

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068168.D
 Acq On : 25 Jan 2021 14:35
 Operator : VA/SY
 Sample : M1218-03
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

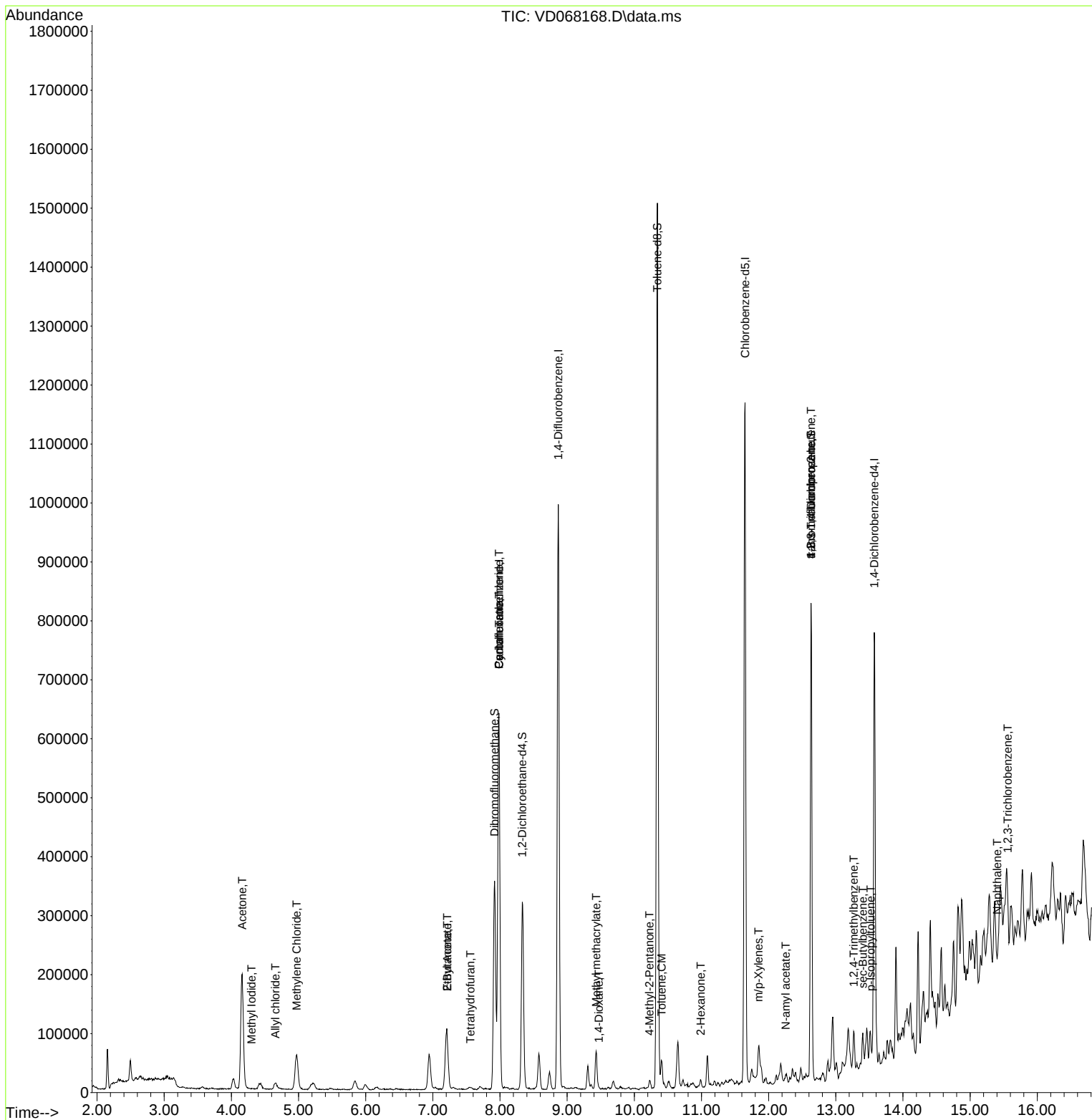
Instrument :
 MSVOA_D
 ClientSampleId :

