

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060421\
 Data File : VD069349.D
 Acq On : 04 Jun 2021 16:48
 Operator : VA/SY
 Sample : M2602-01
 Misc : 7.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-060321

Quant Time: Jun 05 00:36:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

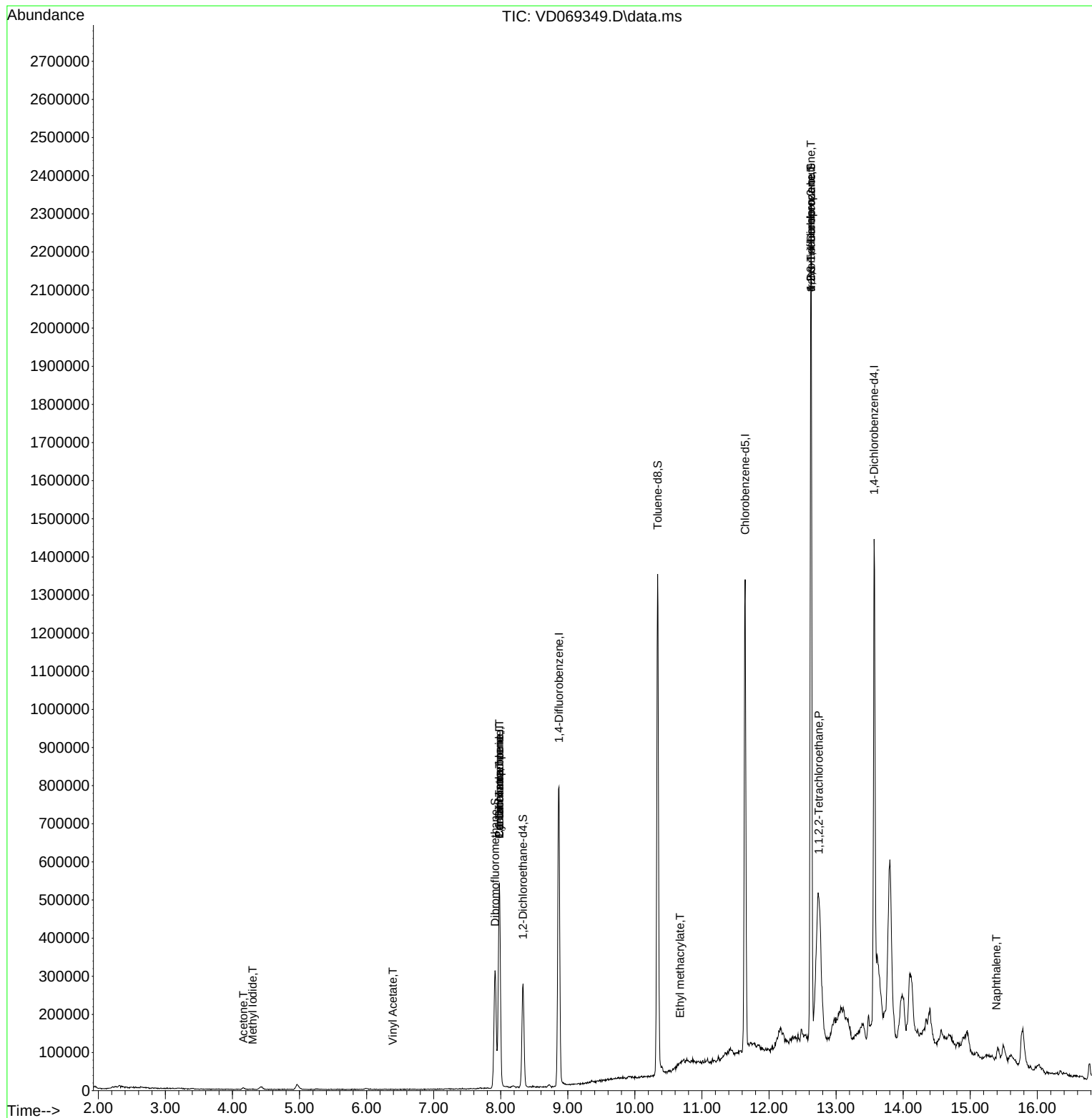
Internal Standards						
1) Pentafluorobenzene	7.979	168	401476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	714953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	747017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	351877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	221069	57.387	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.780%	
35) Dibromofluoromethane	7.914	113	229484	51.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.220%	
50) Toluene-d8	10.338	98	942363	57.720	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.440%	
62) 4-Bromofluorobenzene	12.626	95	347075	64.878	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.760%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	234	2.560	ug/l #	39
11) Tert butyl alcohol	5.220	59	175	Below Cal	#	73
16) Acetone	4.162	43	6627	9.858	ug/l	100
20) Methylene Chloride	4.962	84	10836	Below Cal	#	84
23) Vinyl Acetate	6.391	43	56	11.621	ug/l #	67
31) Cyclohexane	7.979	56	9387	1.534	ug/l #	24
36) 1,1-Dichloropropene	7.979	75	31415	4.521	ug/l #	50
38) Carbon Tetrachloride	7.979	117	40492	5.397	ug/l #	16
56) Ethyl methacrylate	10.673	69	1449	2.954	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.744	83	122742	27.302	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	176310	57.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	176310	127.797	ug/l #	19
95) Naphthalene	15.390	128	1508	3.419	ug/l #	41

