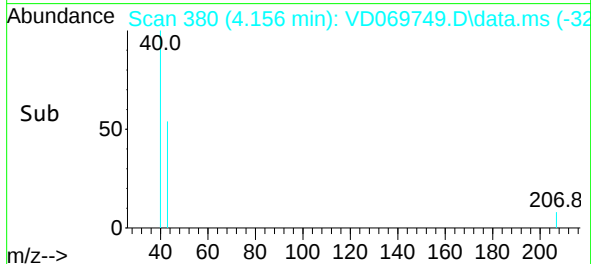
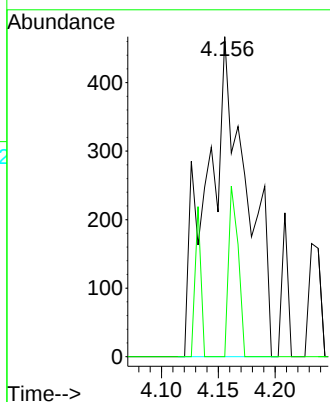
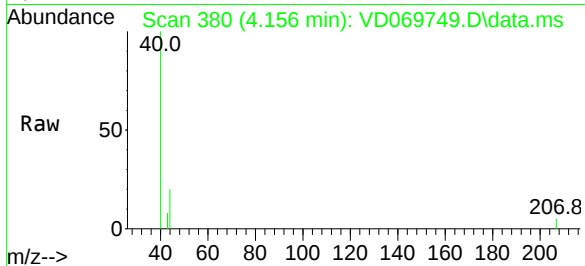




#16
Acetone
Concen: 34.482 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

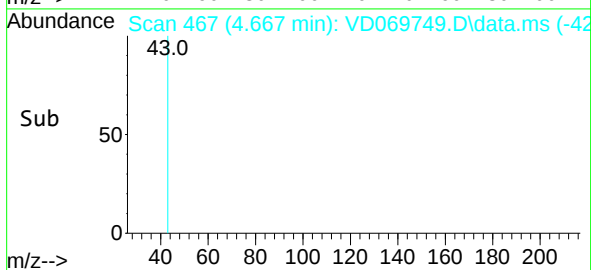
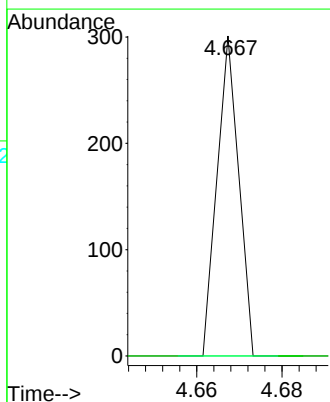
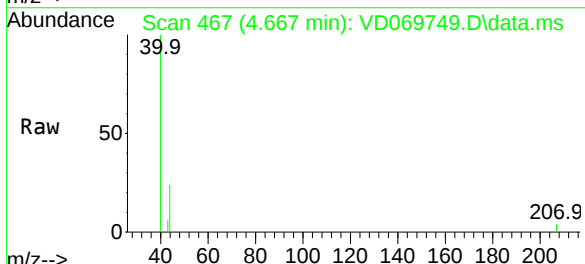
Instrument :
MSVOA_D
ClientSampled :

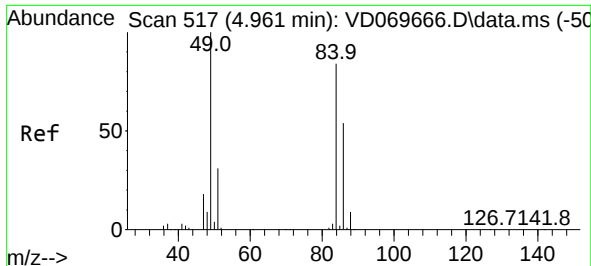
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.667 min Scan# 467
Delta R.T. -0.047 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

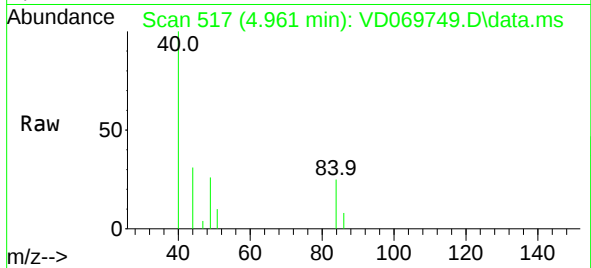
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



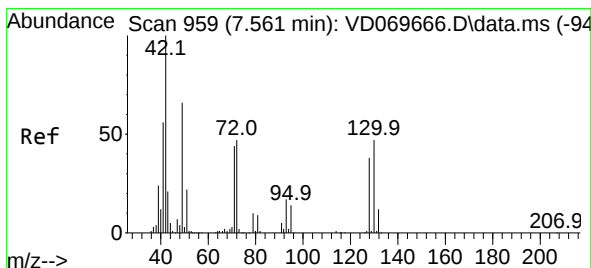
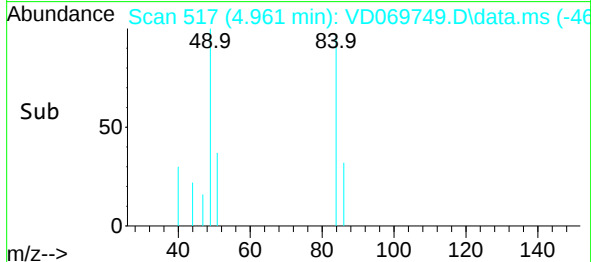
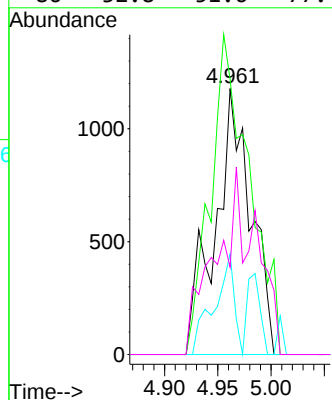


