

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069307.D
 Acq On : 02 Jun 2021 17:54
 Operator : VA/SY
 Sample : M2580-07
 Misc : 10.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 03 01:10:46 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)

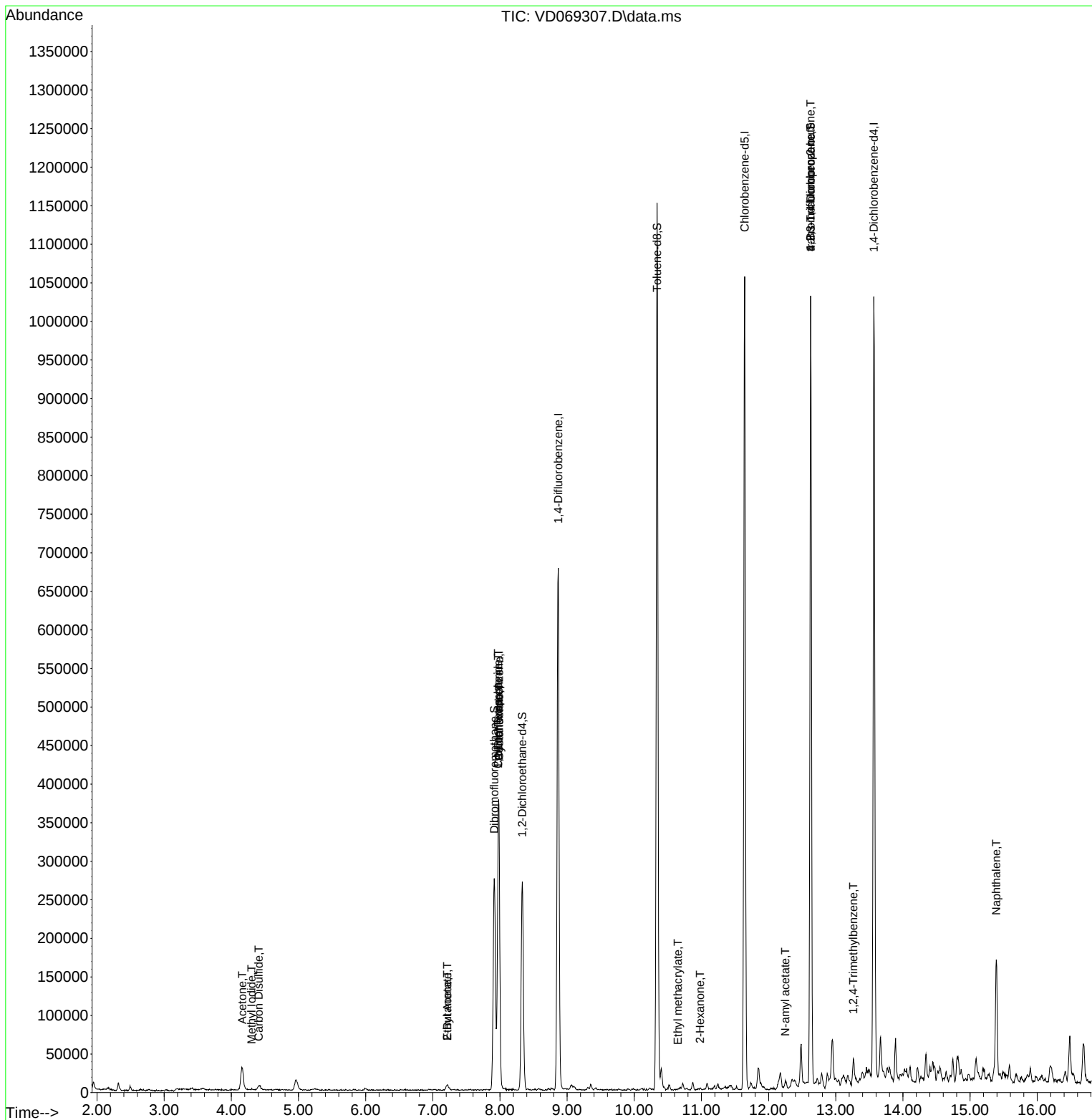
Internal Standards						
1) Pentafluorobenzene	7.985	168	290758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	615770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	629599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	282920	50.00	ug/l	0.00

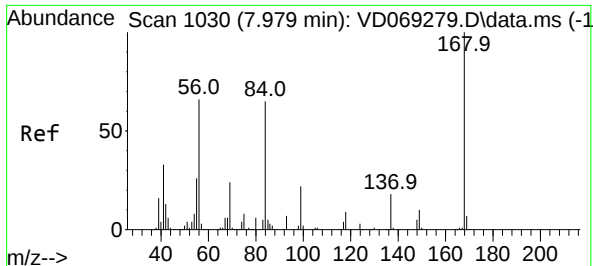
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	216545	77.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.24%
35) Dibromofluoromethane	7.914	113	204512	52.89	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.78%
50) Toluene-d8	10.338	98	797699	56.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.46%
62) 4-Bromofluorobenzene	12.626	95	271798	58.99	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.98%

Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	1124	2.83	ug/l #	81
11) Tert butyl alcohol	5.232	59	2186	Below Cal	#	81
16) Acetone	4.162	43	52571	107.98	ug/l	98
17) Carbon Disulfide	4.409	76	11348	1.18	ug/l	96
20) Methylene Chloride	4.962	84	11260	Below Cal	#	88
25) 2-Butanone	7.214	43	9232	14.41	ug/l #	85
31) Cyclohexane	7.985	56	6016	1.36	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	22167	3.70	ug/l #	50
37) Ethyl Acetate	7.214	43	9232	4.54	ug/l #	75
38) Carbon Tetrachloride	7.973	117	29504	4.57	ug/l #	16
56) Ethyl methacrylate	10.650	69	119	2.67	ug/l #	2
59) 2-Hexanone	10.979	43	1508	1.18	ug/l	84
74) N-amyl acetate	12.249	43	4380	1.28	ug/l #	52
76) 1,2,3-Trichloropropane	12.626	75	135390	55.08	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	135390	122.06	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.261	105	19933	1.22	ug/l	92
95) Naphthalene	15.390	128	147915	17.61	ug/l	98

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

Quant Time: Jun 03 01:10:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

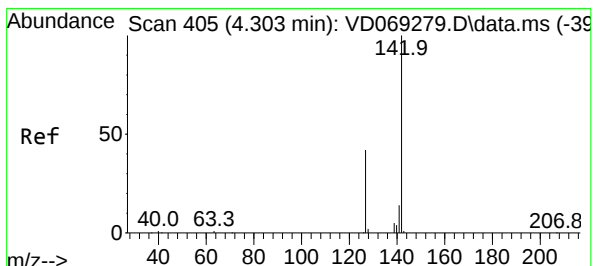
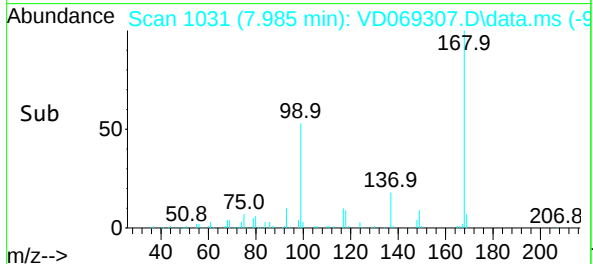
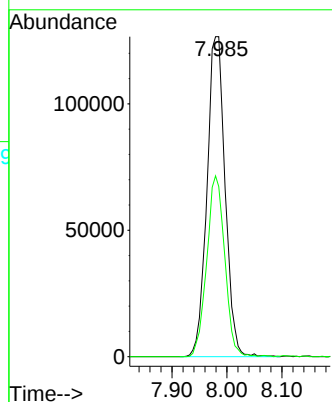
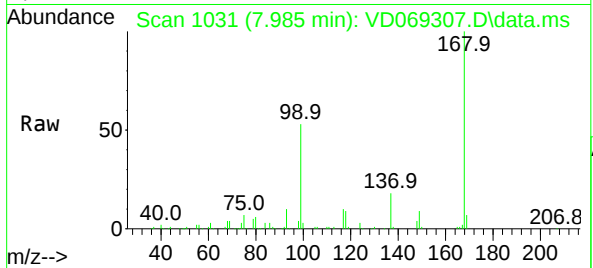