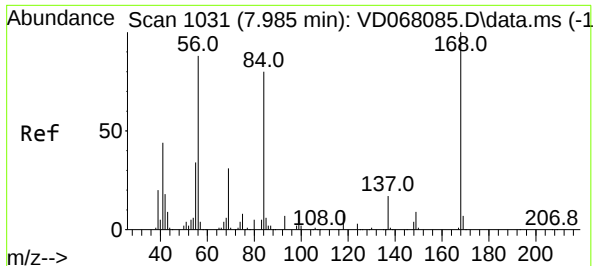
Quant Time: Jan 26 00:08:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	491683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	879969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	692322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202313	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	255260	54.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.54%			
35) Dibromofluoromethane	7.920	113	261833	53.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.64%			
50) Toluene-d8	10.344	98	1044012	53.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.30%			
62) 4-Bromofluorobenzene	12.632	95	270553	38.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.22%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	493	3.24	ug/l #	53
11) Tert butyl alcohol	5.220	59	22161	Below Cal	#	94
14) Allyl chloride	4.656	41	20808	2.66	ug/l #	32
16) Acetone	4.162	43	341994	407.22	ug/l	93
20) Methylene Chloride	4.973	84	48567	4.65	ug/l #	83
25) 2-Butanone	7.214	43	85120	67.31	ug/l	94
29) Tetrahydrofuran	7.561	42	2077	2.53	ug/l #	54
31) Cyclohexane	7.985	56	12046	1.18	ug/l #	48
37) Ethyl Acetate	7.214	43	85120	27.12	ug/l #	64
38) Carbon Tetrachloride	7.985	117	49479	5.96	ug/l #	15
48) Methyl methacrylate	9.432	41	16462	5.06	ug/l #	35
49) 1,4-Dioxane	9.473	88	66	1.83	ug/l #	30
51) 4-Methyl-2-Pentanone	10.226	43	9833	3.23	ug/l	99
52) Toluene	10.408	92	19942	1.23	ug/l	98
59) 2-Hexanone	10.991	43	8631	4.09	ug/l	89
68) m/p-Xylenes	11.849	106	14905	1.45	ug/l	94
74) N-amyl acetate	12.255	43	8292	2.37	ug/l #	41
76) 1,2,3-Trichloropropane	12.632	75	139783	71.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	139783	144.60	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.267	105	42504	3.05	ug/l	98
85) sec-Butylbenzene	13.402	105	32782	1.97	ug/l	99
86) p-Isopropyltoluene	13.520	119	24407	1.61	ug/l	96
95) Naphthalene	15.402	128	8726	1.14	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.561	180	6183	1.80	ug/l #	1

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

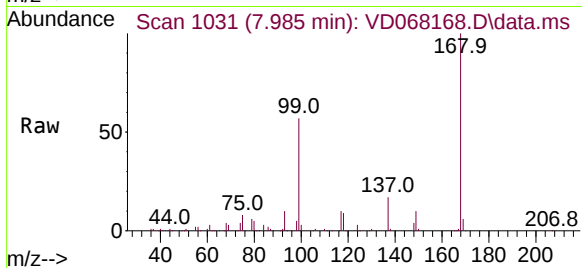
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration



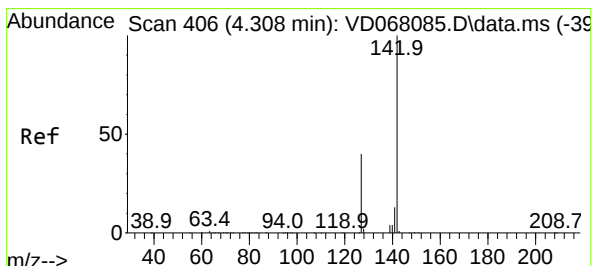
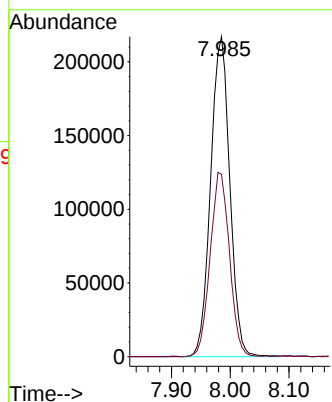
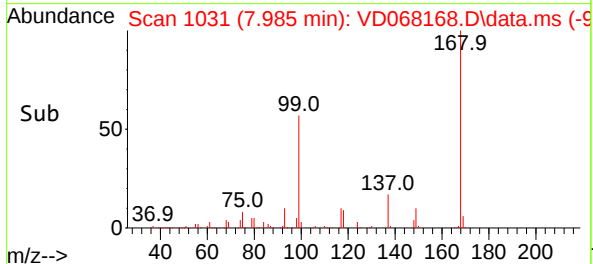


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

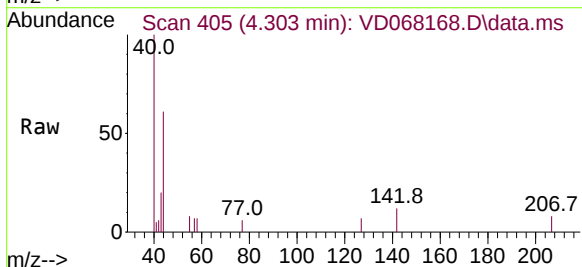
Instrument :
MSVOA_D
ClientSampled :



