

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069224.D
 Acq On : 20 May 2021 17:49
 Operator : VA/SY
 Sample : M2469-02RE
 Misc : 6.32G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 00:55:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

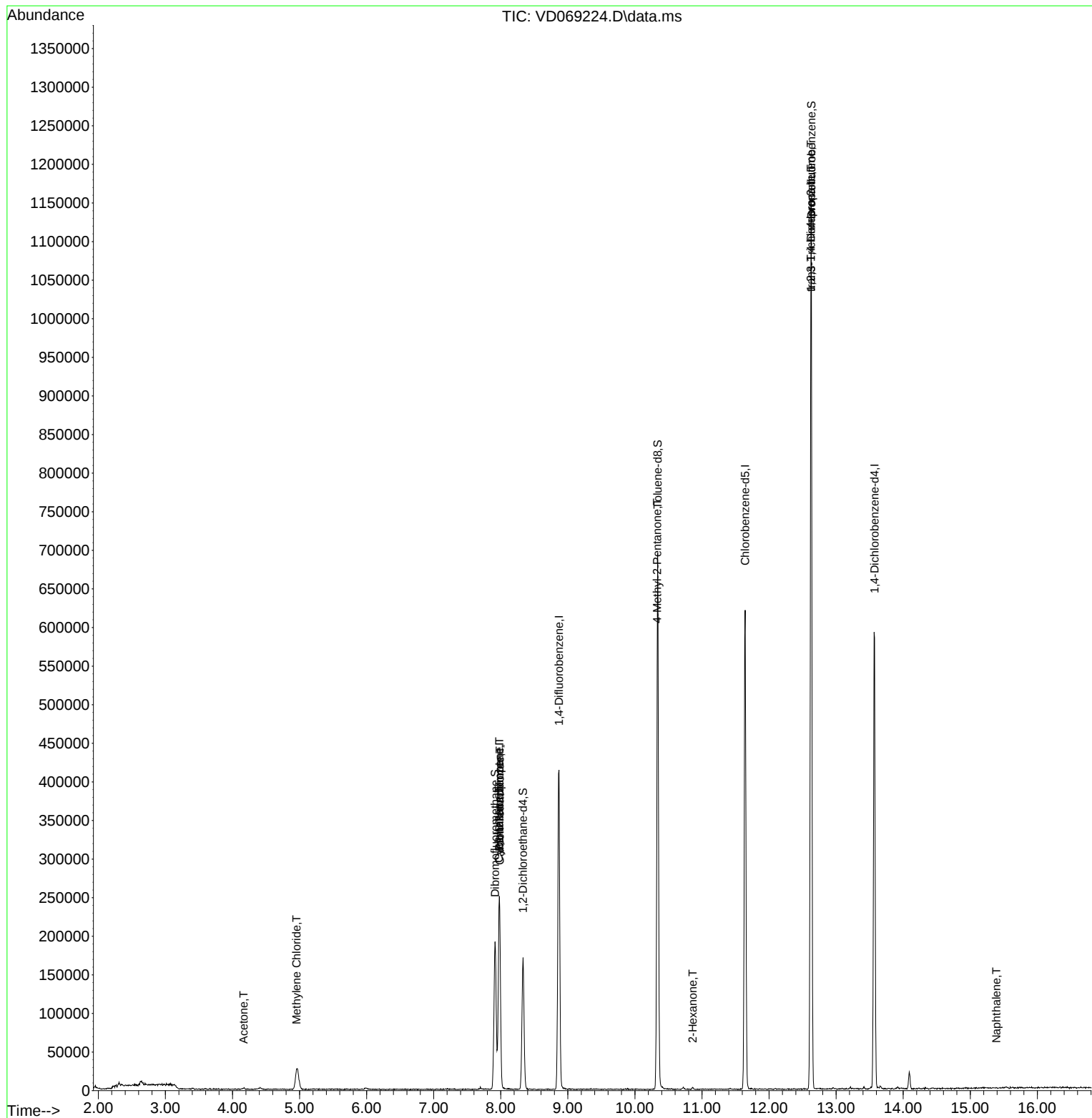
Internal Standards						
1) Pentafluorobenzene	7.979	168	179324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	357193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	373963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	162935	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	128388	71.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.84%			
35) Dibromofluoromethane	7.914	113	133857	57.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.18%			
50) Toluene-d8	10.338	98	463497	54.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.54%			
62) 4-Bromofluorobenzene	12.632	95	165752	60.31	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.62%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	393	Below Cal	#	73
16) Acetone	4.167	43	2399	8.71	ug/l	97
20) Methylene Chloride	4.956	84	24544	2.29	ug/l #	91
31) Cyclohexane	7.973	56	4438	1.67	ug/l #	56
36) 1,1-Dichloropropene	7.979	75	15188	4.37	ug/l #	46
38) Carbon Tetrachloride	7.985	117	18930	4.88	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	1741	1.67	ug/l #	1
59) 2-Hexanone	10.861	43	698	1.00	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	89349	72.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	89349	147.35	ug/l #	15
95) Naphthalene	15.390	128	71	2.06	ug/l #	69

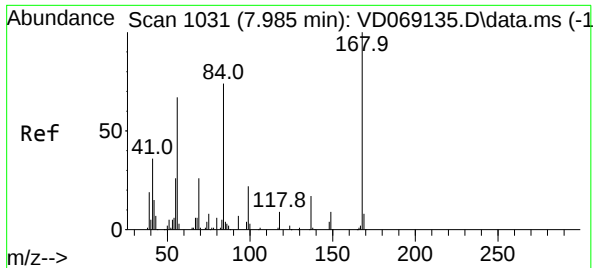
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: May 21 00:55:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

