

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068527.D
 Acq On : 04 Mar 2021 16:05
 Operator : VA/SY
 Sample : M1565-01
 Misc : 3.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 00:02:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

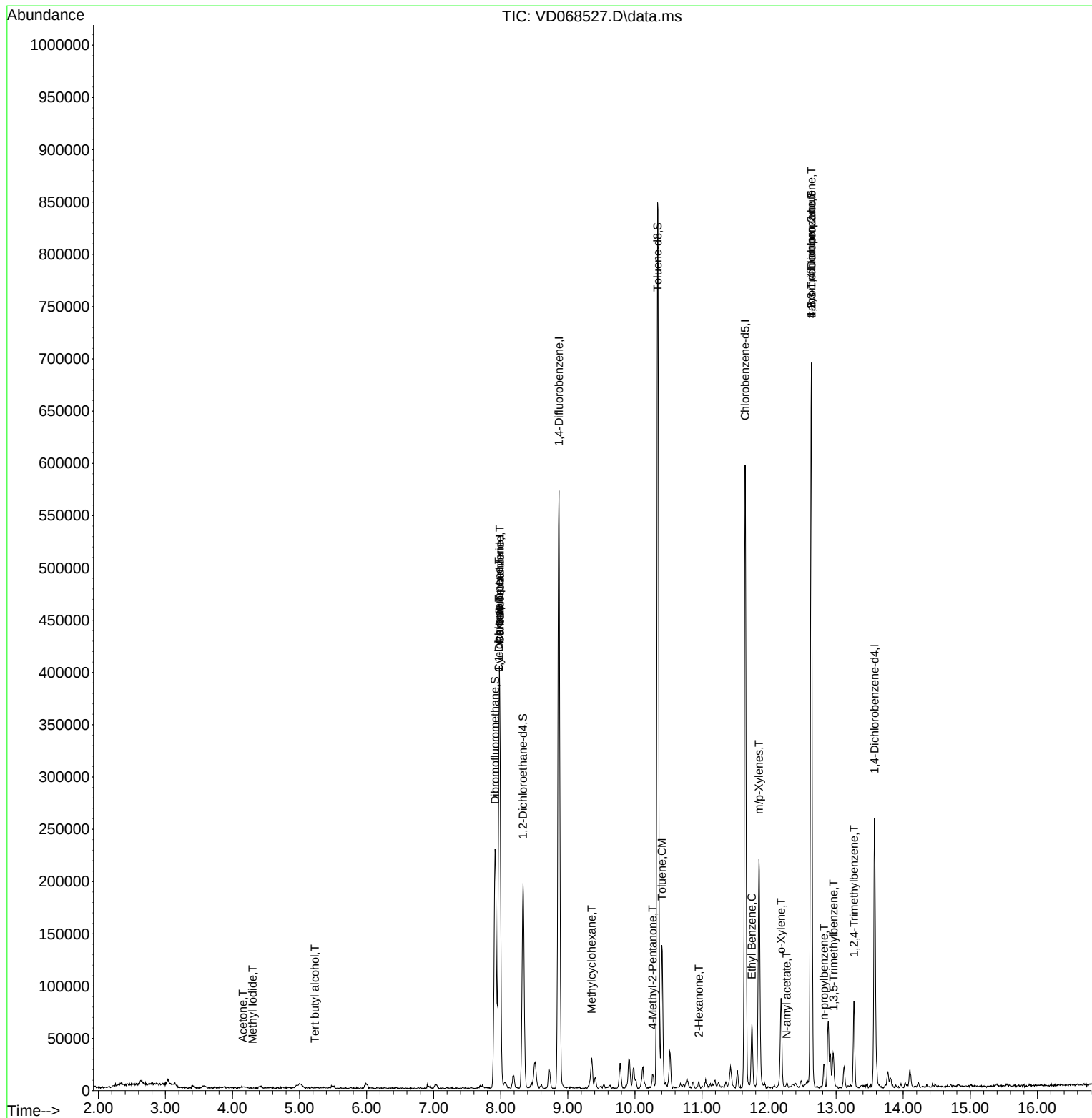
Internal Standards						
1) Pentafluorobenzene	7.985	168	303271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	518925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	360642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	68590	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152237	50.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.48%			
35) Dibromofluoromethane	7.914	113	167446	53.57	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.14%			
50) Toluene-d8	10.338	98	612150	49.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.32%			
62) 4-Bromofluorobenzene	12.632	95	111140	27.70	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 55.40%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	58	2.63	ug/l #	38
11) Tert butyl alcohol	5.226	59	255	1.58	ug/l #	74
16) Acetone	4.156	43	1489	3.09	ug/l #	86
20) Methylene Chloride	4.985	84	1143	Below Cal	#	82
31) Cyclohexane	7.973	56	10792	1.96	ug/l #	55
36) 1,1-Dichloropropene	7.973	75	23608	4.79	ug/l #	48
38) Carbon Tetrachloride	7.985	117	28522	6.15	ug/l #	16
39) Methylcyclohexane	9.355	83	9067	1.49	ug/l	94
51) 4-Methyl-2-Pentanone	10.267	43	1713	1.09	ug/l #	77
52) Toluene	10.402	92	58919	6.52	ug/l	93
59) 2-Hexanone	10.955	43	2082	1.98	ug/l #	19
67) Ethyl Benzene	11.743	91	43759	3.34	ug/l	100
68) m/p-Xylenes	11.849	106	67072	13.47	ug/l	96
69) o-Xylene	12.179	106	25615	5.59	ug/l	86
74) N-amyl acetate	12.261	43	1021	1.18	ug/l #	63
76) 1,2,3-Trichloropropane	12.632	75	58936	96.79	ug/l #	100
78) n-propylbenzene	12.820	91	18325	3.01	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	14368	3.45	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.632	75	58936	225.87	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	46216	11.07	ug/l	98

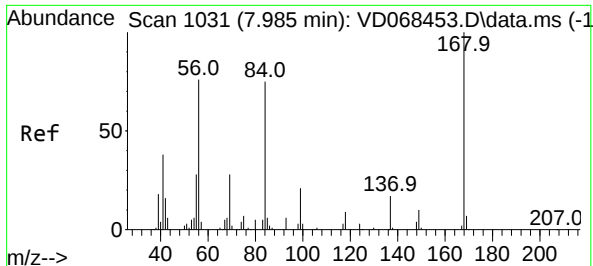
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

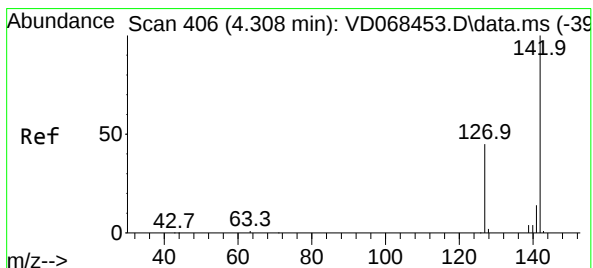
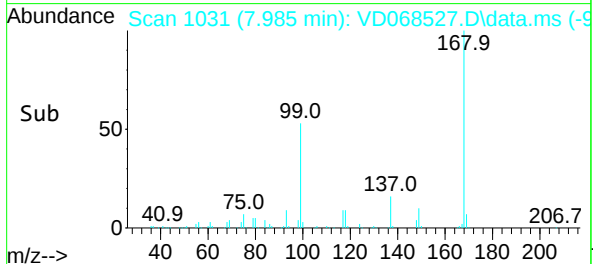
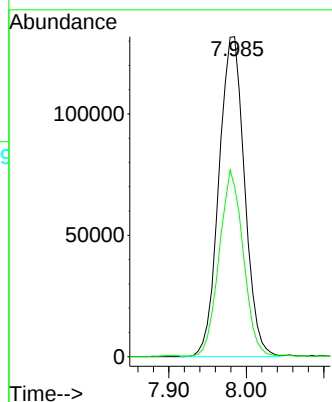
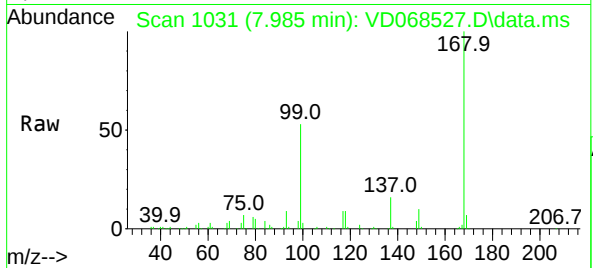