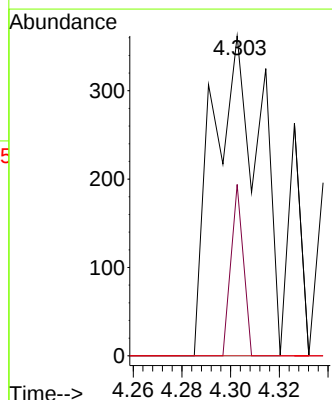
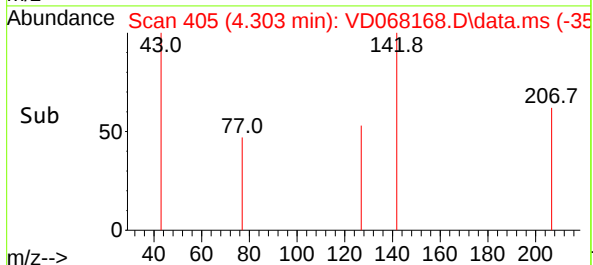
Tgt Ion:168 Resp: 491683
Ion Ratio Lower Upper
168 100
99 57.0 43.5 65.3

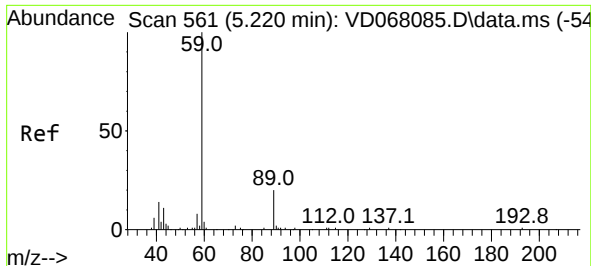


#10
Methyl Iodide
Concen: 3.24 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35



Tgt Ion:142 Resp: 493
Ion Ratio Lower Upper
142 100
127 13.8 37.9 56.9#
141 0.0 11.5 17.3#

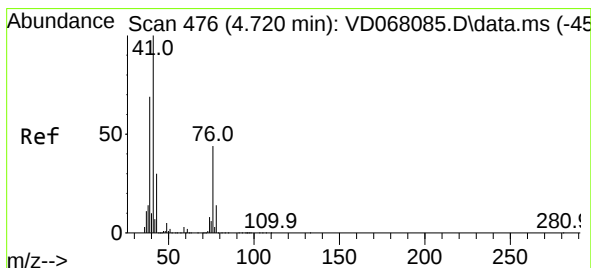
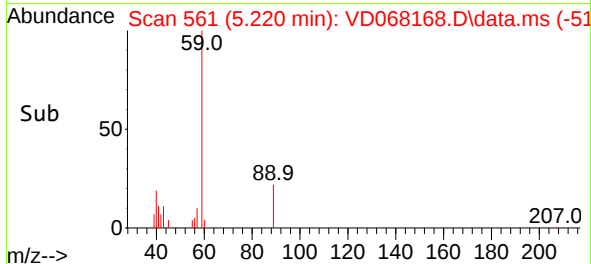
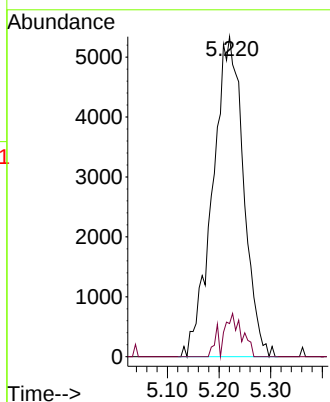
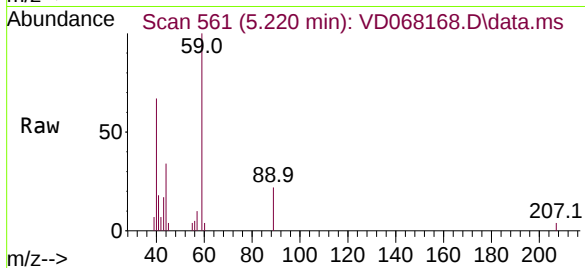




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

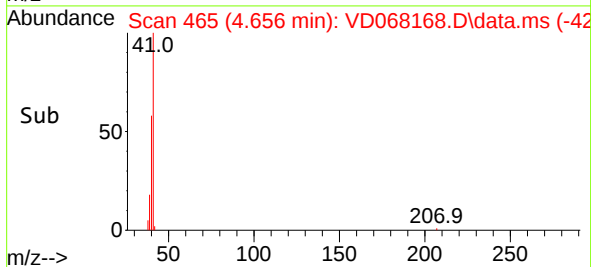
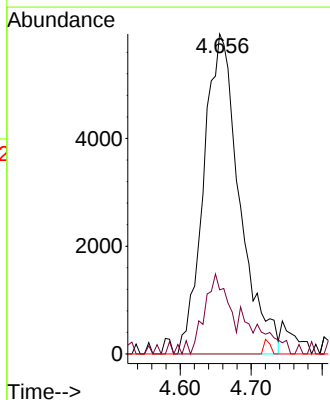
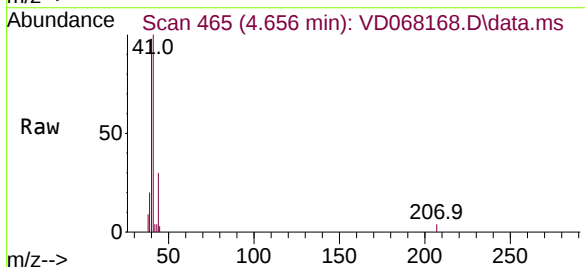
Instrument :
MSVOA_D
ClientSampled :