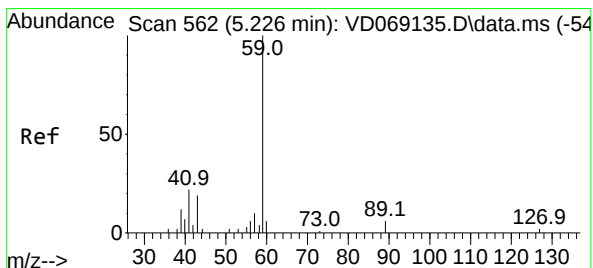
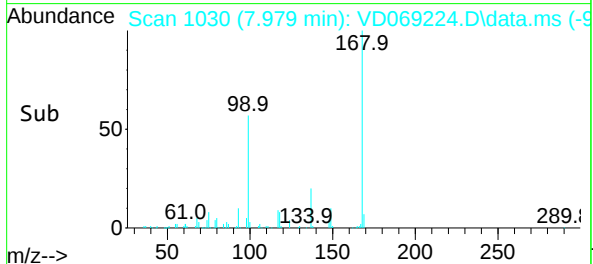
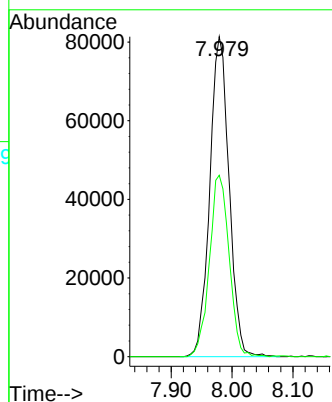
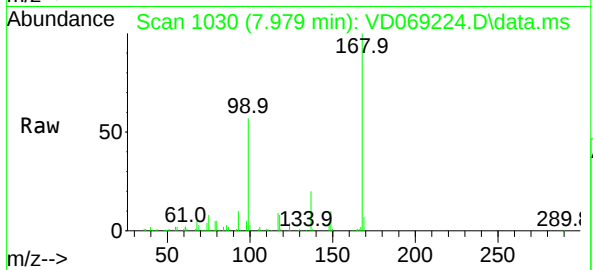




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

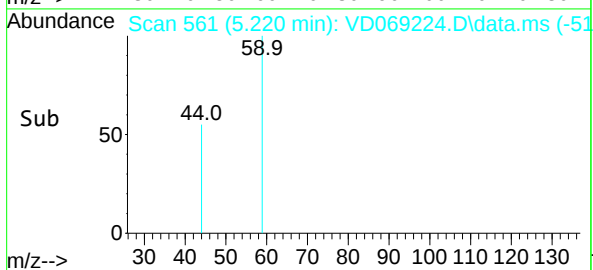
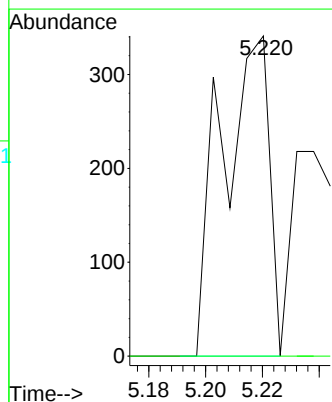
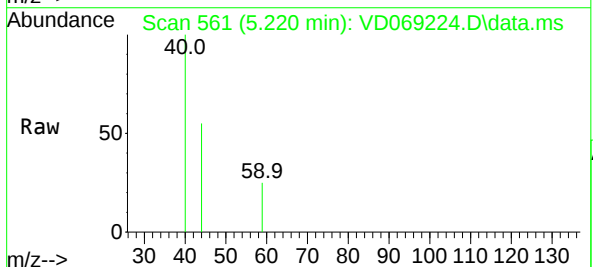
Instrument :
MSVOA_D
ClientSampled :

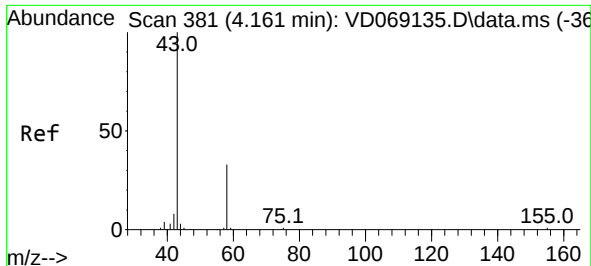
Tgt Ion:168 Resp: 179324
Ion Ratio Lower Upper
168 100
99 56.7 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

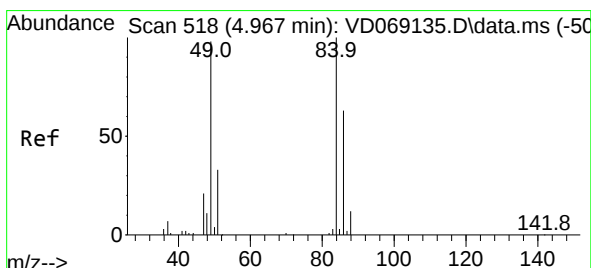
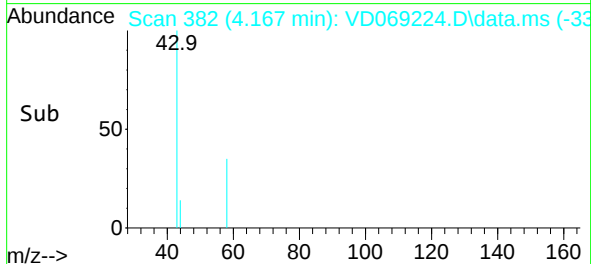
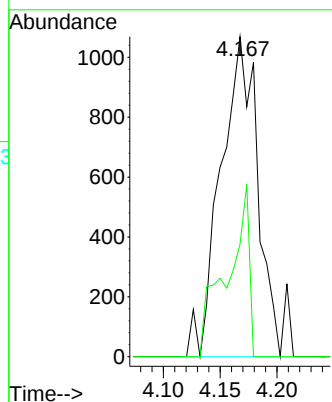
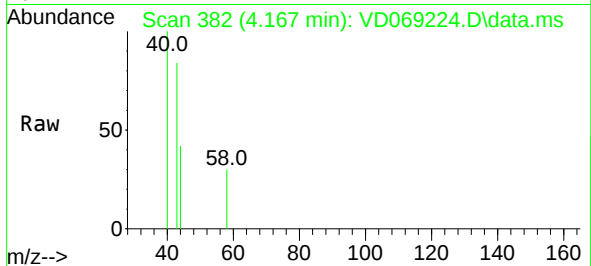