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

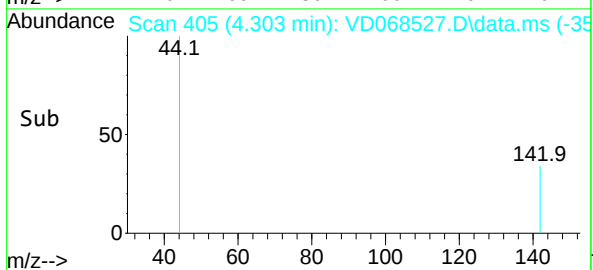
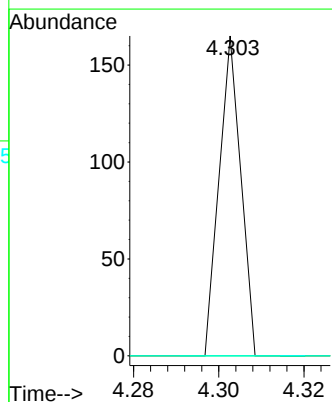
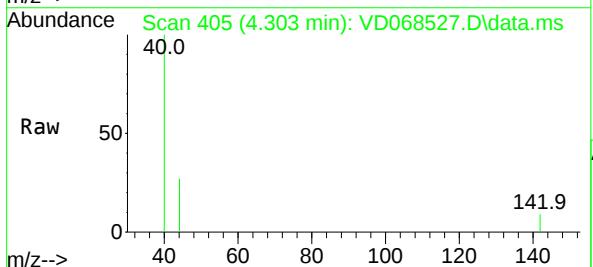
Instrument :
MSVOA_D
ClientSampled :

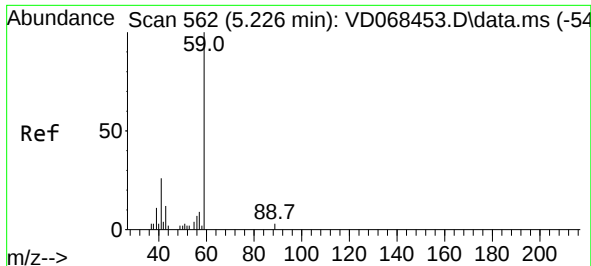
Tgt Ion:168 Resp: 303271
Ion Ratio Lower Upper
168 100
99 52.9 43.5 65.3



#10
Methyl Iodide
Concen: 2.63 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



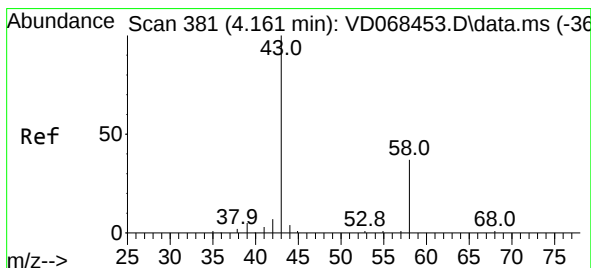
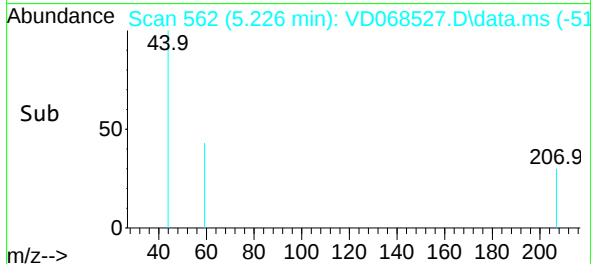
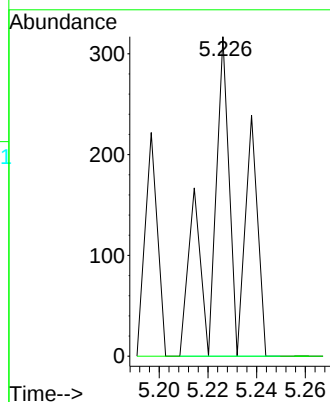
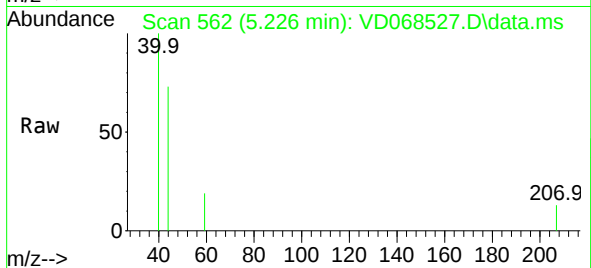


#11

Tert butyl alcohol
Concen: 1.58 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Instrument :
MSVOA_D
ClientSampleId :

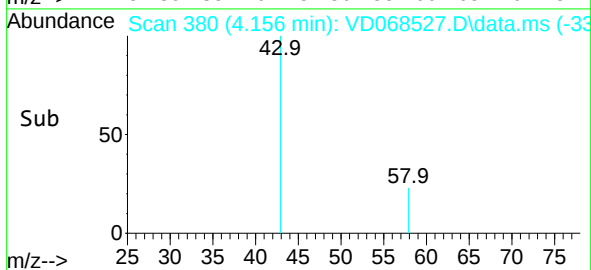
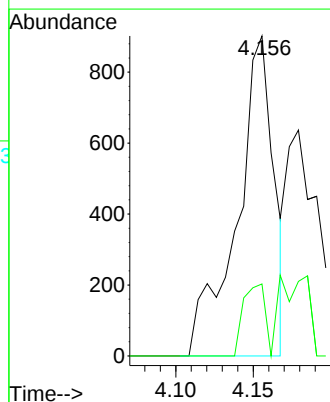
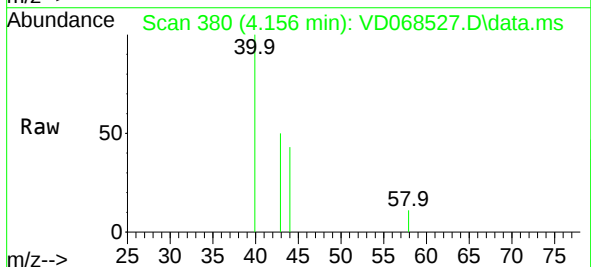
Tgt Ion: 59 Resp: 255
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

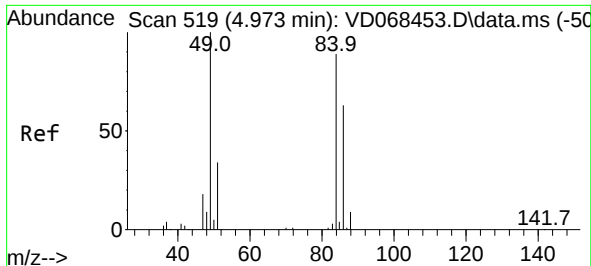


#16

Acetone
Concen: 3.09 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 22.5 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

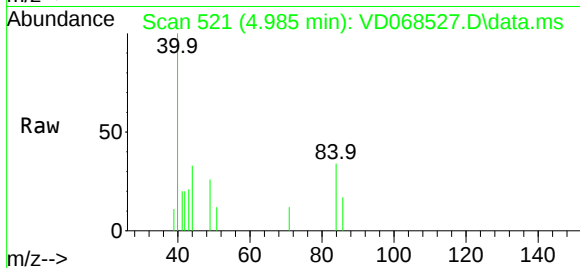
RT: 4.985 min Scan# 521

Delta R.T. 0.012 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 1143

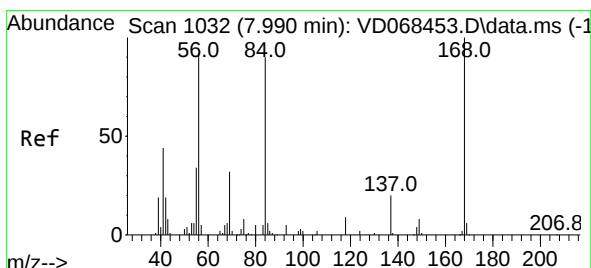
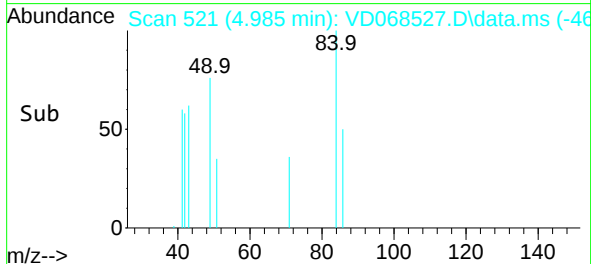
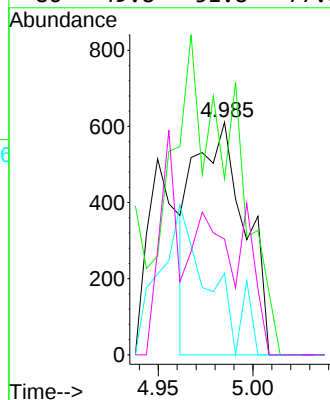
Ion Ratio Lower Upper