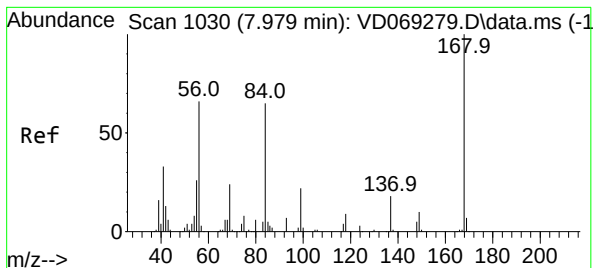
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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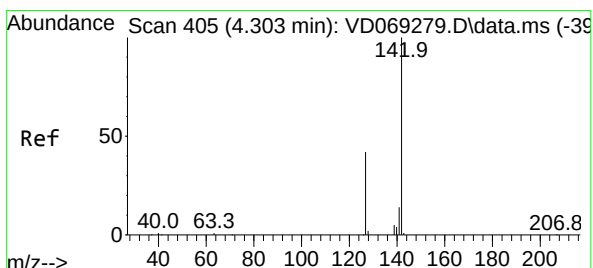
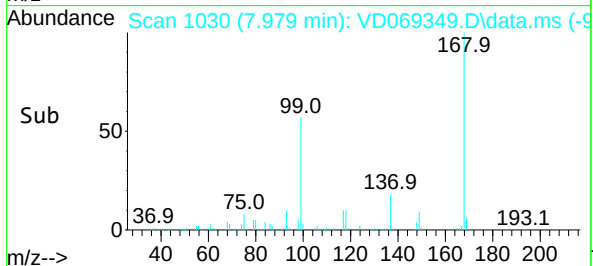
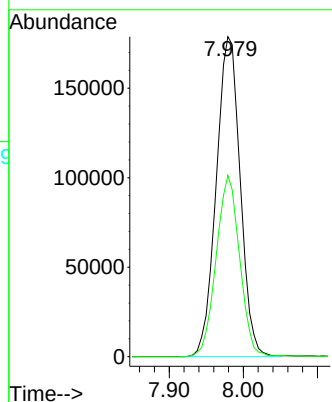
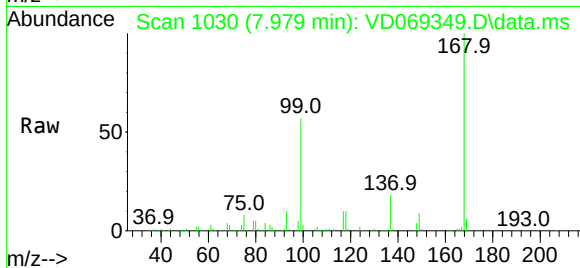




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

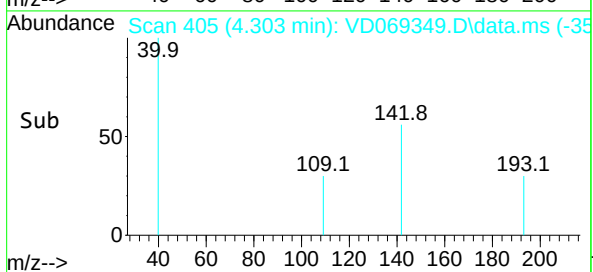
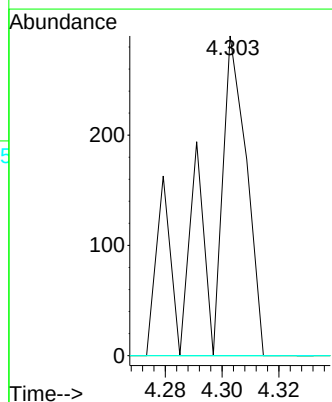
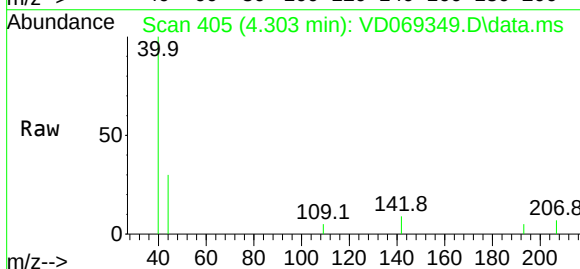
Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

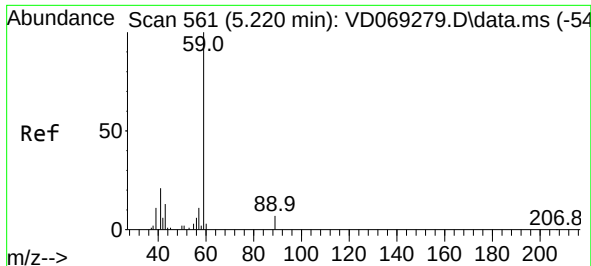
Tgt Ion:168 Resp: 401476
Ion Ratio Lower Upper
168 100
99 56.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.560 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

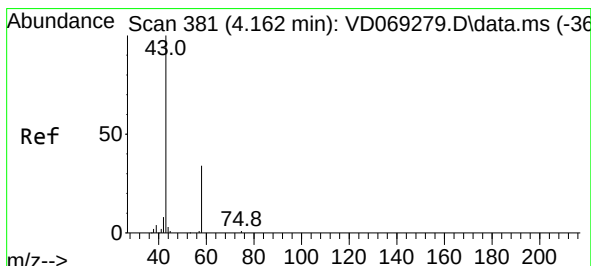
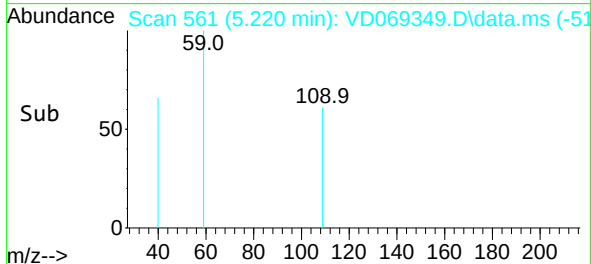
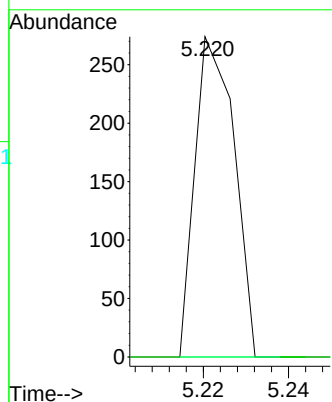
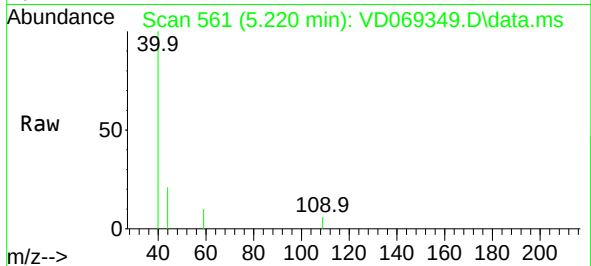