#16
Acetone
Concen: 8.71 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

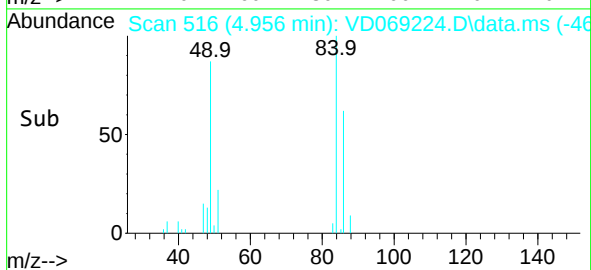
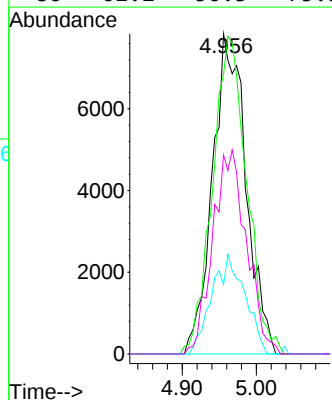
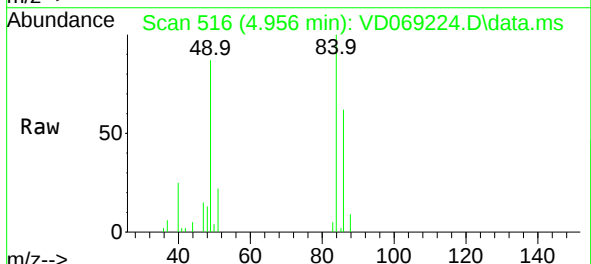
Instrument :
MSVOA_D
ClientSampleId :

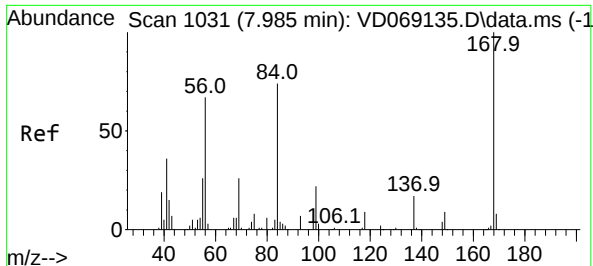
Tgt Ion: 43 Resp: 2399
Ion Ratio Lower Upper
43 100
58 35.2 26.7 40.1



#20
Methylene Chloride
Concen: 2.29 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 84 Resp: 24544
Ion Ratio Lower Upper
84 100
49 87.4 78.6 117.8
51 21.7 26.7 40.1#
86 62.2 50.3 75.5

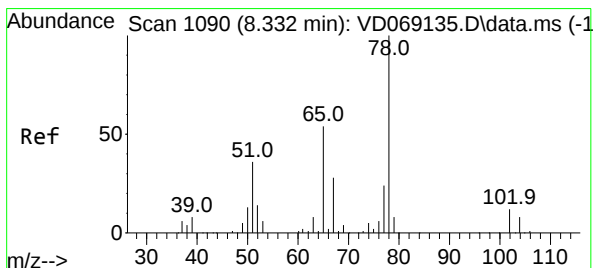
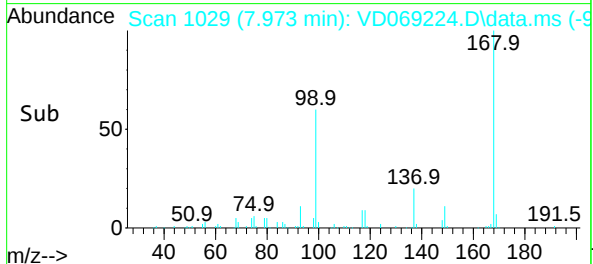
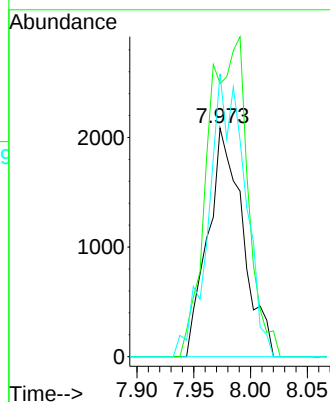
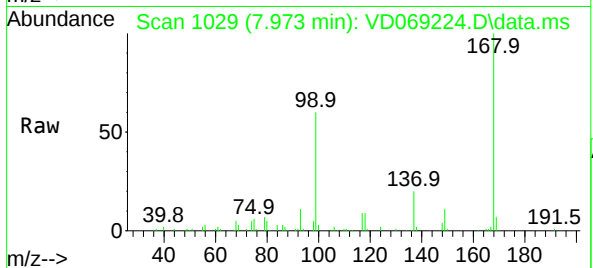




#31
Cyclohexane
Concen: 1.67 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

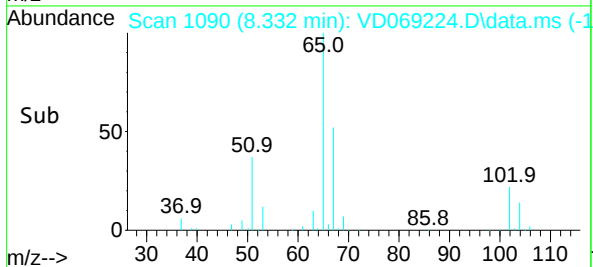
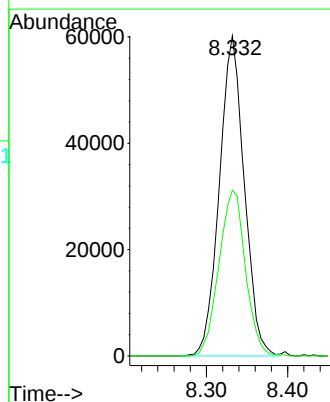
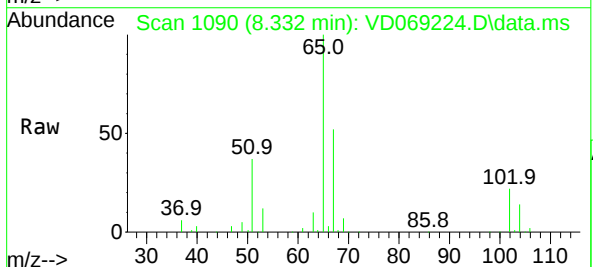
Instrument :
MSVOA_D
ClientSampled :

