

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069475.D
 Acq On : 17 Jun 2021 12:59
 Operator : VA/SY
 Sample : M2739-01
 Misc : 6.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:25:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

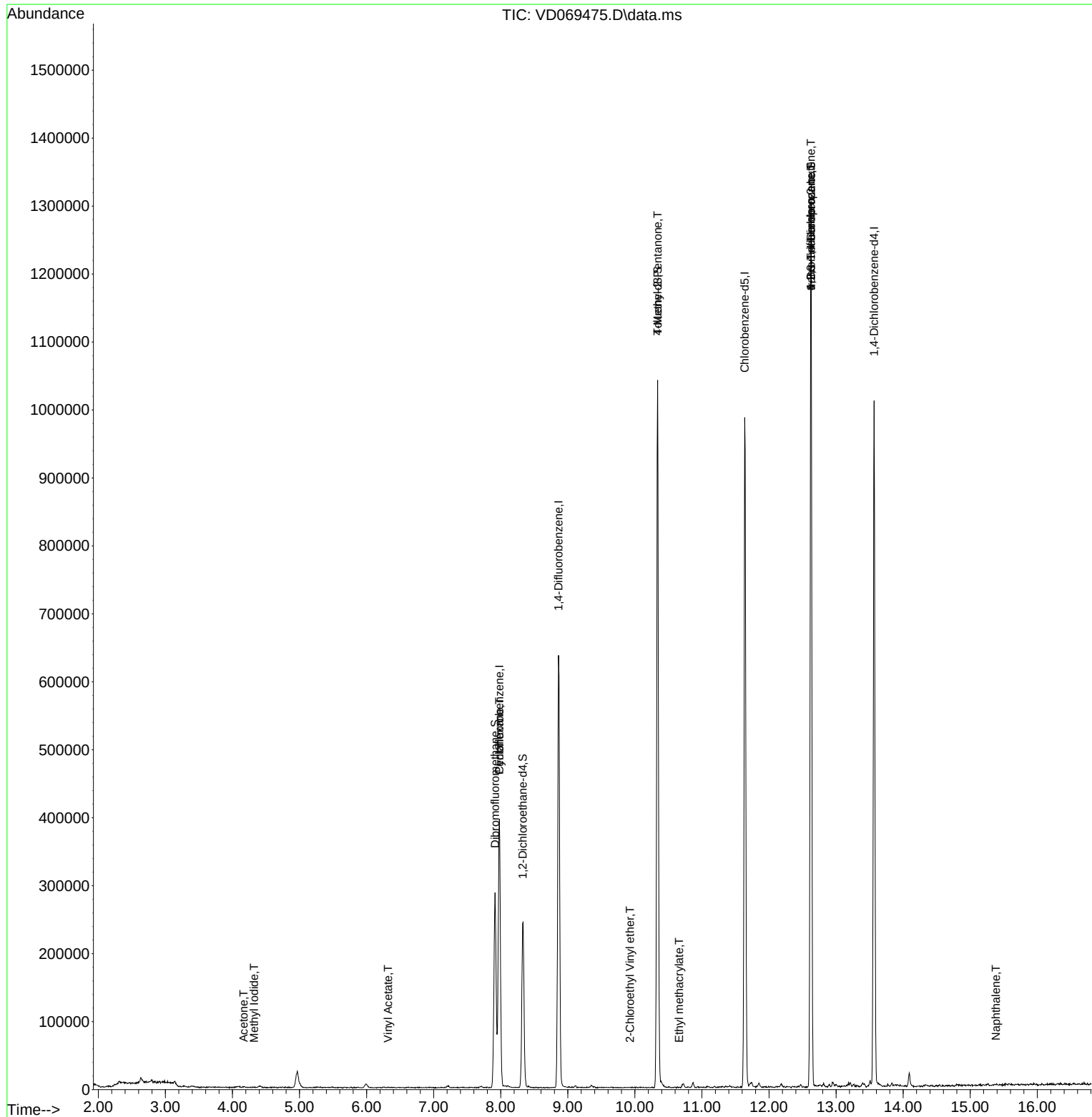
Internal Standards						
1) Pentafluorobenzene	7.979	168	292868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	549664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	601053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	275104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198416	60.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.100%	
35) Dibromofluoromethane	7.914	113	200654	48.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.480%	
50) Toluene-d8	10.338	98	721935	47.944	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.880%	
62) 4-Bromofluorobenzene	12.626	95	271765	56.249	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.500%	
Target Compounds						
5) Bromomethane	2.779	94	1324	Below Cal	#	42
10) Methyl Iodide	4.321	142	858	3.561	ug/l #	47
16) Acetone	4.168	43	1476	2.699	ug/l #	82
18) Methyl Acetate	4.620	43	61	Below Cal	#	46
20) Methylene Chloride	4.968	84	18811	Below Cal		91
23) Vinyl Acetate	6.320	43	79	17.593	ug/l #	67
31) Cyclohexane	7.979	56	6168	1.374	ug/l #	11
51) 4-Methyl-2-Pentanone	10.338	43	2444	1.323	ug/l #	1
56) Ethyl methacrylate	10.661	69	78	2.844	ug/l #	31
58) 2-Chloroethyl Vinyl ether	9.926	63	116	12.000	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	135588	48.614	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	135588	129.689	ug/l #	18
95) Naphthalene	15.385	128	1011	3.669	ug/l #	77

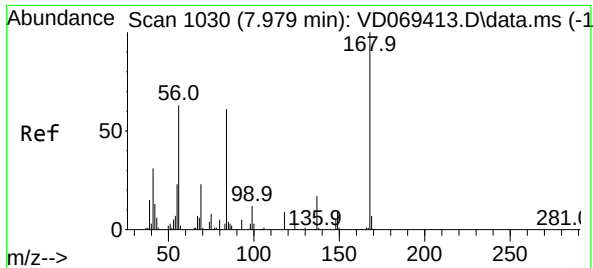
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 01:25:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
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QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