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

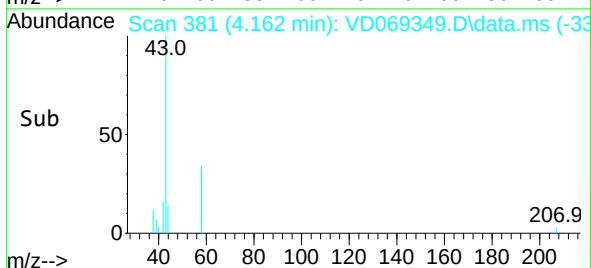
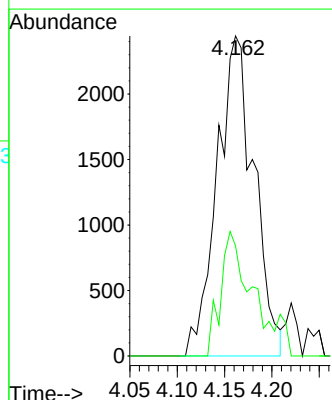
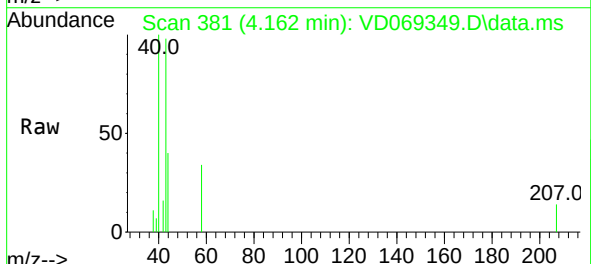
Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

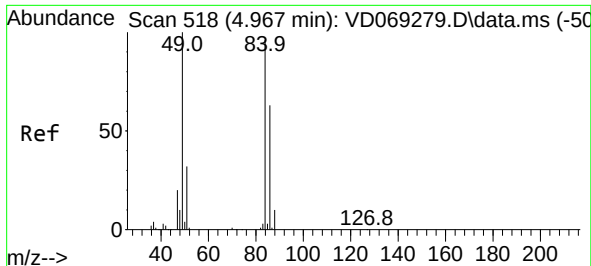
Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 9.858 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 43 Resp: 6627
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3

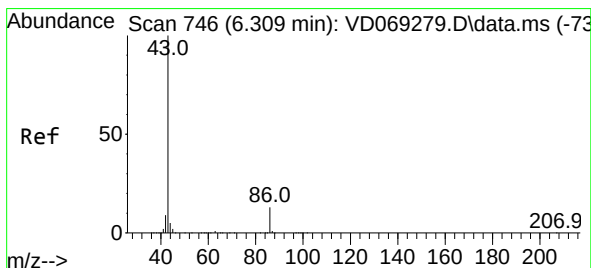
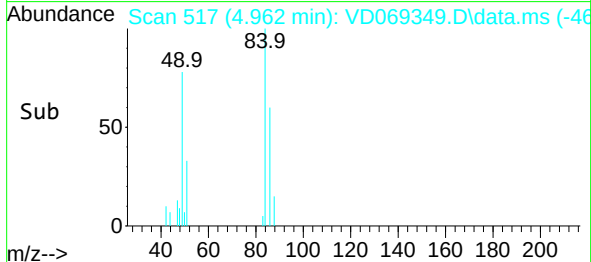
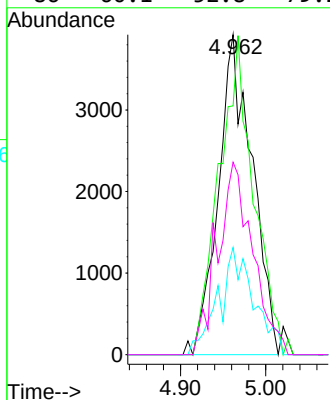
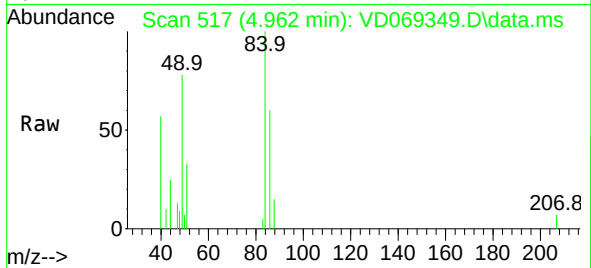




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

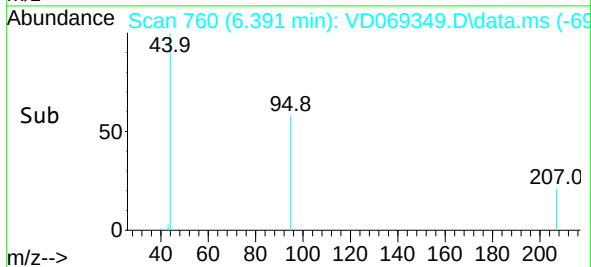
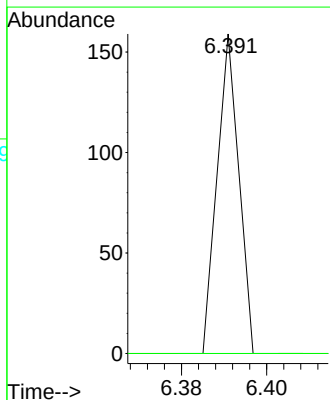
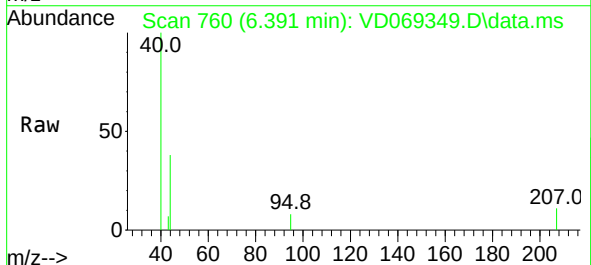
Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

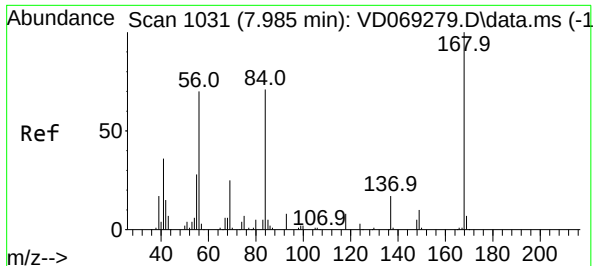
Tgt Ion:	84	Resp:	10836
Ion	Ratio	Lower	Upper
84	100		
49	77.7	83.7	125.5#
51	33.5	26.4	39.6
86	60.1	52.8	79.2



#23
Vinyl Acetate
Concen: 11.621 ug/l
RT: 6.391 min Scan# 760
Delta R.T. 0.082 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