84 100

49 75.6 77.4 116.2#

51 35.0 26.1 39.1

86 49.8 51.8 77.8#



#31

Cyclohexane

Concen: 1.96 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.017 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

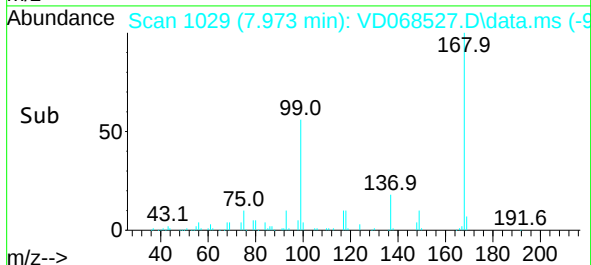
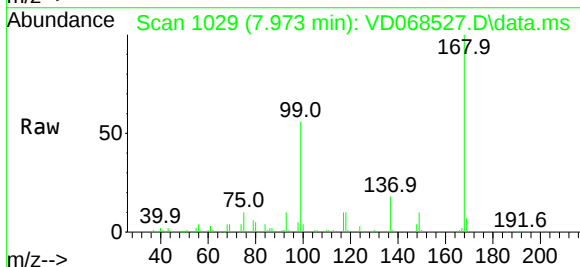
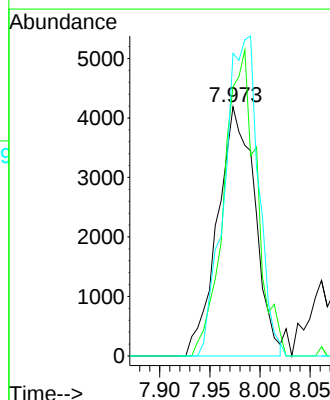
Tgt Ion: 56 Resp: 10792

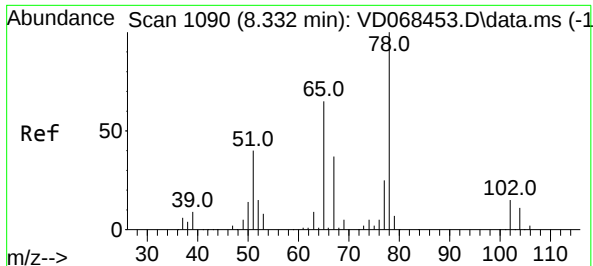
Ion Ratio Lower Upper

56 100

69 108.0 30.1 45.1#

84 121.5 82.1 123.1





#33

1,2-Dichloroethane-d4

Concen: 50.24 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

Tgt Ion: 65 Resp: 152237

Ion Ratio Lower Upper

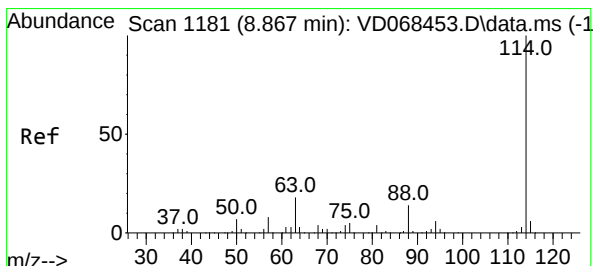
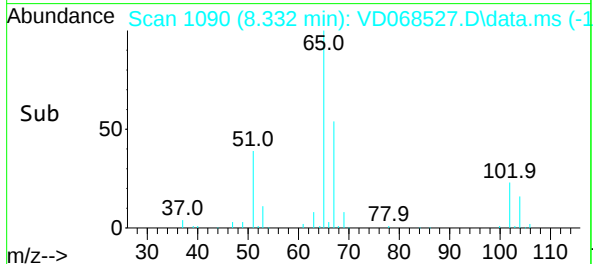
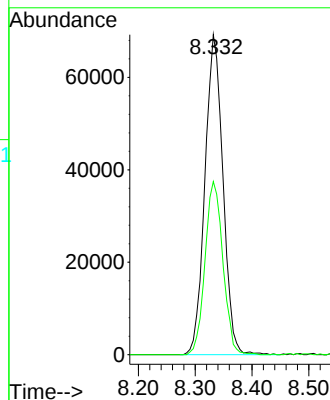
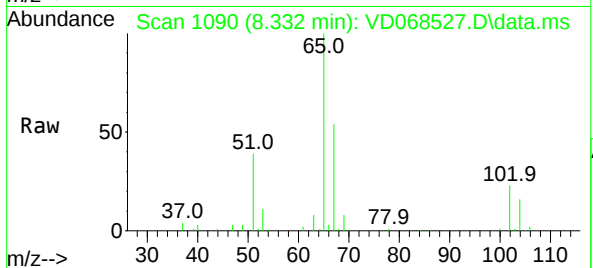
65 100

67 53.7 0.0 105.0

Instrument :

MSVOA_D

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

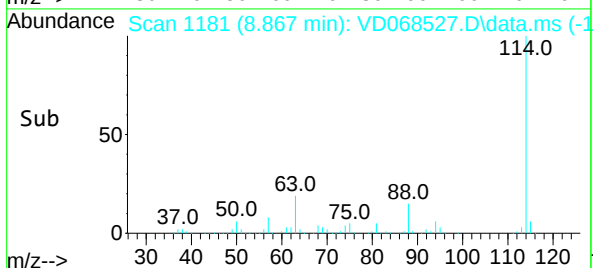
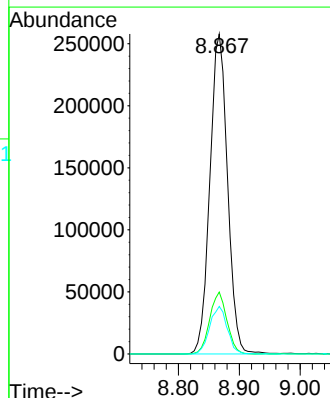
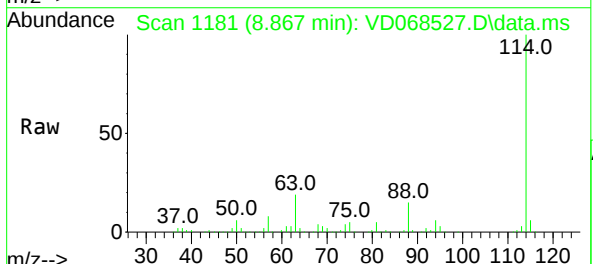
Tgt Ion:114 Resp: 518925

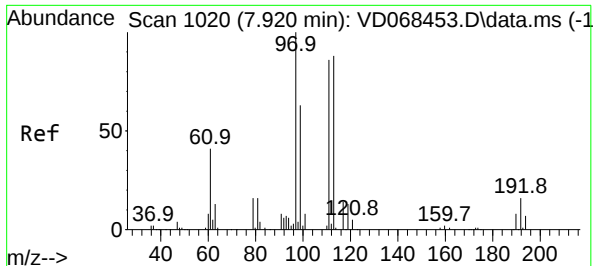
Ion Ratio Lower Upper

114 100

63 19.3 0.0 34.8

88 14.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.57 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