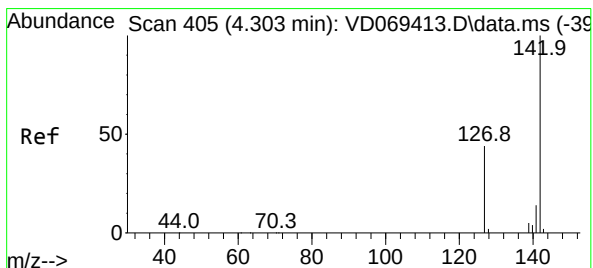
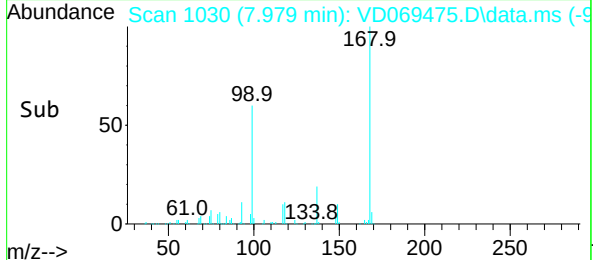
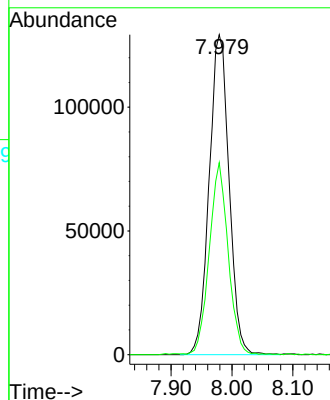
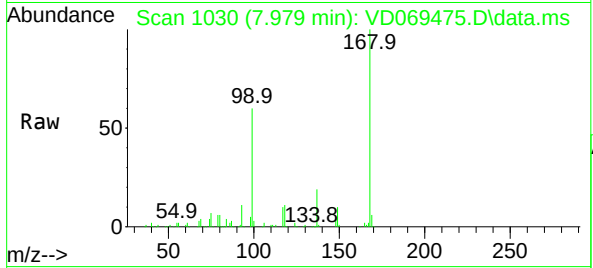




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

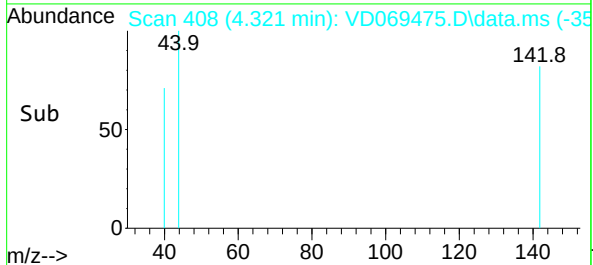
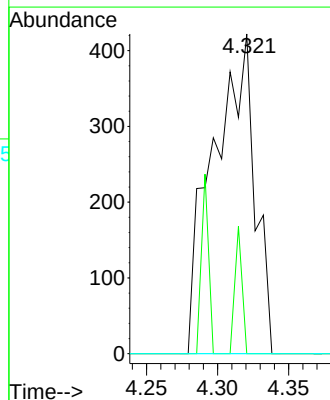
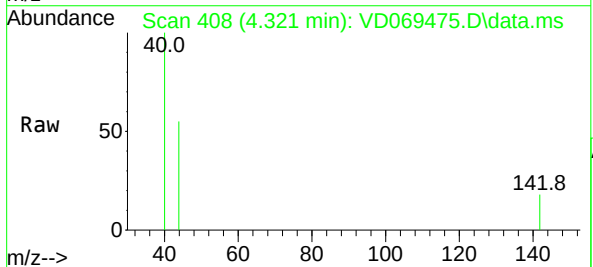
Instrument :
MSVOA_D
ClientSampleId :

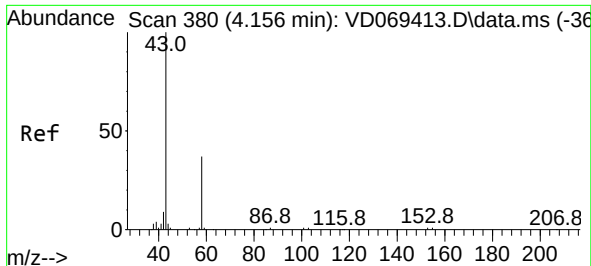
Tgt Ion:168 Resp: 292868
Ion Ratio Lower Upper
168 100
99 59.8 46.2 69.2



#10
Methyl Iodide
Concen: 3.561 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.018 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion:142 Resp: 858
Ion Ratio Lower Upper
142 100
127 6.9 36.2 54.2#
141 0.0 12.2 18.2#

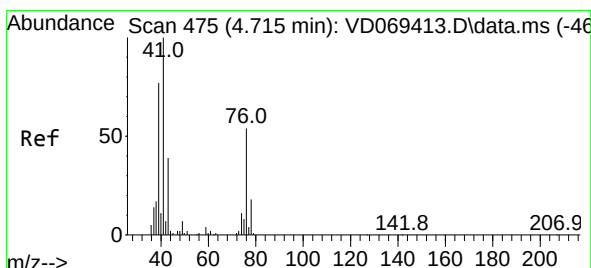
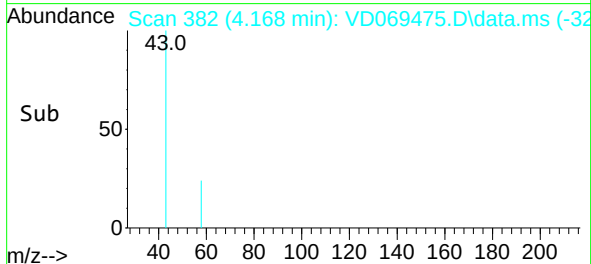
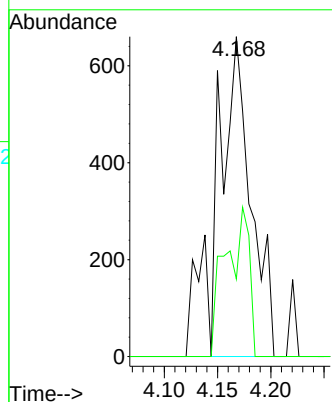
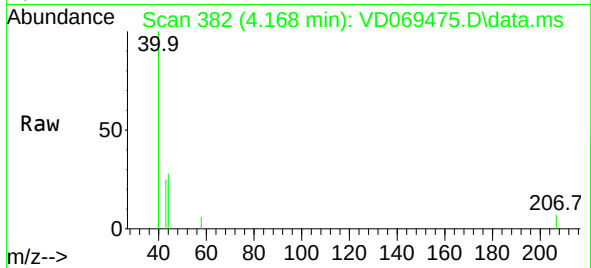