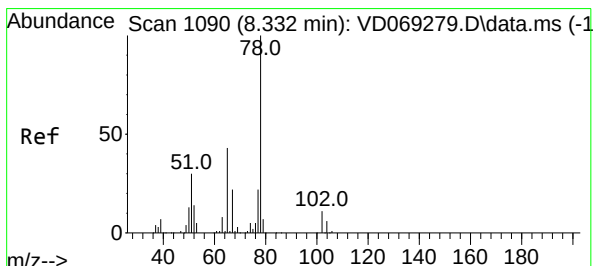
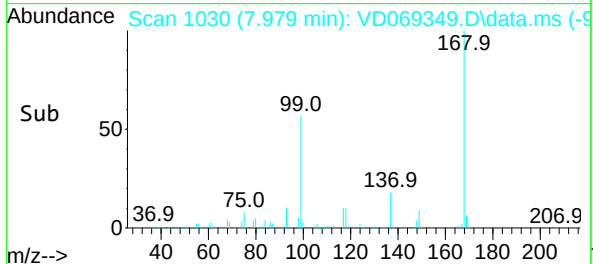
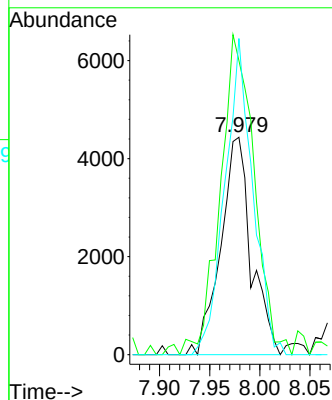
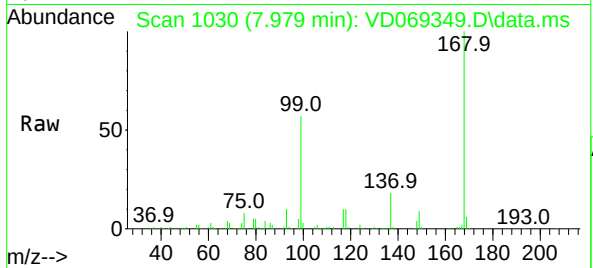




#31
Cyclohexane
Concen: 1.534 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

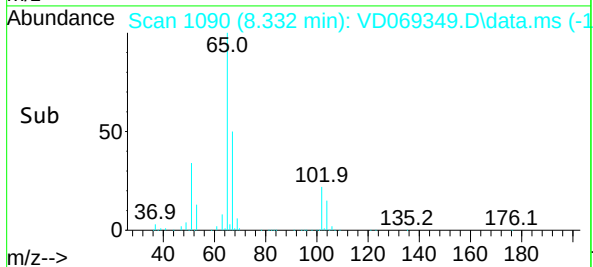
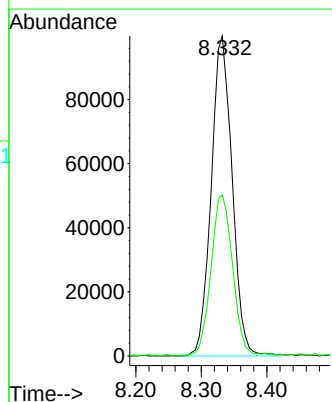
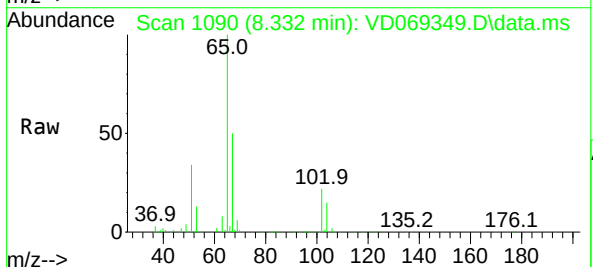
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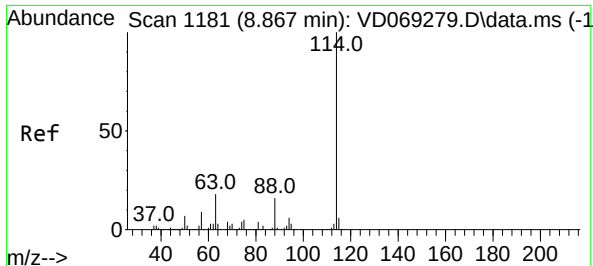
Tgt Ion: 56 Resp: 9387
Ion Ratio Lower Upper
56 100
69 135.2 29.0 43.4#
84 145.4 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 57.387 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 65 Resp: 221069
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8



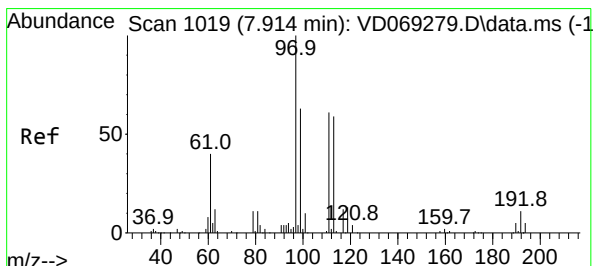
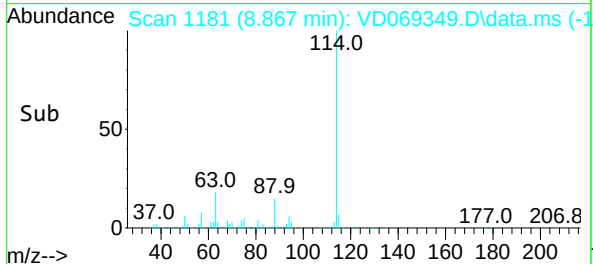
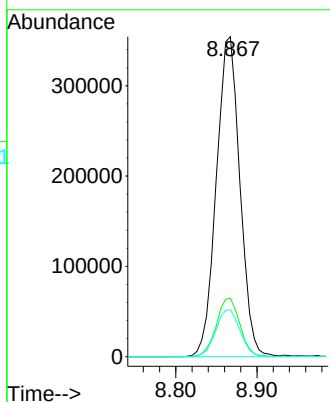
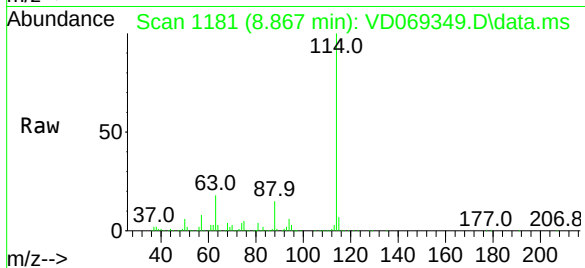