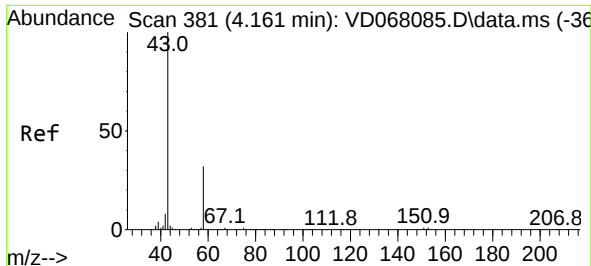
Tgt Ion: 59 Resp: 22161
Ion Ratio Lower Upper
59 100
57 7.1 7.4 11.2#



#14
Allyl chloride
Concen: 2.66 ug/l
RT: 4.656 min Scan# 465
Delta R.T. -0.064 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

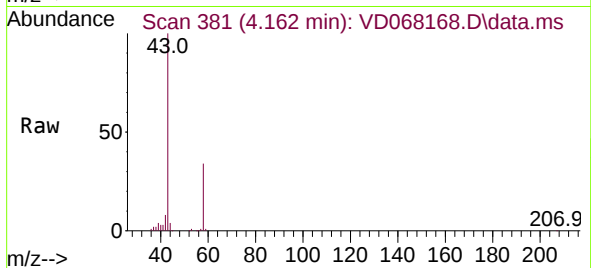
Tgt Ion: 41 Resp: 20808
Ion Ratio Lower Upper
41 100
39 16.8 56.3 84.5#
76 0.0 38.9 58.3#



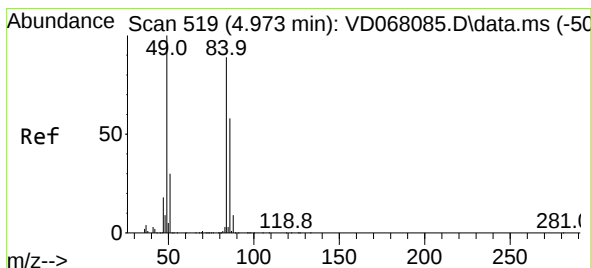
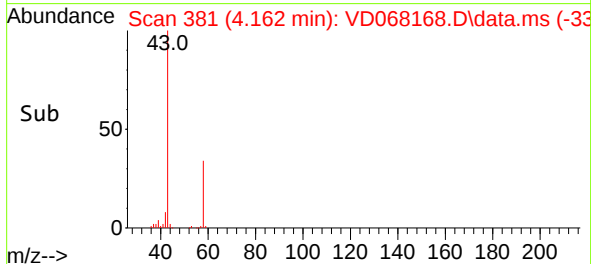
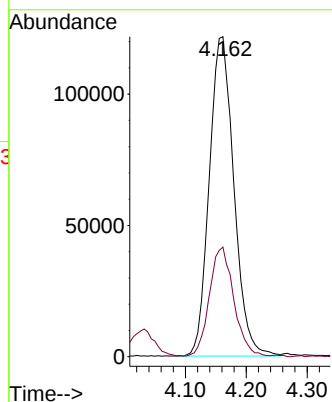


#16
Acetone
Concen: 407.22 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Instrument :
MSVOA_D
ClientSampled :

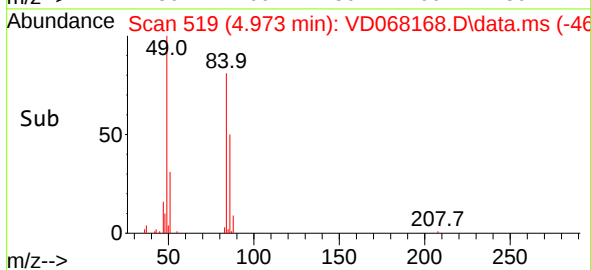
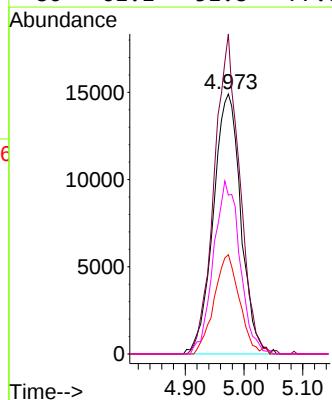
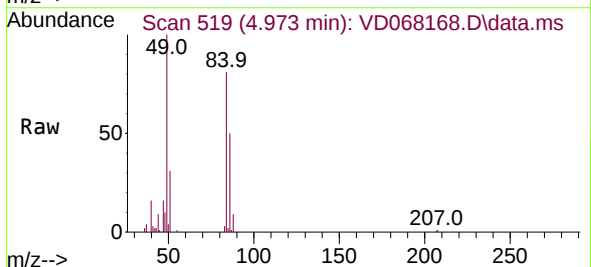