#16
Acetone
Concen: 2.699 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

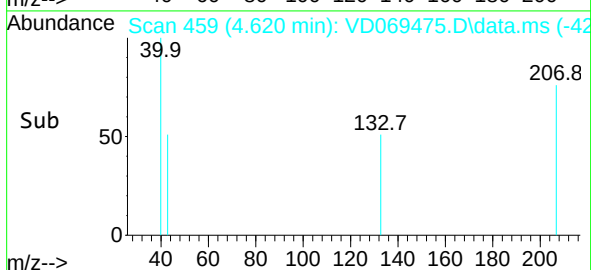
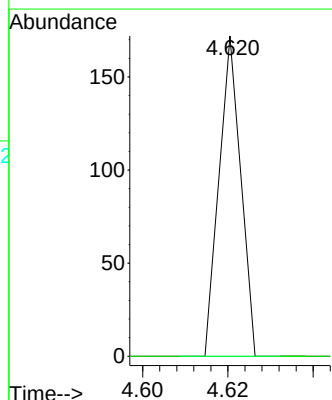
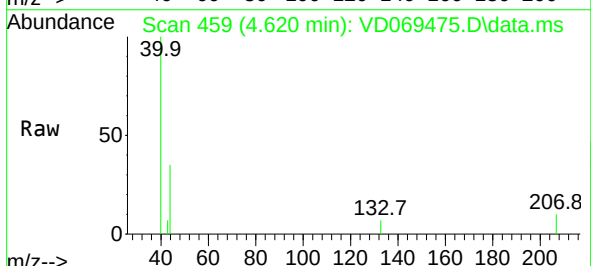
Instrument :
MSVOA_D
ClientSampleId :

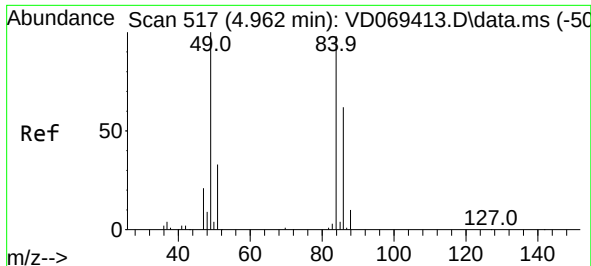
Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
58 24.2 27.5 41.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.620 min Scan# 459
Delta R.T. -0.095 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

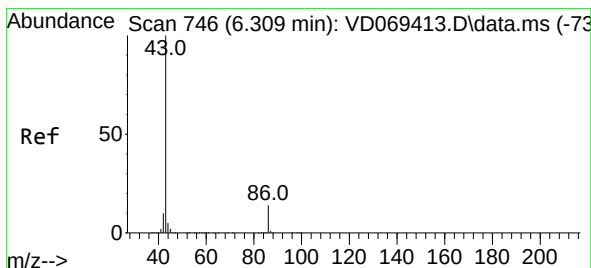
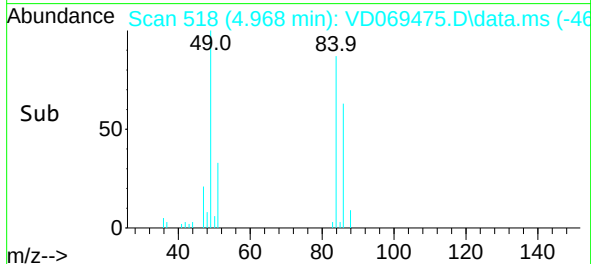
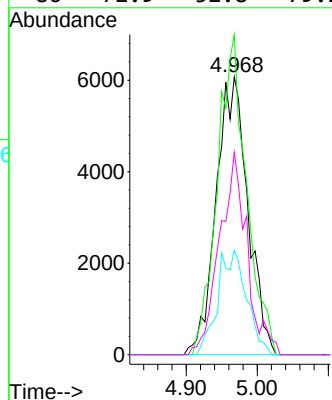
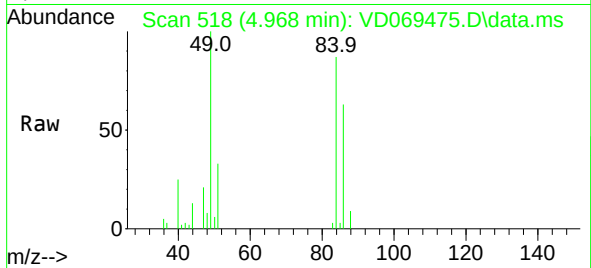




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

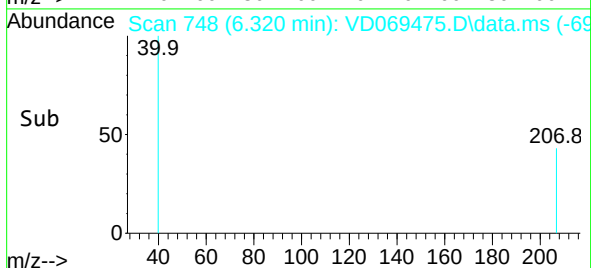
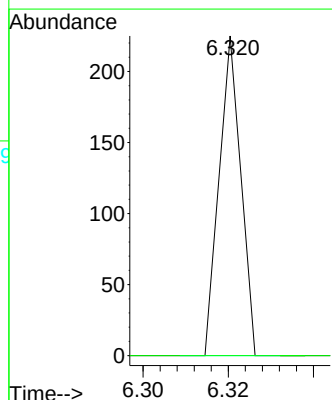
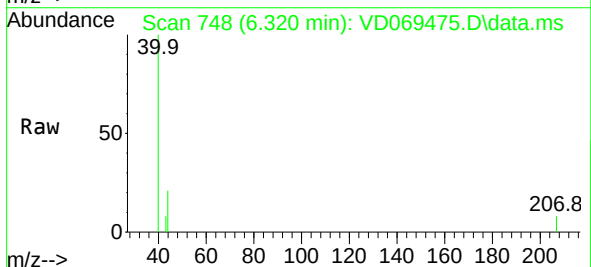
Instrument :
MSVOA_D
ClientSampleId :

