

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD069001.D
 Acq On : 28 Apr 2021 13:46
 Operator : VA/SY
 Sample : M2191-01
 Misc : 6.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 29 06:31:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	290415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	500555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	597911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	303500	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	125340	40.84	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.68%
35) Dibromofluoromethane	7.914	113	156335	48.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.04%
50) Toluene-d8	10.338	98	641708	52.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.50%
62) 4-Bromofluorobenzene	12.632	95	276131	67.69	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	135.38%

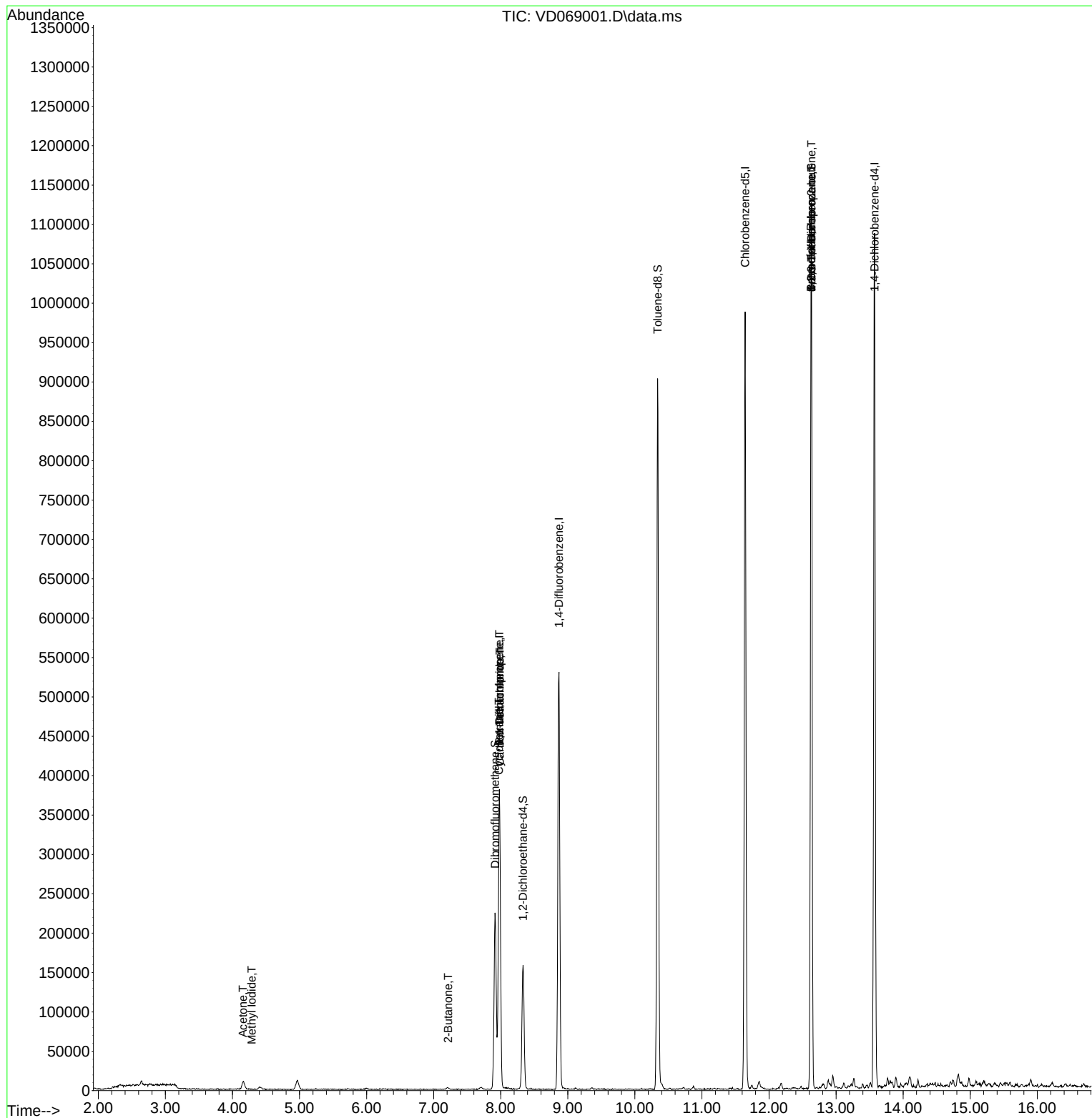
Target Compounds						Qvalue
10) Methyl Iodide	4.285	142	256	2.32	ug/l #	41
16) Acetone	4.156	43	17563	41.32	ug/l #	78
20) Methylene Chloride	4.956	84	9897	Below Cal	#	80
25) 2-Butanone	7.214	43	1376	2.29	ug/l #	39
31) Cyclohexane	7.973	56	6365	1.25	ug/l #	35
36) 1,1-Dichloropropene	7.979	75	20361	4.02	ug/l #	50
38) Carbon Tetrachloride	7.985	117	28318	5.65	ug/l #	17
71) Bromoform	12.626	173	2519	1.01	ug/l #	29
76) 1,2,3-Trichloropropane	12.632	75	139206	50.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	139206	116.52	ug/l #	16

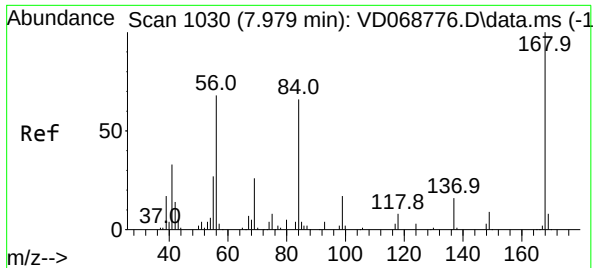
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