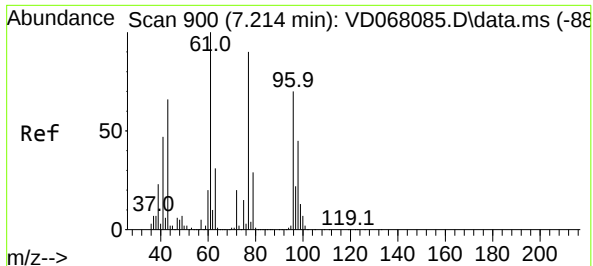
Tgt Ion: 43 Resp: 341994
Ion Ratio Lower Upper
43 100
58 34.0 24.2 36.4



#20
Methylene Chloride
Concen: 4.65 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 84 Resp: 48567
Ion Ratio Lower Upper
84 100
49 123.1 77.4 116.2#
51 38.2 26.1 39.1
86 61.1 51.8 77.8

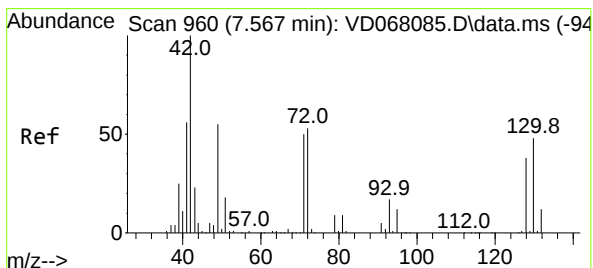
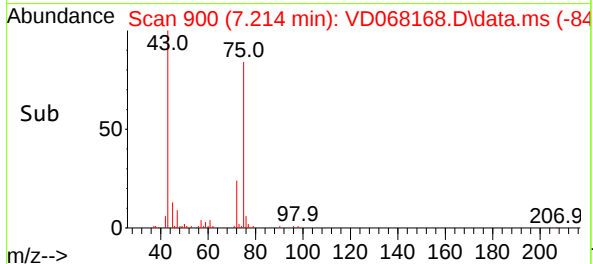
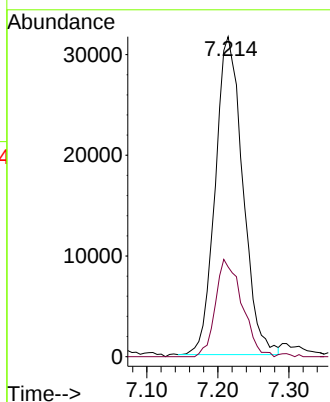
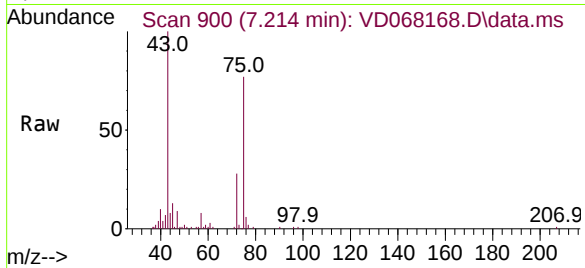




#25
2-Butanone
Concen: 67.31 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

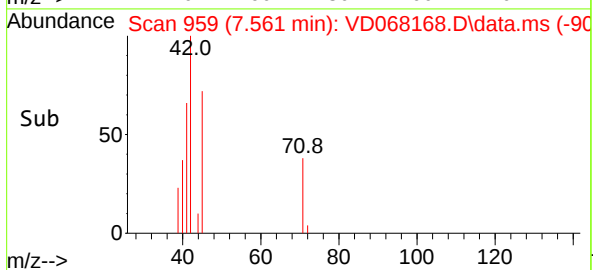
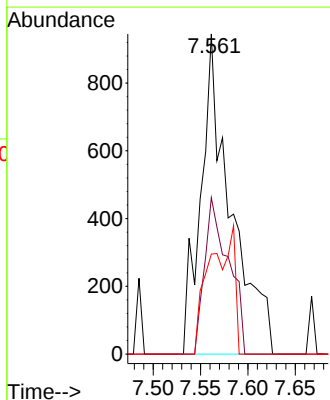
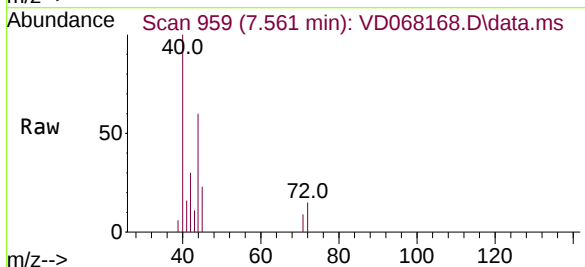
Instrument :
MSVOA_D
ClientSampled :

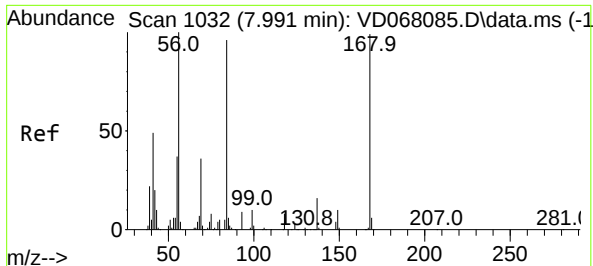
Tgt Ion: 43 Resp: 85120
Ion Ratio Lower Upper
43 100
72 28.2 25.1 37.7



