

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069959.D
 Acq On : 03 Aug 2021 11:54
 Operator : VA/SY
 Sample : M3256-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:31:21 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)

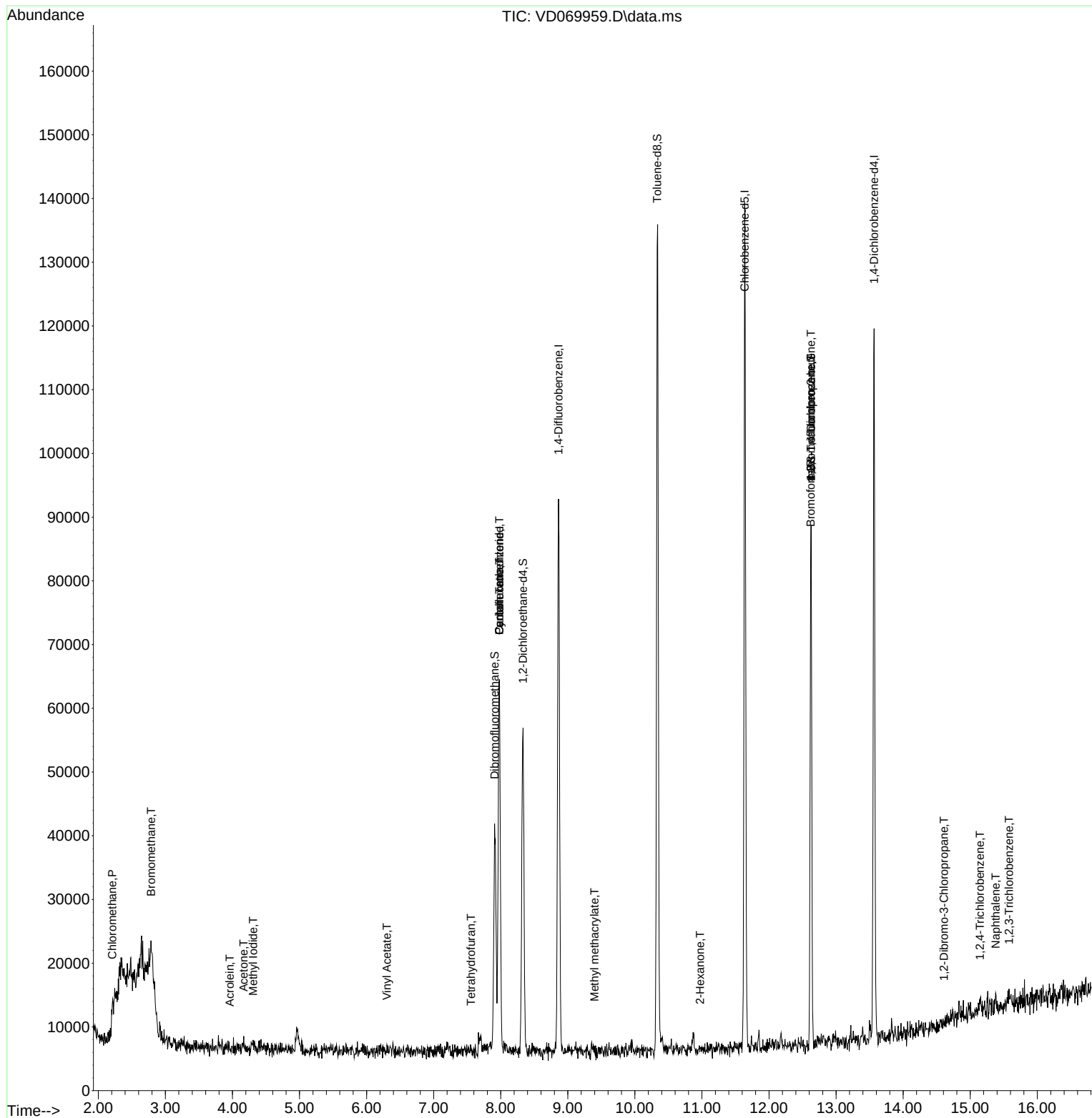
Internal Standards						
1) Pentafluorobenzene	7.979	168	41788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	76720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	77009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	40871	85.042	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.080%#			
35) Dibromofluoromethane	7.909	113	25367	52.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.900%			
50) Toluene-d8	10.332	98	92802	49.763	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.626	95	28095	45.078	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.160%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1658	2.599	ug/l #	86
5) Bromomethane	2.785	94	4541	9.938	ug/l #	79
10) Methyl Iodide	4.309	142	2259	7.510	ug/l #	90
13) Acrolein	3.962	56	57	1.637	ug/l #	14
16) Acetone	4.168	43	1652	19.028	ug/l #	70
20) Methylene Chloride	4.967	84	2529	Below Cal	#	83
23) Vinyl Acetate	6.303	43	55	20.409	ug/l #	71
29) Tetrahydrofuran	7.556	42	149	1.956	ug/l #	32
31) Cyclohexane	7.979	56	1649	1.756	ug/l #	15
38) Carbon Tetrachloride	7.979	117	4925	6.512	ug/l #	19
48) Methyl methacrylate	9.397	41	106	3.095	ug/l #	24
59) 2-Hexanone	10.973	43	278	1.494	ug/l #	21
71) Bromoform	12.620	173	282	1.012	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	14089	45.995	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	14089	139.538	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.608	75	89	1.495	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.143	180	605	1.327	ug/l #	83
95) Naphthalene	15.379	128	1686	6.610	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.579	180	631	1.600	ug/l	79

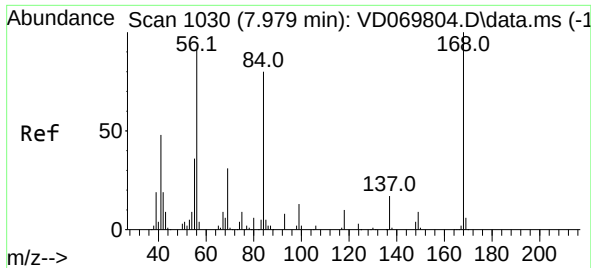
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Aug 04 01:31:21 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

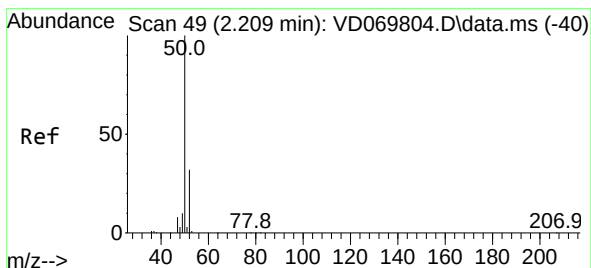
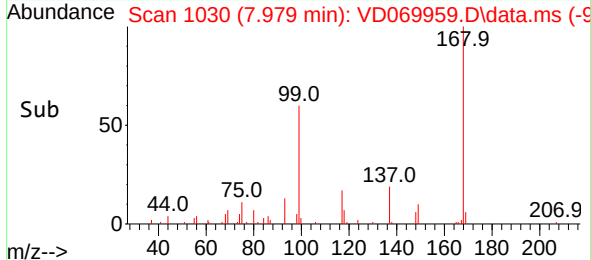
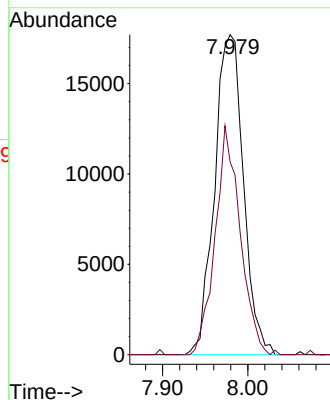
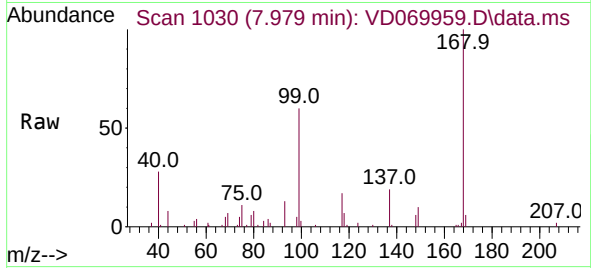