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

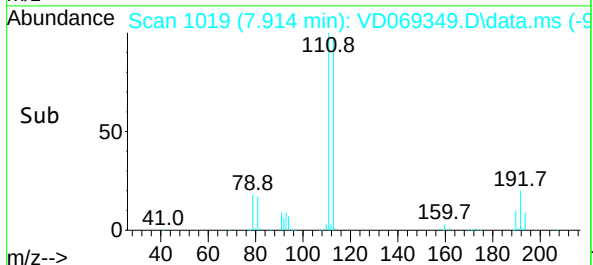
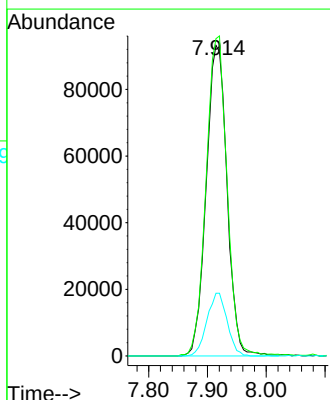
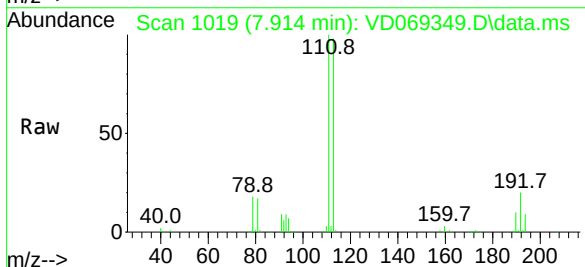
Tgt Ion:	114	Resp:	714953
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.7	0.0	31.2

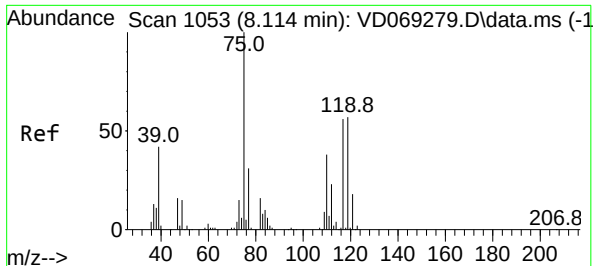


#35

Dibromofluoromethane
Concen: 51.113 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion:	113	Resp:	229484
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	19.6	15.1	22.7

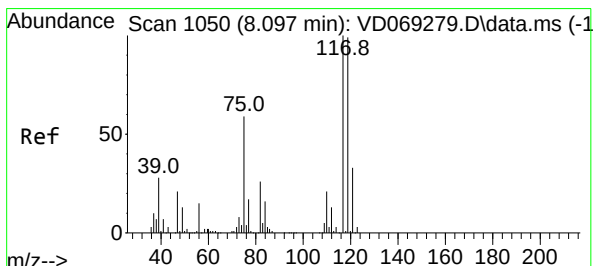
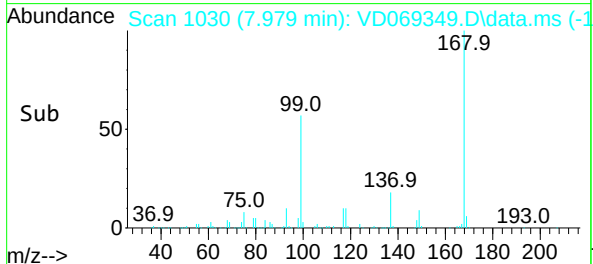
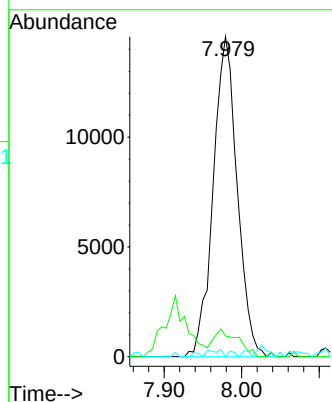
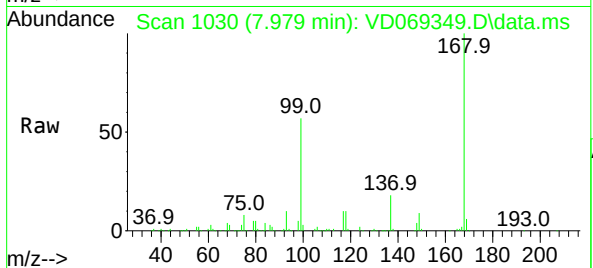




#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

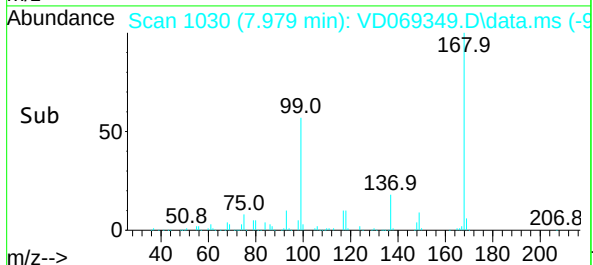
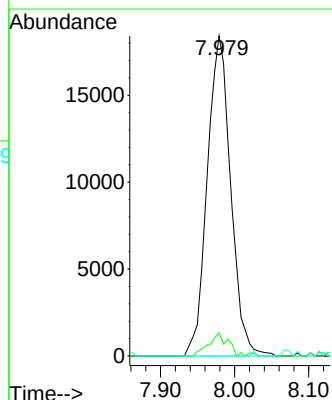
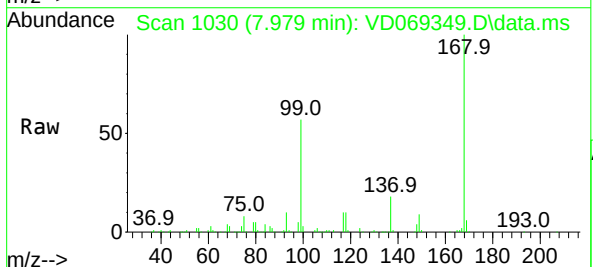
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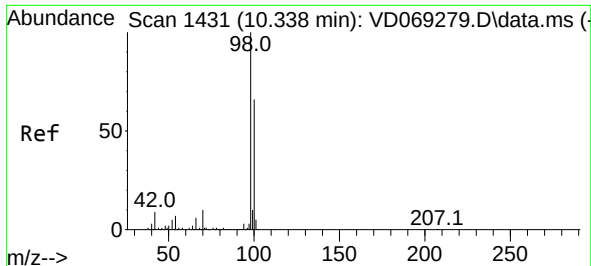
Tgt Ion: 75 Resp: 31415
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 1.6 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.397 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 117 Resp: 40492
Ion Ratio Lower Upper
117 100
119 7.2 79.4 119.2#
121 0.0 26.1 39.1#