#20
Methylene Chloride
Concen: 4.066 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

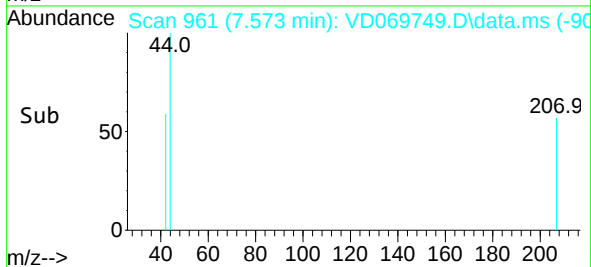
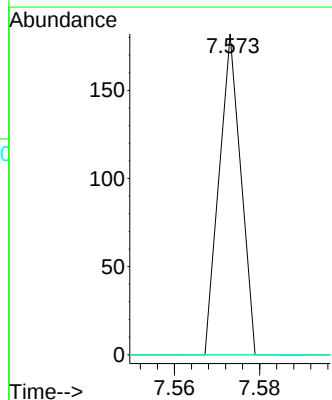
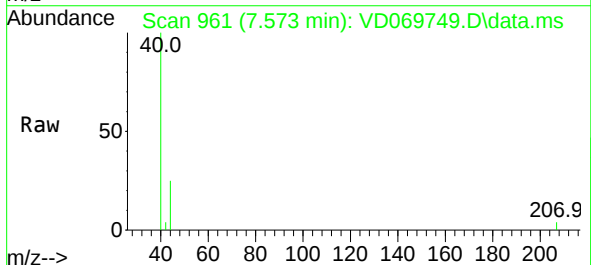


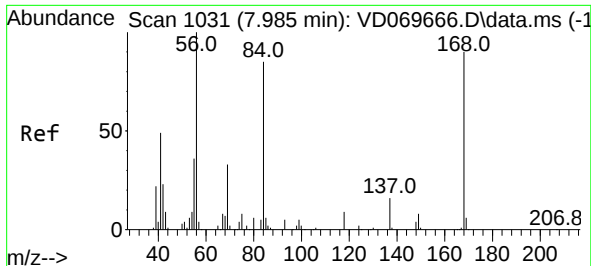
Tgt Ion:	84	Resp:	2766
Ion	Ratio	Lower	Upper
84	100		
49	103.3	95.5	143.3
51	37.7	29.7	44.5
86	32.8	51.6	77.4#



#29
Tetrahydrofuran
Concen: 1.909 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

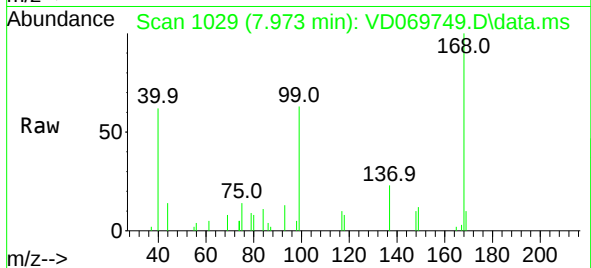
Tgt Ion:	42	Resp:	64
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.4	50.0#



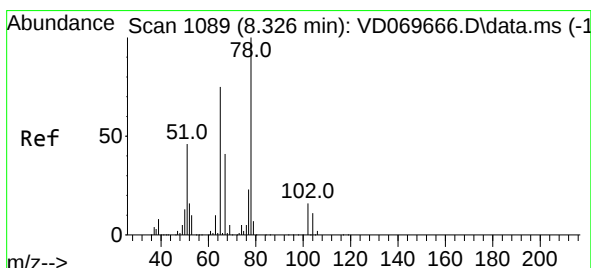
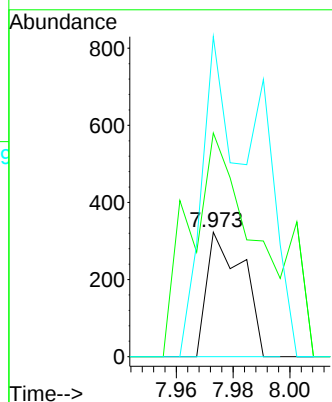
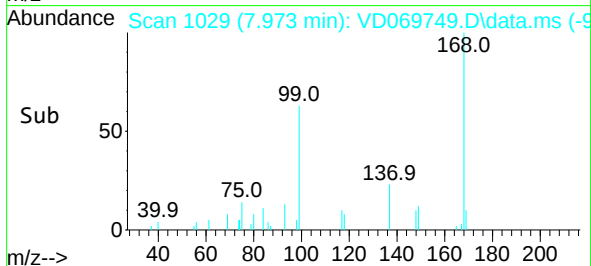