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

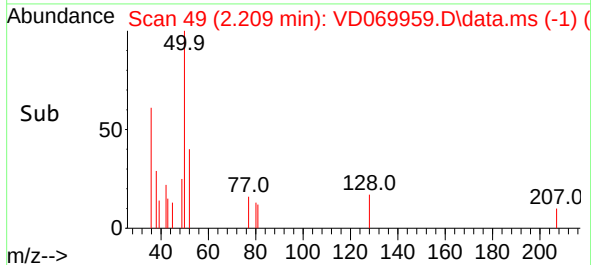
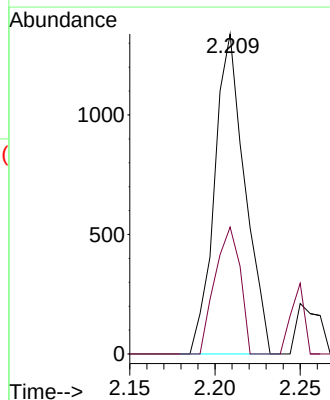
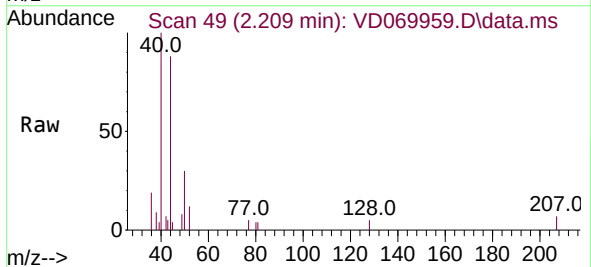
Instrument :
MSVOA_D
ClientSampled :

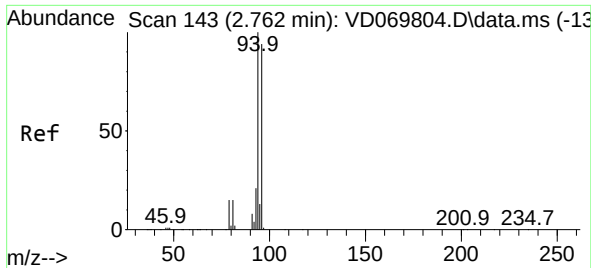
Tgt Ion:168 Resp: 41788
Ion Ratio Lower Upper
168 100
99 60.2 51.1 76.7



#3
Chloromethane
Concen: 2.599 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion: 50 Resp: 1658
Ion Ratio Lower Upper
50 100
52 39.7 25.7 38.5#

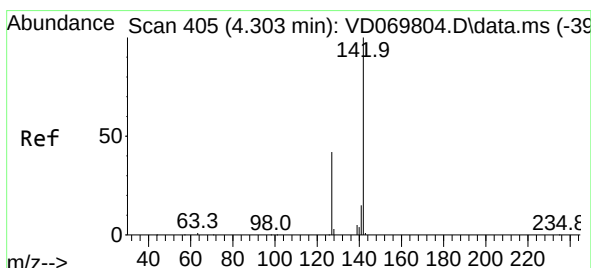
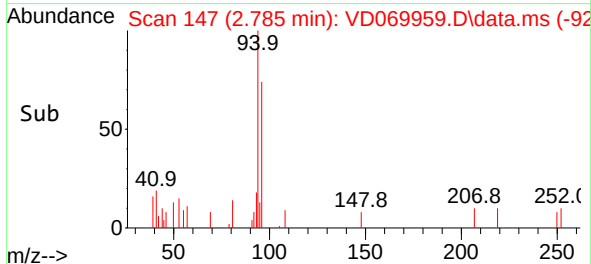
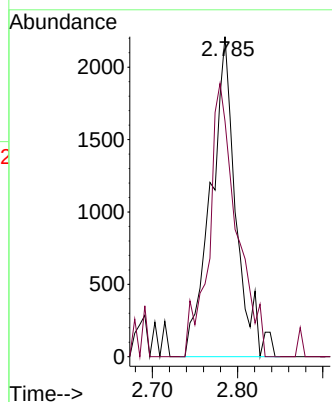
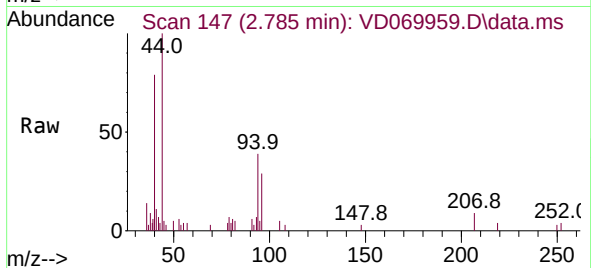




#5
Bromomethane
Concen: 9.938 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

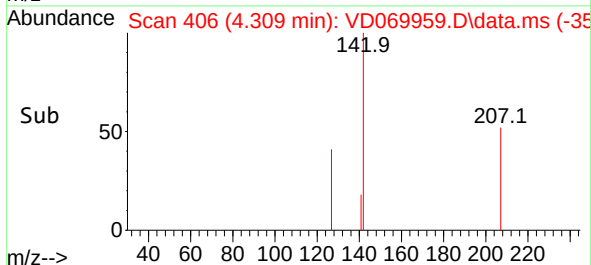
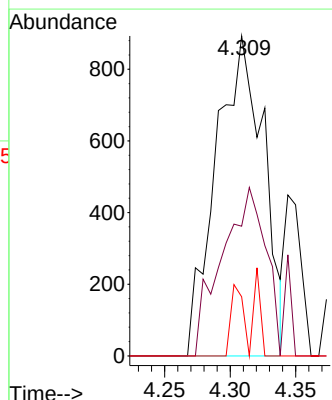
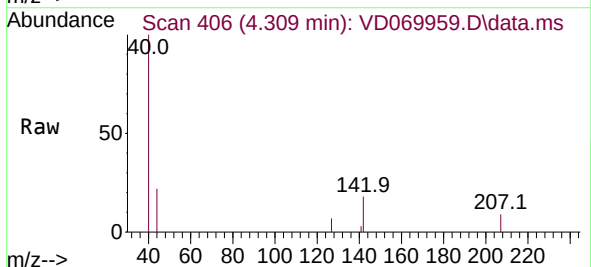
Instrument :
MSVOA_D
ClientSampled :

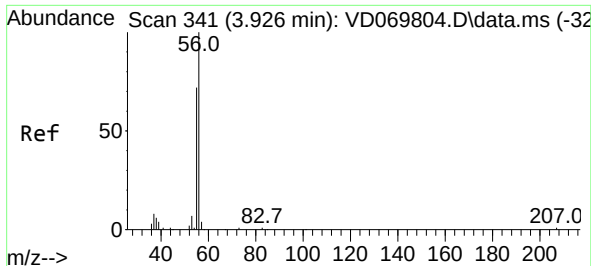
Tgt Ion: 94 Resp: 4541
Ion Ratio Lower Upper
94 100
96 73.6 74.8 112.2#



#10
Methyl Iodide
Concen: 7.510 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion:142 Resp: 2259
Ion Ratio Lower Upper
142 100
127 48.4 35.7 53.5
141 5.7 12.0 18.0#

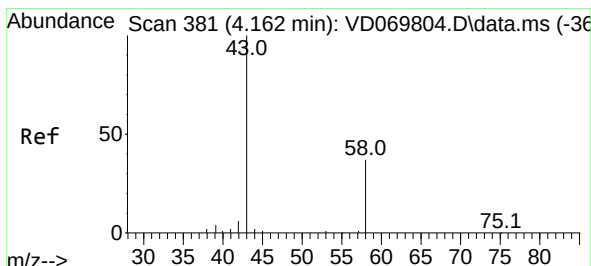
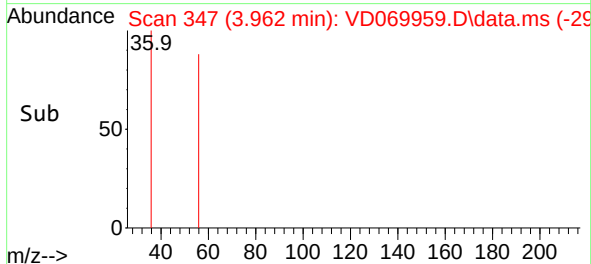
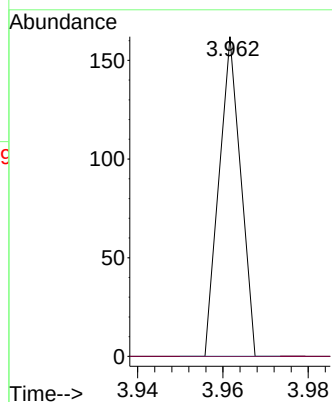
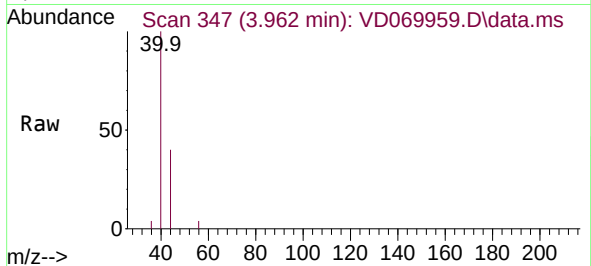