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

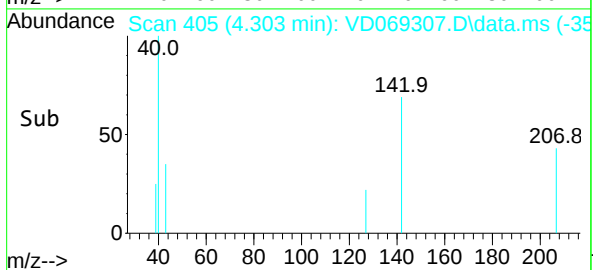
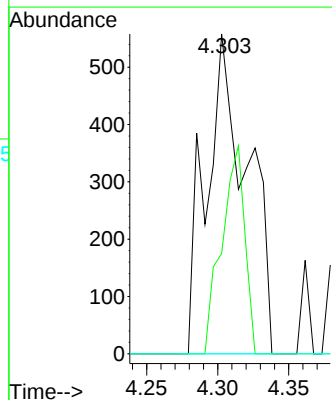
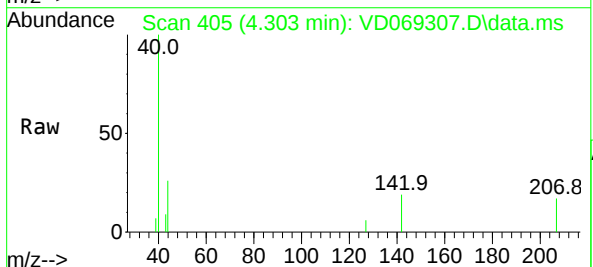
Instrument :
MSVOA_D
ClientSampled :

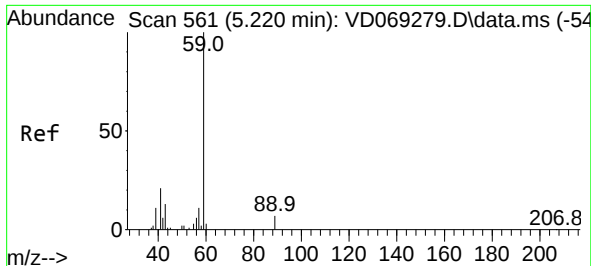
Tgt Ion:168 Resp: 290758
Ion Ratio Lower Upper
168 100
99 53.2 46.2 69.2



#10
Methyl Iodide
Concen: 2.83 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Tgt Ion:142 Resp: 1124
Ion Ratio Lower Upper
142 100
127 36.5 36.2 54.2
141 0.0 12.2 18.2#

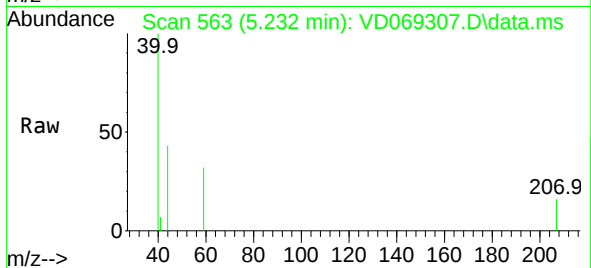




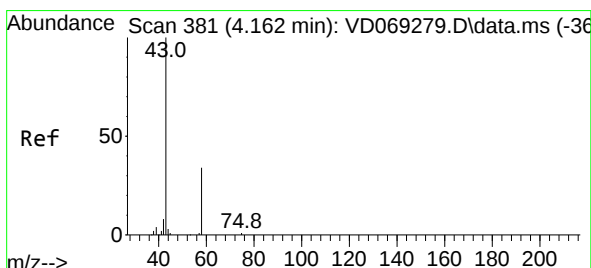
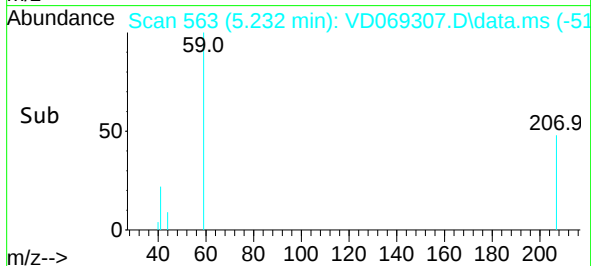
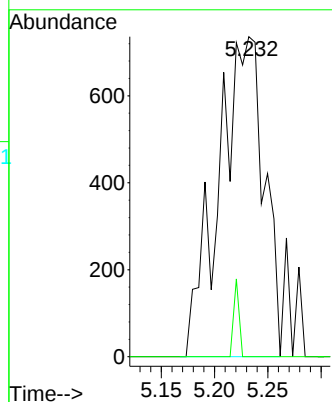
#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Instrument :
MSVOA_D
ClientSampled :



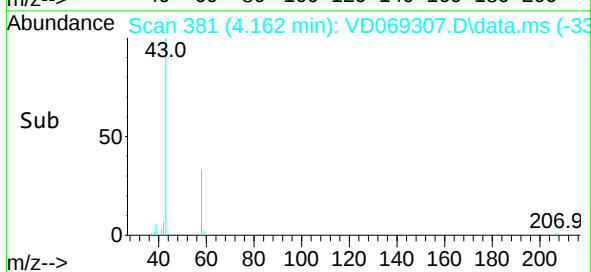
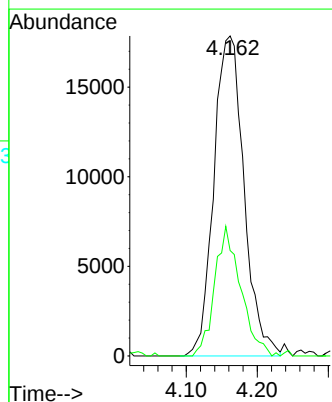
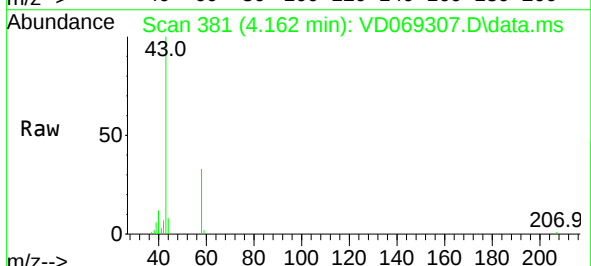
Tgt Ion: 59 Resp: 2186
Ion Ratio Lower Upper
59 100
57 2.9 7.8 11.8#

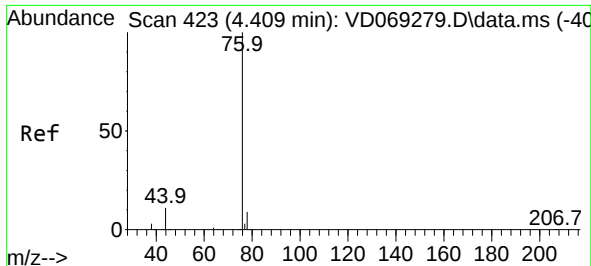


#16

Acetone
Concen: 107.98 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

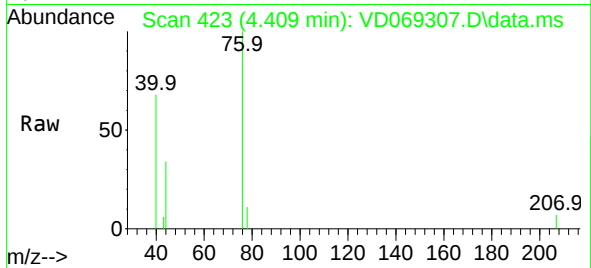
Tgt Ion: 43 Resp: 52571
Ion Ratio Lower Upper
43 100
58 33.0 27.5 41.3