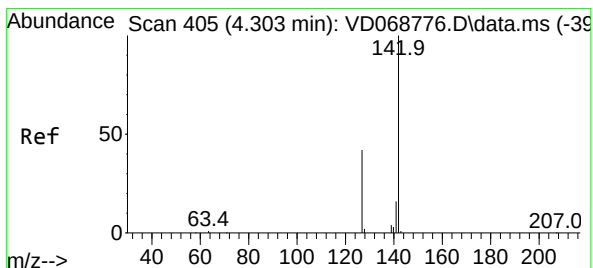
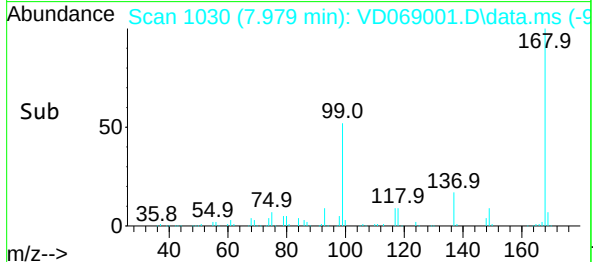
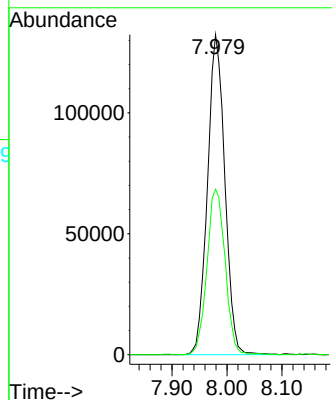
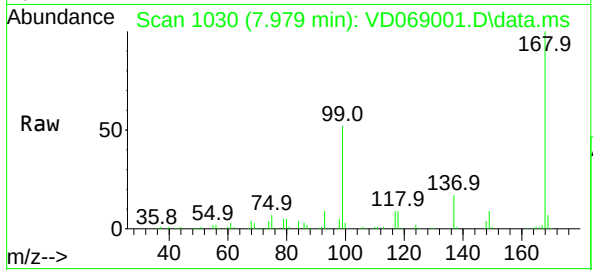




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

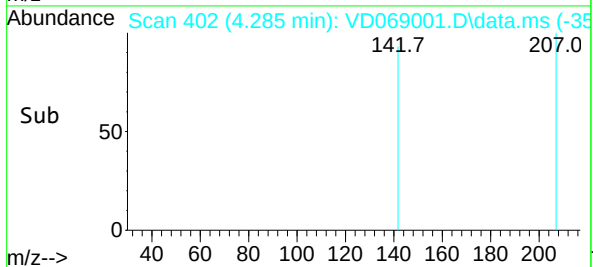
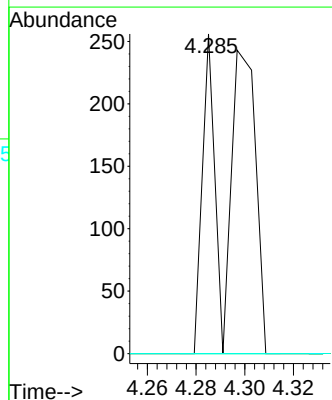
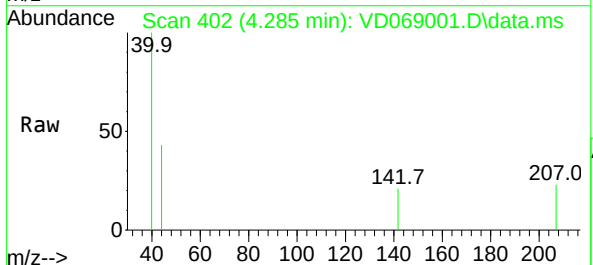
Instrument :
MSVOA_D
ClientSampled :

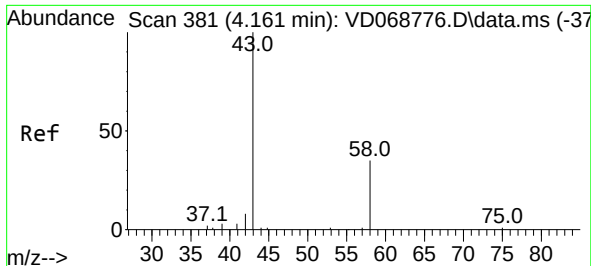
Tgt Ion:168 Resp: 290415
Ion Ratio Lower Upper
168 100
99 51.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.32 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