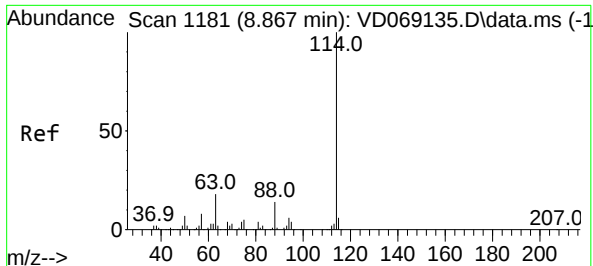
Tgt Ion: 56 Resp: 4438
Ion Ratio Lower Upper
56 100
69 119.4 30.6 46.0#
84 123.7 88.0 132.0



#33
1,2-Dichloroethane-d4
Concen: 71.42 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 65 Resp: 128388
Ion Ratio Lower Upper
65 100
67 55.1 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069224.D

Acq: 20 May 2021 17:49

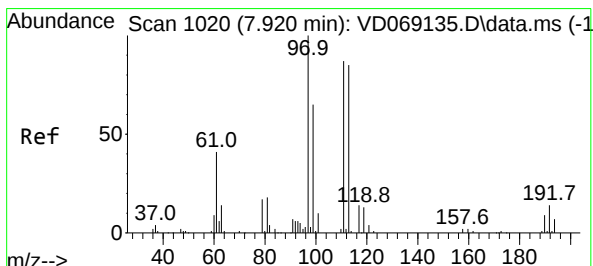
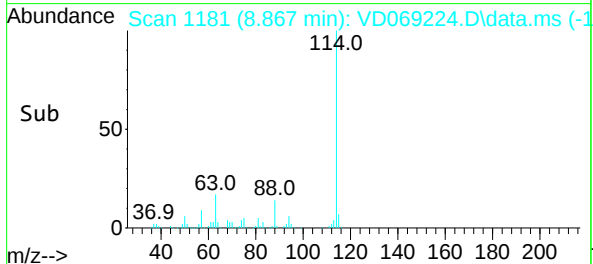
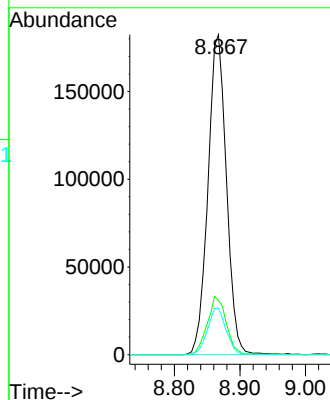
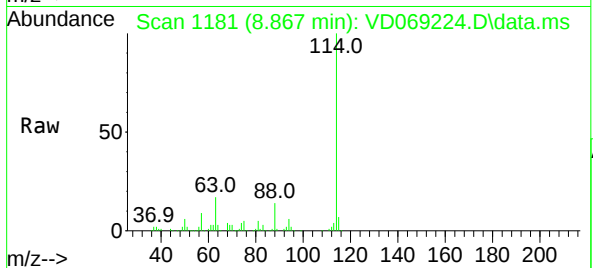
Tgt Ion:114 Resp: 357193

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 57.59 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069224.D

Acq: 20 May 2021 17:49

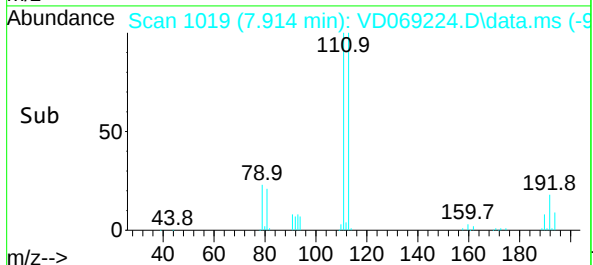
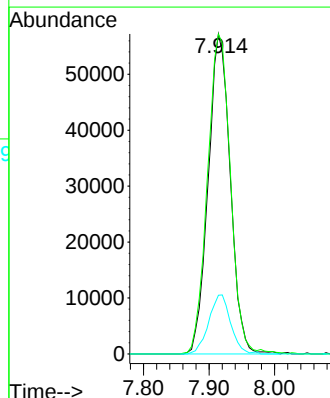
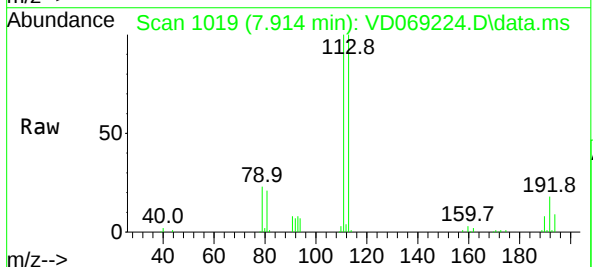
Tgt Ion:113 Resp: 133857