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

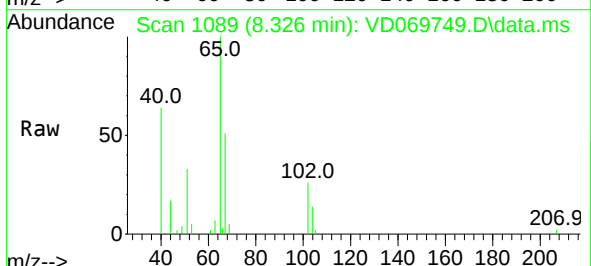
Instrument :
MSVOA_D
ClientSampleId :



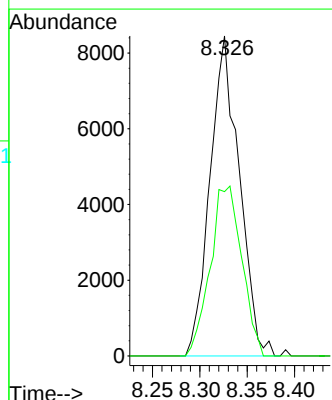
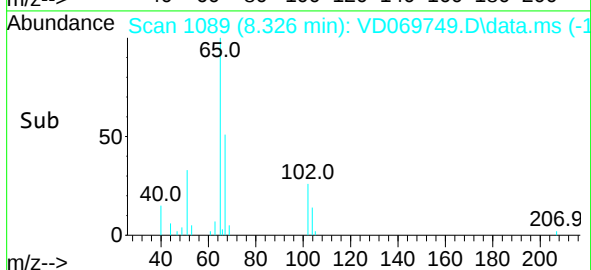
Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
69 116.7 26.6 39.8#
84 257.0 68.2 102.2#

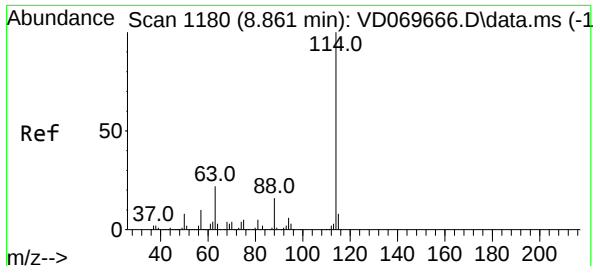


#33
1,2-Dichloroethane-d4
Concen: 79.332 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58



Tgt Ion: 65 Resp: 18164
Ion Ratio Lower Upper
65 100
67 57.4 0.0 107.2



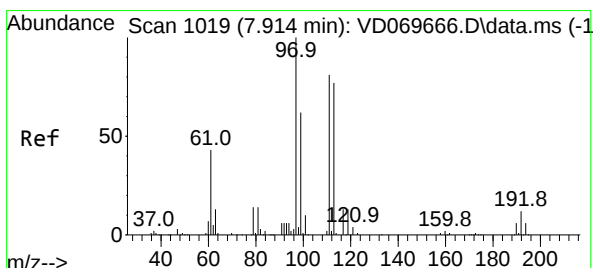
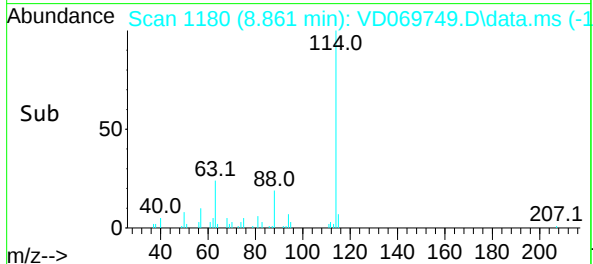
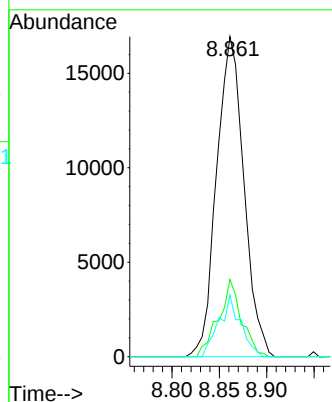
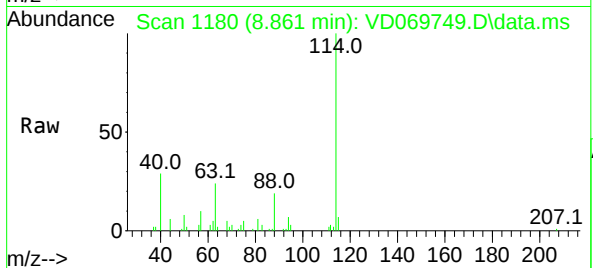


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

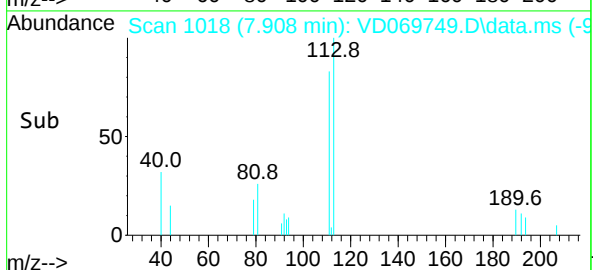
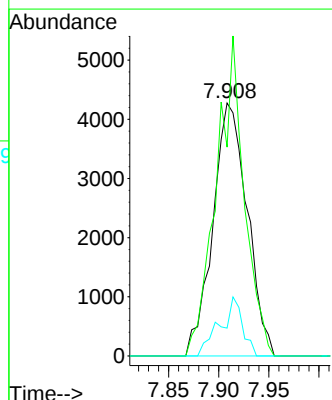
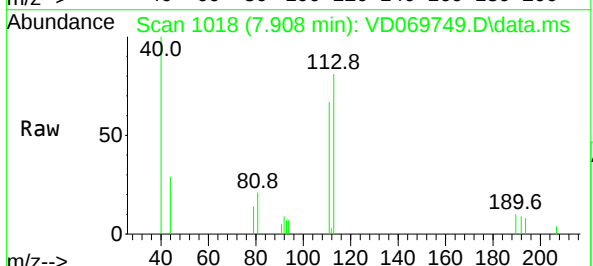
Tgt Ion:	114	Resp:	33963
Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	43.4
88	19.2	0.0	32.0