#13
Acrolein
Concen: 1.637 ug/l
RT: 3.962 min Scan# 347
Delta R.T. 0.035 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

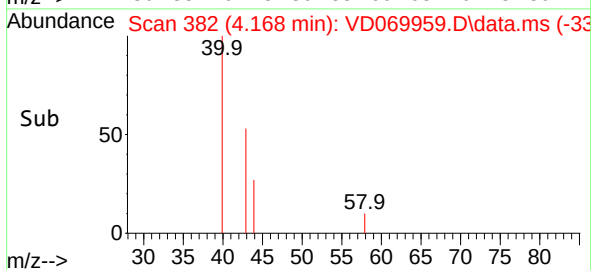
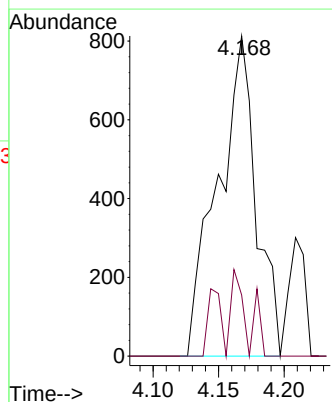
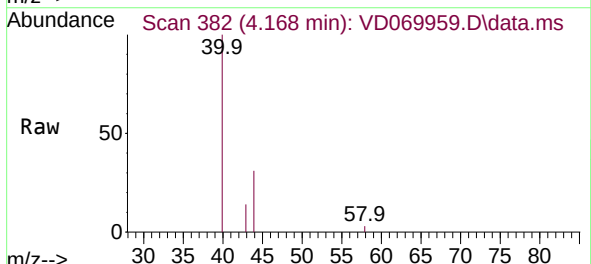
Instrument :
MSVOA_D
ClientSampled :

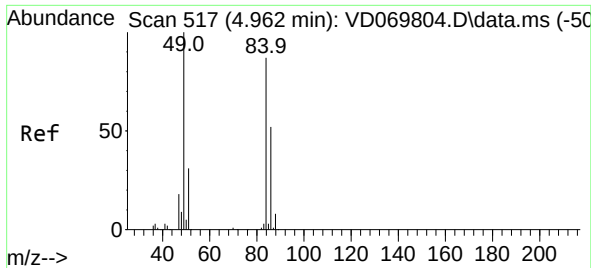
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 19.028 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

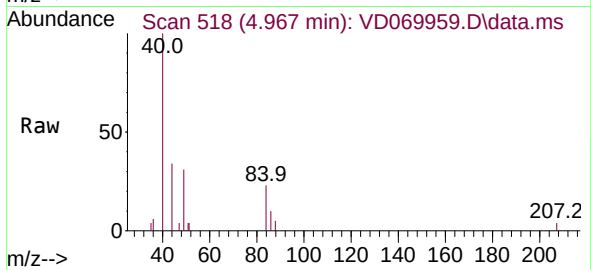
Tgt Ion: 43 Resp: 1652
Ion Ratio Lower Upper
43 100
58 19.1 29.4 44.0#



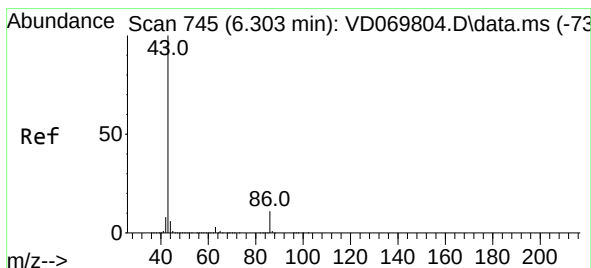
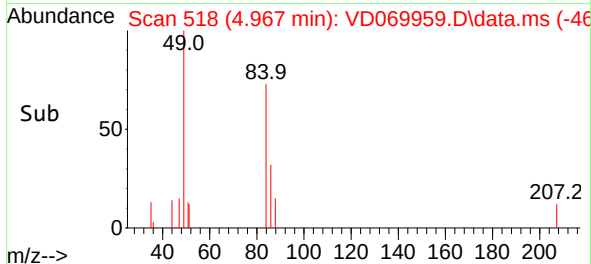
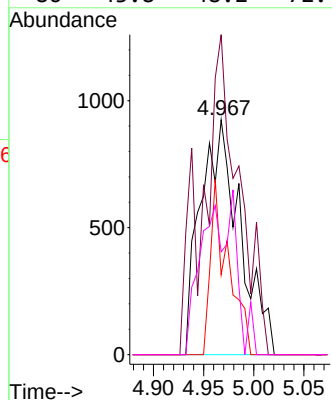


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Instrument :
MSVOA_D
ClientSampleId :

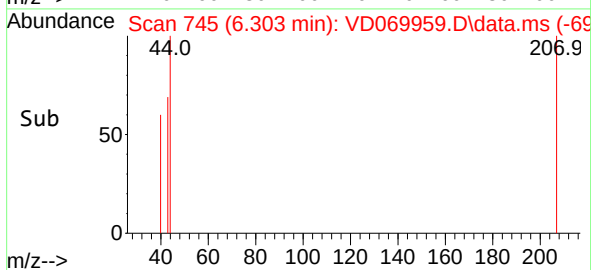
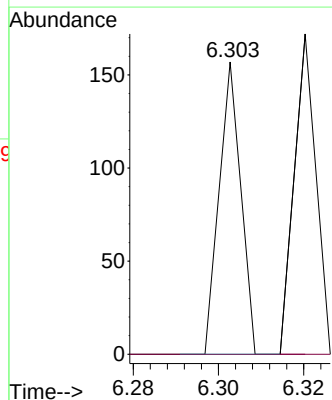
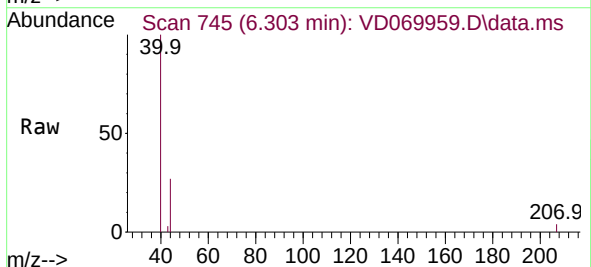


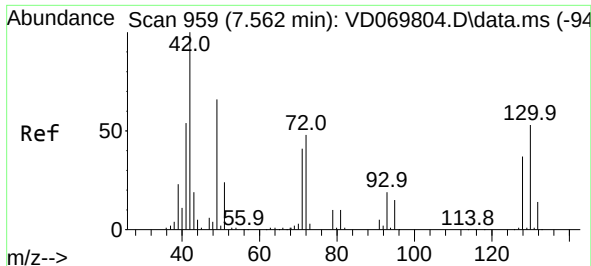
Tgt Ion:	84	Resp:	2529
Ion	Ratio	Lower	Upper
84	100		
49	136.2	92.4	138.6
51	34.1	28.5	42.7
86	43.8	48.2	72.4



#23
Vinyl Acetate
Concen: 20.409 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0