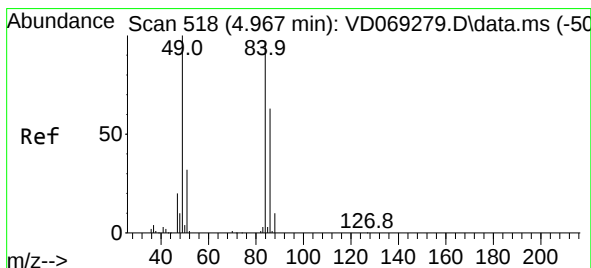
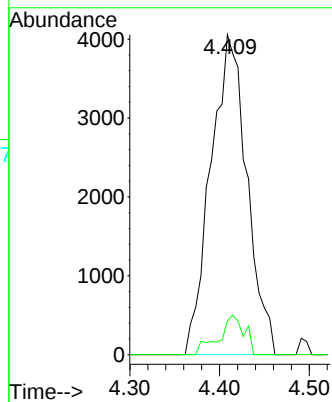
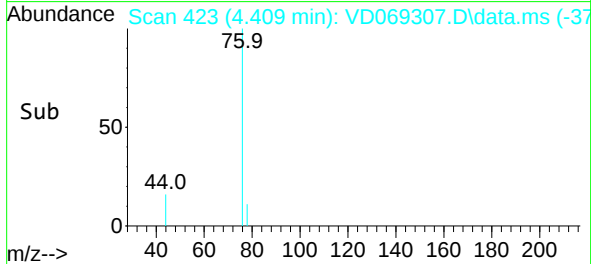


#17
Carbon Disulfide
Concen: 1.18 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

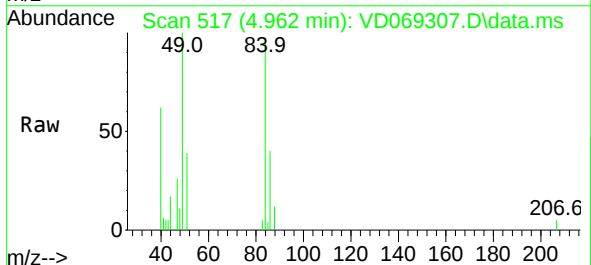
Instrument :
MSVOA_D
ClientSampled :



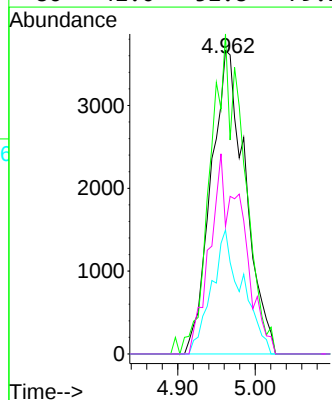
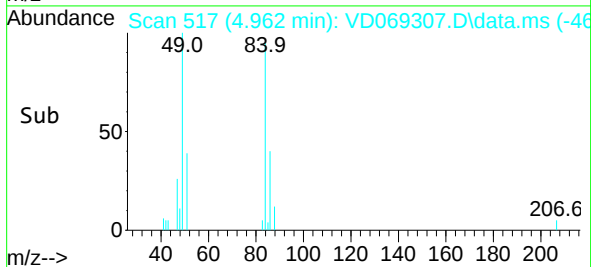
Tgt Ion: 76 Resp: 11348
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0

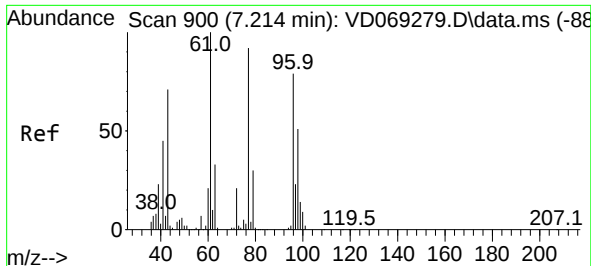


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54



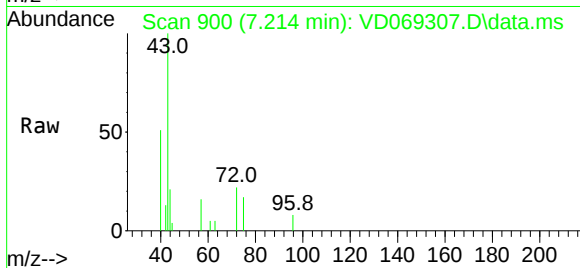
Tgt Ion: 84 Resp: 11260
Ion Ratio Lower Upper
84 100
49 105.5 83.7 125.5
51 40.9 26.4 39.6#
86 42.0 52.8 79.2#



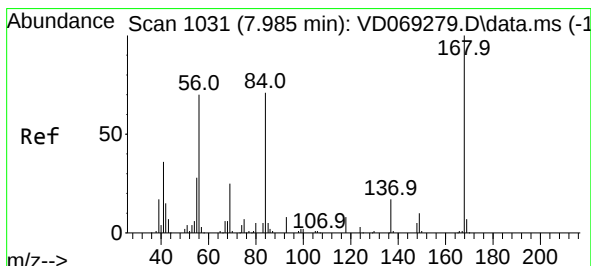
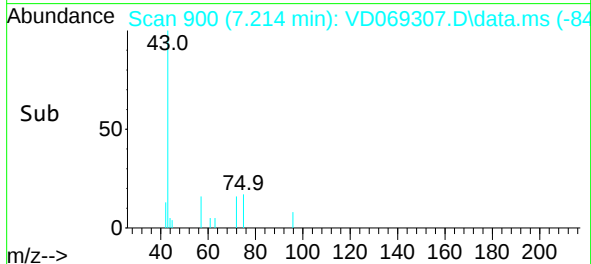
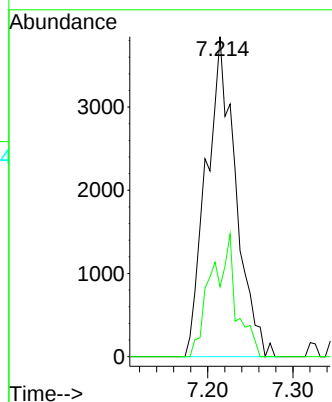


#25
2-Butanone
Concen: 14.41 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

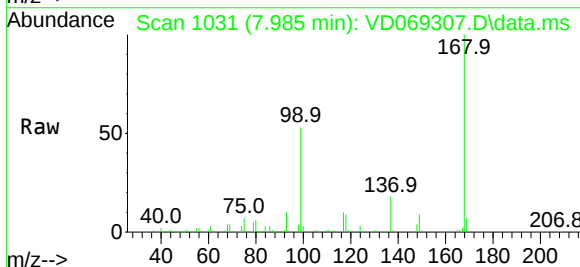
Instrument :
MSVOA_D
ClientSampled :