#29
Tetrahydrofuran
Concen: 2.53 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 42 Resp: 2077
Ion Ratio Lower Upper
42 100
72 39.1 43.4 65.0#
71 0.0 40.8 61.2#

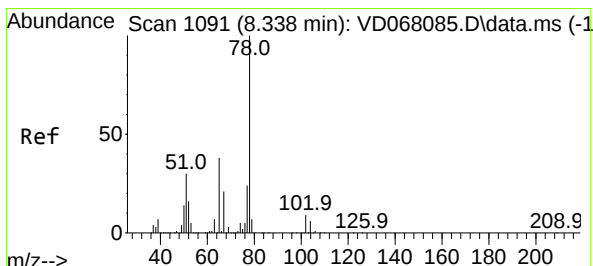
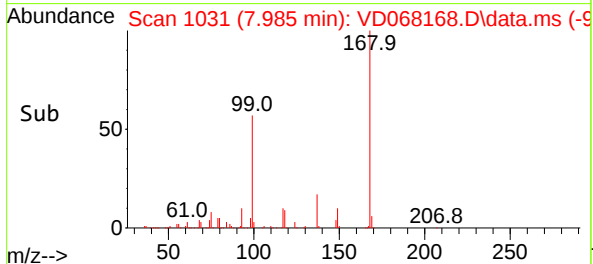
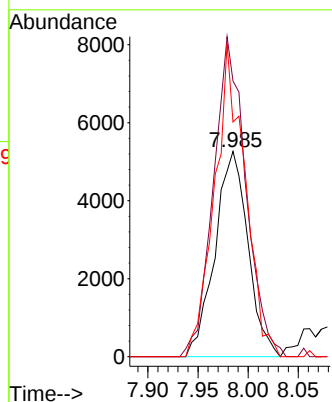
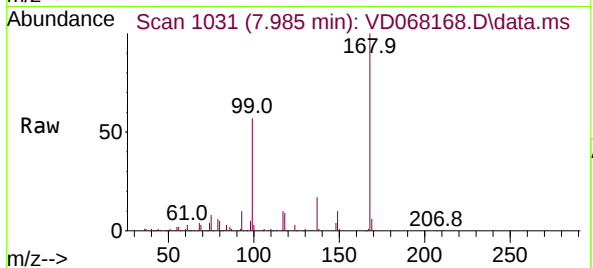




#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

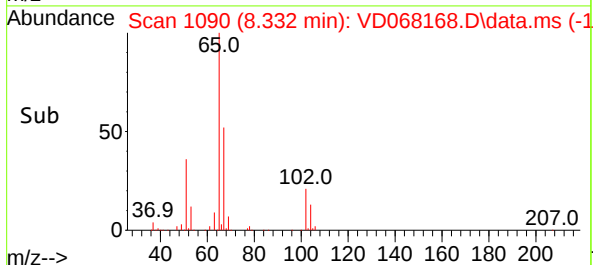
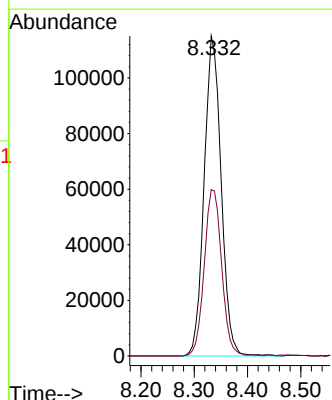
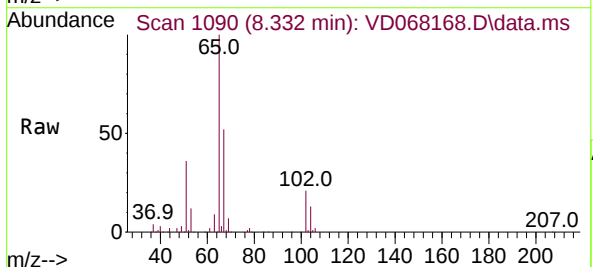
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MSVOA_D
ClientSampled :

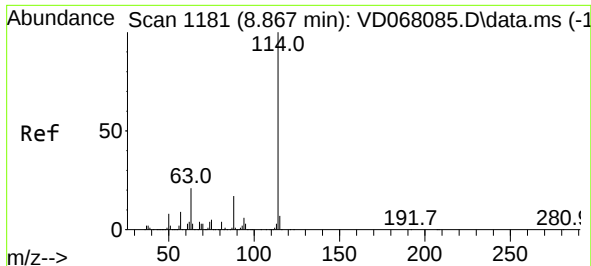
Tgt Ion: 56 Resp: 12046
Ion Ratio Lower Upper
56 100
69 134.3 30.1 45.1#
84 114.4 82.1 123.1