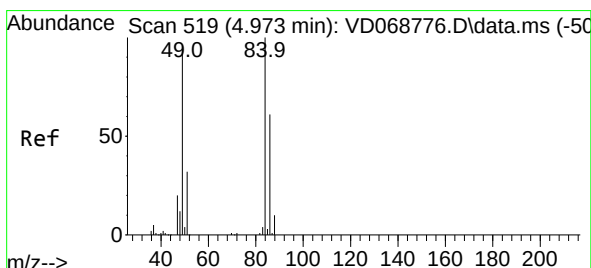
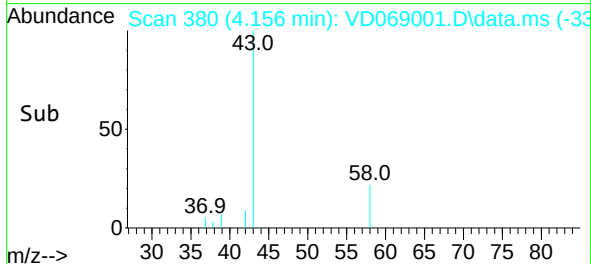
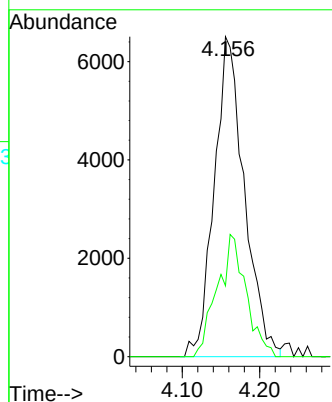
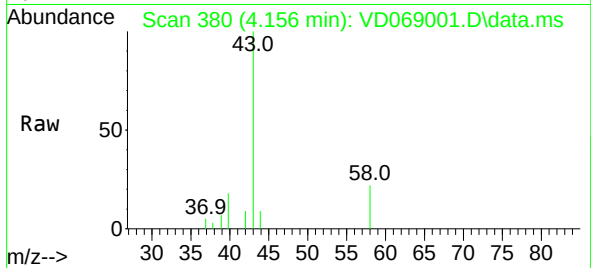




#16
Acetone
Concen: 41.32 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.005 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

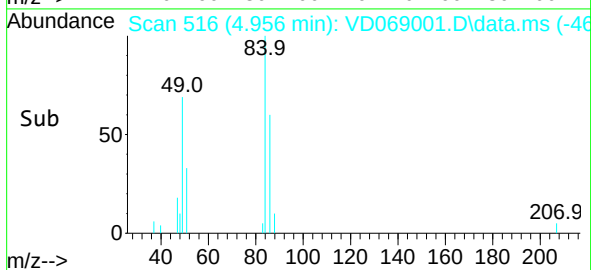
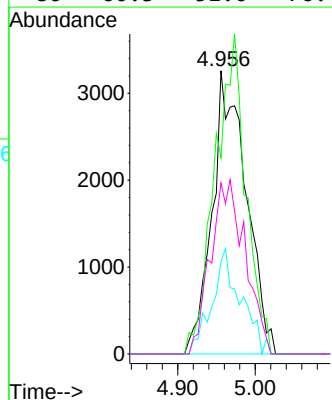
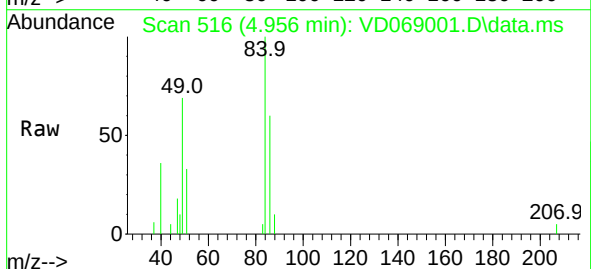
Instrument :
MSVOA_D
ClientSampled :

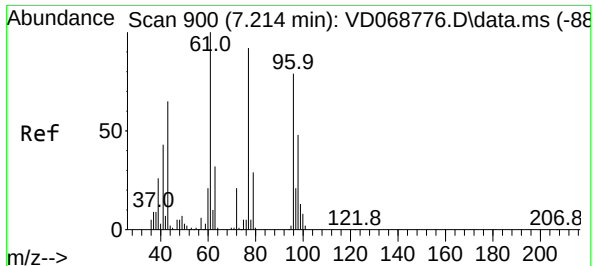
Tgt Ion: 43 Resp: 17563
Ion Ratio Lower Upper
43 100
58 22.2 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.017 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 84 Resp: 9897
Ion Ratio Lower Upper
84 100
49 69.3 83.4 125.0#
51 32.7 23.4 35.2
86 60.3 51.0 76.4

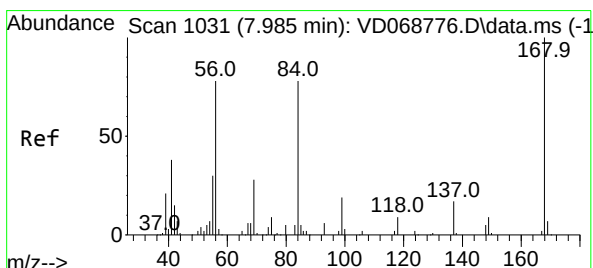
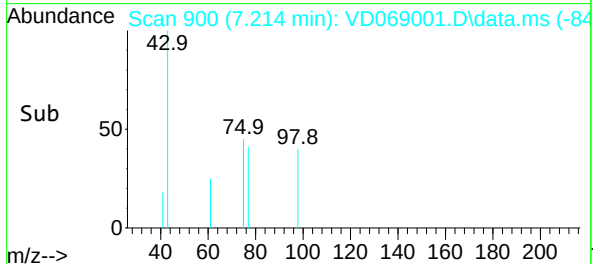
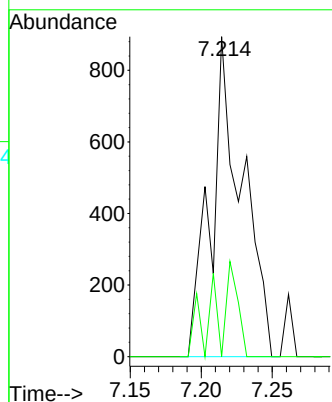
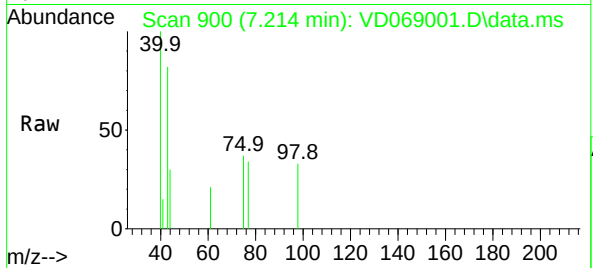