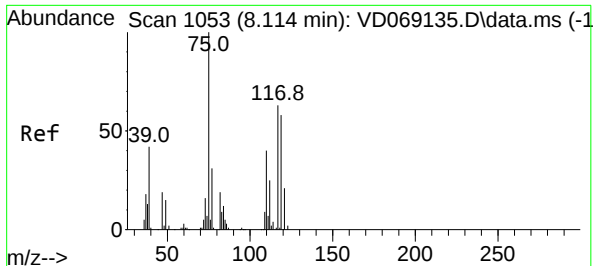
Ion Ratio Lower Upper

113 100

111 104.0 80.6 120.8

192 18.3 14.8 22.2

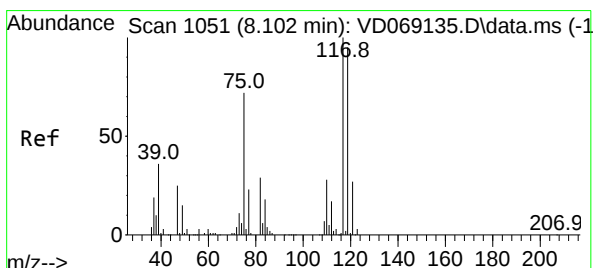
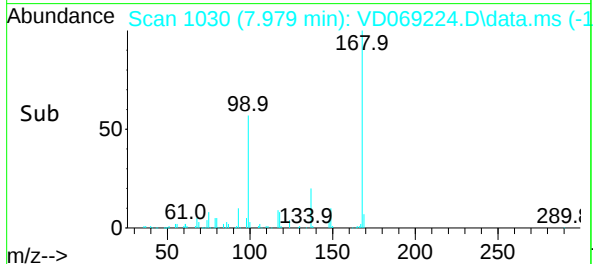
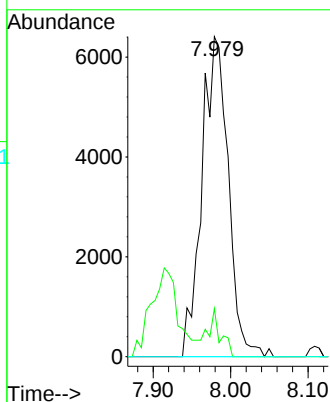
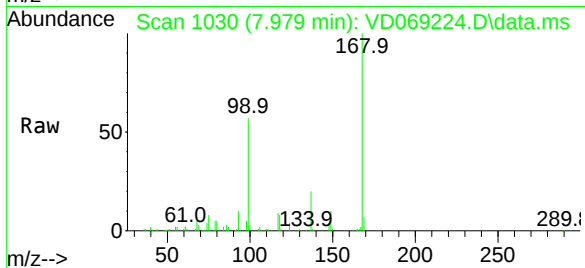




#36
1,1-Dichloropropene
Concen: 4.37 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

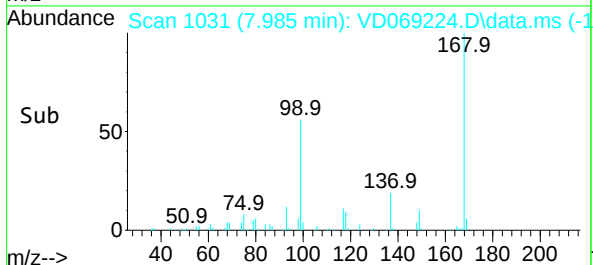
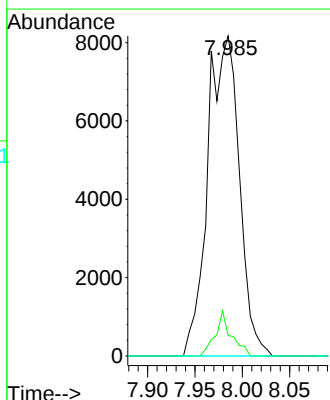
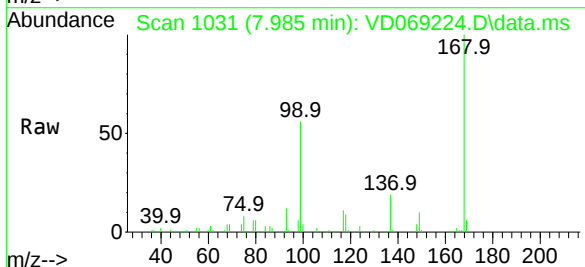
Instrument :
MSVOA_D
ClientSampled :

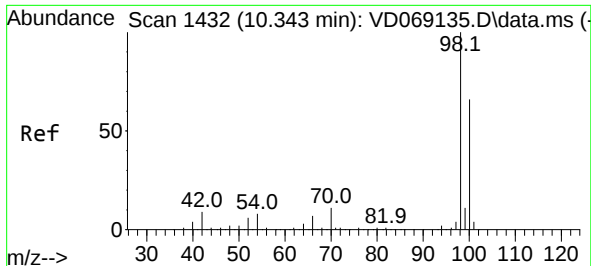
Tgt Ion: 75 Resp: 15188
Ion Ratio Lower Upper
75 100
110 6.9 18.8 56.4#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 4.88 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 117 Resp: 18930
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 21.9 32.9#

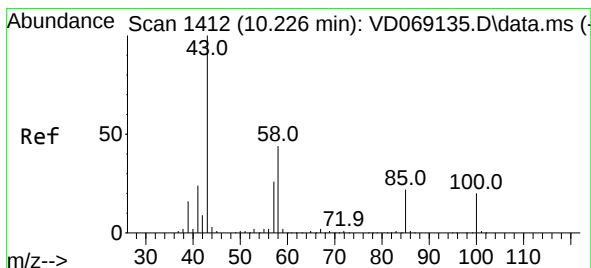
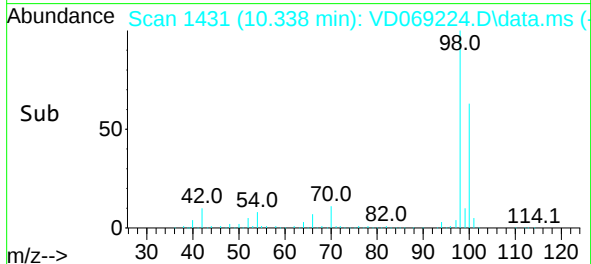
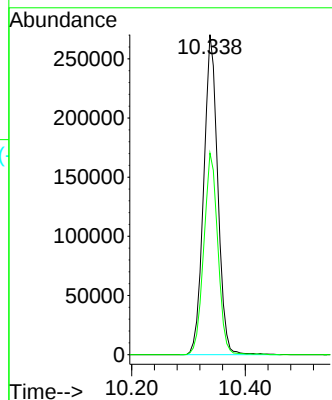
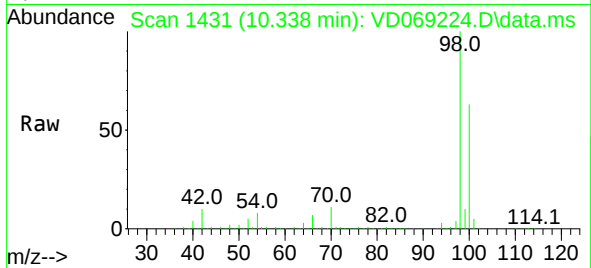