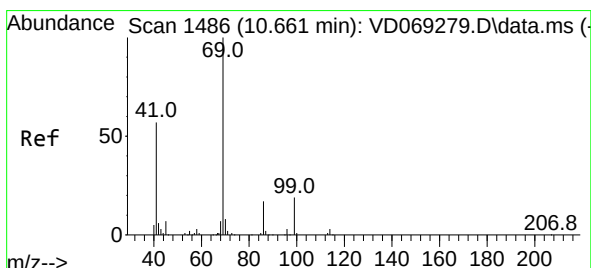
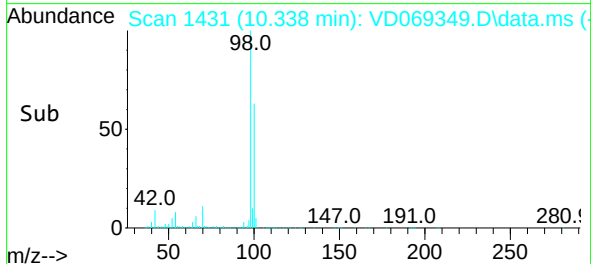
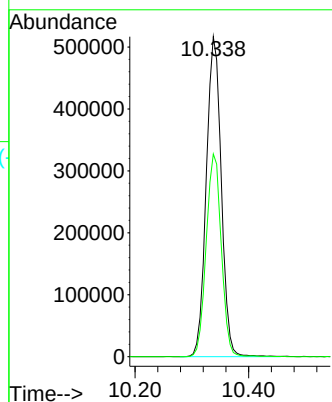
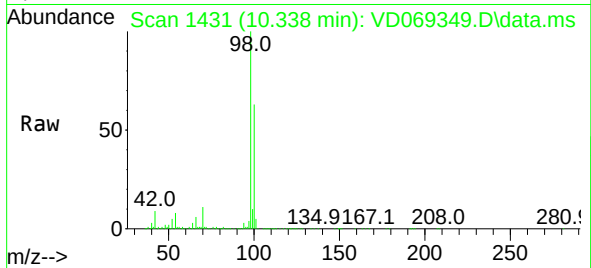




#50
Toluene-d8
Concen: 57.720 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

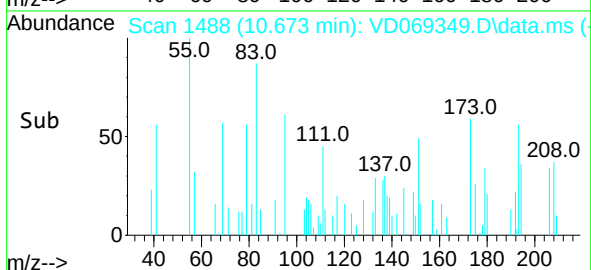
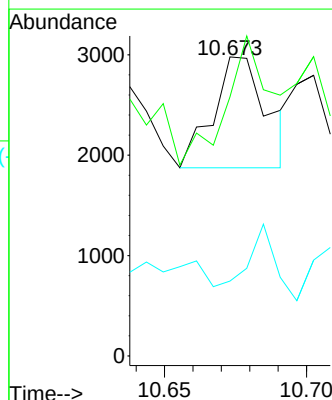
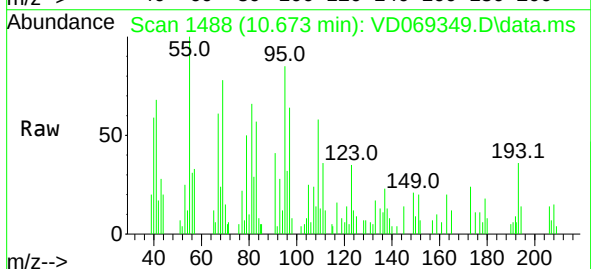
Instrument :
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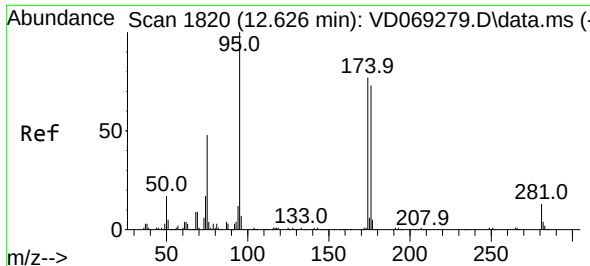
Tgt Ion: 98 Resp: 942363
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.954 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 69 Resp: 1449
Ion Ratio Lower Upper
69 100
41 63.9 45.4 68.2
39 40.4 21.7 32.5#

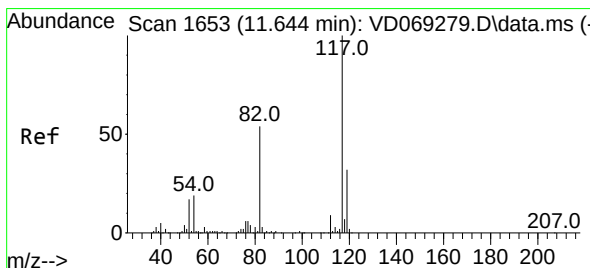
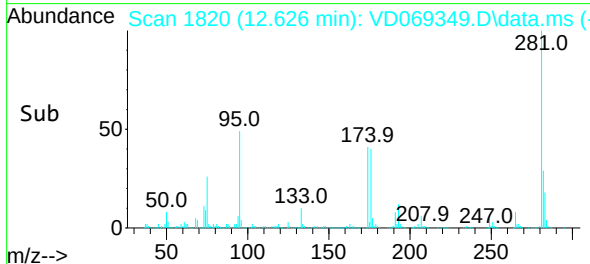
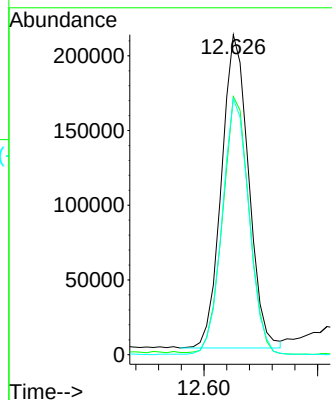
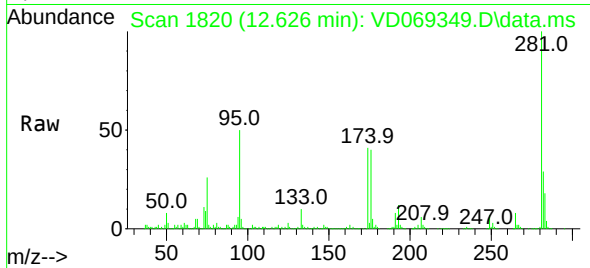