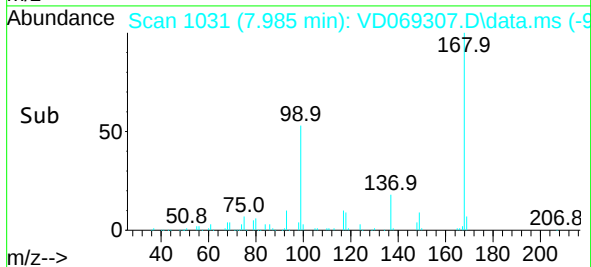
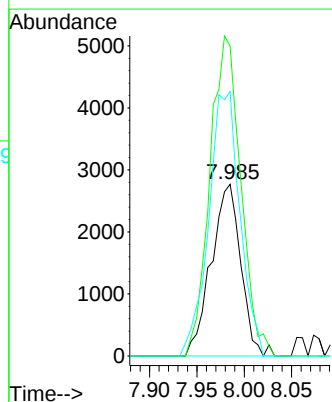
Tgt Ion: 43 Resp: 9232
Ion Ratio Lower Upper
43 100
72 21.8 23.9 35.9#

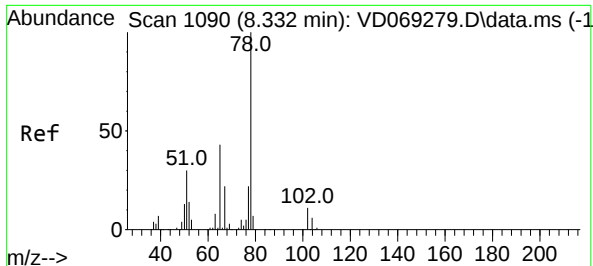


#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54



Tgt Ion: 56 Resp: 6016
Ion Ratio Lower Upper
56 100
69 180.5 29.0 43.4#
84 154.0 81.1 121.7#



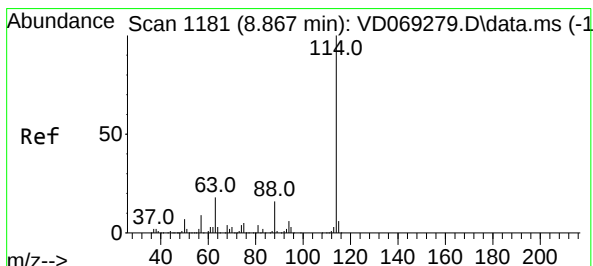
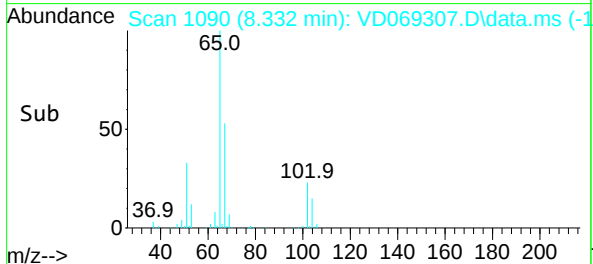
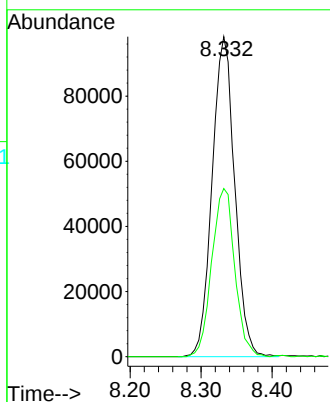
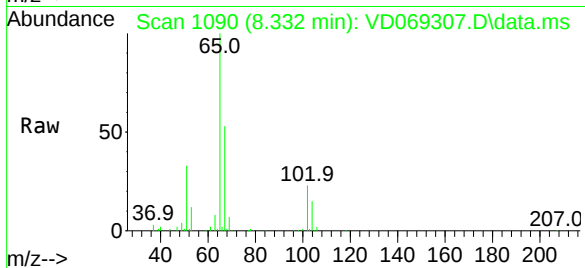


#33

1,2-Dichloroethane-d4
Concen: 77.62 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Instrument :
MSVOA_D
ClientSampled :

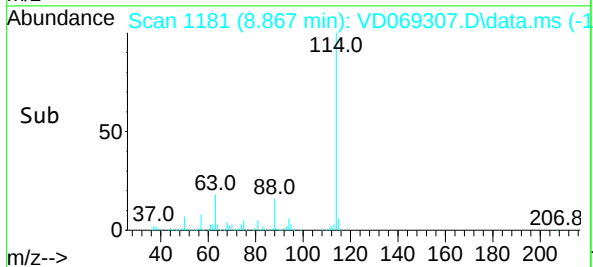
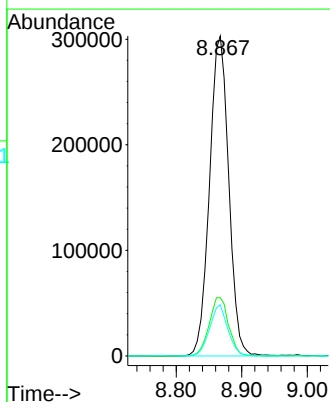
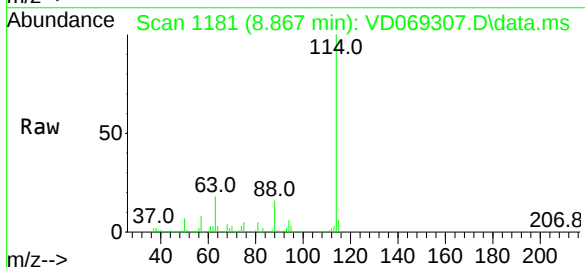
Tgt Ion: 65 Resp: 216545
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

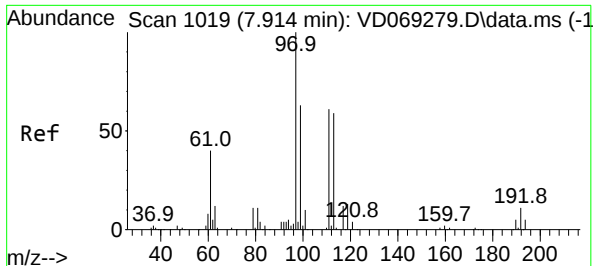


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Tgt Ion: 114 Resp: 615770
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.6
88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.89 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069307.D

Acq: 02 Jun 2021 17:54

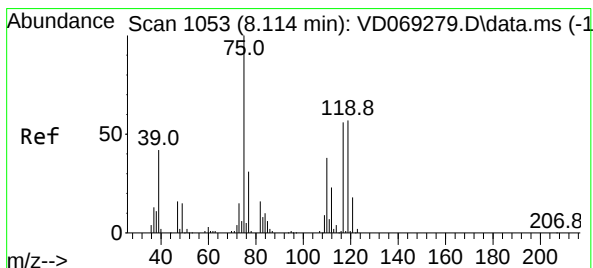
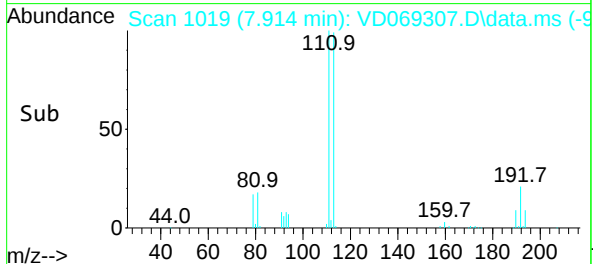
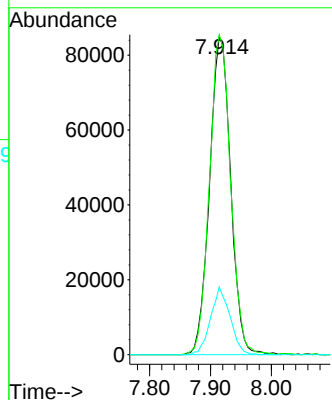
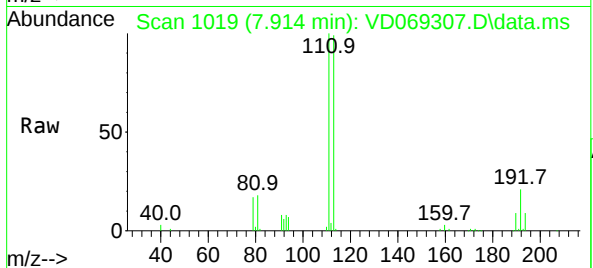
Tgt Ion:113 Resp: 204512

Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.6

192 19.6 15.1 22.7



#36

1,1-Dichloropropene

Concen: 3.70 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD069307.D

Acq: 02 Jun 2021 17:54

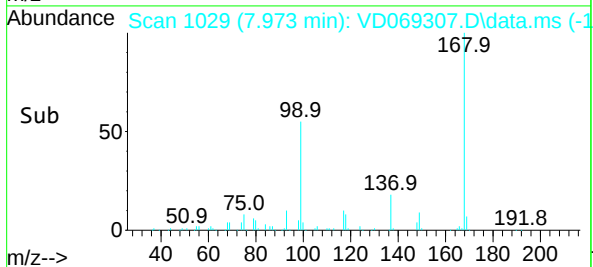
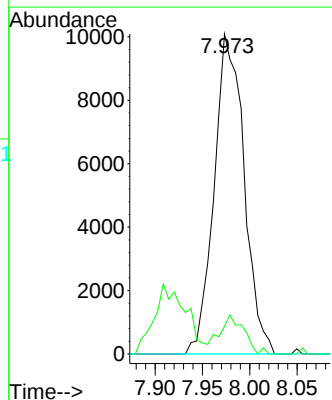
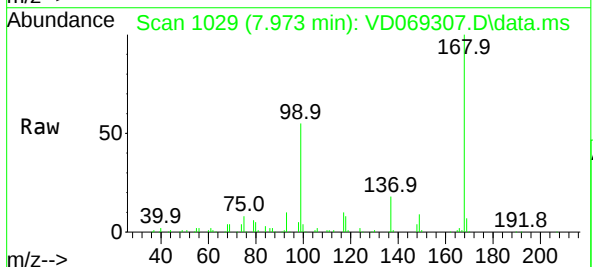
Tgt Ion: 75 Resp: 22167

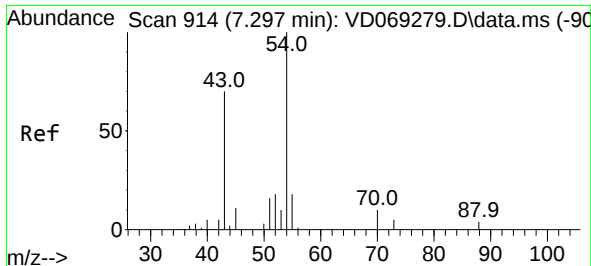
Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.54 ug/l

RT: 7.214 min Scan# 900

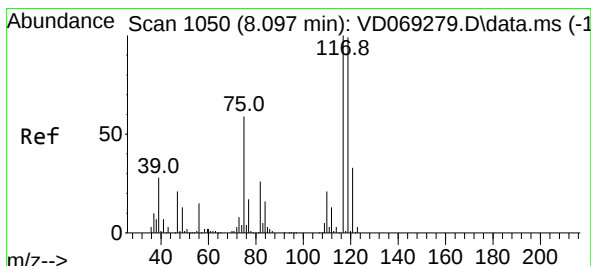
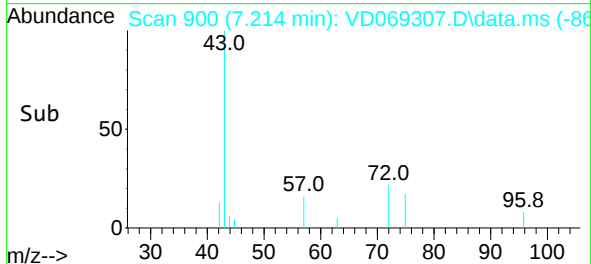
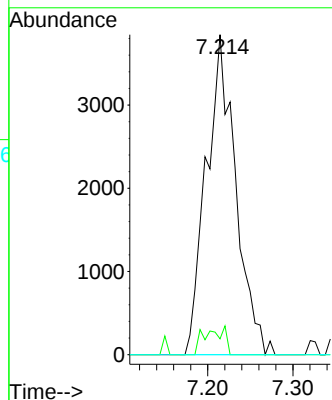
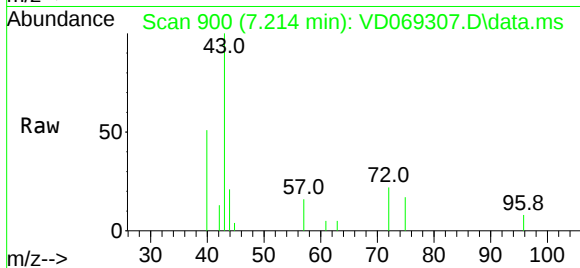
Delta R.T. -0.082 min

Lab File: VD069307.D

Acq: 02 Jun 2021 17:54

Tgt Ion:	43	Resp:	9232
Ion	Ratio	Lower	Upper
43	100		
61	6.0	11.0	16.6#
70	0.0	9.7	14.5#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 4.57 ug/l

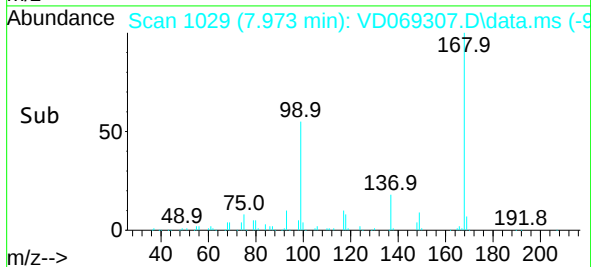
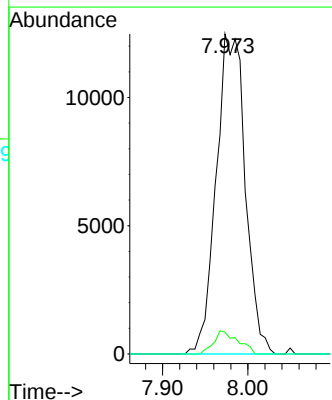
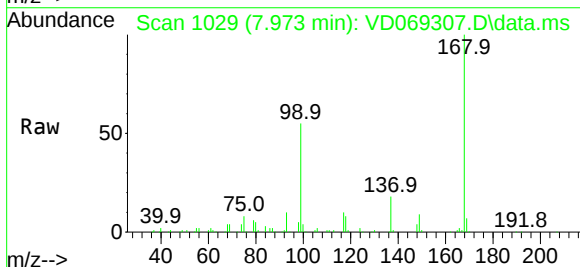
RT: 7.973 min Scan# 1029

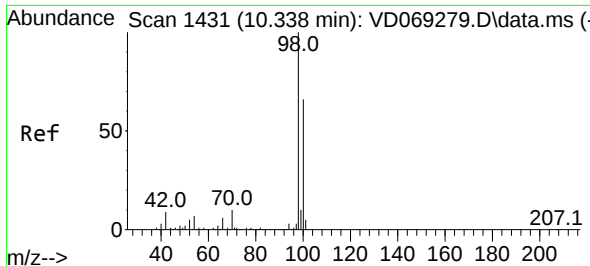
Delta R.T. -0.123 min

Lab File: VD069307.D

Acq: 02 Jun 2021 17:54

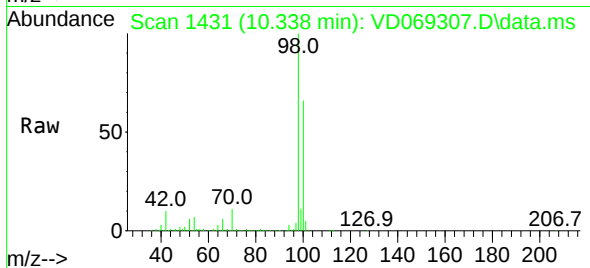
Tgt Ion:	117	Resp:	29504
Ion	Ratio	Lower	Upper
117	100		
119	6.8	79.4	119.2#
121	0.0	26.1	39.1#