#29

Tetrahydrofuran

Concen: 1.956 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD069959.D

Acq: 03 Aug 2021 11:54

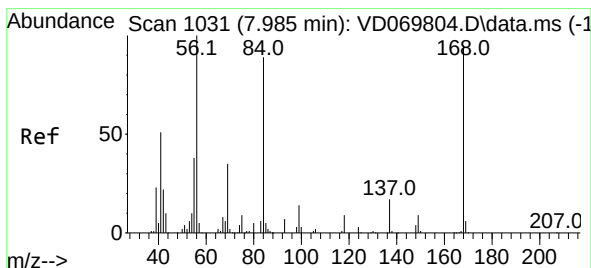
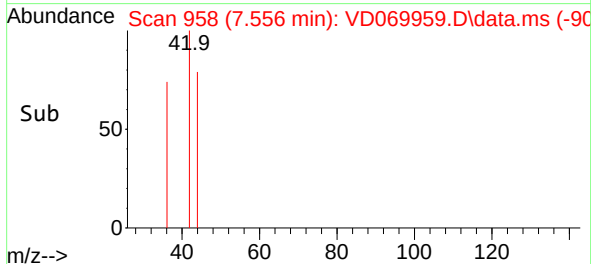
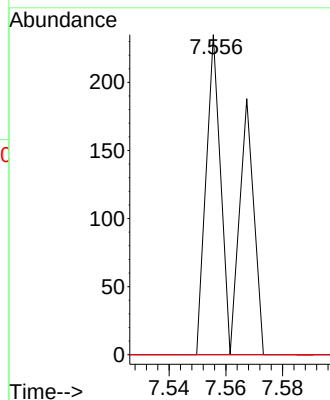
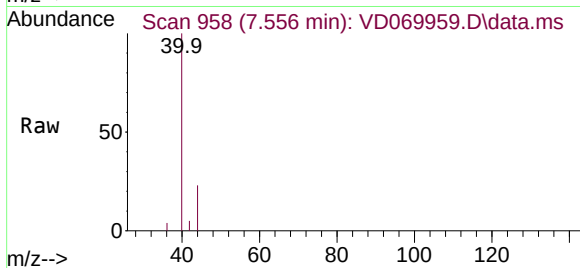
Tgt Ion: 42 Resp: 149

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 0.0 33.5 50.3#



#31

Cyclohexane

Concen: 1.756 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069959.D

Acq: 03 Aug 2021 11:54

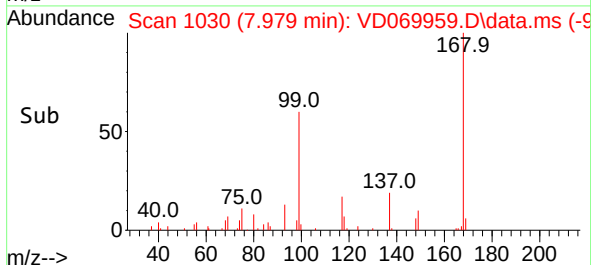
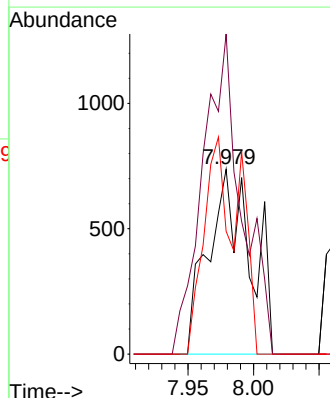
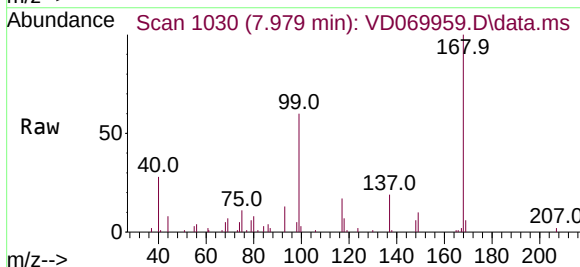
Tgt Ion: 56 Resp: 1649

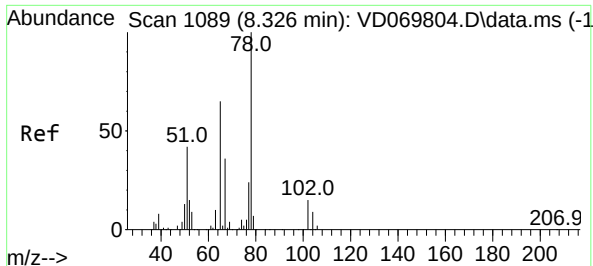
Ion Ratio Lower Upper

56 100

69 173.3 27.9 41.9#

84 66.5 71.4 107.2#

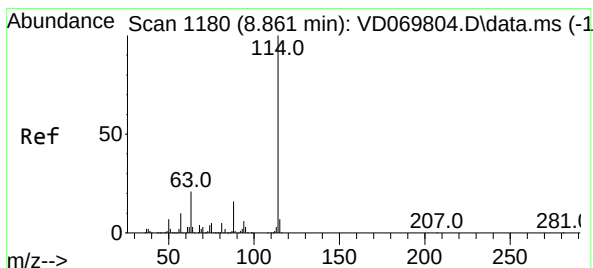
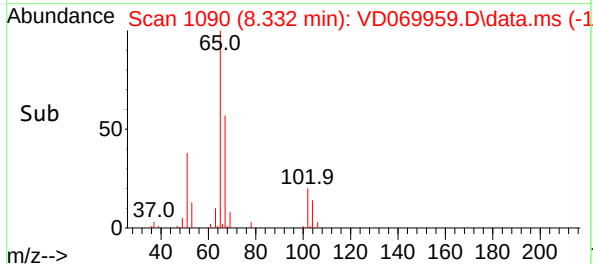
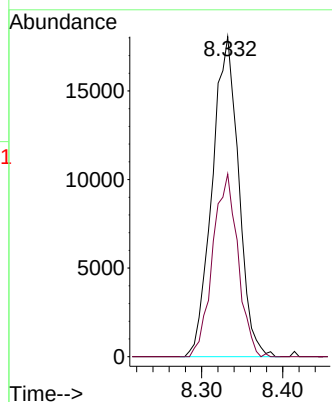
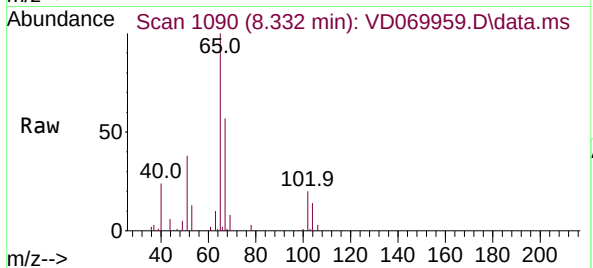




#33
1,2-Dichloroethane-d4
Concen: 85.042 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

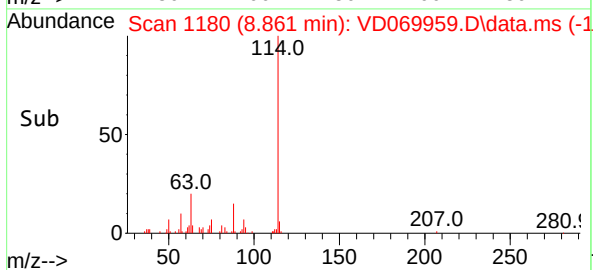
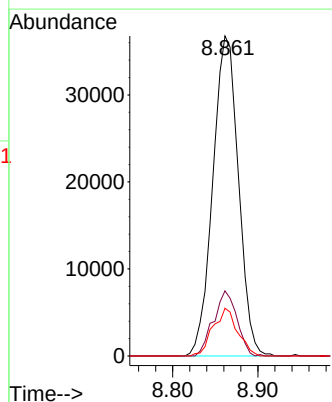
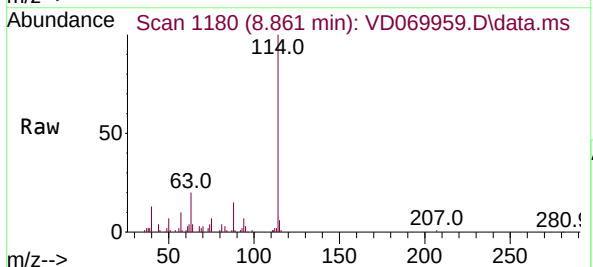
Instrument :
MSVOA_D
ClientSampleId :

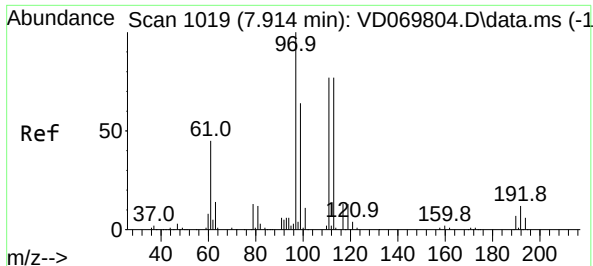
Tgt Ion: 65 Resp: 40871
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion: 114 Resp: 76720
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 14.9 0.0 31.4