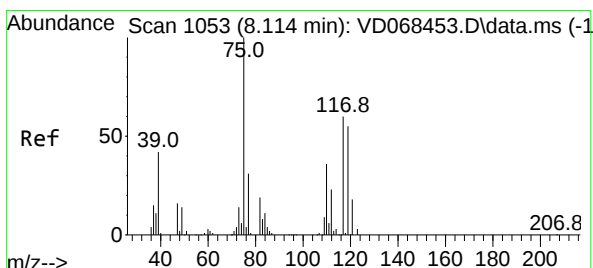
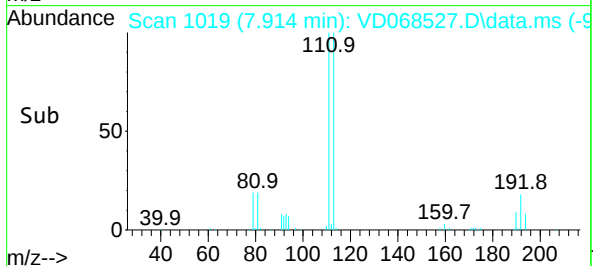
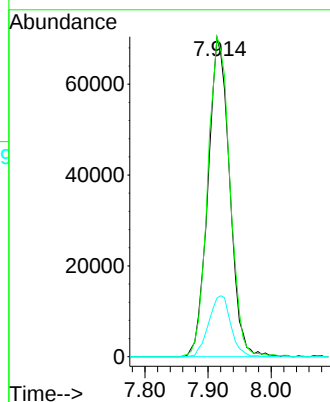
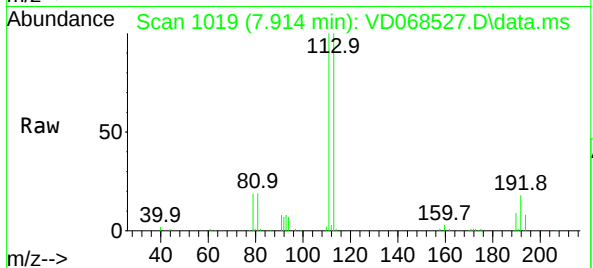
Tgt Ion:113 Resp: 167446

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 19.4 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.79 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD068527.D

Acq: 04 Mar 2021 16:05

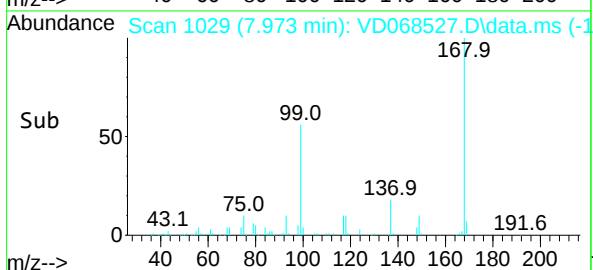
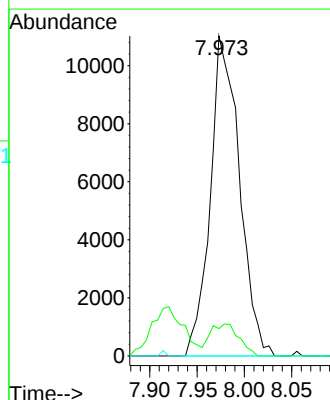
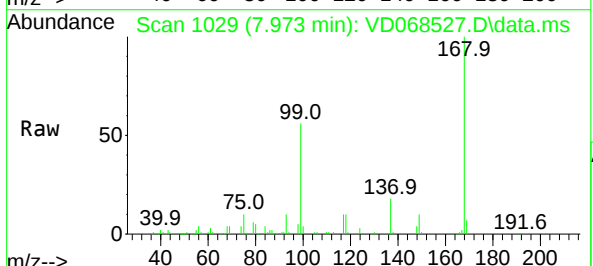
Tgt Ion: 75 Resp: 23608

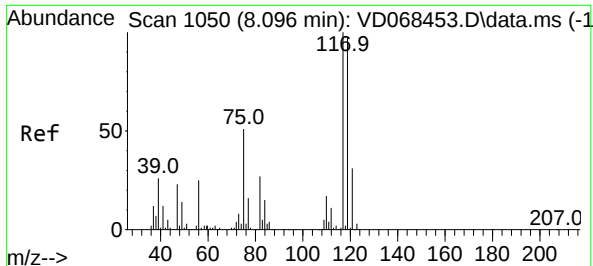
Ion Ratio Lower Upper

75 100

110 9.8 19.4 58.2#

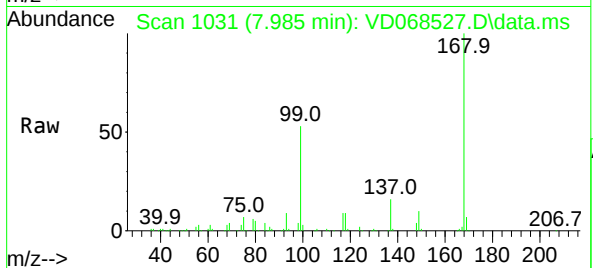
77 0.0 25.3 37.9#



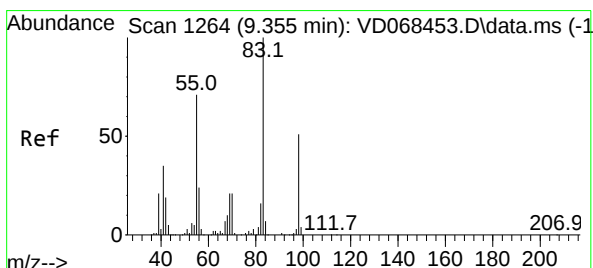
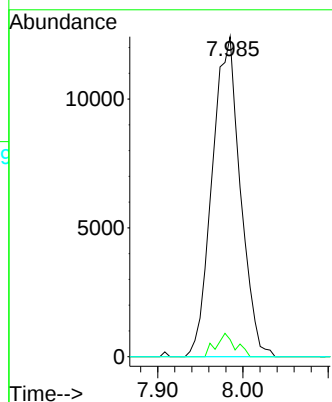
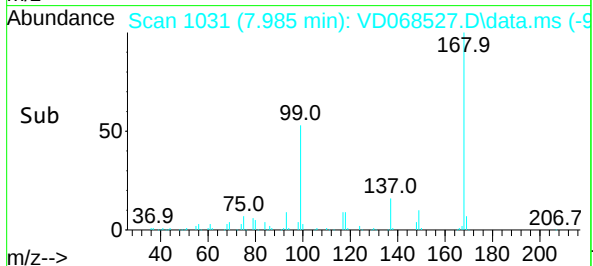


#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.111 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

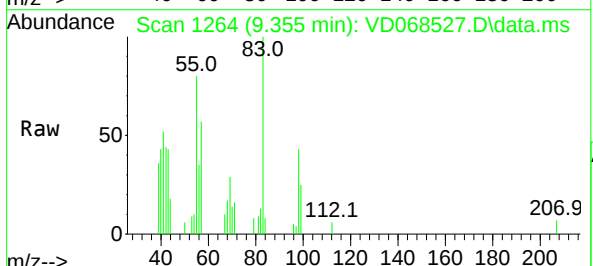
Instrument :
MSVOA_D
ClientSampled :



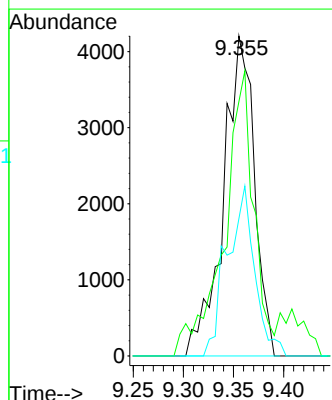
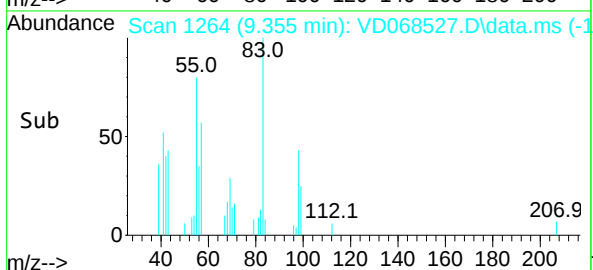
Tgt Ion: 117 Resp: 28522
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.7 37.1#

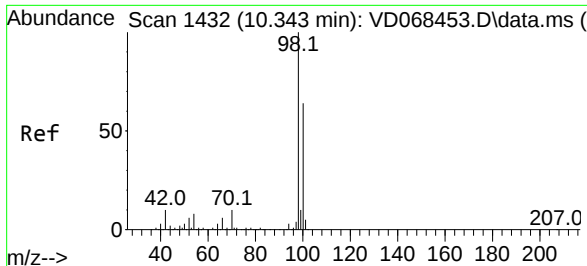


#39
Methylcyclohexane
Concen: 1.49 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05