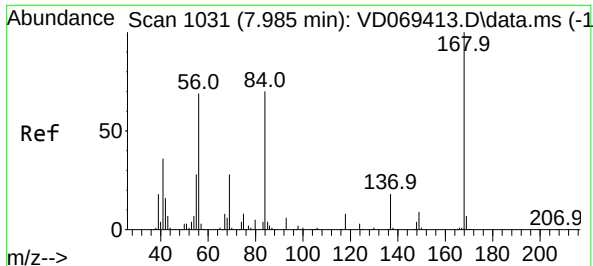
Tgt Ion:	84	Resp:	18811
Ion	Ratio	Lower	Upper
84	100		
49	115.2	83.7	125.5
51	37.7	26.4	39.6
86	72.9	52.8	79.2



#23
Vinyl Acetate
Concen: 17.593 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

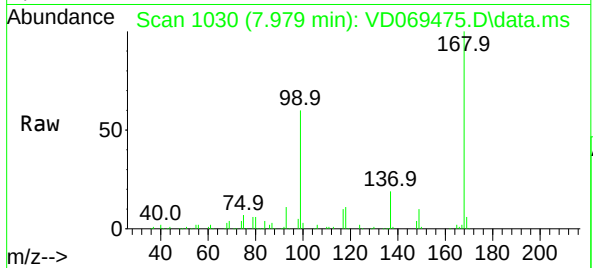
Tgt Ion:	43	Resp:	79
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



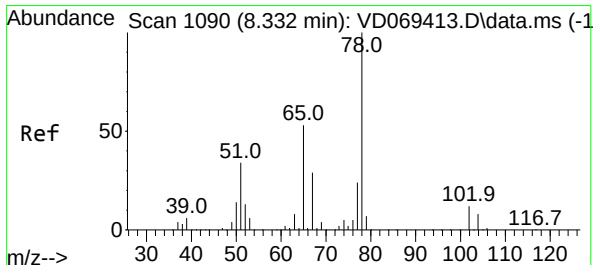
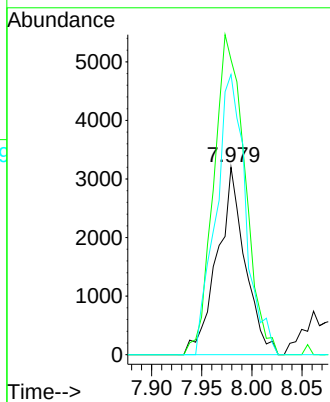
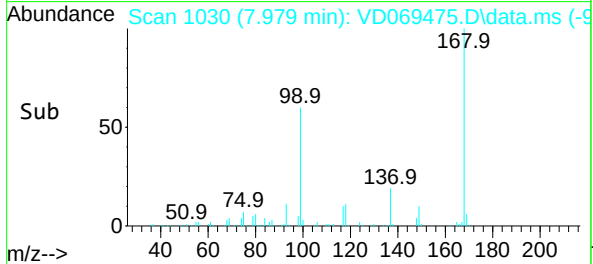


#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

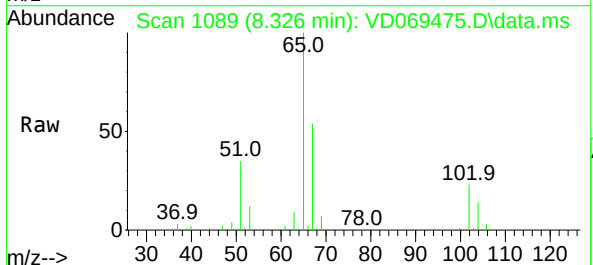
Instrument :
MSVOA_D
ClientSampled :



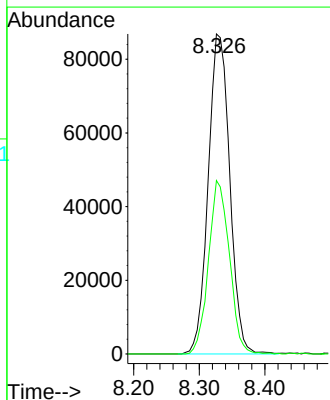
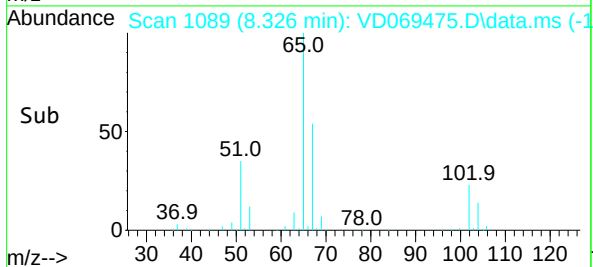
Tgt Ion:	56	Resp:	6168
Ion	Ratio	Lower	Upper
56	100		
69	157.4	29.0	43.4#
84	149.5	81.1	121.7#

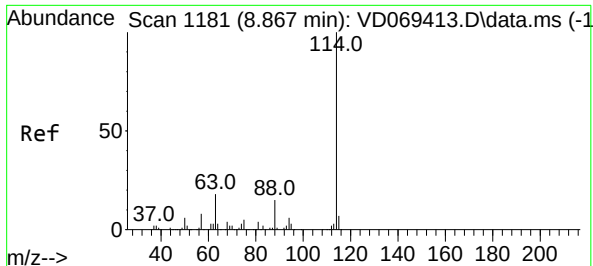


#33
1,2-Dichloroethane-d4
Concen: 60.053 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59