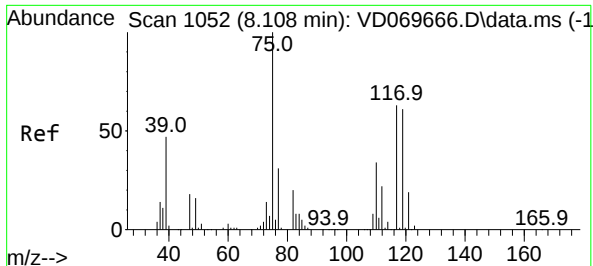


#35

Dibromofluoromethane
Concen: 44.705 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

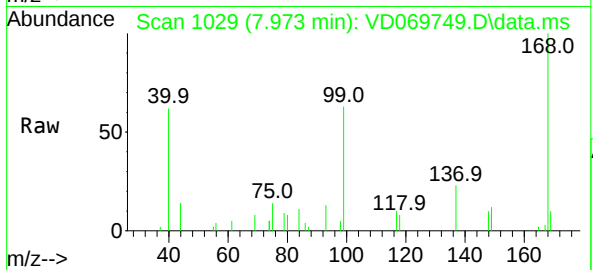
Tgt Ion:	113	Resp:	10186
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	15.3	12.7	19.1



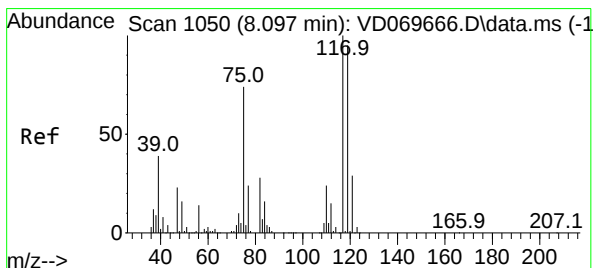
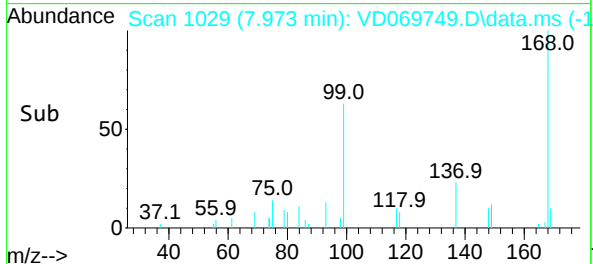
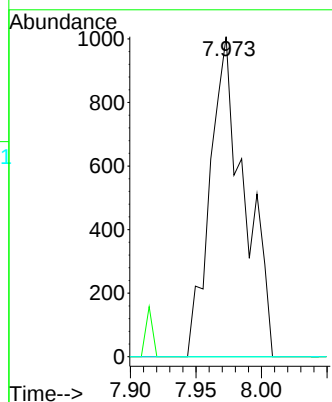


#36
1,1-Dichloropropene
Concen: 5.229 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

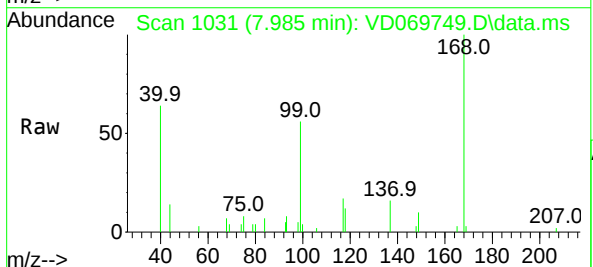
Instrument :
MSVOA_D
ClientSampleId :



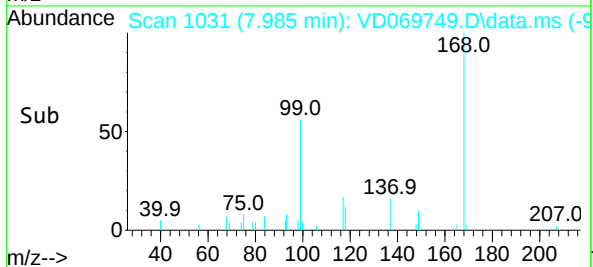
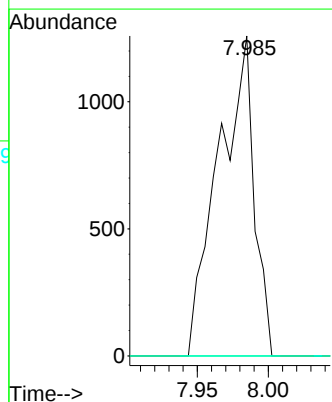
Tgt Ion: 75 Resp: 1832
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.0#
77 0.0 25.3 37.9#