#33
1,2-Dichloroethane-d4
Concen: 54.27 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 65 Resp: 255260
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068168.D

Acq: 25 Jan 2021 14:35

Tgt Ion:114 Resp: 879969

Ion Ratio Lower Upper

114 100

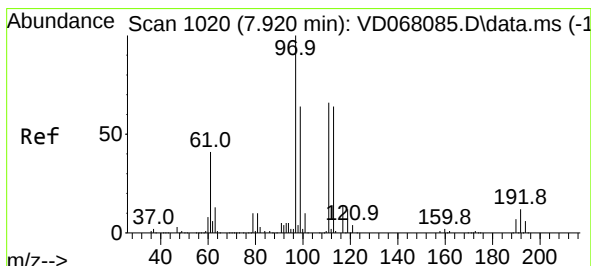
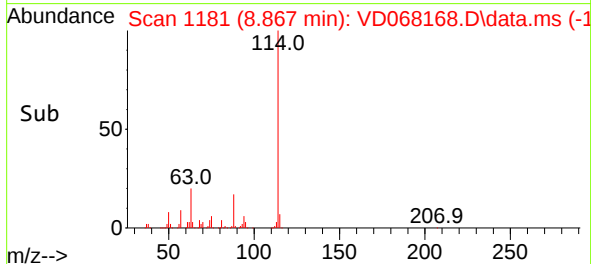
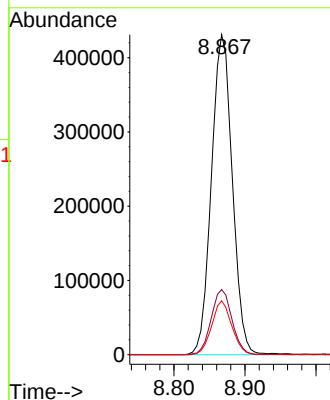
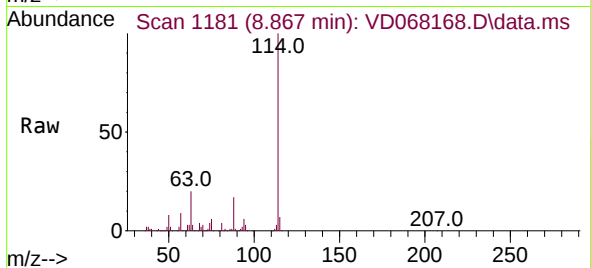
63 20.4 0.0 34.8

88 16.8 0.0 31.6

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 53.82 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068168.D

Acq: 25 Jan 2021 14:35

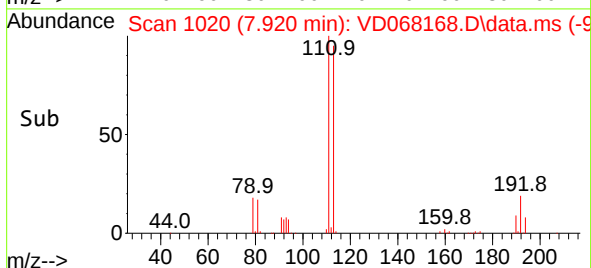
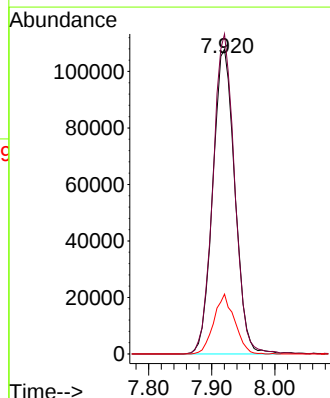
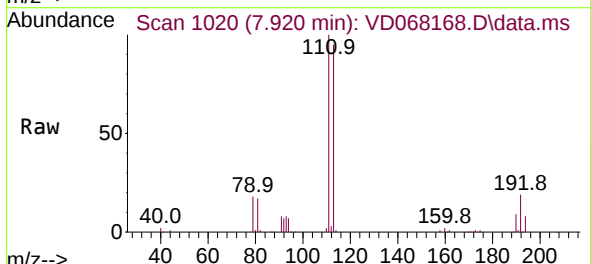
Tgt Ion:113 Resp: 261833

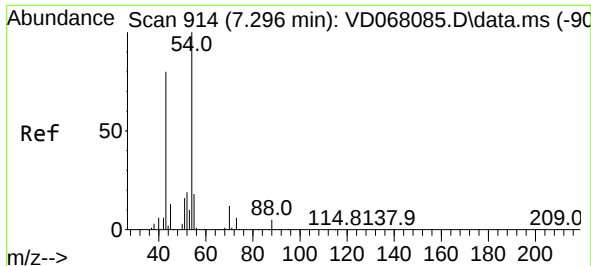
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