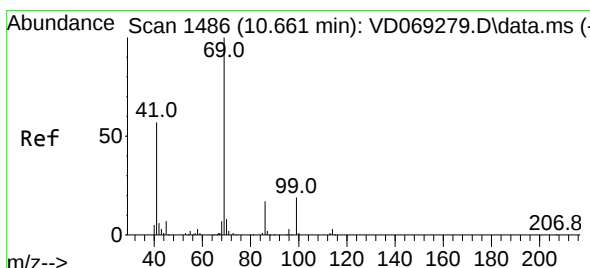
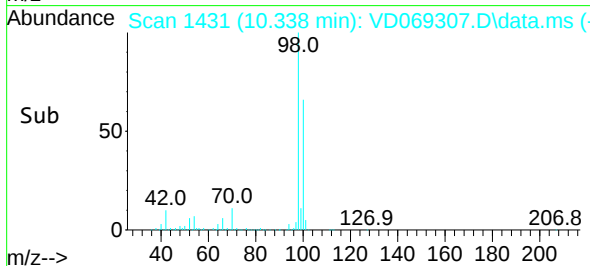
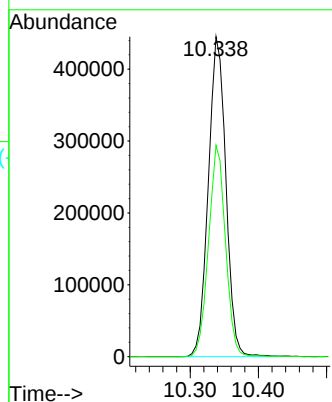


#50
Toluene-d8
Concen: 56.73 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Instrument :
MSVOA_D
ClientSampled :

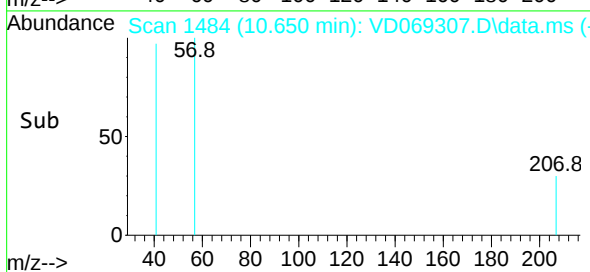
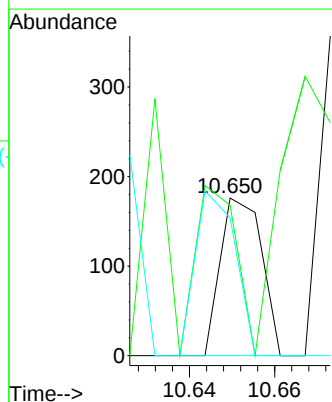
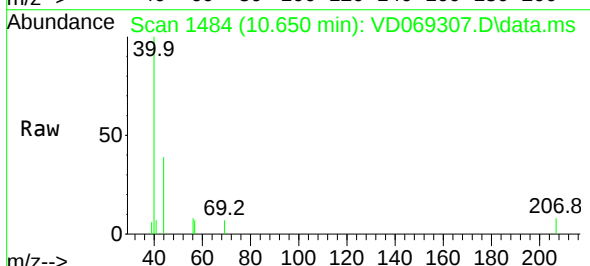


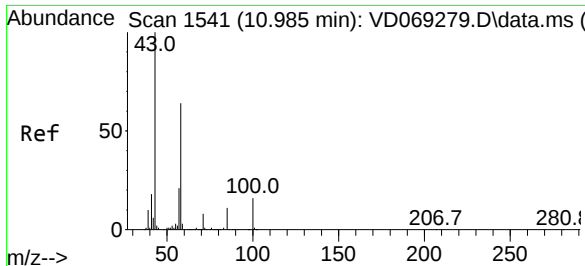
Tgt Ion: 98 Resp: 797699
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.67 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.011 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 100.0 21.7 32.5#

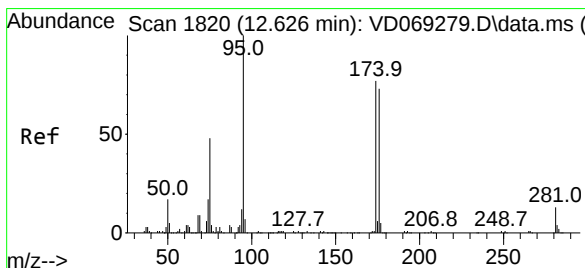
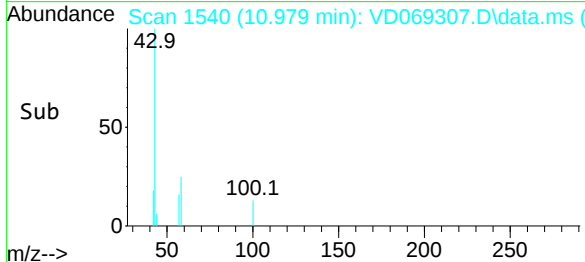
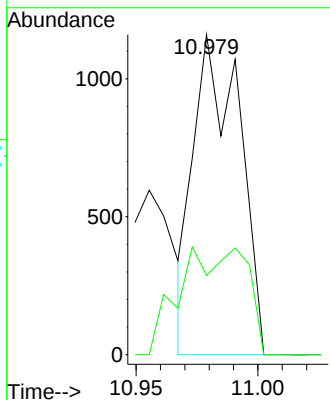
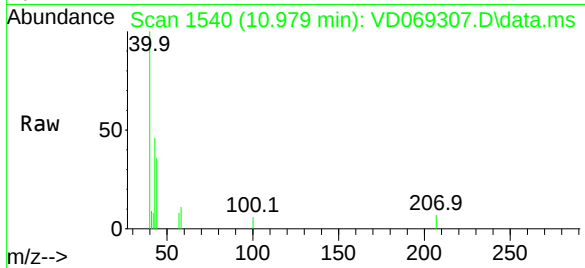




#59
2-Hexanone
Concen: 1.18 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

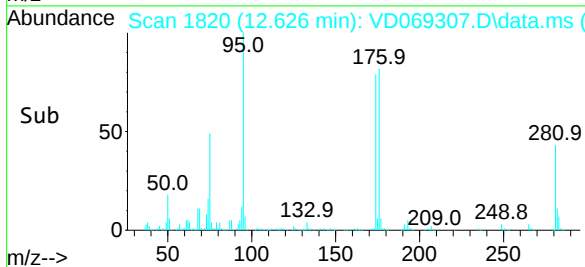
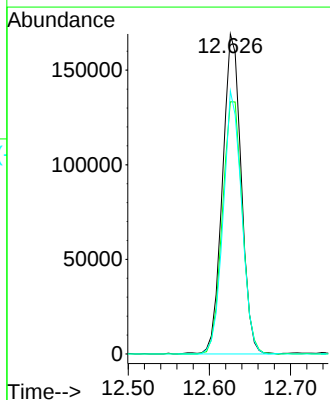
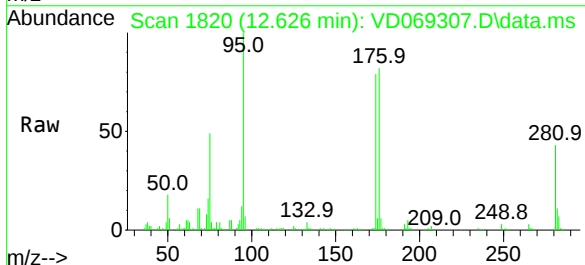
Instrument :
MSVOA_D
ClientSampled :