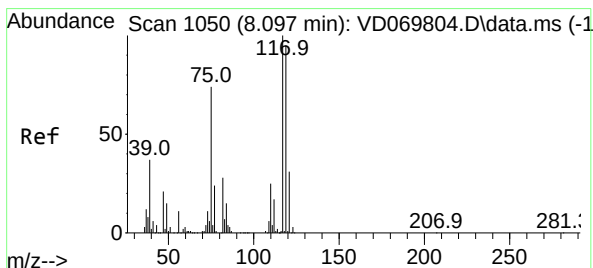
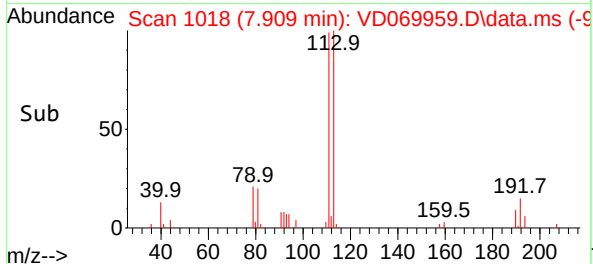
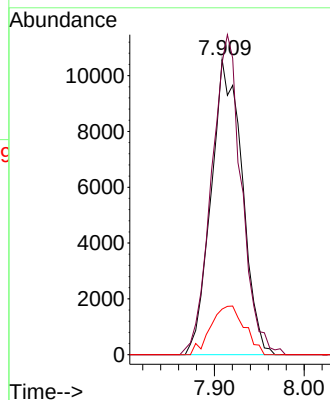
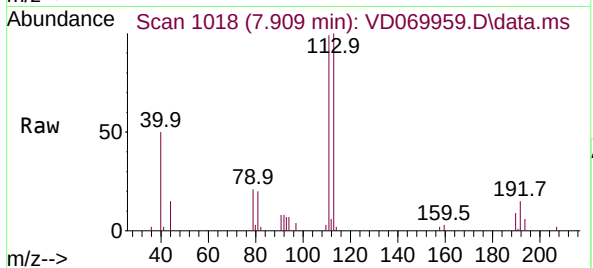


#35

Dibromofluoromethane
Concen: 52.450 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Instrument :
MSVOA_D
ClientSampleId :

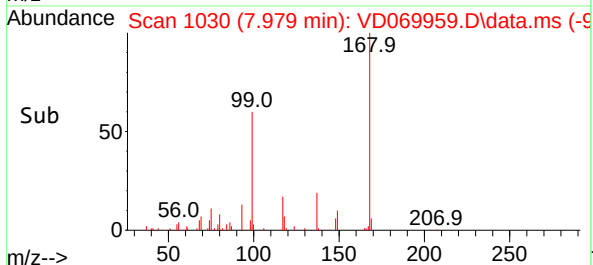
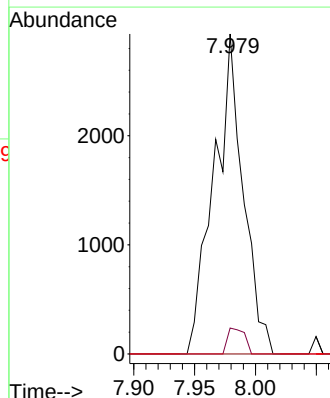
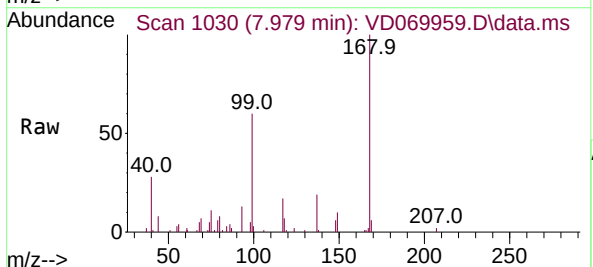
Tgt Ion:	113	Resp:	25367
Ion	Ratio	Lower	Upper
113	100		
111	104.6	80.5	120.7
192	18.0	12.6	19.0

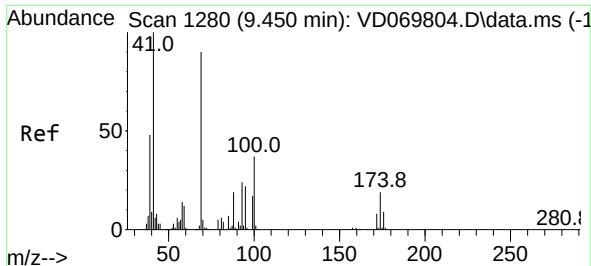


#38

Carbon Tetrachloride
Concen: 6.512 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion:	117	Resp:	4925
Ion	Ratio	Lower	Upper
117	100		
119	8.1	76.2	114.2#
121	0.0	24.5	36.7#

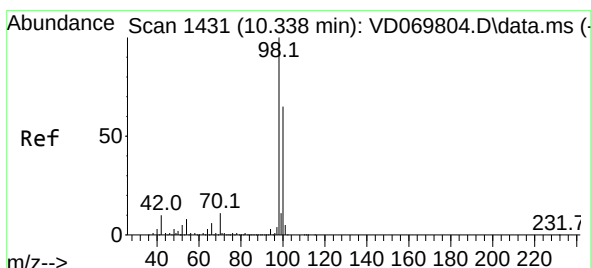
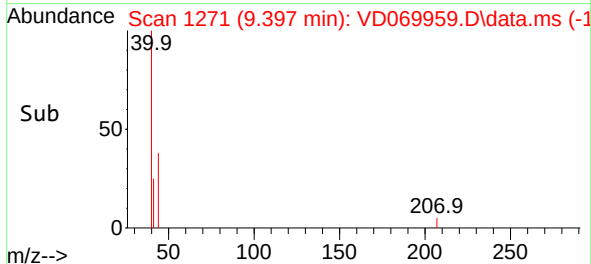
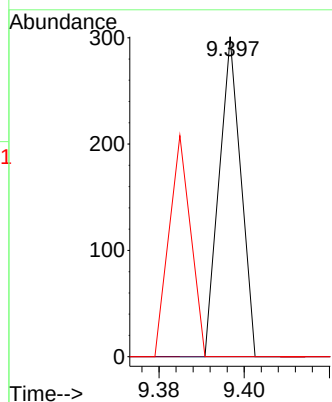
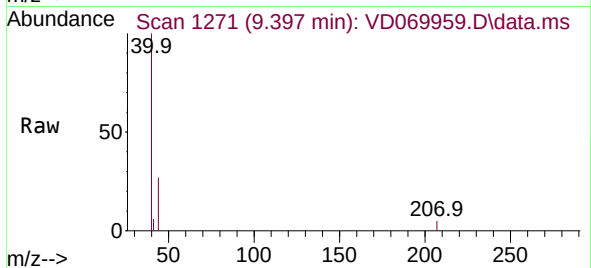




#48
Methyl methacrylate
Concen: 3.095 ug/l
RT: 9.397 min Scan# 1271
Delta R.T. -0.053 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

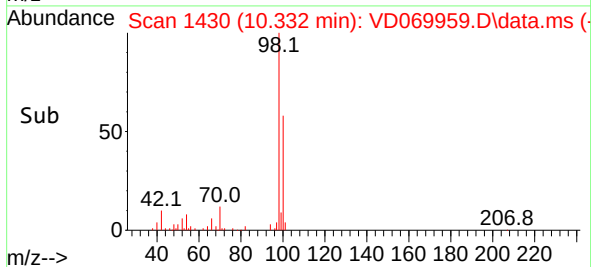
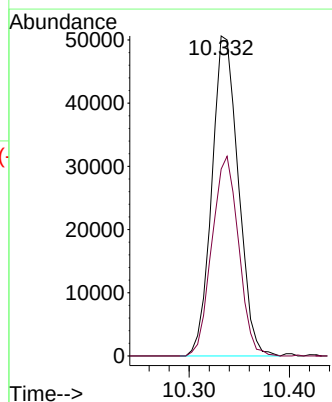
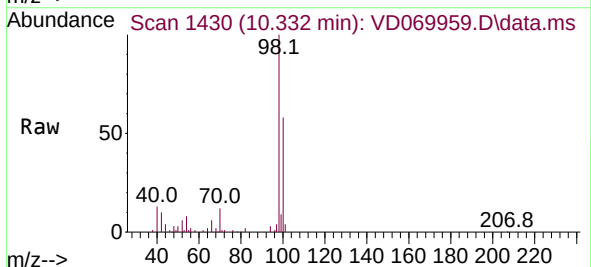
Instrument :
MSVOA_D
ClientSampled :