#25
2-Butanone
Concen: 2.29 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

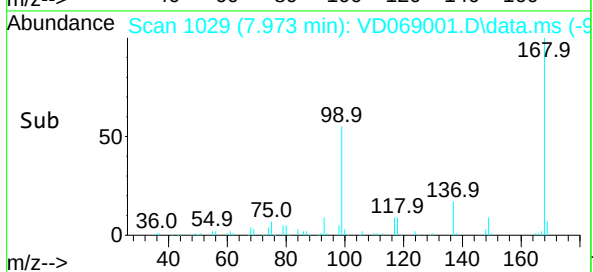
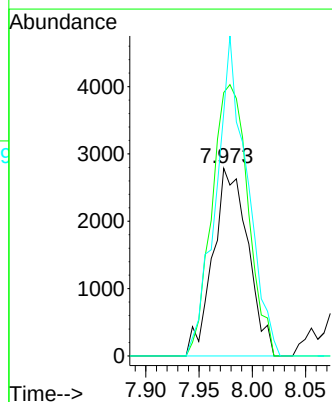
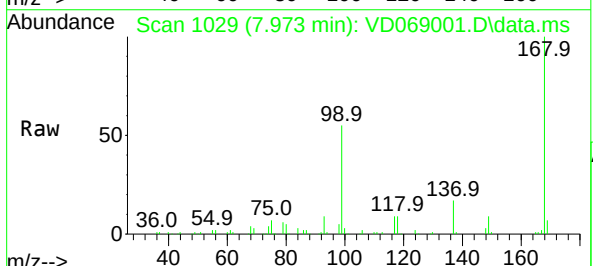
Instrument :
MSVOA_D
ClientSampled :

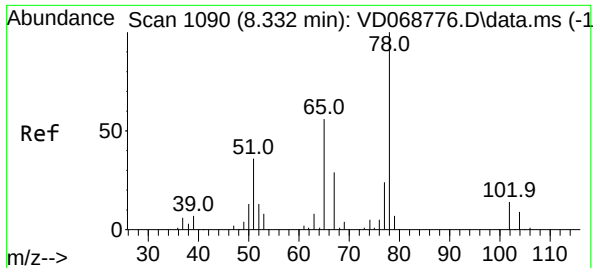
Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.25 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 56 Resp: 6365
Ion Ratio Lower Upper
56 100
69 140.3 30.0 45.0#
84 129.4 82.0 123.0#

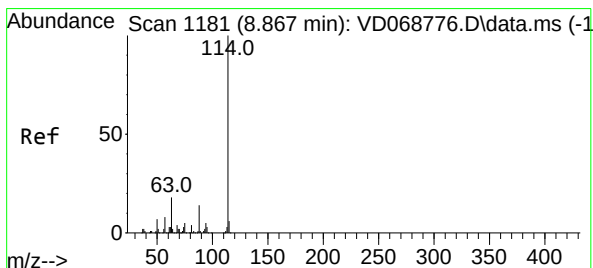
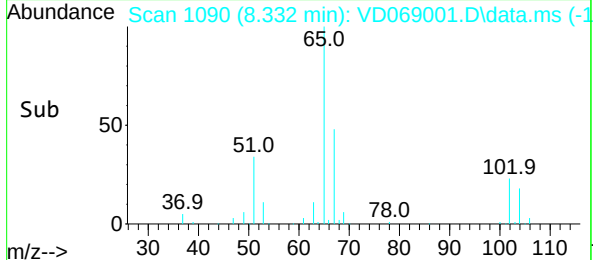
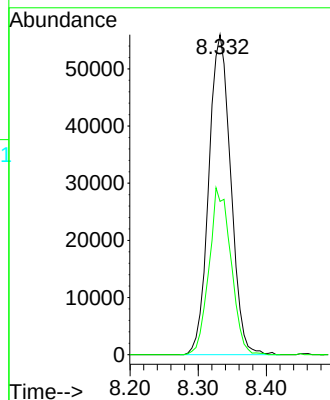
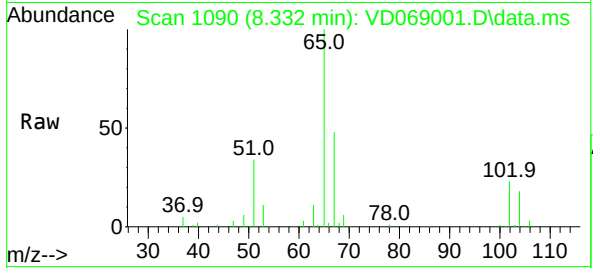




#33
1,2-Dichloroethane-d4
Concen: 40.84 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