#50
Toluene-d8
Concen: 54.27 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

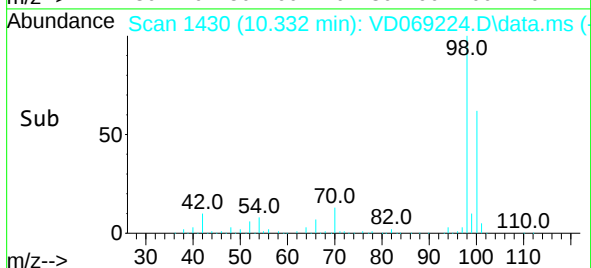
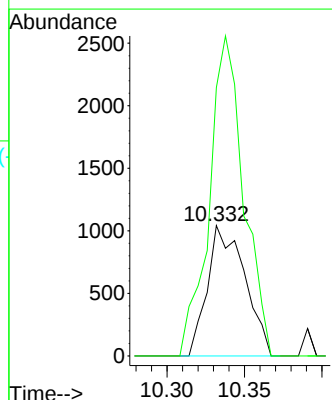
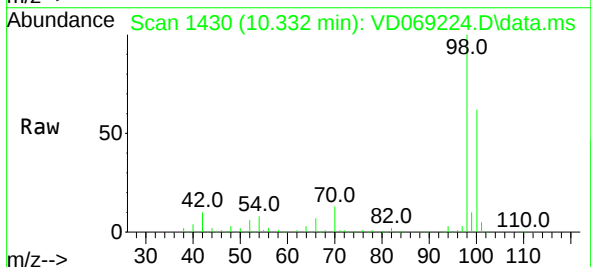
Instrument :
MSVOA_D
ClientSampleId :

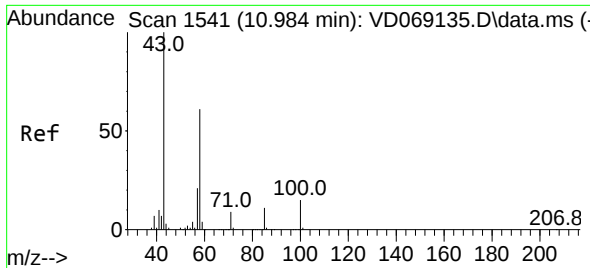
Tgt Ion: 98 Resp: 463497
Ion Ratio Lower Upper
98 100
100 63.0 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.67 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
58 226.6 35.0 52.4#

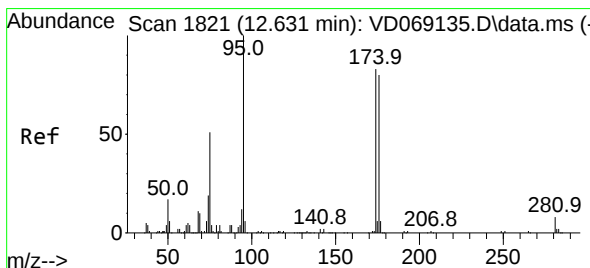
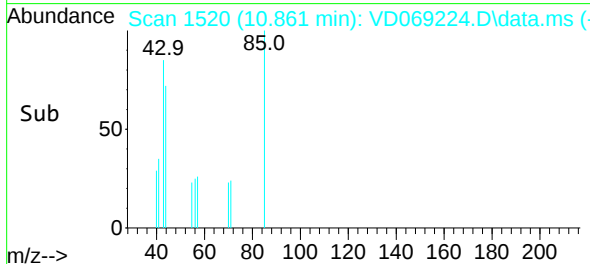
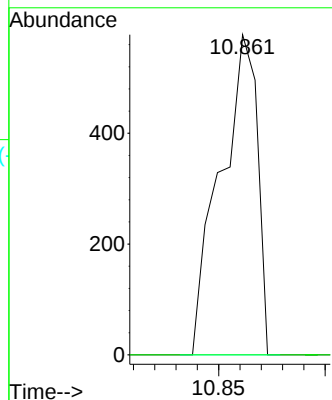
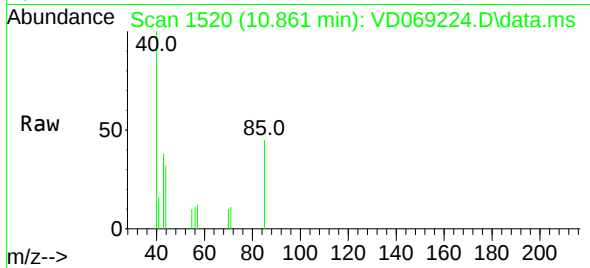




#59
2-Hexanone
Concen: 1.00 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. -0.123 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