Tgt Ion:	65	Resp:	198416
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.8



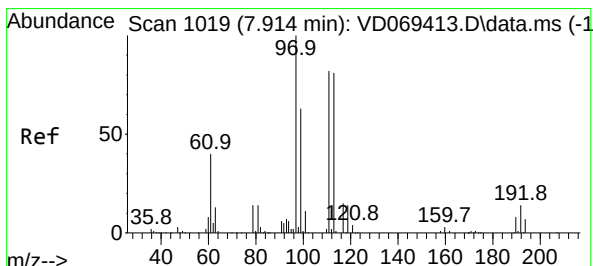
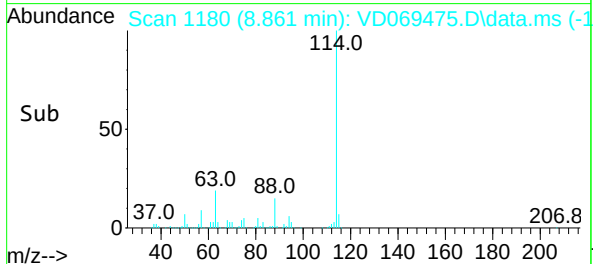
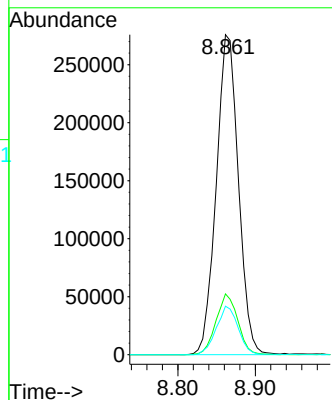
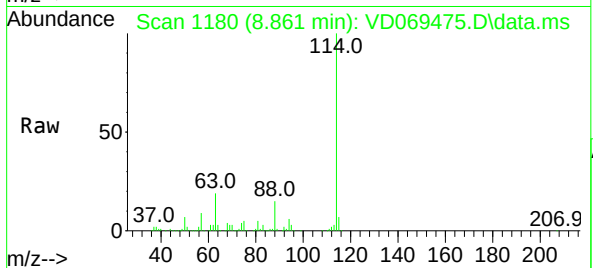


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Instrument :
MSVOA_D
ClientSampled :

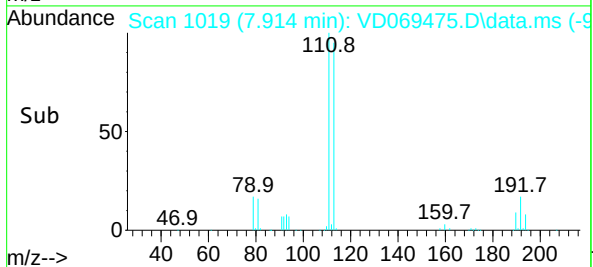
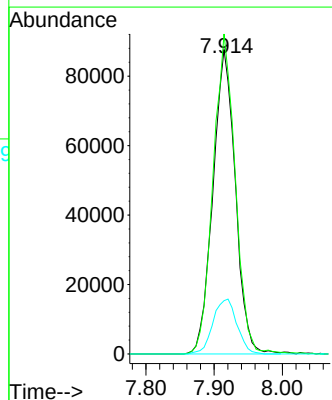
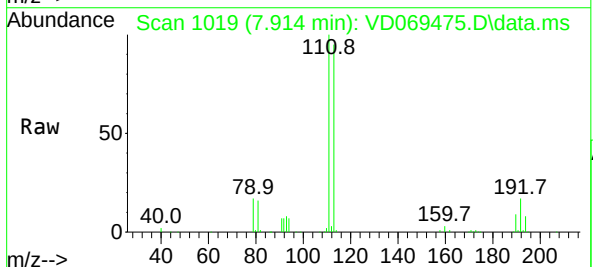
Tgt Ion:	114	Resp:	549664
Ion Ratio	Lower	Upper	
114	100		
63	19.0	0.0	35.6
88	15.1	0.0	31.2

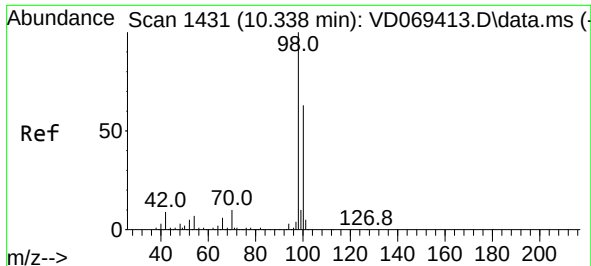


#35

Dibromofluoromethane
Concen: 48.738 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion:	113	Resp:	200654
Ion Ratio	Lower	Upper	
113	100		
111	104.3	83.0	124.6
192	19.2	15.1	22.7

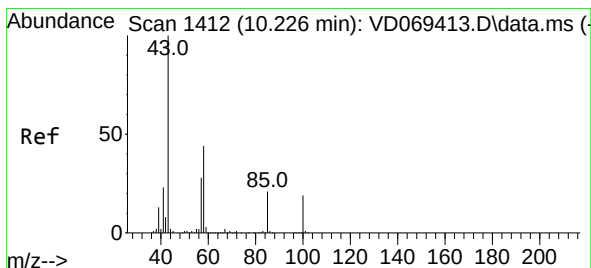
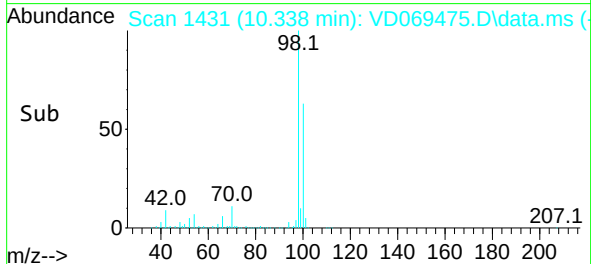
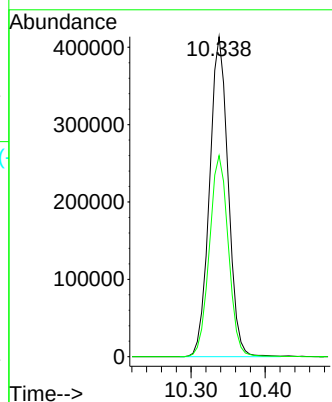
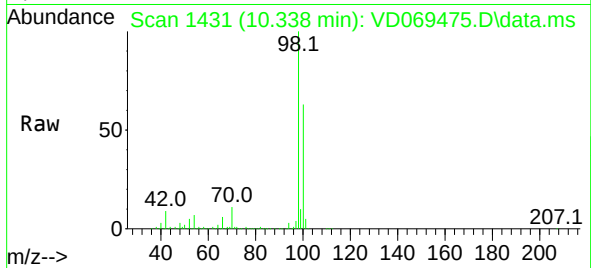




#50
Toluene-d8
Concen: 47.944 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