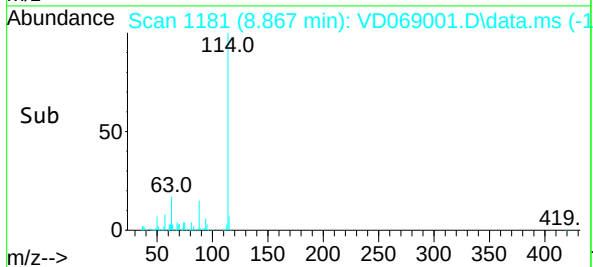
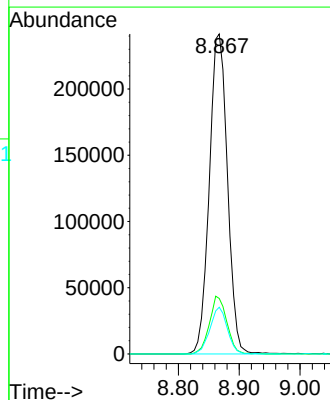
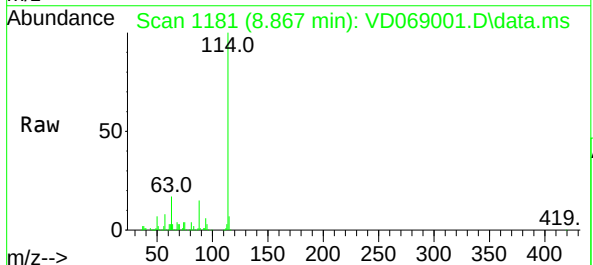
Instrument :
MSVOA_D
ClientSampled :

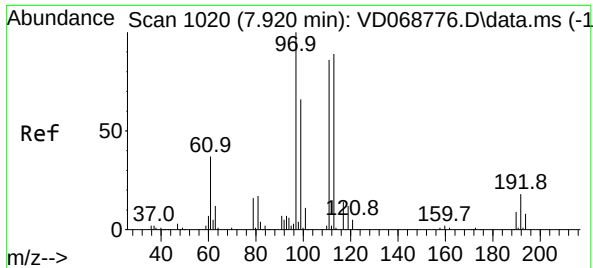
Tgt Ion: 65 Resp: 125340
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 114 Resp: 500555
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.2
88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.02 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069001.D

Acq: 28 Apr 2021 13:46

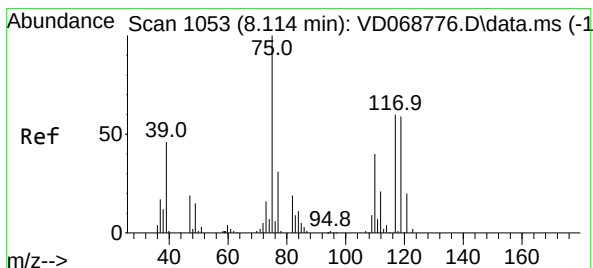
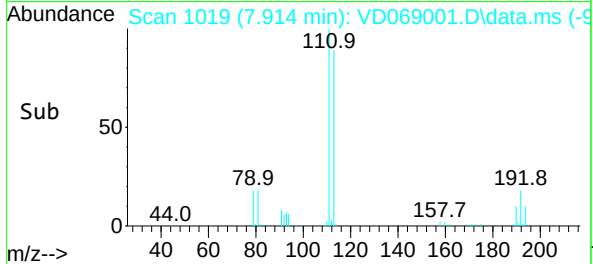
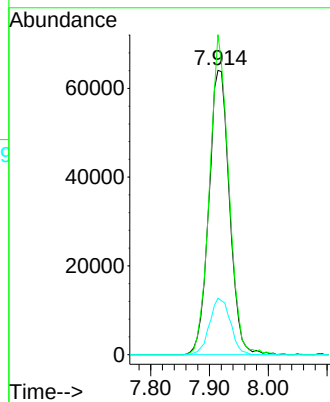
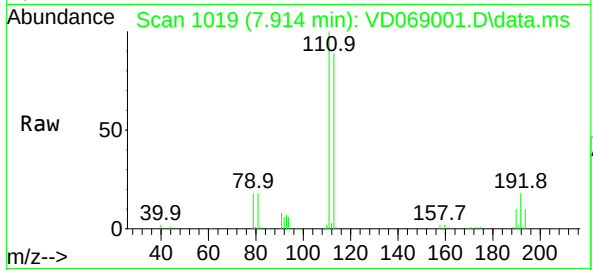
Tgt Ion: 113 Resp: 156335

Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 19.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.02 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069001.D

Acq: 28 Apr 2021 13:46

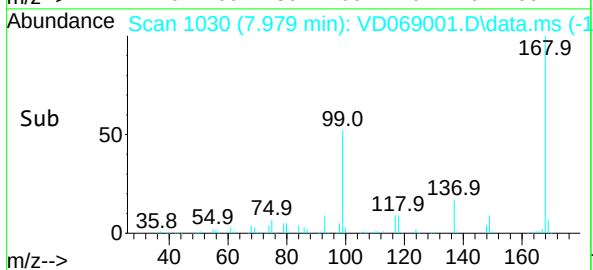
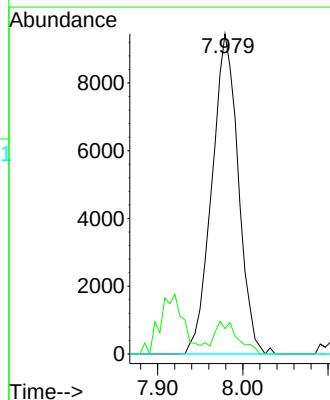
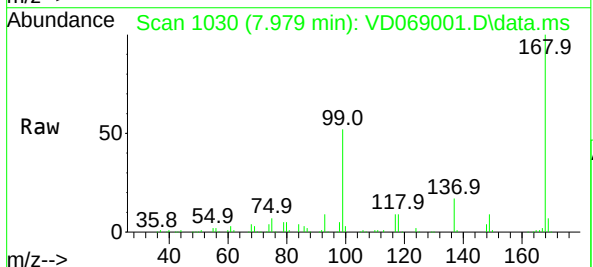
Tgt Ion: 75 Resp: 20361