#62
4-Bromofluorobenzene
Concen: 64.878 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

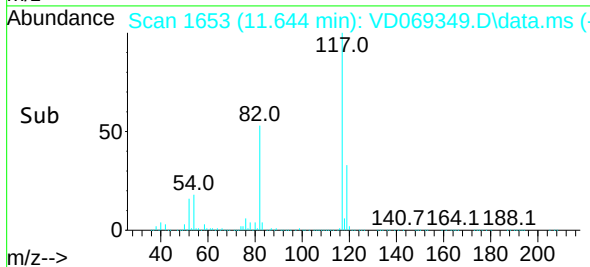
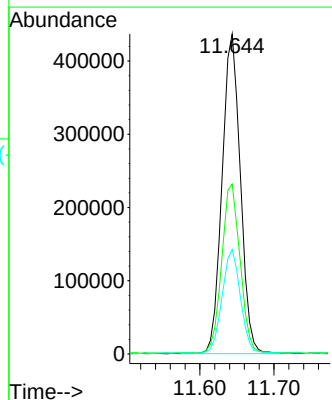
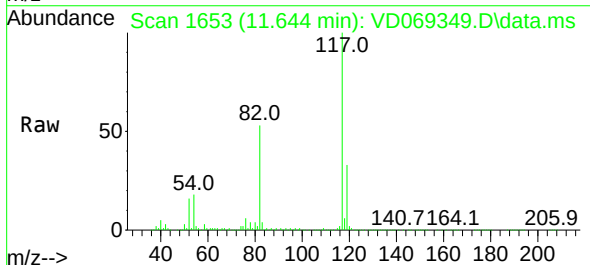
Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

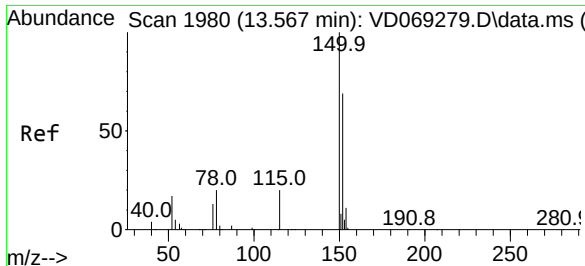
Tgt Ion: 95 Resp: 347075
Ion Ratio Lower Upper
95 100
174 81.0 0.0 162.8
176 81.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 117 Resp: 747017
Ion Ratio Lower Upper
117 100
82 52.8 43.3 64.9
119 32.4 25.3 37.9

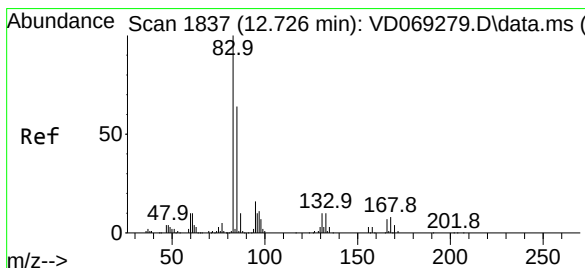
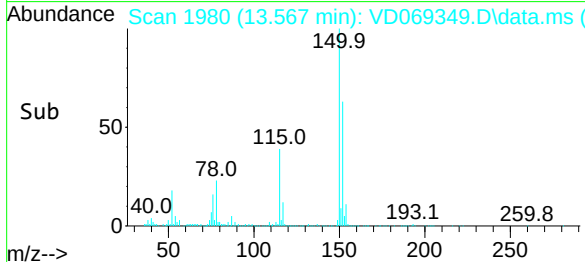
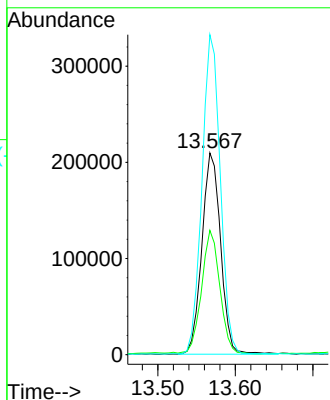
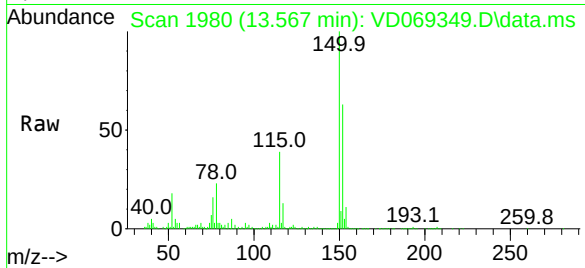




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069349.D
 Acq: 04 Jun 2021 16:48

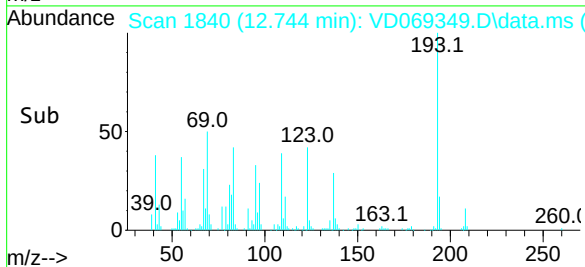
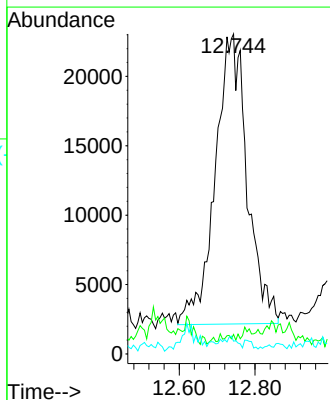
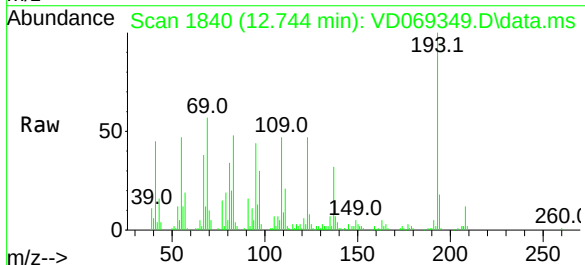
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-060321