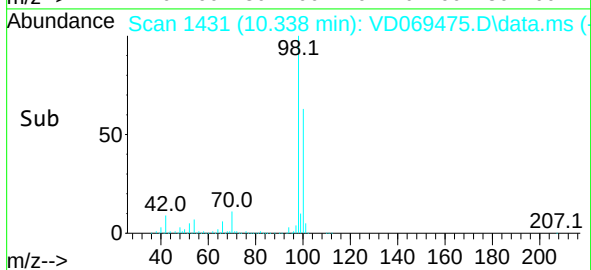
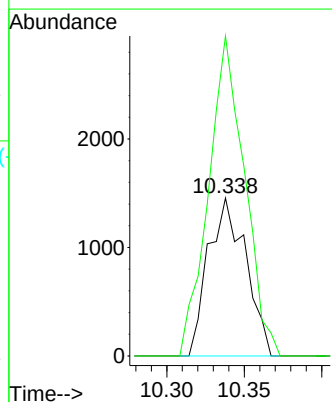
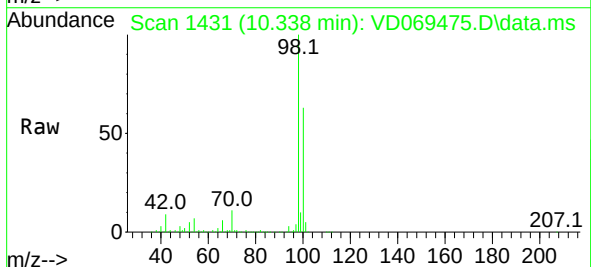
Instrument :
MSVOA_D
ClientSampleId :

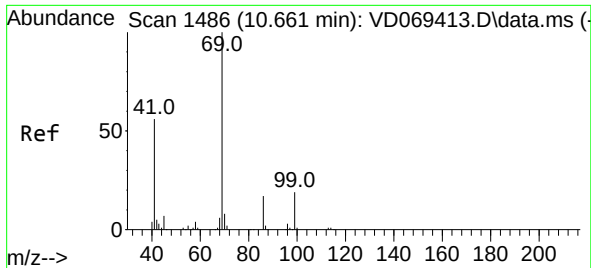
Tgt Ion: 98 Resp: 721935
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
58 195.4 35.1 52.7#

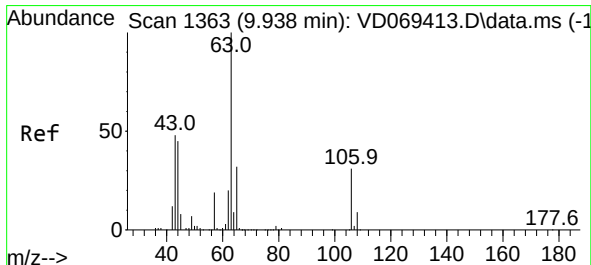
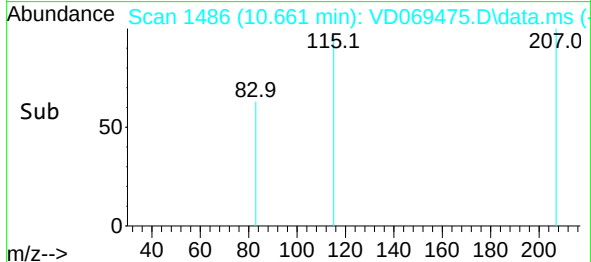
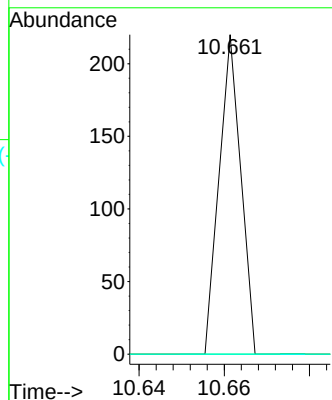
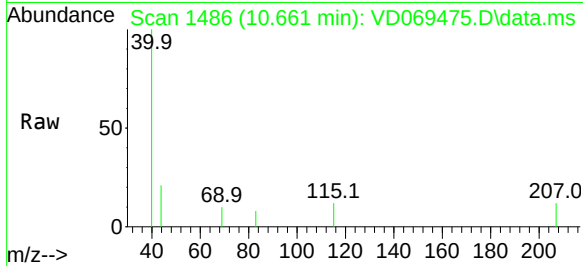




#56
Ethyl methacrylate
Concen: 2.844 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

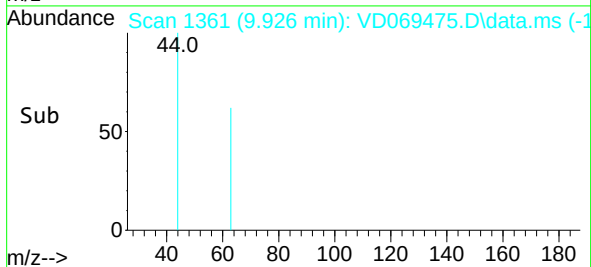
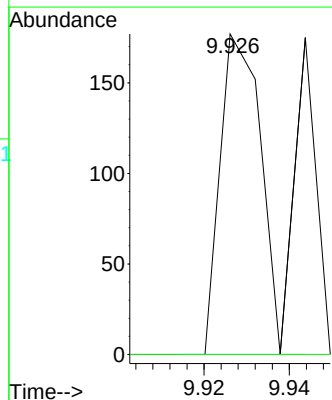
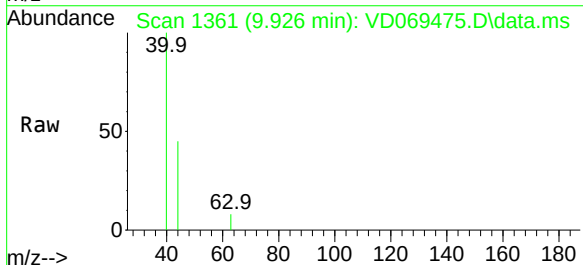
Instrument :
MSVOA_D
ClientSampleId :