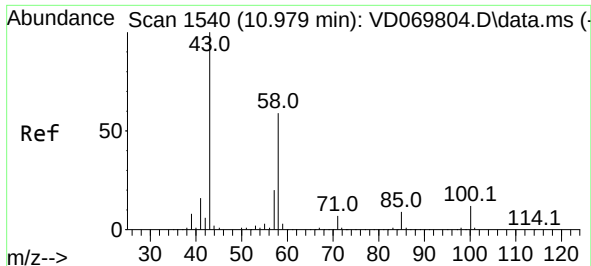
Tgt Ion: 41 Resp: 106
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 68.9 36.6 55.0#



#50
Toluene-d8
Concen: 49.763 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion: 98 Resp: 92802
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9

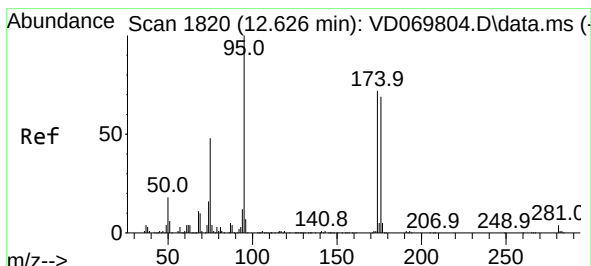
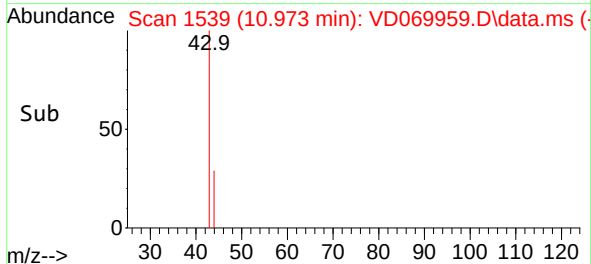
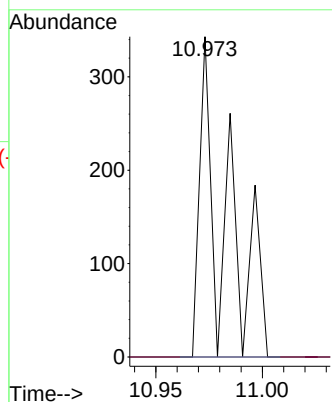
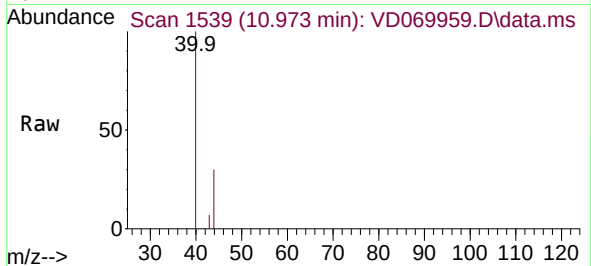




#59
2-Hexanone
Concen: 1.494 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

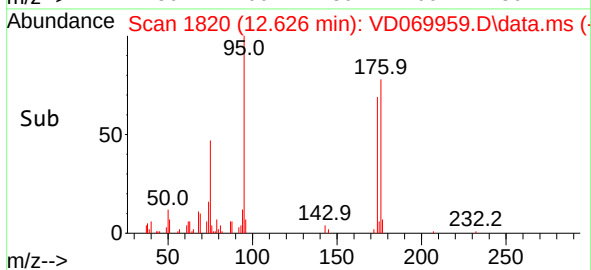
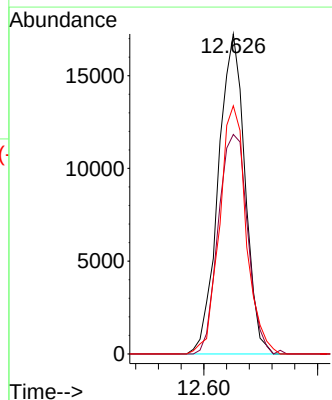
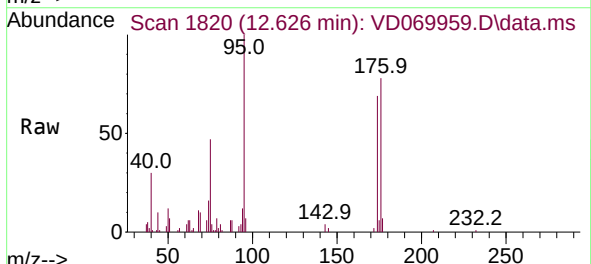
Instrument :
MSVOA_D
ClientSampled :

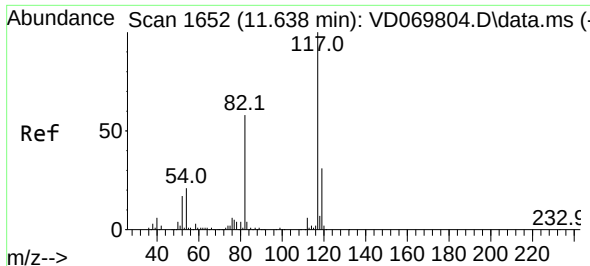
Tgt Ion: 43 Resp: 278
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 45.078 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion: 95 Resp: 28095
Ion Ratio Lower Upper
95 100
174 75.6 0.0 142.6
176 77.5 0.0 134.2

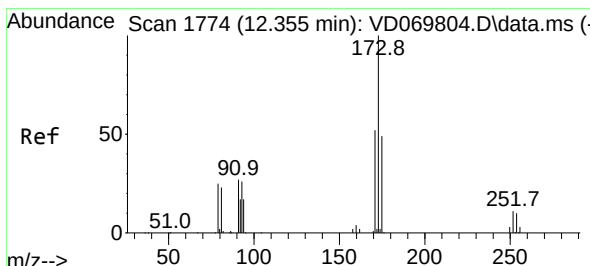
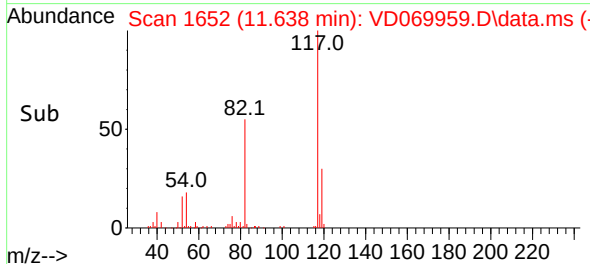
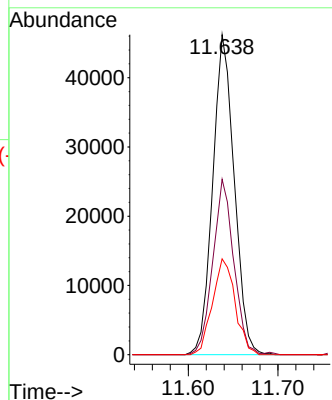
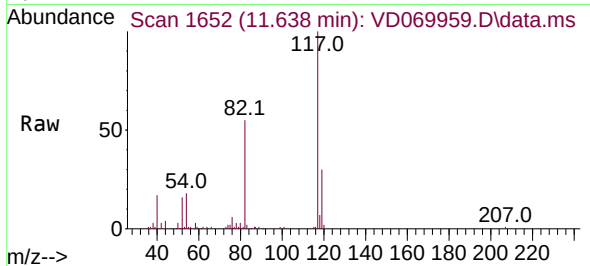