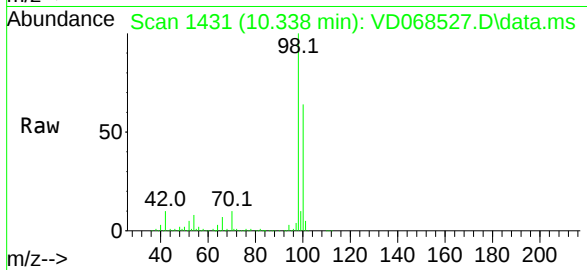
Tgt Ion: 83 Resp: 9067
Ion Ratio Lower Upper
83 100
55 72.7 55.2 82.8
98 42.9 39.1 58.7



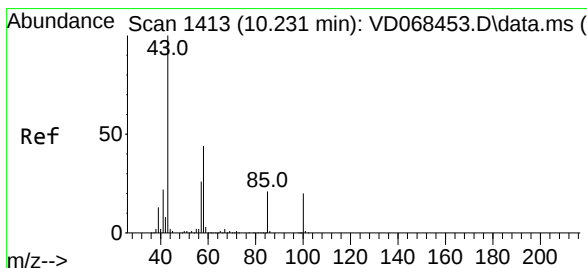
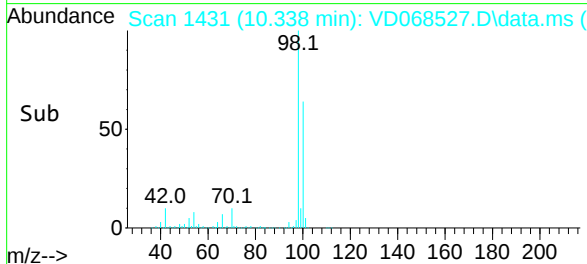
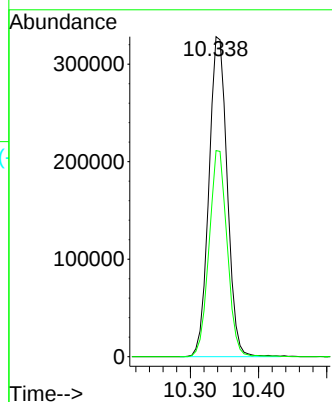


#50
Toluene-d8
Concen: 49.16 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Instrument :
MSVOA_D
ClientSampled :

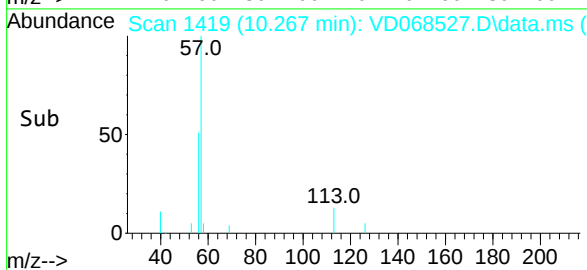
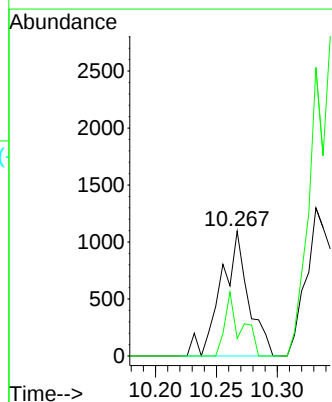
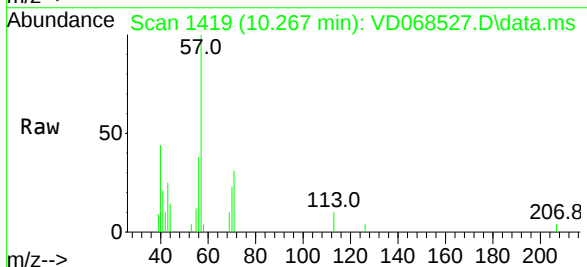


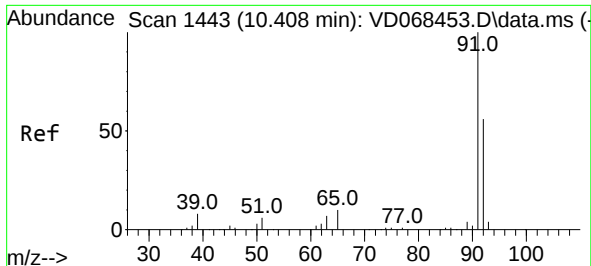
Tgt Ion: 98 Resp: 612150
Ion Ratio Lower Upper
98 100
100 63.7 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.09 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.036 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
58 30.2 36.1 54.1#

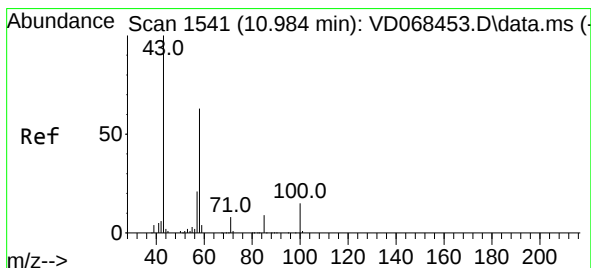
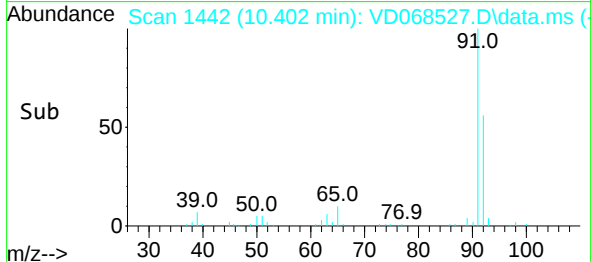
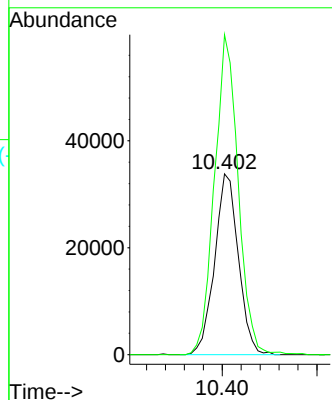
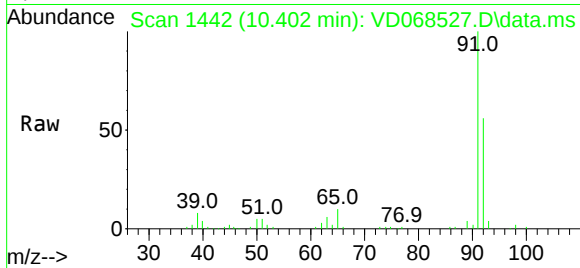




#52
Toluene
Concen: 6.52 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

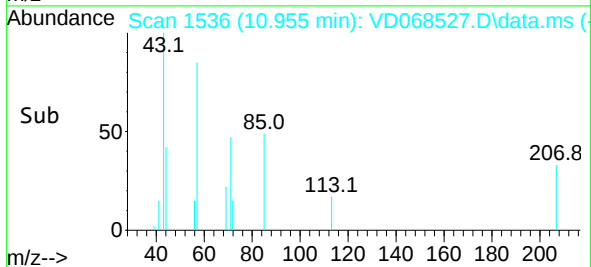
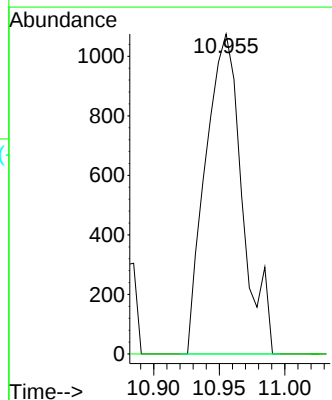
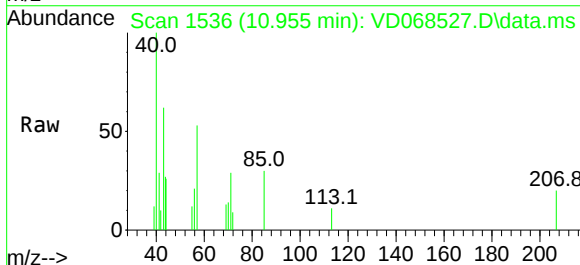
Instrument :
MSVOA_D
ClientSampled :

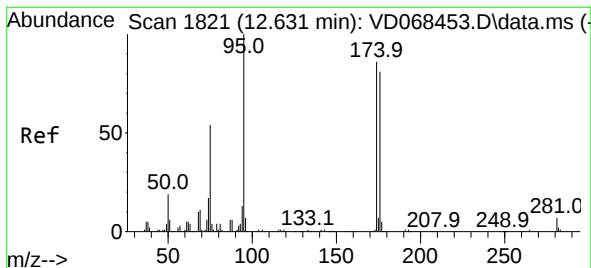
Tgt Ion: 92 Resp: 58919
Ion Ratio Lower Upper
92 100
91 176.7 134.1 201.1