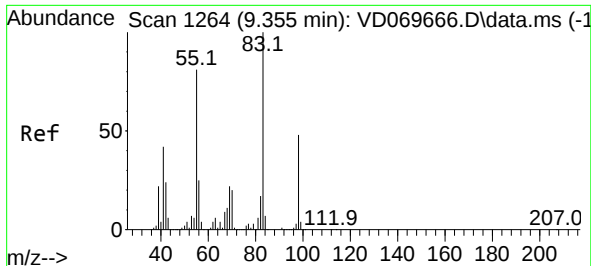


#38
Carbon Tetrachloride
Concen: 6.841 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58



Tgt Ion: 117 Resp: 2195
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.101 ug/l

RT: 9.367 min Scan# 1266

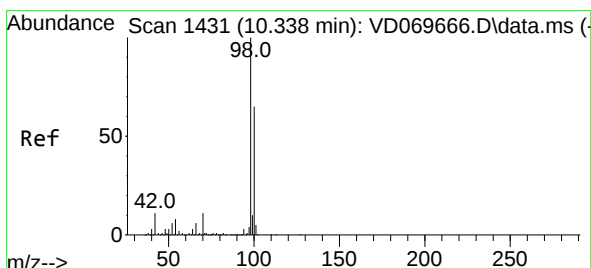
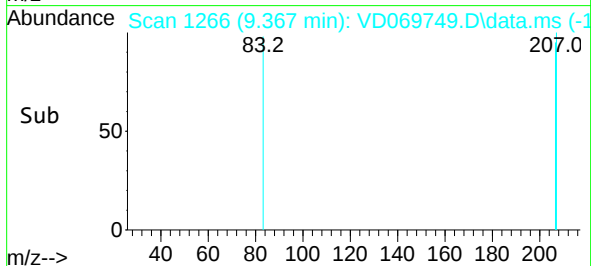
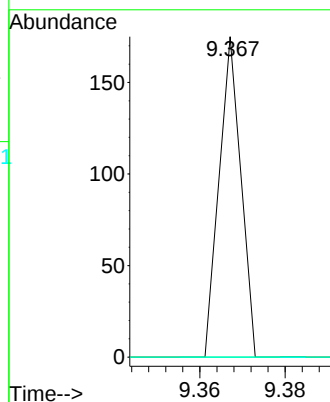
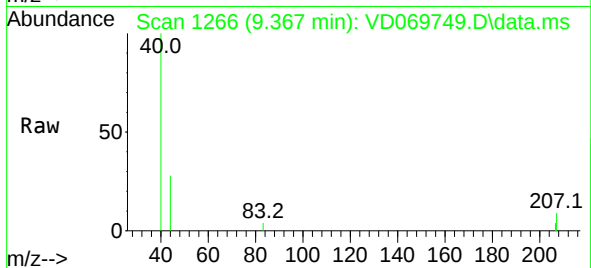
Delta R.T. 0.012 min

Lab File: VD069749.D

Acq: 19 Jul 2021 13:58

Tgt Ion:	83	Resp:	62
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	0.0	38.4	57.6#

Instrument :
MSVOA_D
ClientSampleId :



#50

Toluene-d8

Concen: 44.991 ug/l

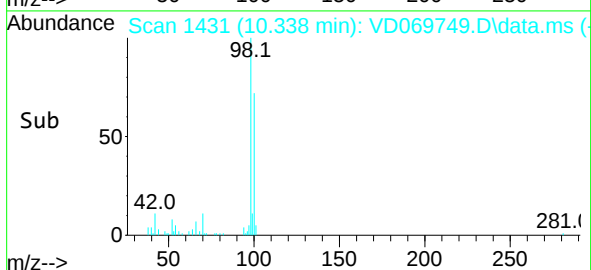
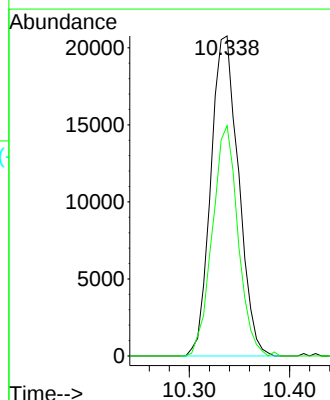
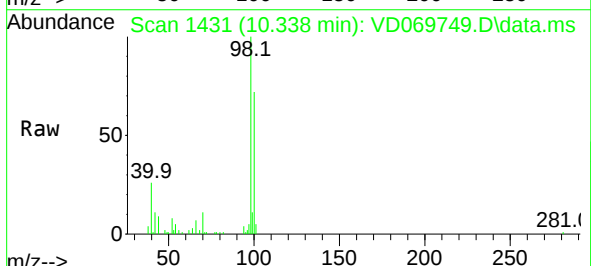
RT: 10.338 min Scan# 1431

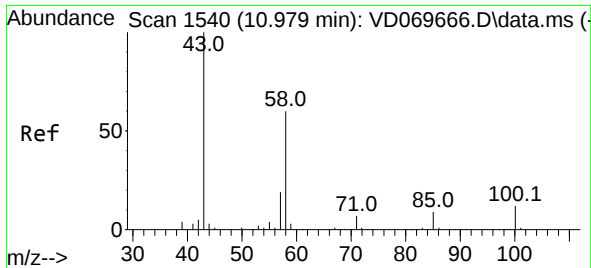
Delta R.T. -0.000 min

Lab File: VD069749.D

Acq: 19 Jul 2021 13:58

Tgt Ion:	98	Resp:	39826
Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.2	78.2