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

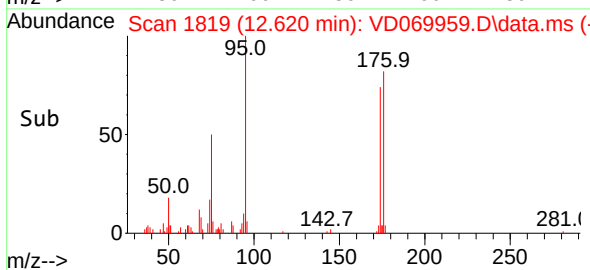
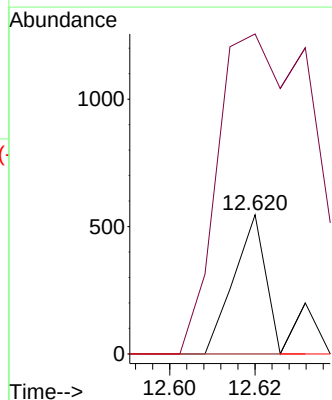
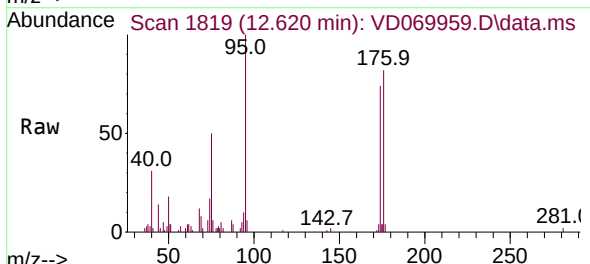
Instrument :
MSVOA_D
ClientSampleId :

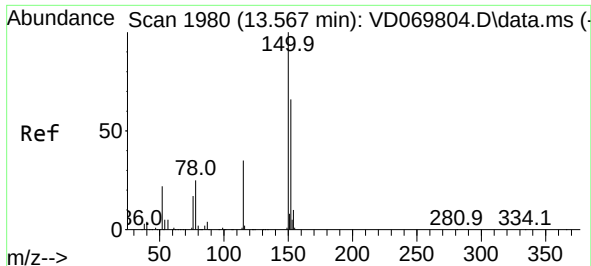
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	30.0	24.7	37.1



#71
Bromoform
Concen: 1.012 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

Tgt Ion	Ratio	Lower	Upper
173	100		
175	477.7	24.1	72.3#
254	0.0	0.1	0.1#

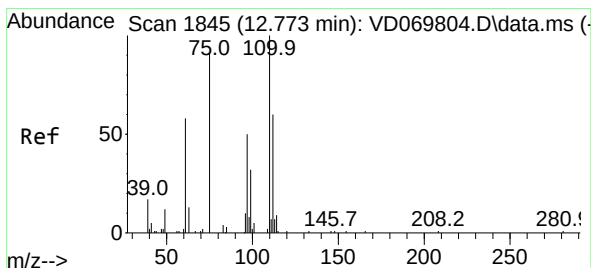
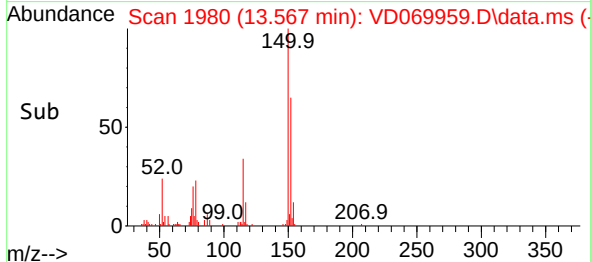
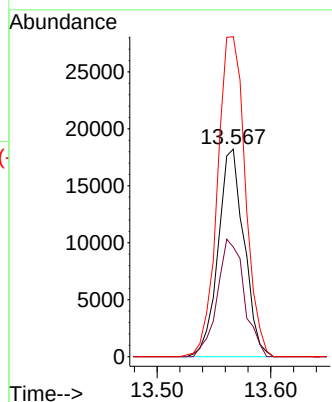
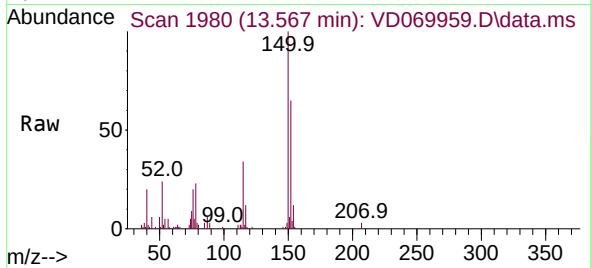




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069959.D
 Acq: 03 Aug 2021 11:54

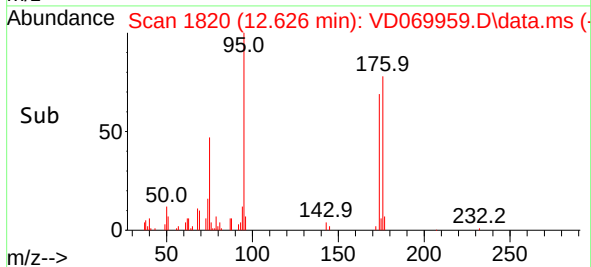
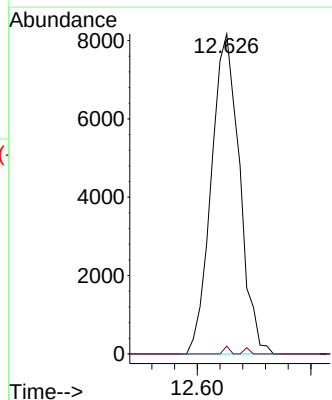
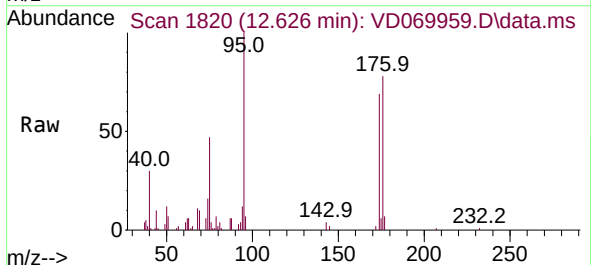
Instrument :
 MSVOA_D
 ClientSampleId :

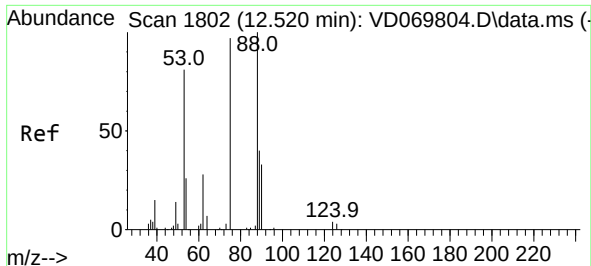
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	31.1	93.3
150	165.7	0.0	343.0



#76
 1,2,3-Trichloropropane
 Concen: 45.995 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069959.D
 Acq: 03 Aug 2021 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.5	181.5	544.5#

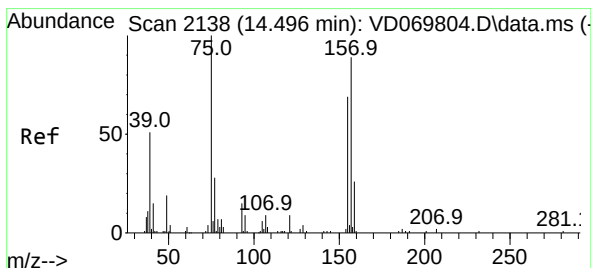
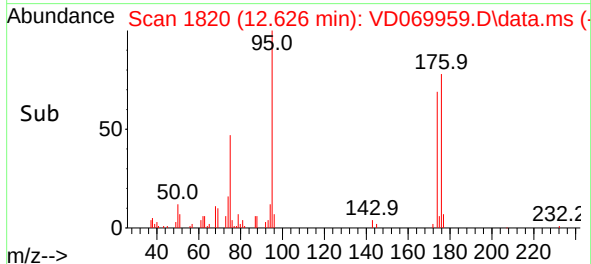
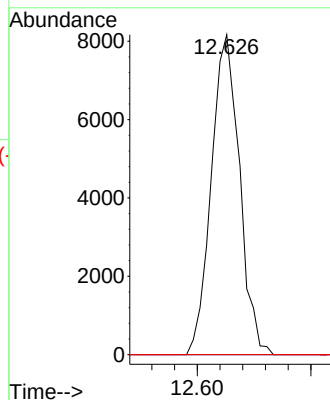
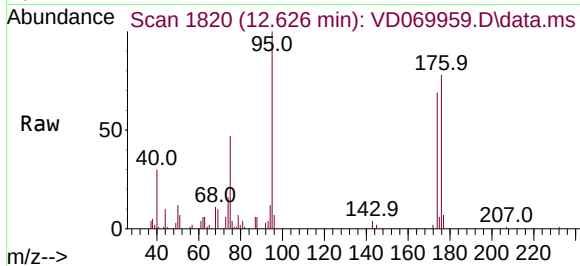