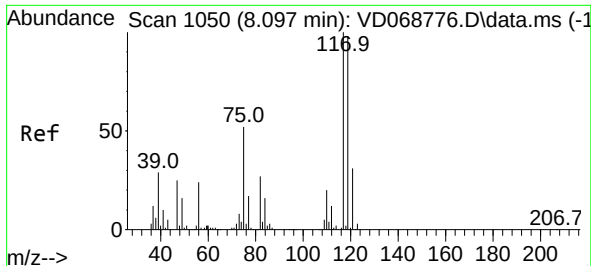
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

77 0.0 24.7 37.1#

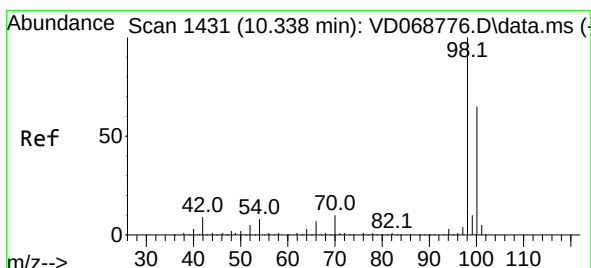
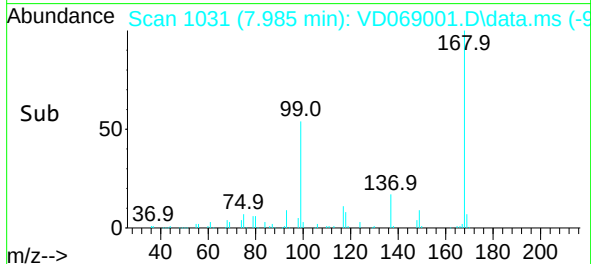
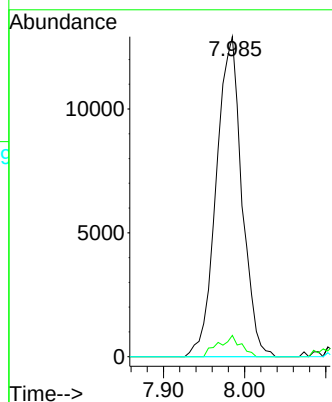
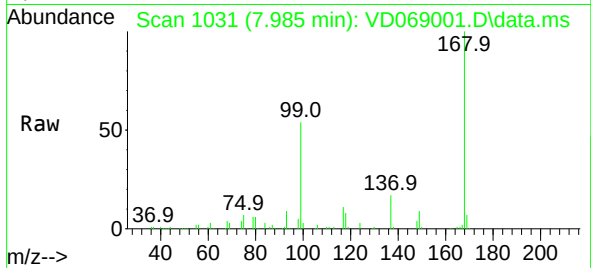




#38
Carbon Tetrachloride
Concen: 5.65 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

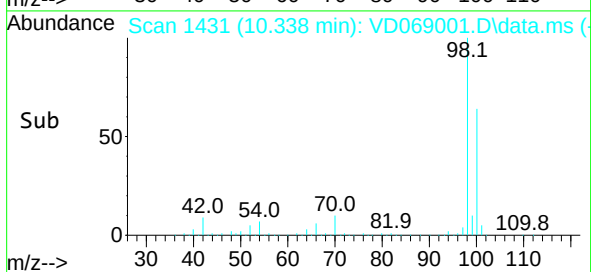
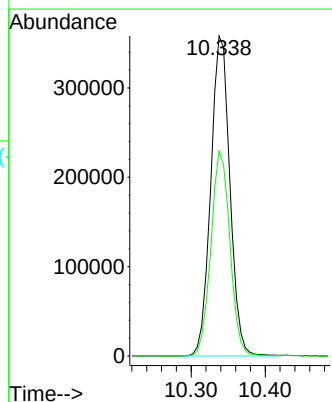
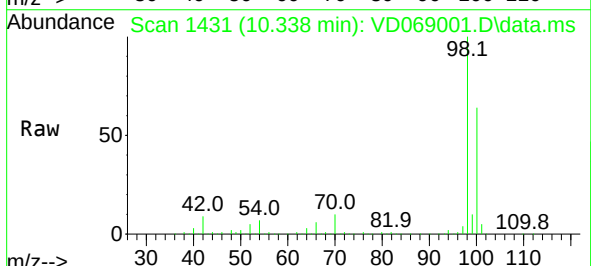
Instrument :
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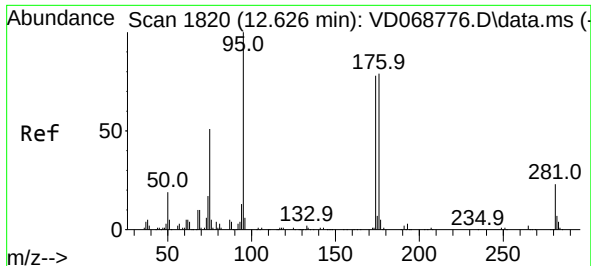
Tgt Ion:117 Resp: 28318
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 52.25 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 98 Resp: 641708
Ion Ratio Lower Upper
98 100
100 63.7 51.8 77.6