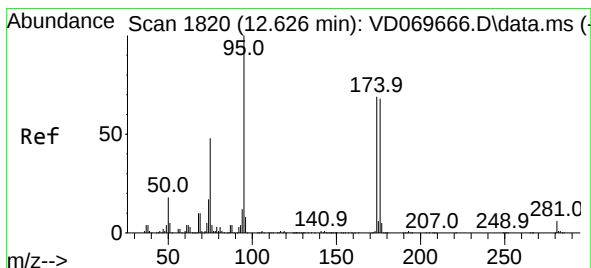
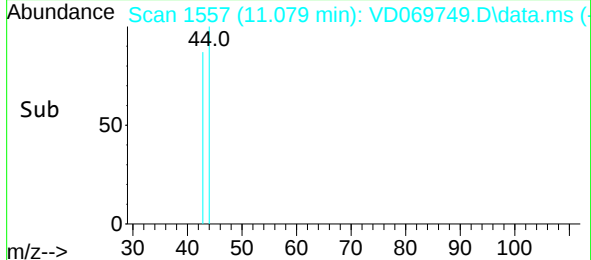
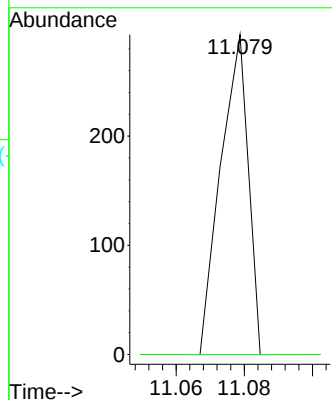
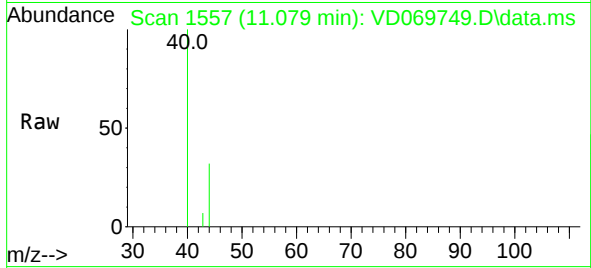




#59
2-Hexanone
Concen: 1.958 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

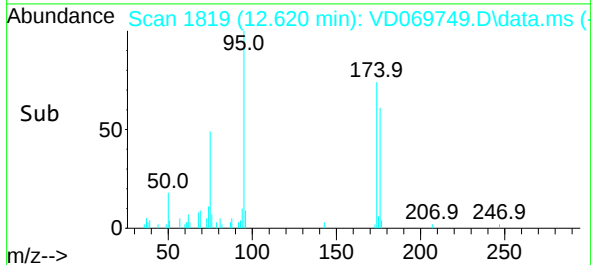
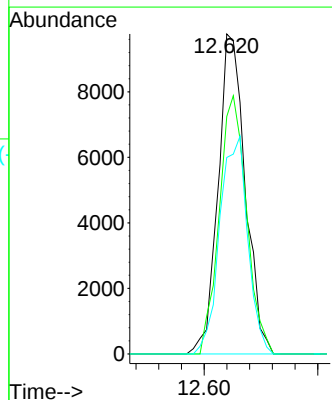
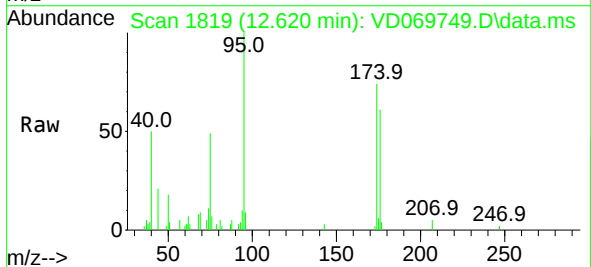
Instrument :
MSVOA_D
ClientSampleId :

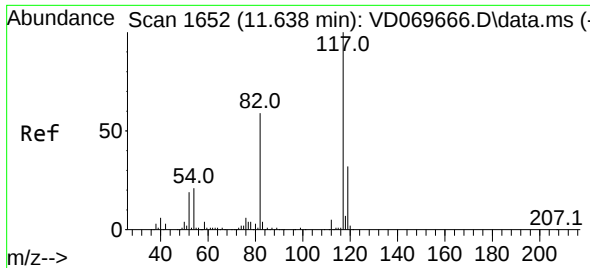
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 54.860 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion: 95 Resp: 16196
Ion Ratio Lower Upper
95 100
174 81.3 0.0 140.0
176 69.7 0.0 136.2