#81
trans-1,4-Dichloro-2-butene
Concen: 139.538 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

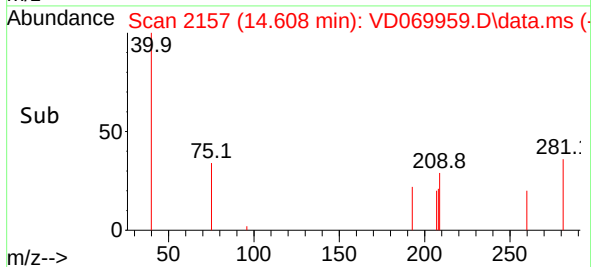
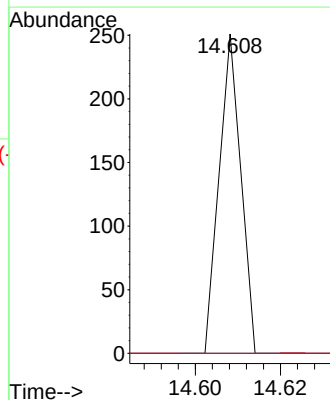
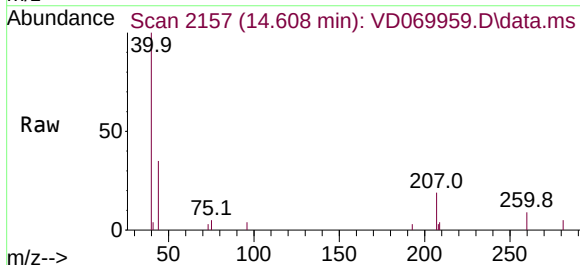
Instrument :
MSVOA_D
ClientSampleId :

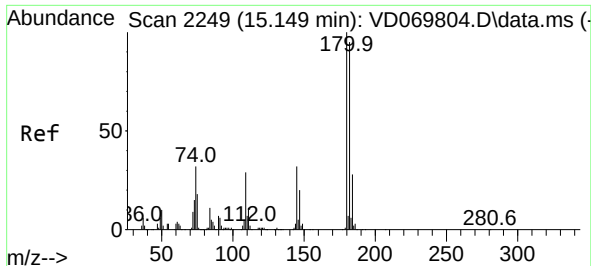
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.2	100.8#
89	0.0	35.8	53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.495 ug/l
RT: 14.608 min Scan# 2157
Delta R.T. 0.112 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

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

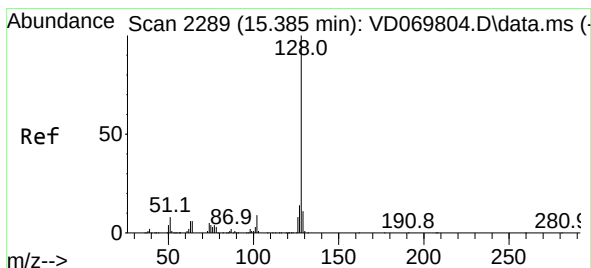
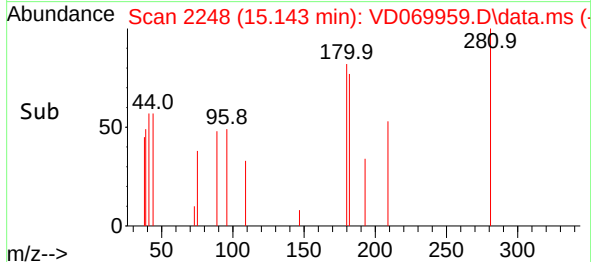
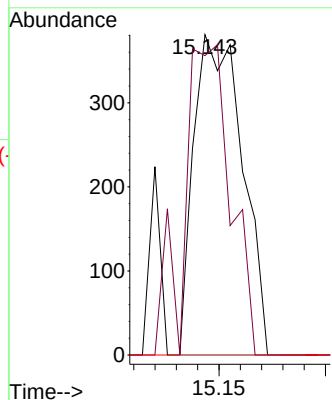
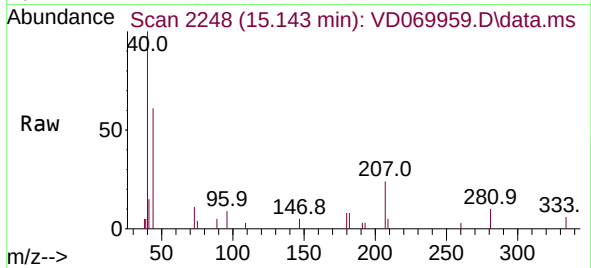




#93
1,2,4-Trichlorobenzene
Concen: 1.327 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

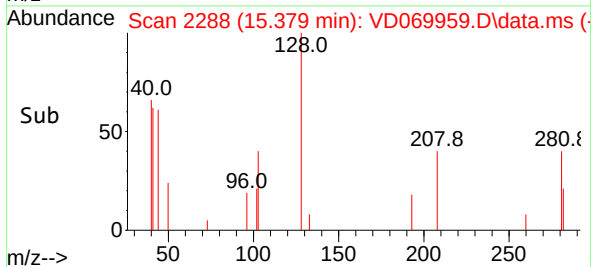
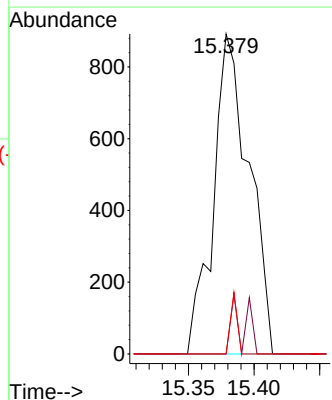
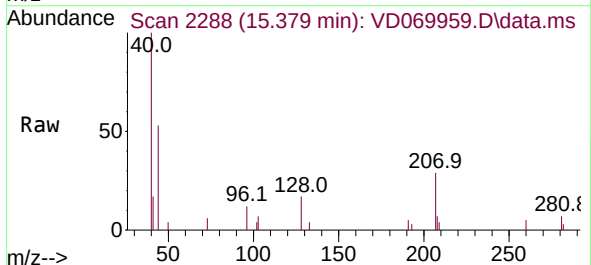
Instrument :
MSVOA_D
ClientSampleId :

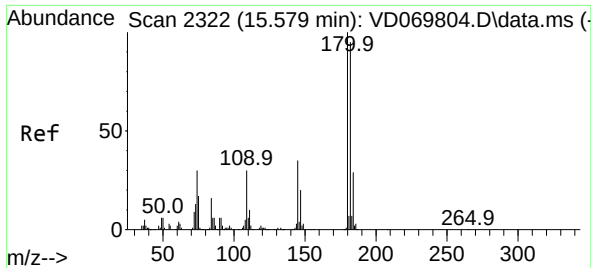
Tgt Ion:180 Resp: 605
Ion Ratio Lower Upper
180 100
182 92.7 47.6 142.9
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 6.610 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069959.D
Acq: 03 Aug 2021 11:54

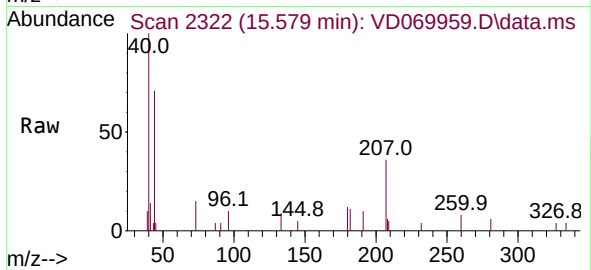
Tgt Ion:128 Resp: 1686
Ion Ratio Lower Upper
128 100
127 6.8 10.6 16.0#
129 3.6 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.600 ug/l
 RT: 15.579 min Scan# 2322
 Delta R.T. -0.000 min
 Lab File: VD069959.D
 Acq: 03 Aug 2021 11:54

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	631
Ion	Ratio	Lower	Upper
180	100		
182	120.1	47.3	142.0
145	37.9	17.3	51.9