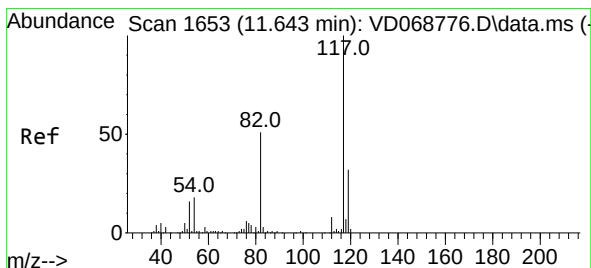
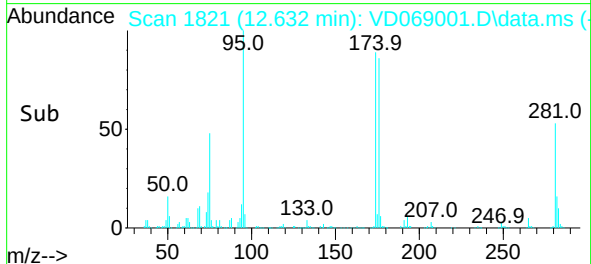
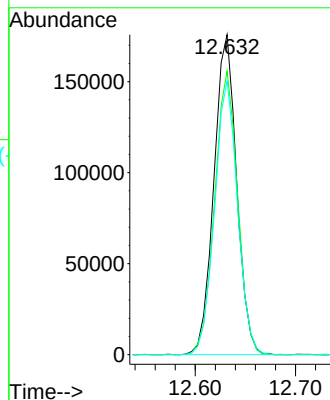
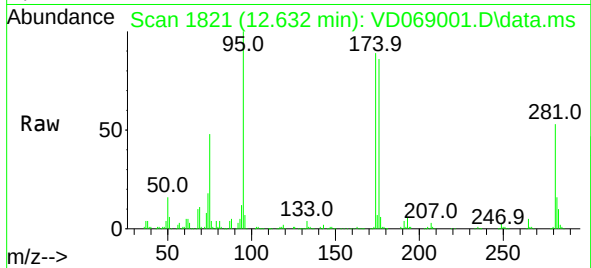




#62
4-Bromofluorobenzene
Concen: 67.69 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

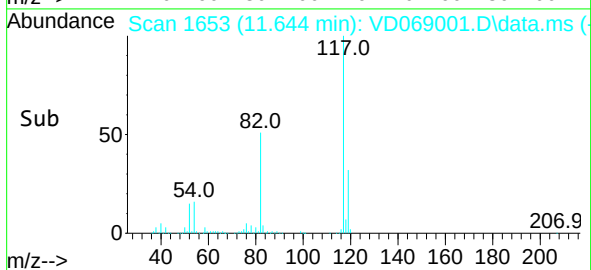
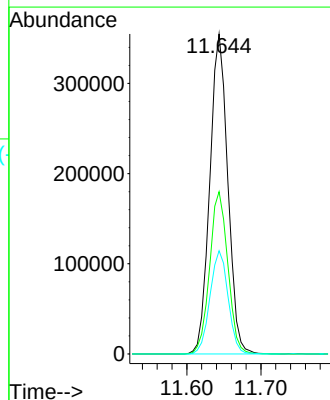
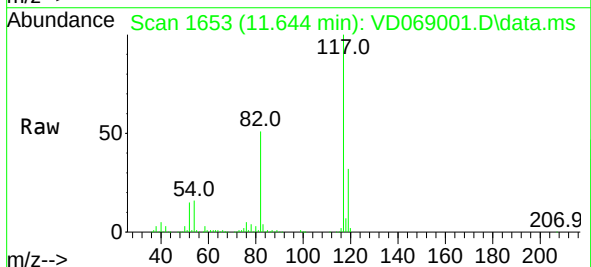
Instrument :
MSVOA_D
ClientSampled :

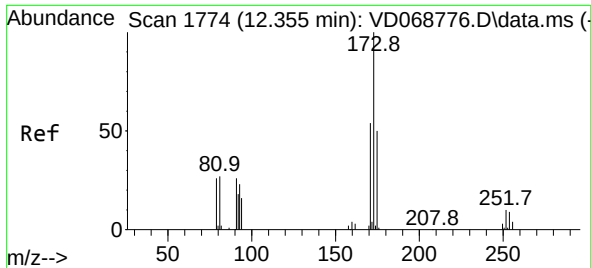
Tgt Ion: 95 Resp: 276131
Ion Ratio Lower Upper
95 100
174 89.9 0.0 168.0
176 86.1 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 117 Resp: 597911
Ion Ratio Lower Upper
117 100
82 50.7 43.5 65.3
119 32.3 26.7 40.1

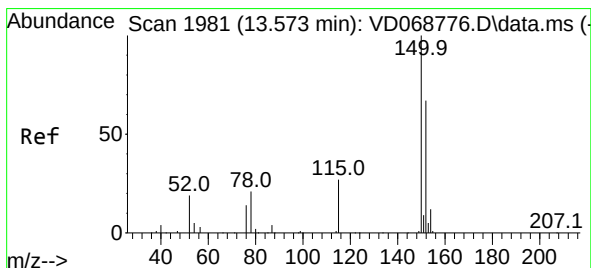
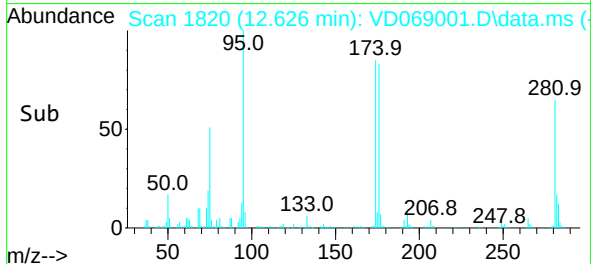
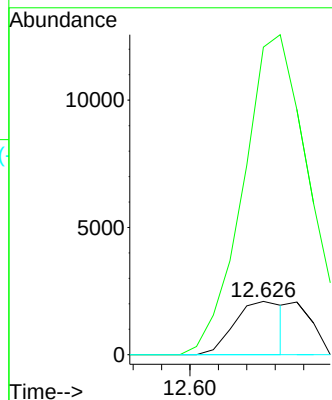
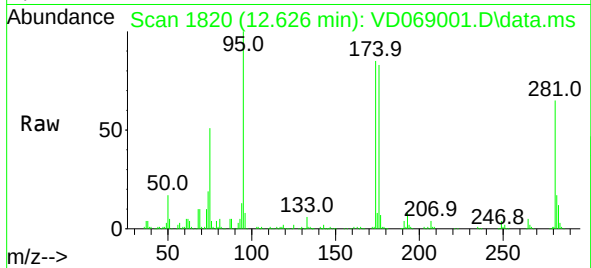