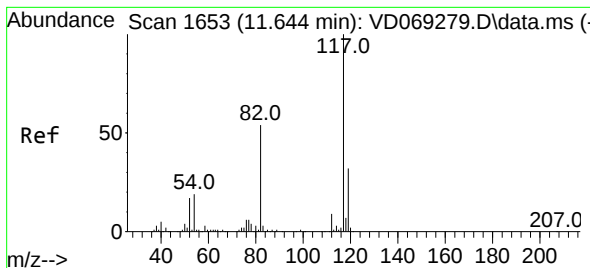
Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 49.5 30.8 92.3



#62
4-Bromofluorobenzene
Concen: 58.99 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Tgt Ion: 95 Resp: 271798
Ion Ratio Lower Upper
95 100
174 83.9 0.0 162.8
176 80.8 0.0 154.4

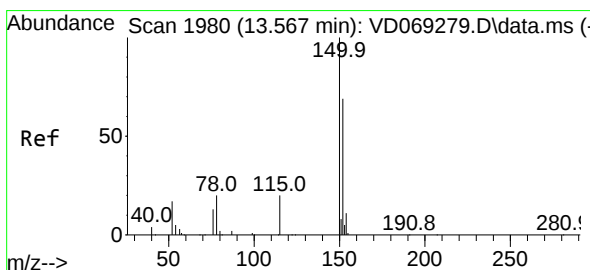
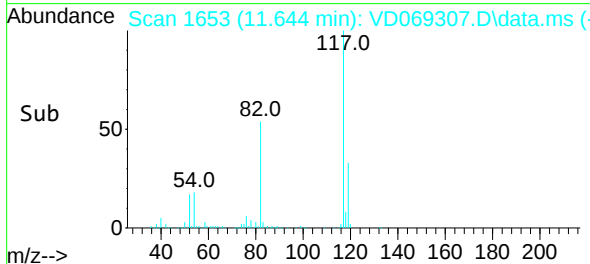
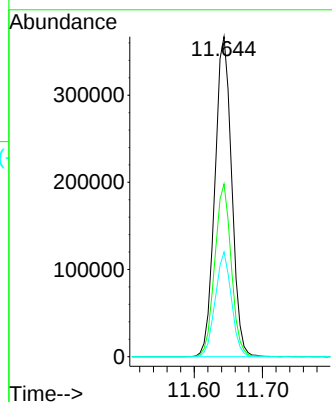
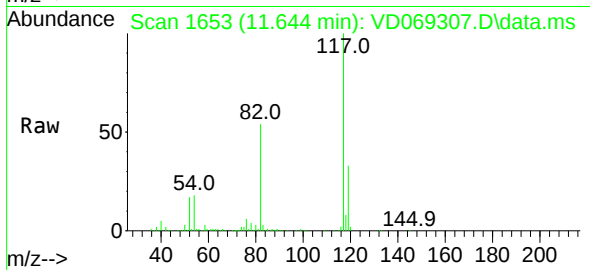




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

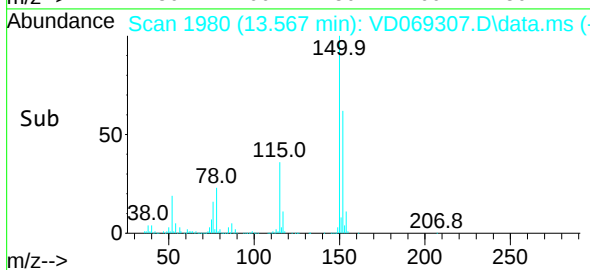
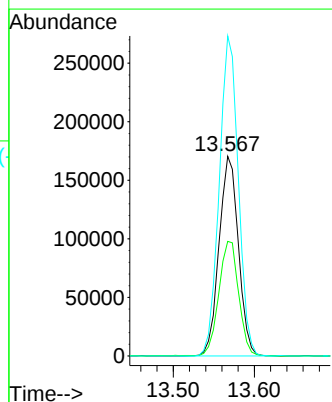
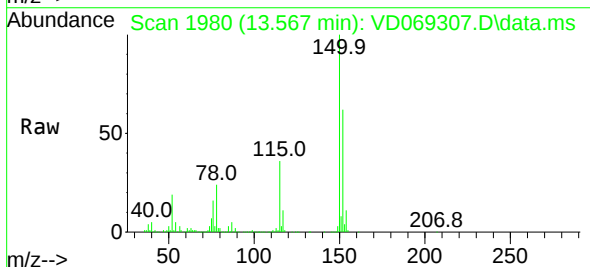
Instrument :
MSVOA_D
ClientSampleId :

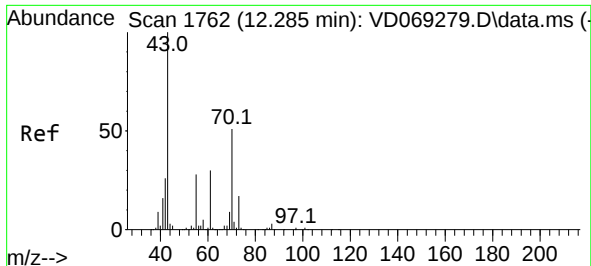
Tgt Ion:117 Resp: 629599
Ion Ratio Lower Upper
117 100
82 54.0 43.3 64.9
119 32.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

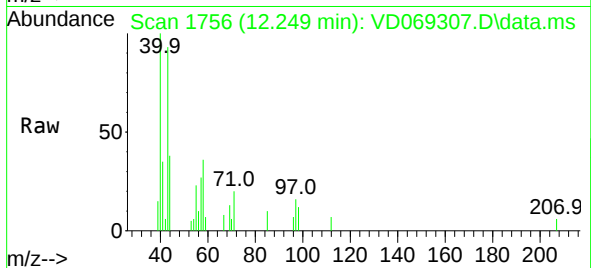
Tgt Ion:152 Resp: 282920
Ion Ratio Lower Upper
152 100
115 58.8 29.4 88.3
150 157.4 0.0 355.0



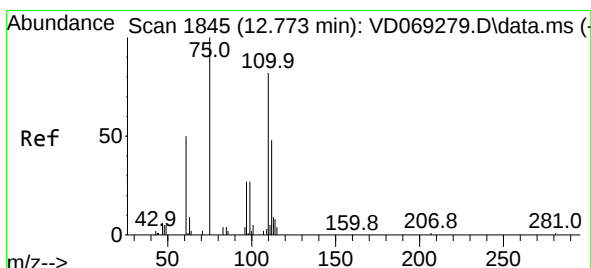
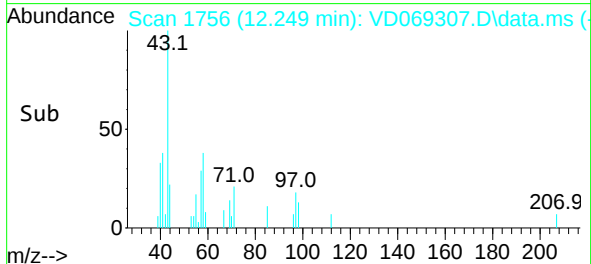
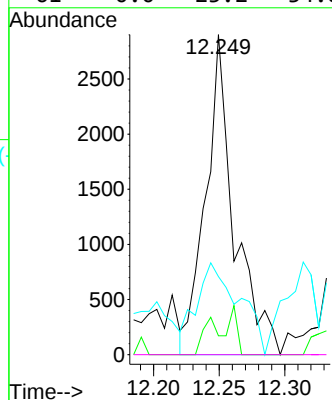