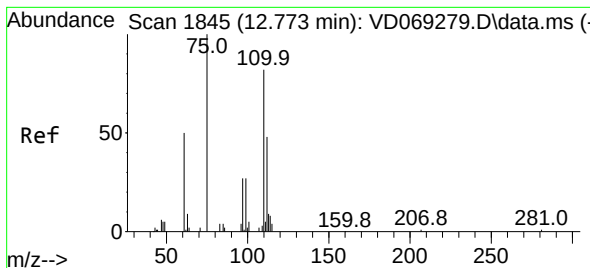
Tgt Ion:152 Resp: 351877
 Ion Ratio Lower Upper
 152 100
 115 59.9 29.4 88.3
 150 154.6 0.0 355.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 27.302 ug/l
 RT: 12.744 min Scan# 1840
 Delta R.T. 0.018 min
 Lab File: VD069349.D
 Acq: 04 Jun 2021 16:48

Tgt Ion: 83 Resp: 122742
 Ion Ratio Lower Upper
 83 100
 131 0.3 5.3 16.1#
 85 1.7 32.6 98.0#

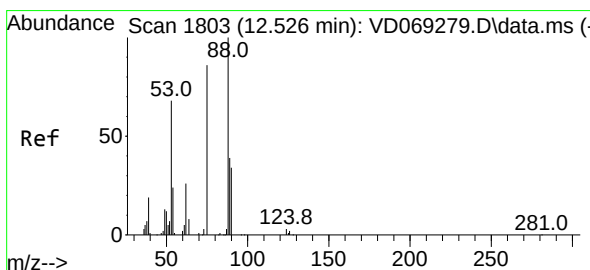
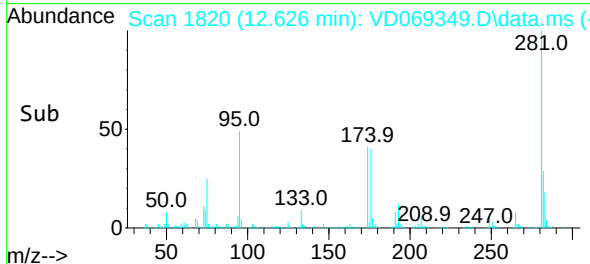
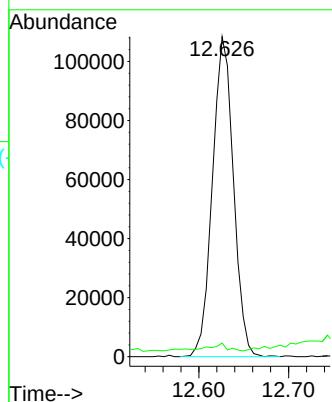
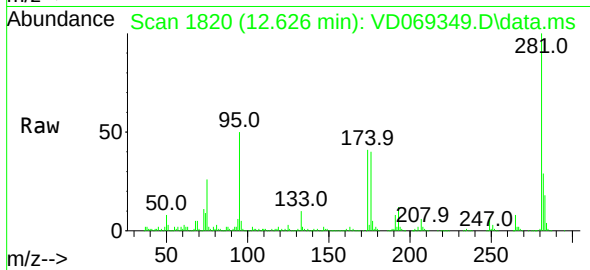




#76
1,2,3-Trichloropropane
Concen: 57.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

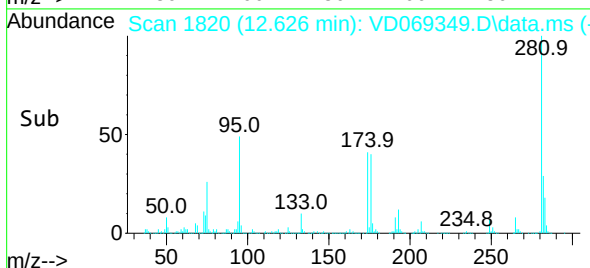
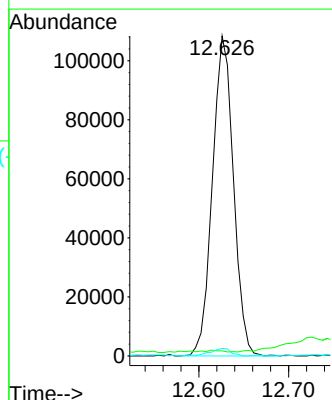
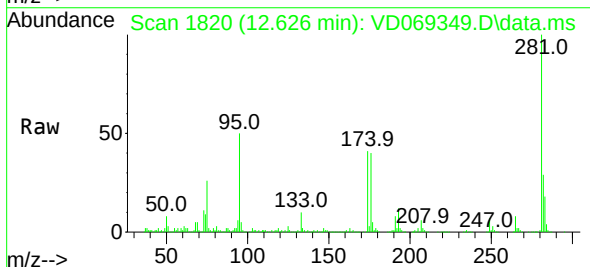
Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

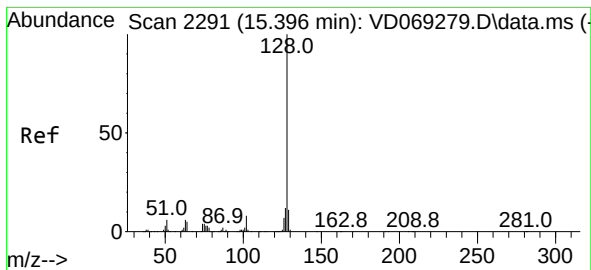
Tgt Ion: 75 Resp: 176310
Ion Ratio Lower Upper
75 100
77 1.8 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.797 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Tgt Ion: 75 Resp: 176310
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 2.4 35.6 53.4#





#95
Naphthalene
Concen: 3.419 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069349.D
Acq: 04 Jun 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :
SU-02-060321

Tgt Ion:128 Resp: 1508
Ion Ratio Lower Upper
128 100
127 46.6 10.4 15.6#
129 22.3 8.8 13.2#