#71
Bromoform
Concen: 1.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

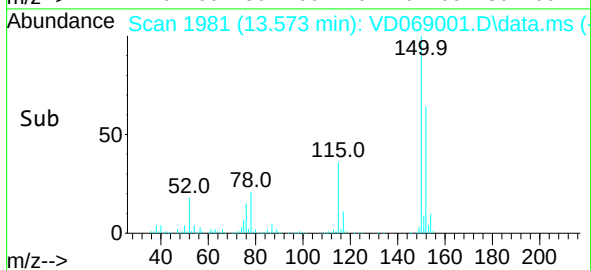
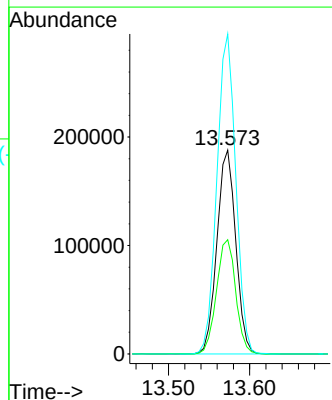
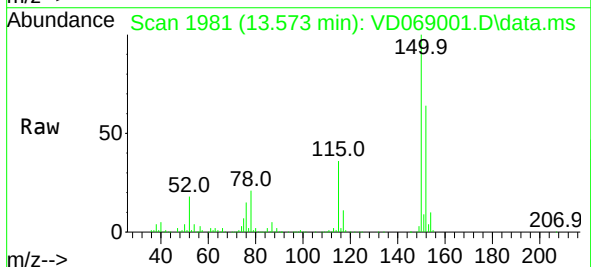
Instrument :
MSVOA_D
ClientSampleId :

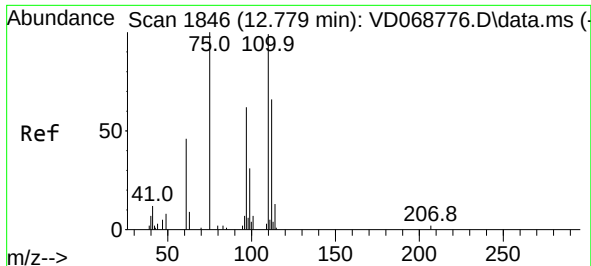
Tgt Ion:173 Resp: 2519
Ion Ratio Lower Upper
173 100
175 0.0 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion:152 Resp: 303500
Ion Ratio Lower Upper
152 100
115 57.2 29.3 87.8
150 157.1 0.0 347.6

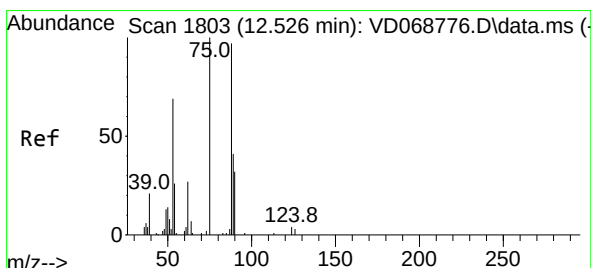
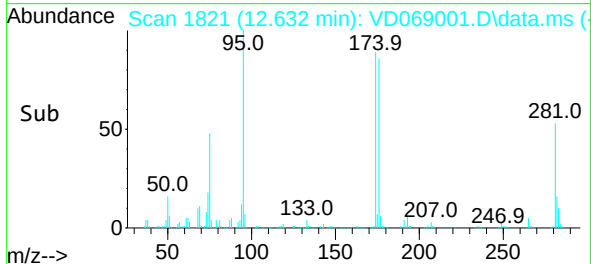
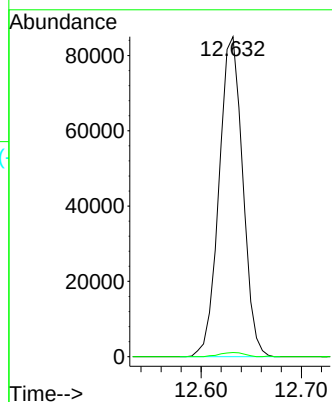
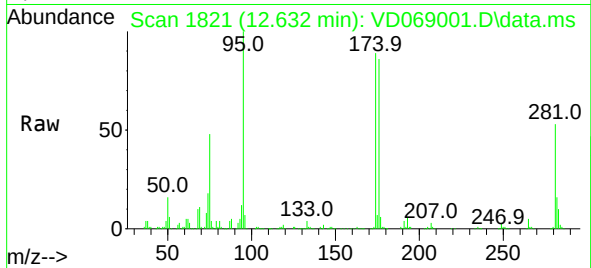




#76
1,2,3-Trichloropropane
Concen: 50.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 139206
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069001.D
Acq: 28 Apr 2021 13:46

Tgt Ion: 75 Resp: 139206
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.5 36.6 54.8#