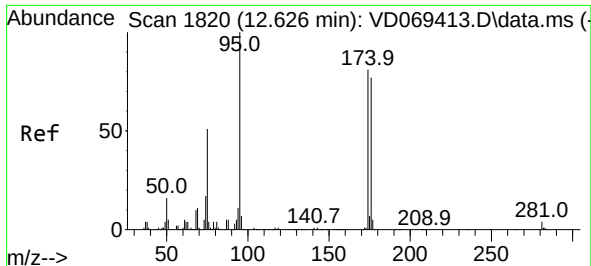
Tgt Ion:	69	Resp:	78
Ion	Ratio	Lower	Upper
69	100		
41	0.0	45.4	68.2#
39	0.0	21.7	32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.000 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion:	63	Resp:	116
Ion	Ratio	Lower	Upper
63	100		
106	0.0	24.8	37.2#

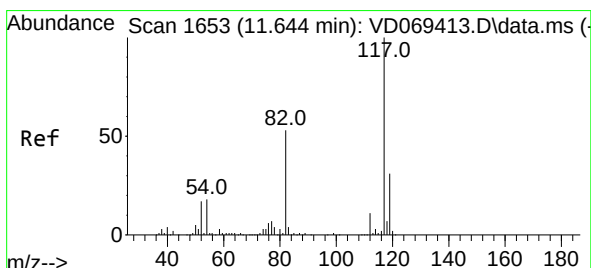
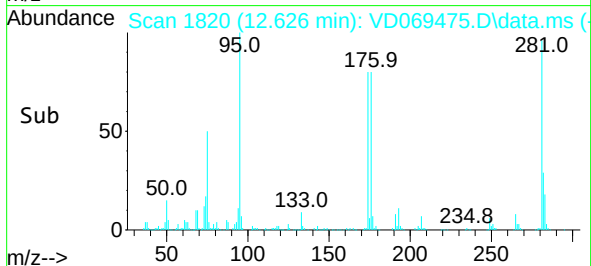
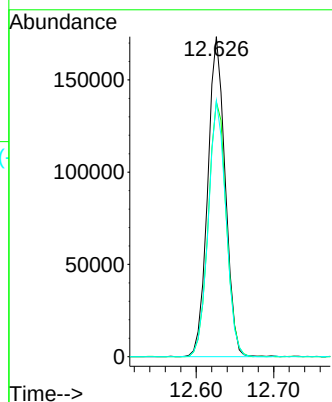
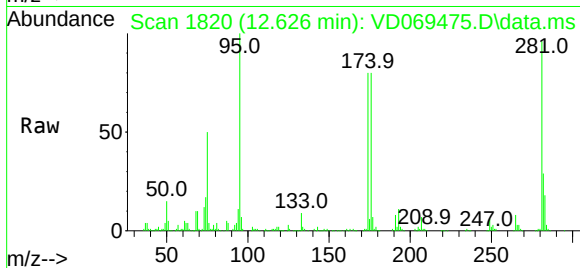




#62
4-Bromofluorobenzene
Concen: 56.249 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

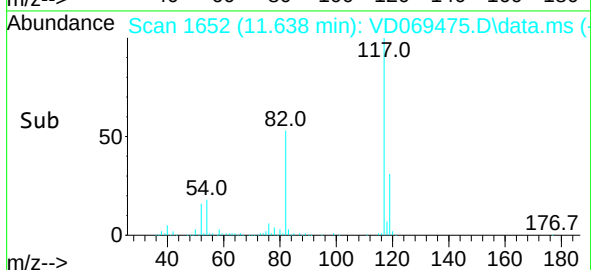
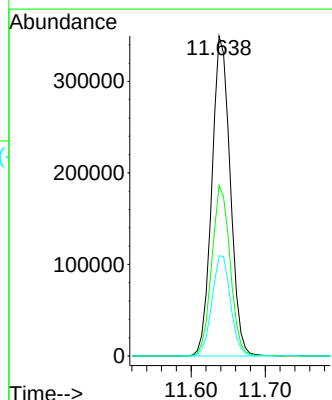
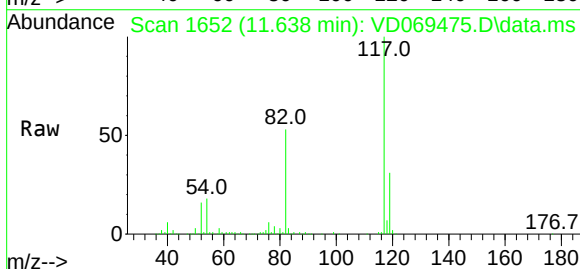
Instrument :
MSVOA_D
ClientSampleId :

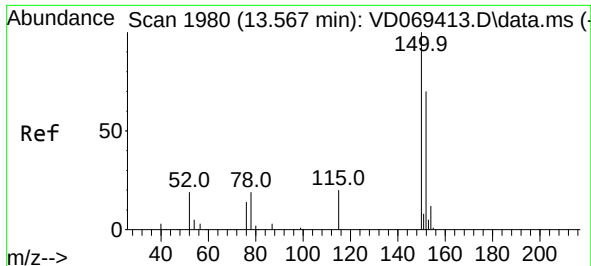
Tgt Ion: 95 Resp: 271765
Ion Ratio Lower Upper
95 100
174 81.9 0.0 162.8
176 80.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069475.D
Acq: 17 Jun 2021 12:59

Tgt Ion: 117 Resp: 601053
Ion Ratio Lower Upper
117 100
82 53.2 43.3 64.9
119 31.3 25.3 37.9