#59
2-Hexanone
Concen: 1.98 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.029 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
58 0.0 31.0 93.0#

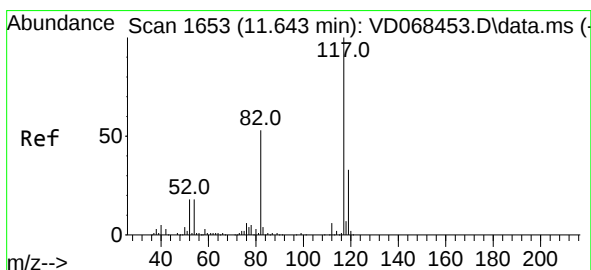
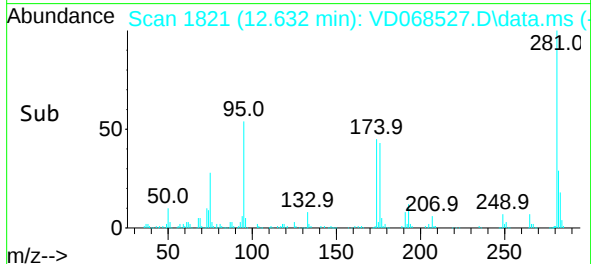
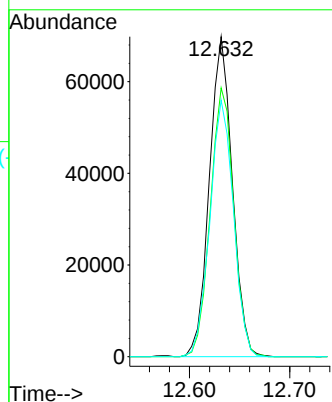
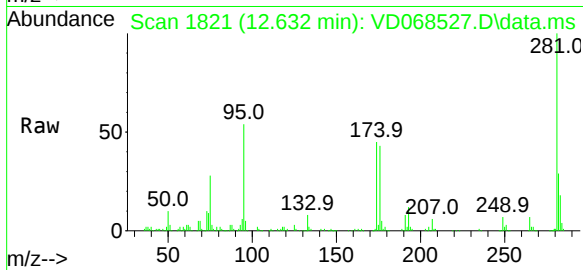




#62
4-Bromofluorobenzene
Concen: 27.70 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

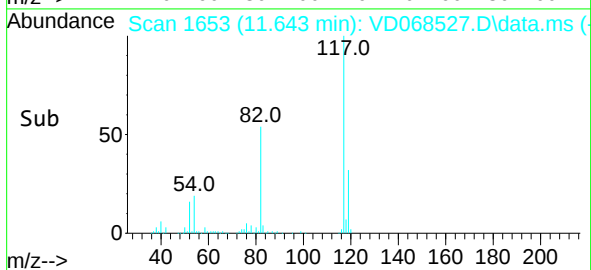
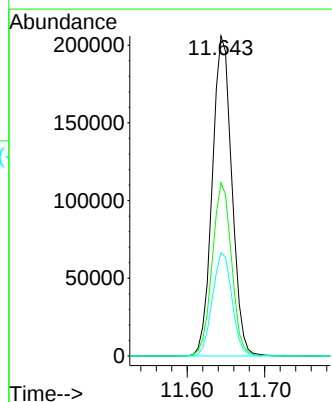
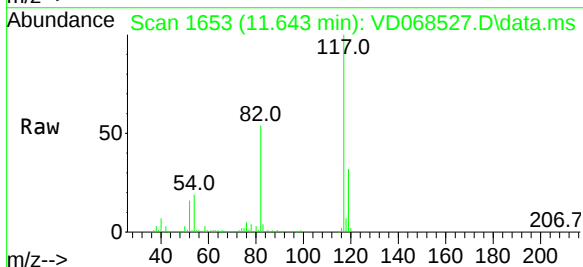
Instrument :
MSVOA_D
ClientSampleId :

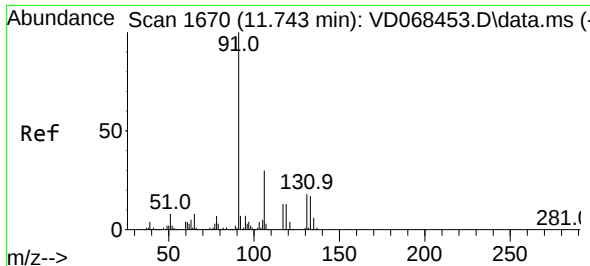
Tgt Ion: 95 Resp: 111140
Ion Ratio Lower Upper
95 100
174 85.6 0.0 172.4
176 82.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 117 Resp: 360642
Ion Ratio Lower Upper
117 100
82 54.1 41.4 62.0
119 32.3 26.1 39.1

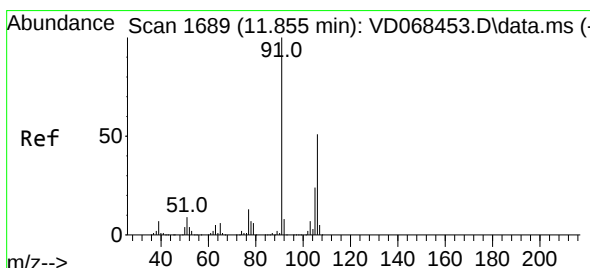
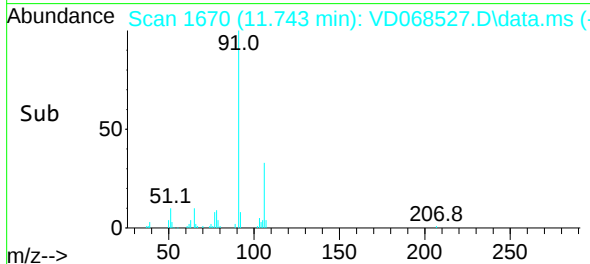
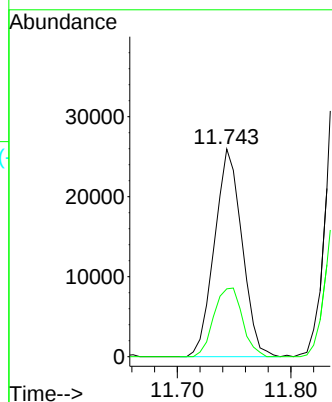
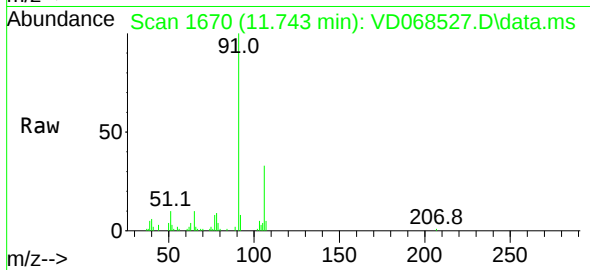




#67
Ethyl Benzene
Concen: 3.34 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

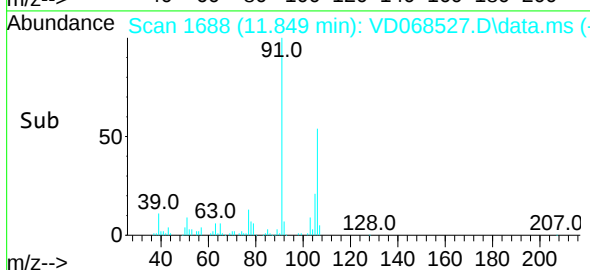
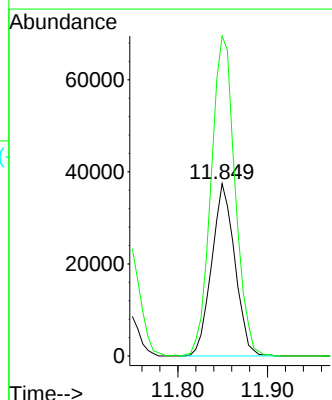
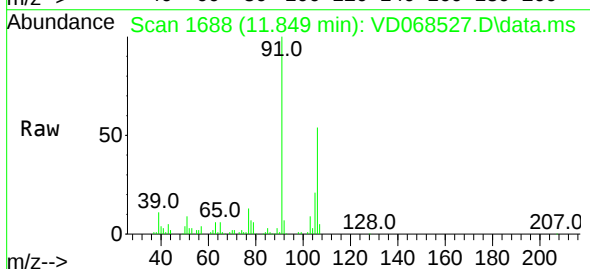
Instrument :
MSVOA_D
ClientSampled :