#74
N-amy1 acetate
Concen: 1.28 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.035 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Instrument :
MSVOA_D
ClientSampled :

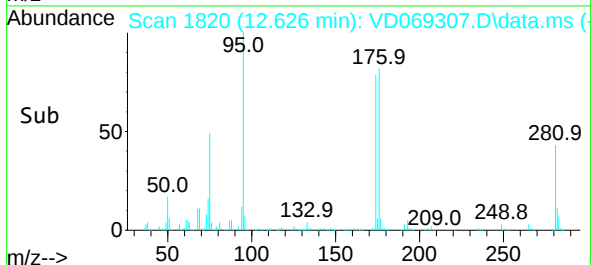
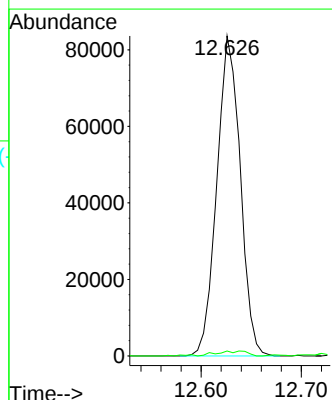
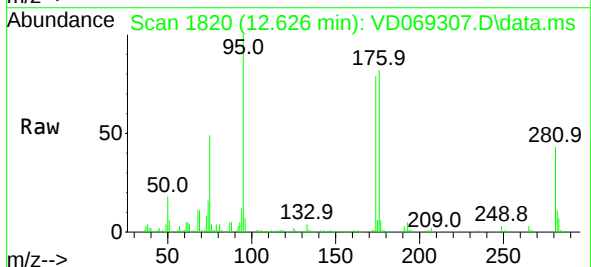


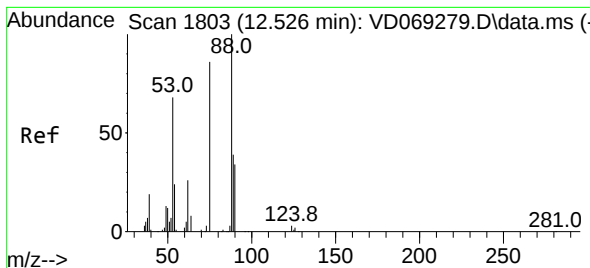
Tgt Ion: 43	Resp: 4380
Ion Ratio	Lower Upper
43 100	
70 10.9	40.9 61.3#
55 43.2	23.4 35.0#
61 0.0	23.2 34.8#



#76
1,2,3-Trichloropropane
Concen: 55.08 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

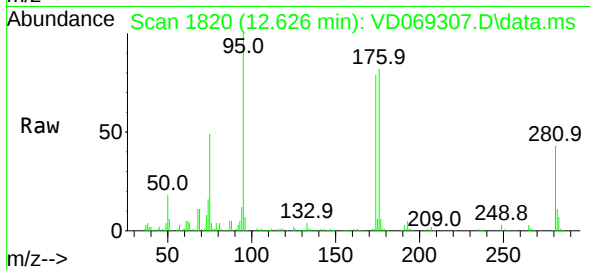
Tgt Ion: 75	Resp: 135390
Ion Ratio	Lower Upper
75 100	
77 2.0	183.8 551.2#



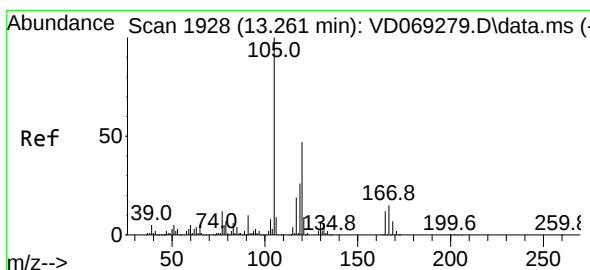
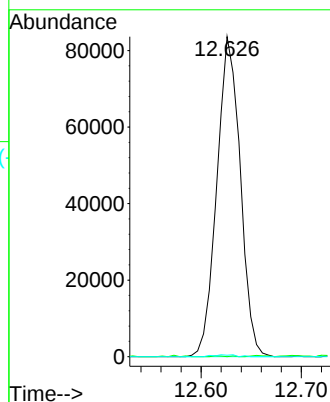
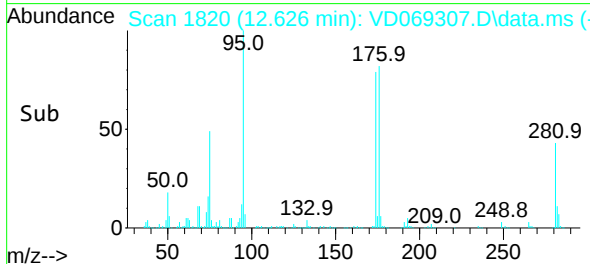


#81
trans-1,4-Dichloro-2-butene
Concen: 122.06 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

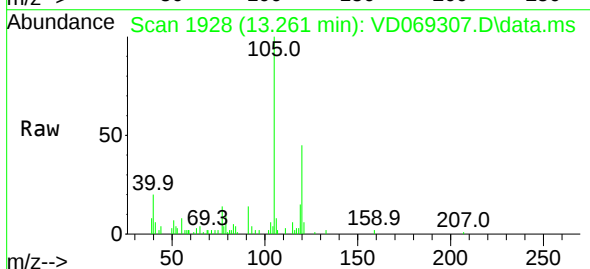
Instrument :
MSVOA_D
ClientSampled :



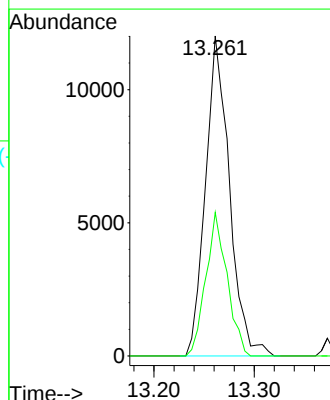
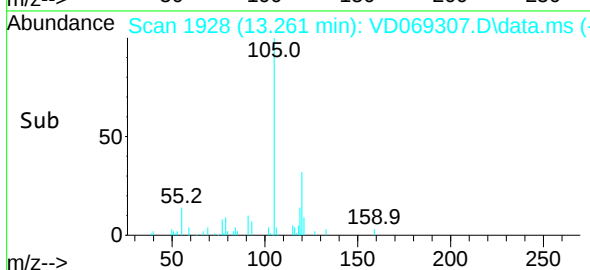
Tgt Ion: 75 Resp: 135390
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.6 35.6 53.4#

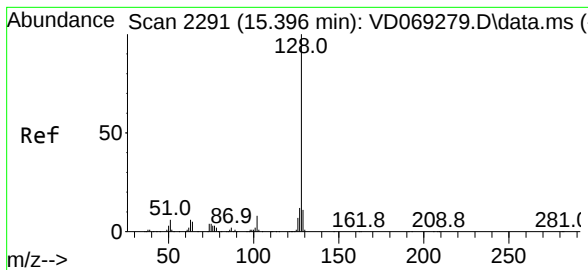


#84
1,2,4-Trimethylbenzene
Concen: 1.22 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54



Tgt Ion: 105 Resp: 19933
Ion Ratio Lower Upper
105 100
120 40.0 22.6 67.8





#95
Naphthalene
Concen: 17.61 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069307.D
Acq: 02 Jun 2021 17:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 147915
Ion Ratio Lower Upper
128 100
127 14.1 10.4 15.6
129 11.3 8.8 13.2