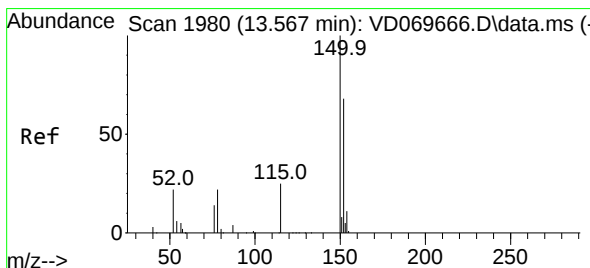
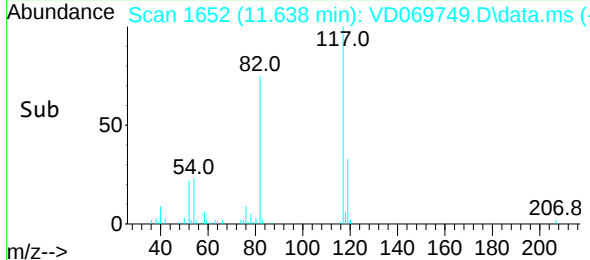
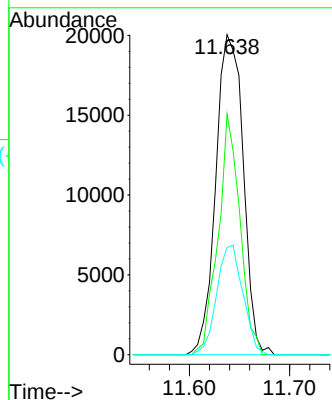
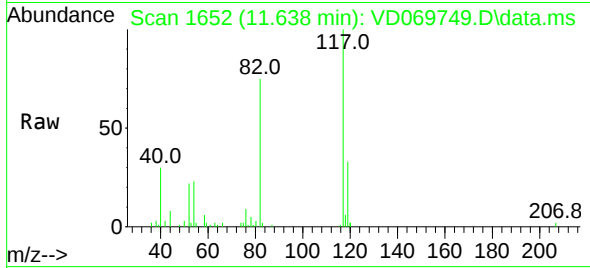




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

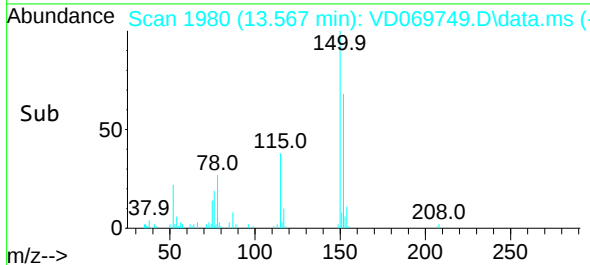
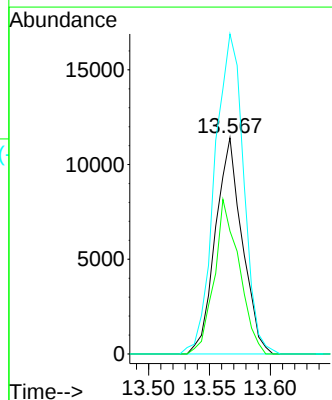
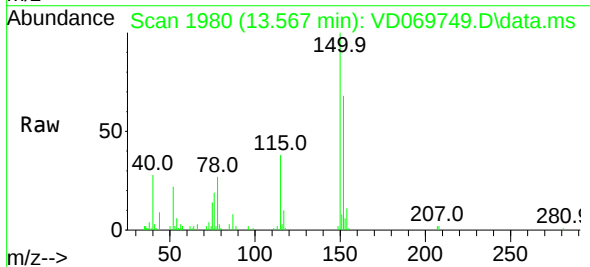
Instrument :
MSVOA_D
ClientSampleId :

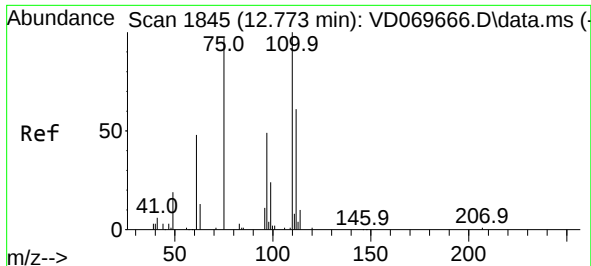
Tgt Ion:117 Resp: 38090
Ion Ratio Lower Upper
117 100
82 75.2 47.4 71.2#
119 33.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion:152 Resp: 17445
Ion Ratio Lower Upper
152 100
115 66.6 31.7 95.1
150 159.8 0.0 350.4

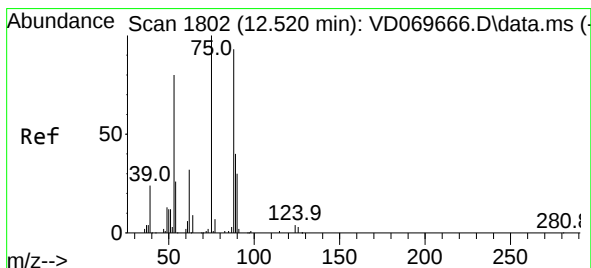
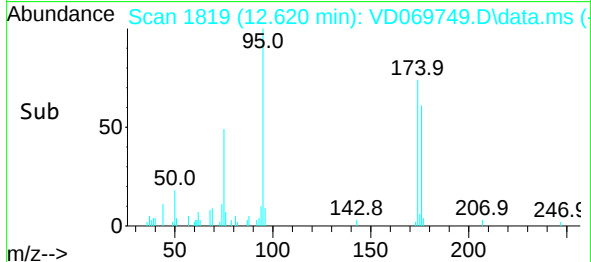
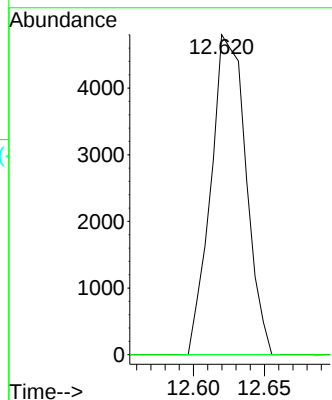
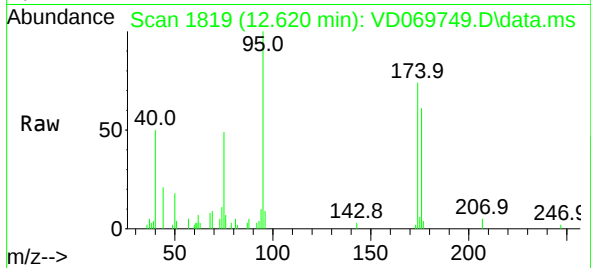