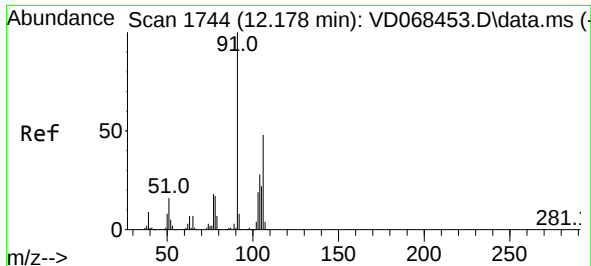
Tgt Ion: 91 Resp: 43759
Ion Ratio Lower Upper
91 100
106 32.7 25.9 38.9



#68
m/p-Xylenes
Concen: 13.47 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 106 Resp: 67072
Ion Ratio Lower Upper
106 100
91 192.6 159.1 238.7

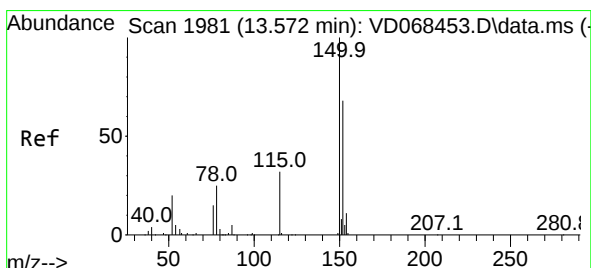
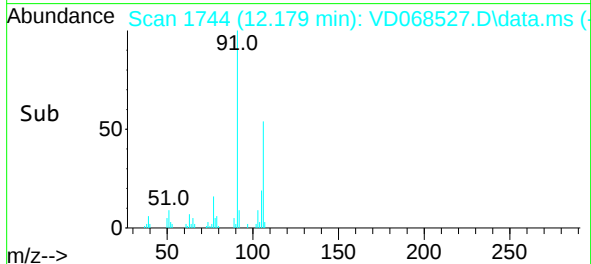
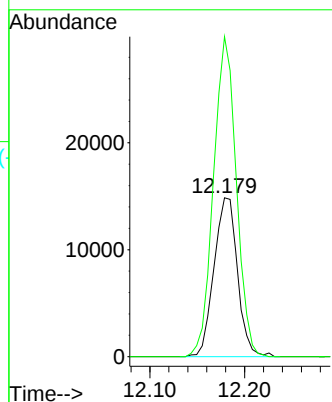
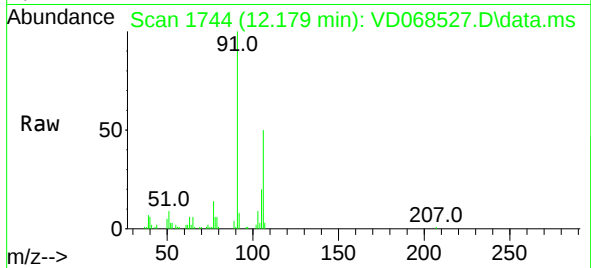




#69
o-Xylene
Concen: 5.59 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

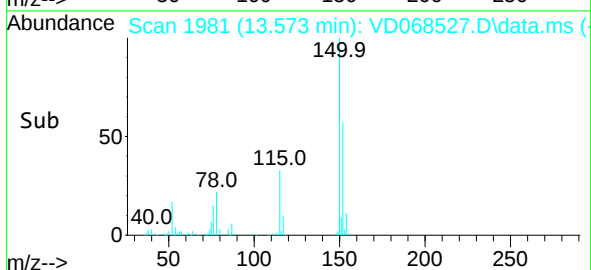
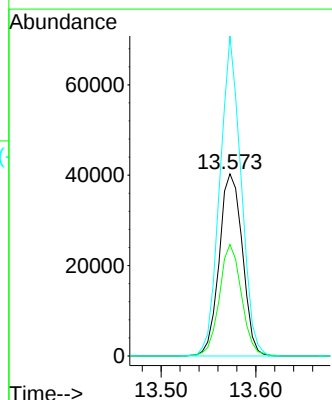
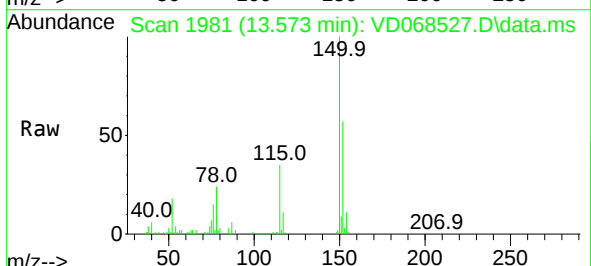
Instrument :
MSVOA_D
ClientSampled :

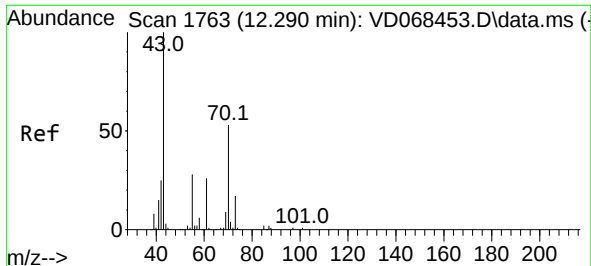
Tgt Ion:106 Resp: 25615
Ion Ratio Lower Upper
106 100
91 195.4 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

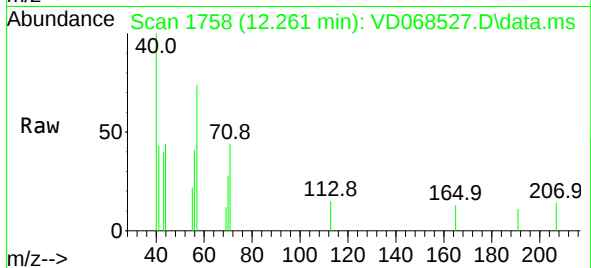
Tgt Ion:152 Resp: 68590
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 160.9 0.0 344.4



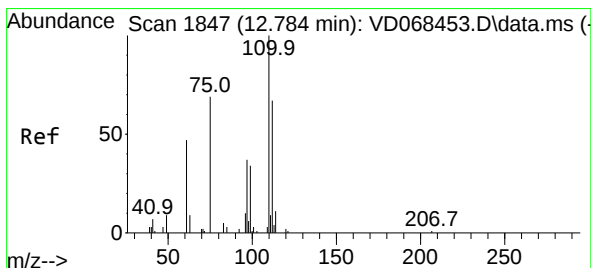
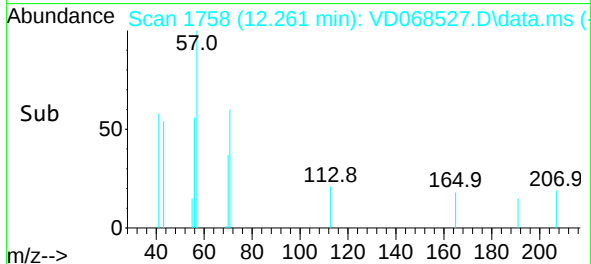
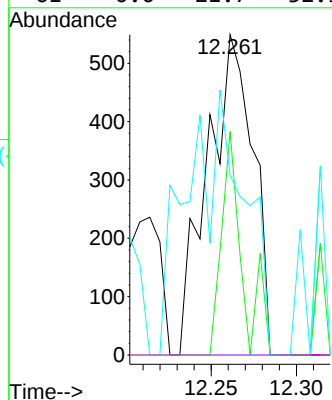


#74
N-amy1 acetate
Concen: 1.18 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.029 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Instrument :
MSVOA_D
ClientSampled :