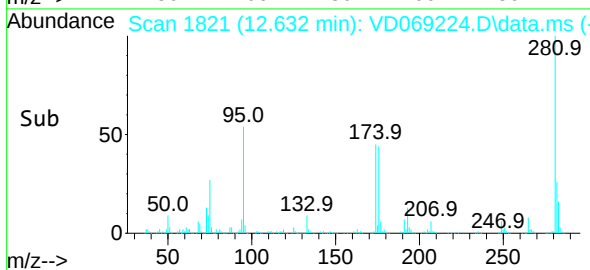
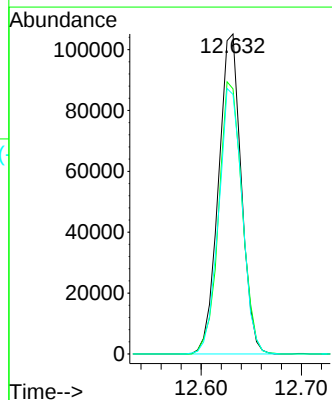
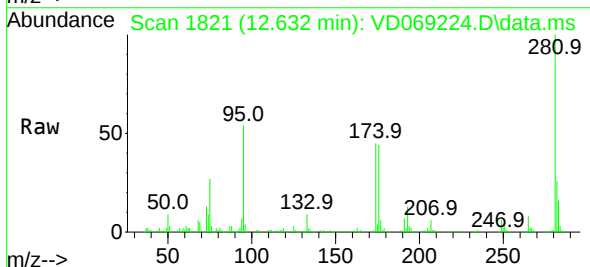
Instrument :
MSVOA_D
ClientSampled :

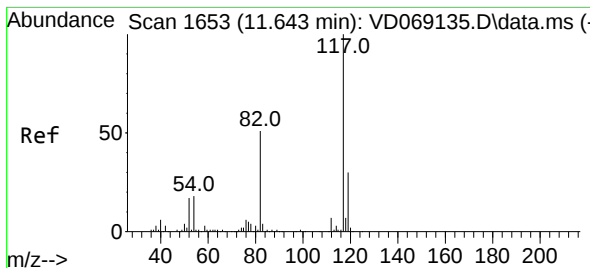
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#



#62
4-Bromofluorobenzene
Concen: 60.31 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion: 95 Resp: 165752
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.8
176 85.5 0.0 165.4

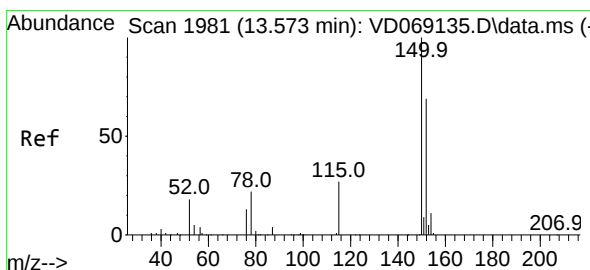
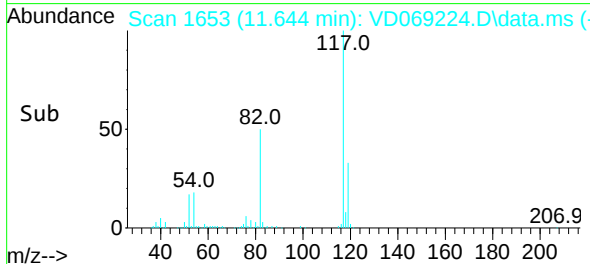
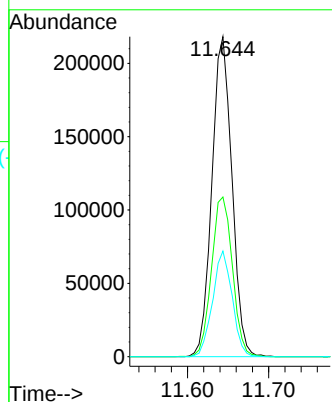
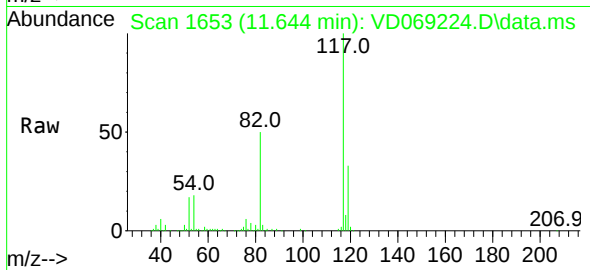




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

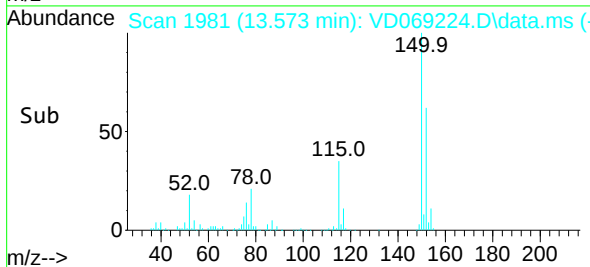
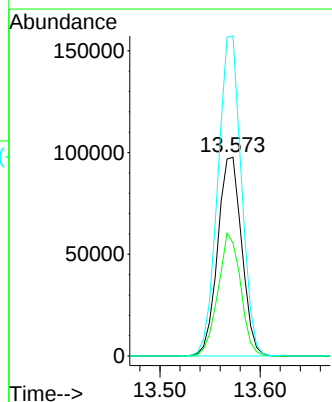
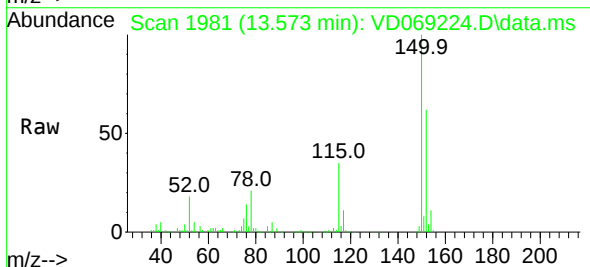
Instrument :
MSVOA_D
ClientSampleId :