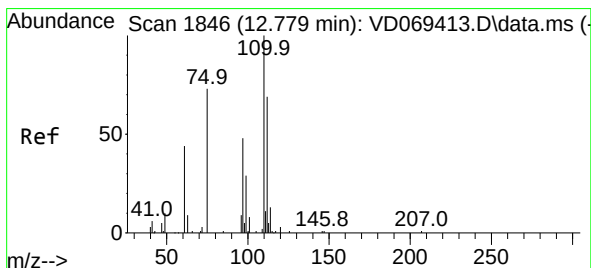
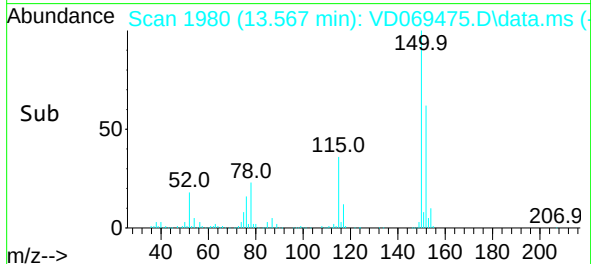
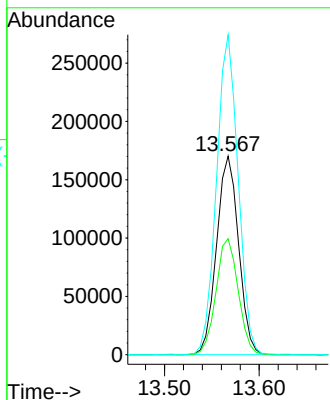
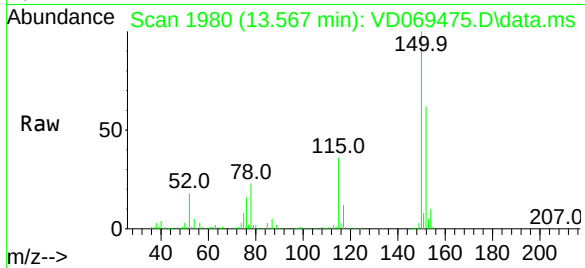




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069475.D
 Acq: 17 Jun 2021 12:59

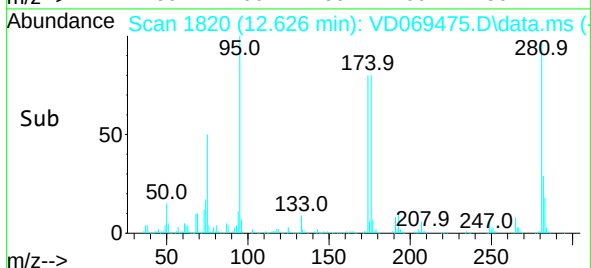
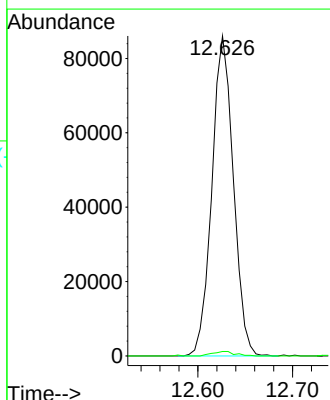
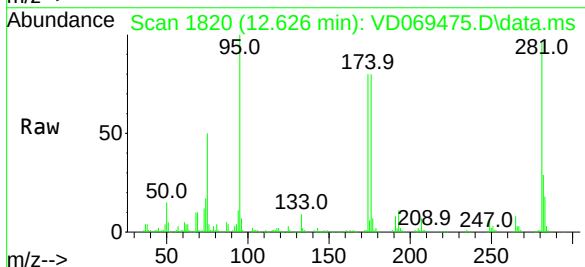
Instrument :
 MSVOA_D
 ClientSampleId :

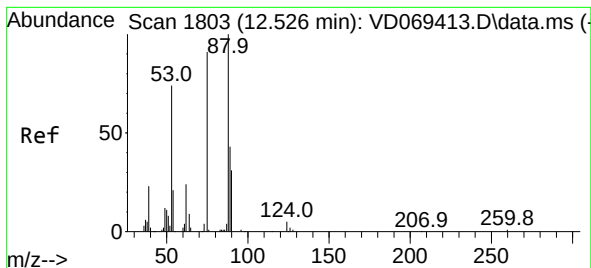
Tgt Ion:152 Resp: 275104
 Ion Ratio Lower Upper
 152 100
 115 58.9 29.4 88.3
 150 158.5 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 48.614 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069475.D
 Acq: 17 Jun 2021 12:59

Tgt Ion: 75 Resp: 135588
 Ion Ratio Lower Upper
 75 100
 77 1.5 183.8 551.2#

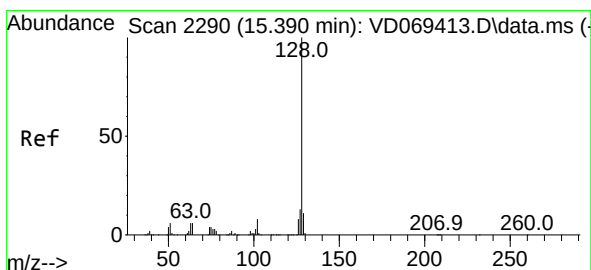
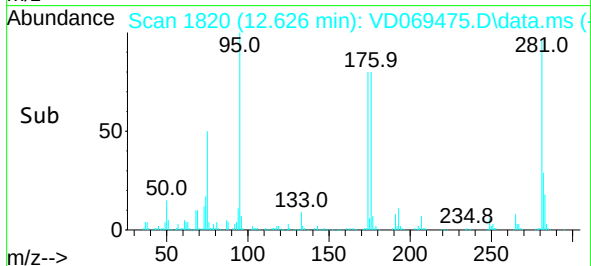
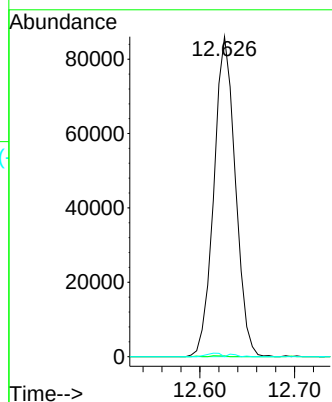
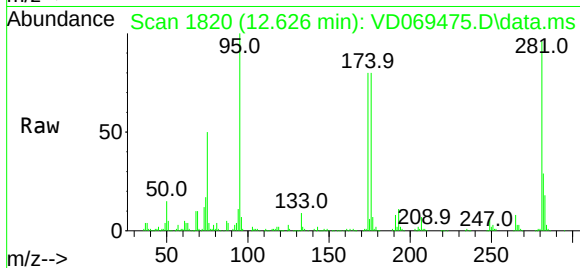




#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.689 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.100 min
 Lab File: VD069475.D
 Acq: 17 Jun 2021 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 135588
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.7 35.6 53.4#



#95
 Naphthalene
 Concen: 3.669 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.005 min
 Lab File: VD069475.D
 Acq: 17 Jun 2021 12:59

Tgt Ion: 128 Resp: 1011
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 6.2 8.8 13.2#