#76
1,2,3-Trichloropropane
Concen: 48.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

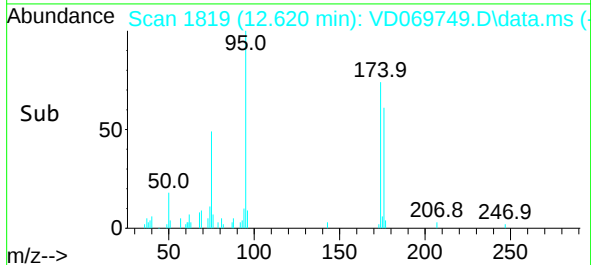
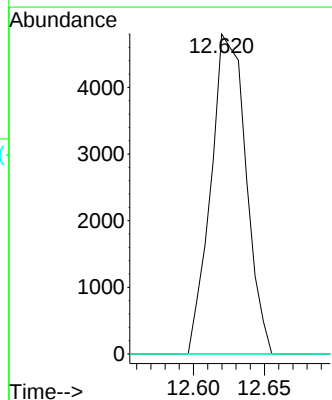
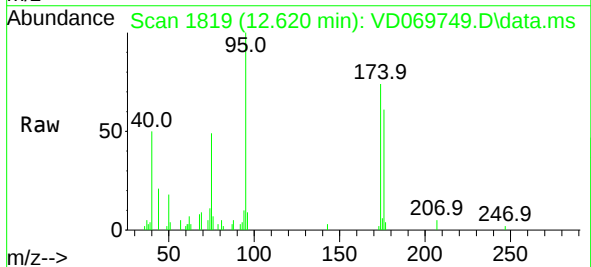
Instrument :
MSVOA_D
ClientSampleId :

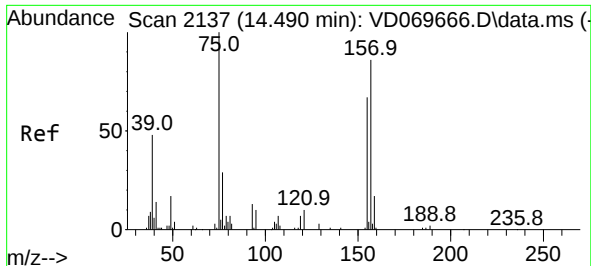
Tgt Ion: 75 Resp: 8256
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 130.921 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion: 75 Resp: 8256
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#

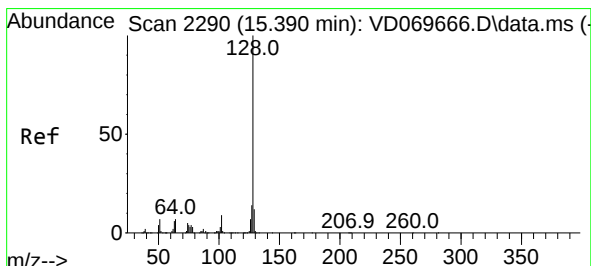
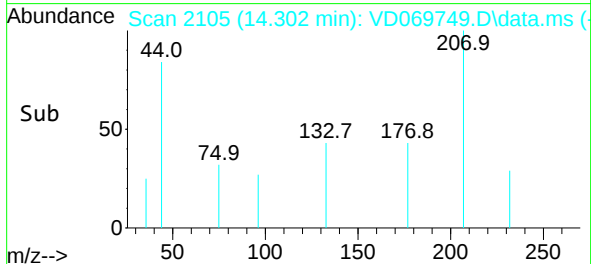
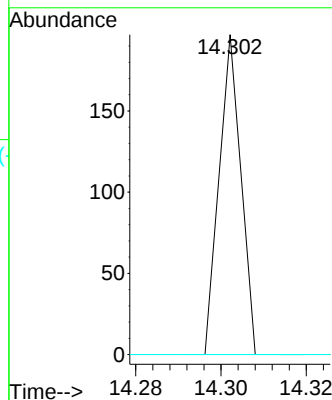
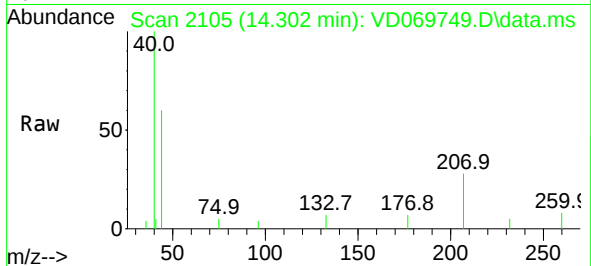




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.872 ug/l
RT: 14.302 min Scan# 2105
Delta R.T. -0.188 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#



#95
Naphthalene
Concen: 2.411 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069749.D
Acq: 19 Jul 2021 13:58

Tgt Ion: 128 Resp: 119
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