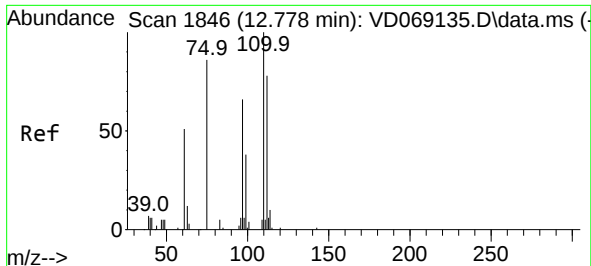
Tgt Ion:117 Resp: 373963
Ion Ratio Lower Upper
117 100
82 49.9 40.5 60.7
119 33.0 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Tgt Ion:152 Resp: 162935
Ion Ratio Lower Upper
152 100
115 57.8 29.9 89.8
150 157.6 0.0 350.2

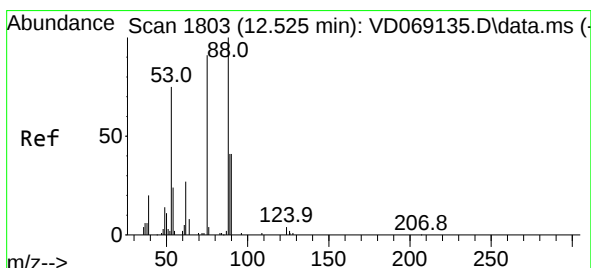
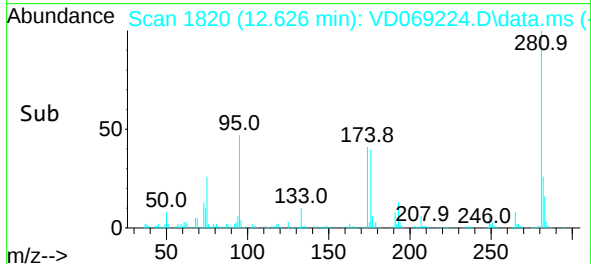
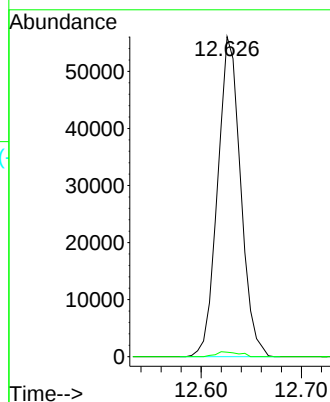
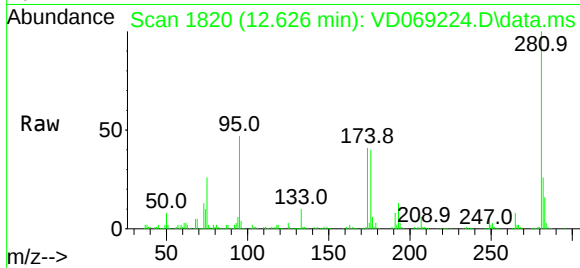




#76
1,2,3-Trichloropropane
Concen: 72.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

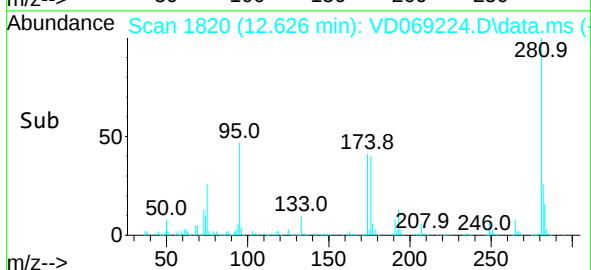
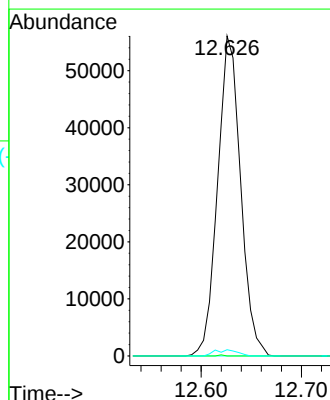
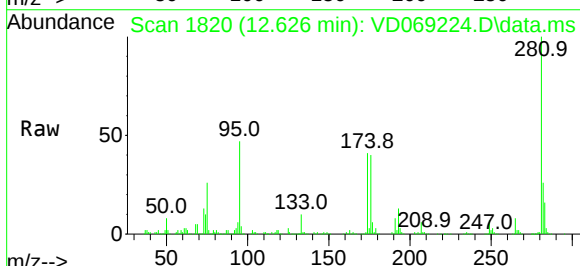
Instrument :
MSVOA_D
ClientSampleId :

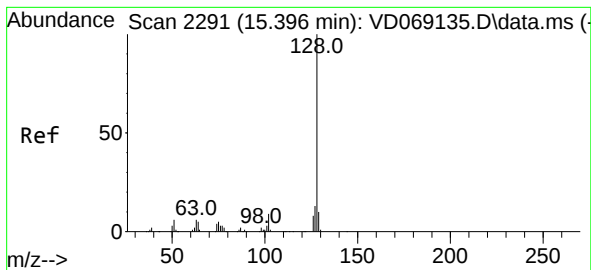
Tgt Ion: 75 Resp: 89349
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.35 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

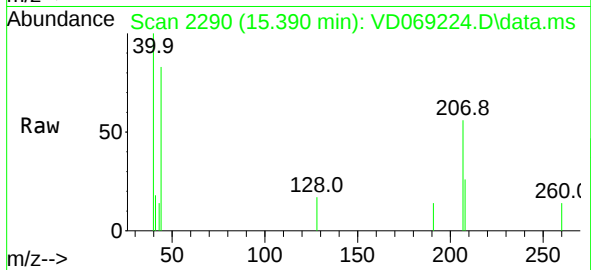
Tgt Ion: 75 Resp: 89349
Ion Ratio Lower Upper
75 100
53 0.1 70.0 105.0#
89 1.9 40.2 60.2#





#95
Naphthalene
Concen: 2.06 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069224.D
Acq: 20 May 2021 17:49

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