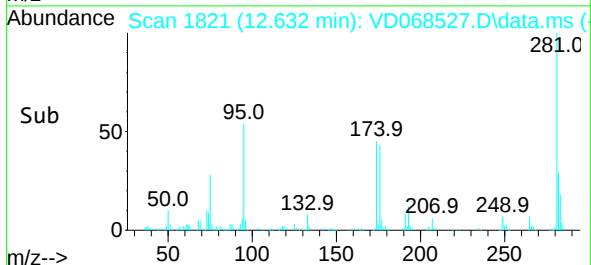
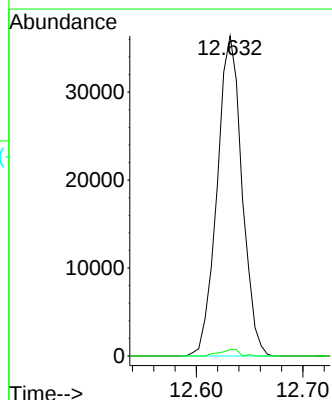
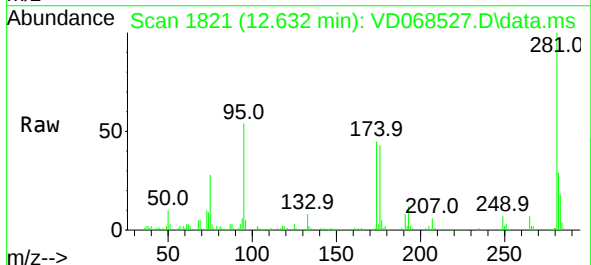


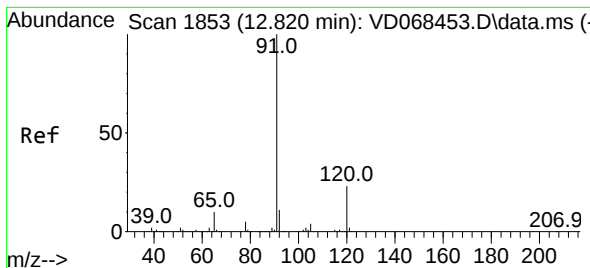
Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.3	41.8	62.8#
55	48.9	24.2	36.4#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 96.79 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

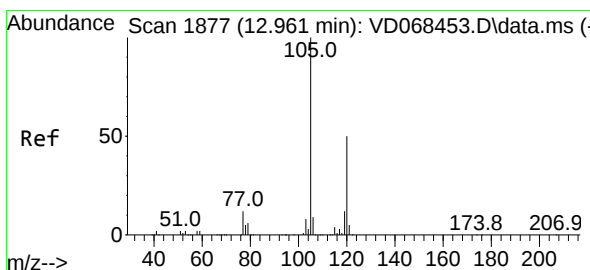
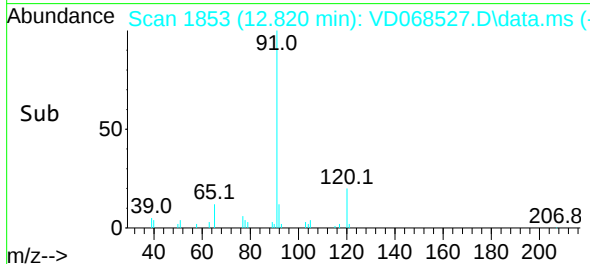
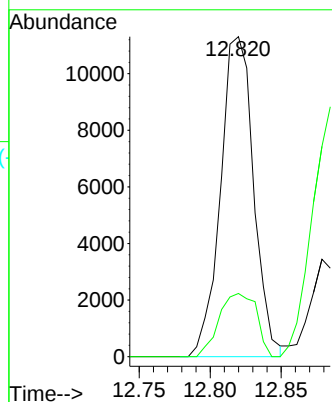
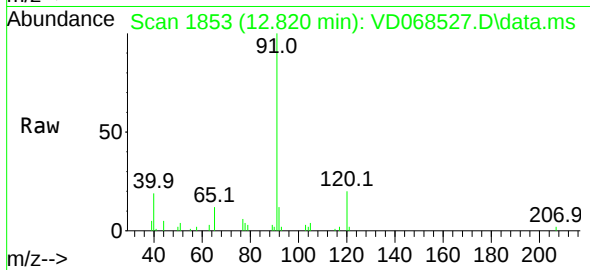




#78
n-propylbenzene
Concen: 3.01 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

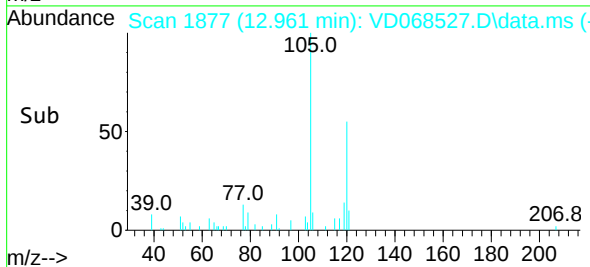
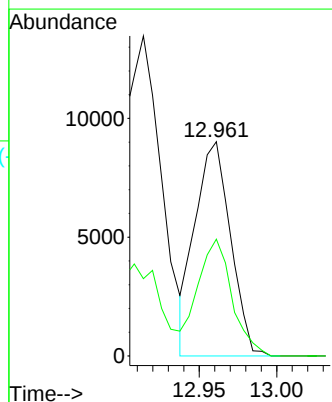
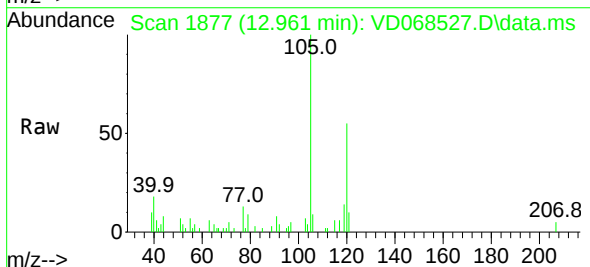
Instrument :
MSVOA_D
ClientSampled :

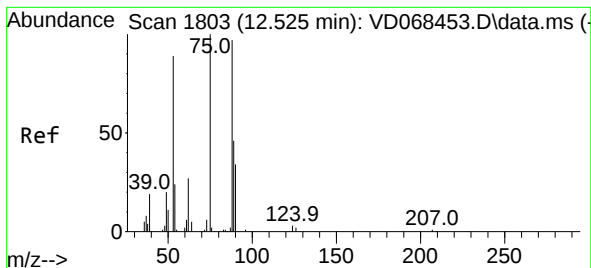
Tgt Ion: 91 Resp: 18325
Ion Ratio Lower Upper
91 100
120 22.3 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 3.45 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 105 Resp: 14368
Ion Ratio Lower Upper
105 100
120 52.8 24.2 72.6

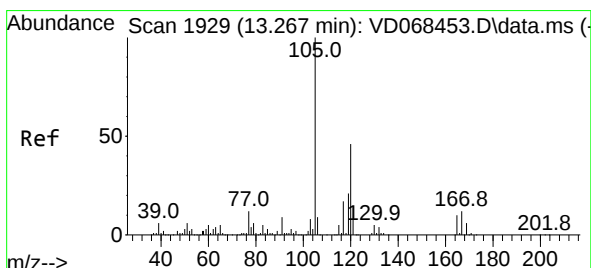
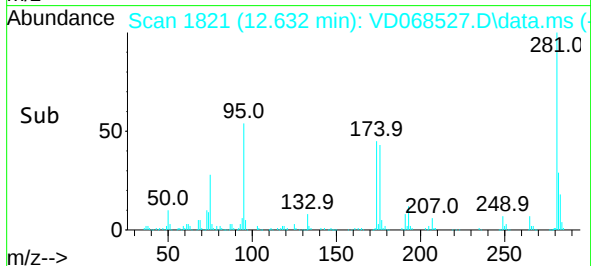
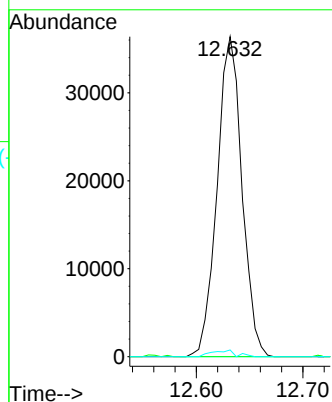
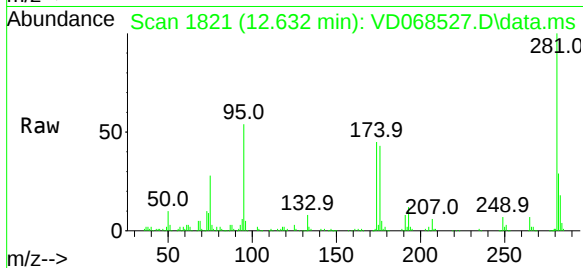




#81
trans-1,4-Dichloro-2-butene
Concen: 225.87 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58936
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 1.9 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 11.07 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068527.D
Acq: 04 Mar 2021 16:05

Tgt Ion: 105 Resp: 46216
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.0