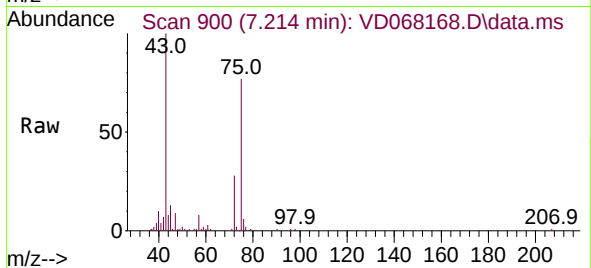
192 18.4 16.1 24.1



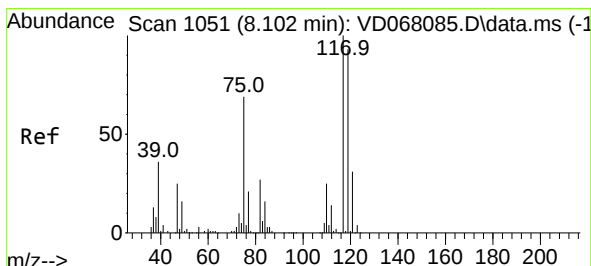
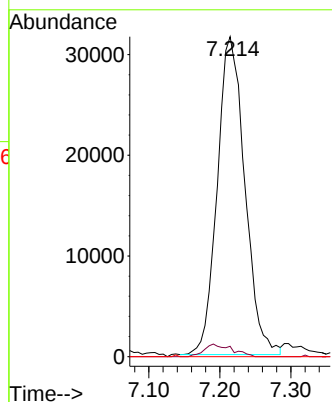
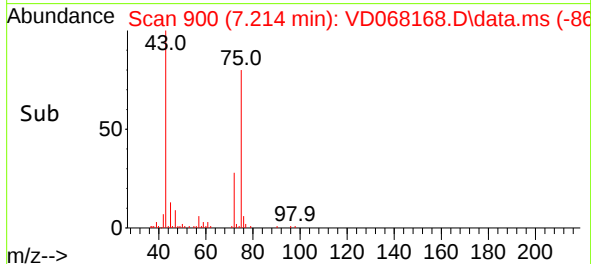


#37
Ethyl Acetate
Concen: 27.12 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.082 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

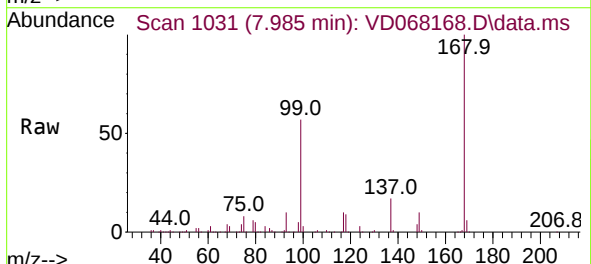
Instrument :
MSVOA_D
ClientSampleId :



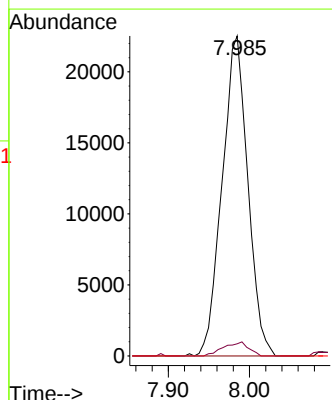
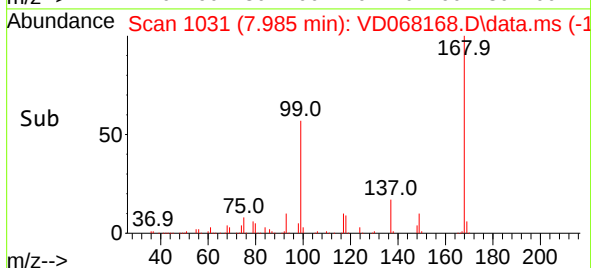
Tgt Ion: 43 Resp: 85120
Ion Ratio Lower Upper
43 100
61 0.0 12.9 19.3#
70 0.0 11.0 16.6#

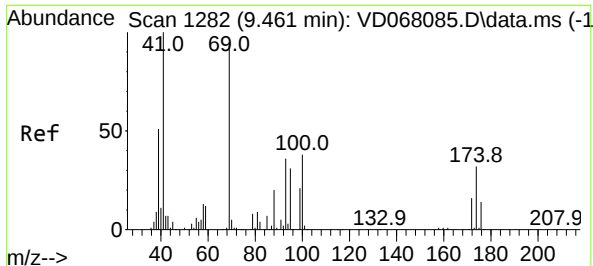


#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35



Tgt Ion: 117 Resp: 49479
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 5.06 ug/l

RT: 9.432 min Scan# 1277

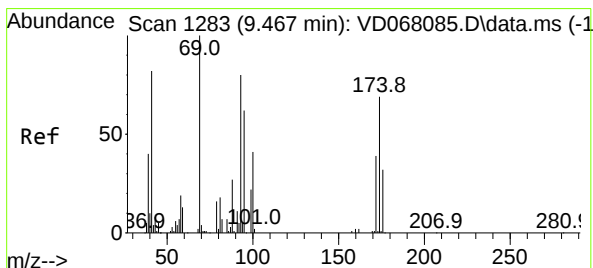
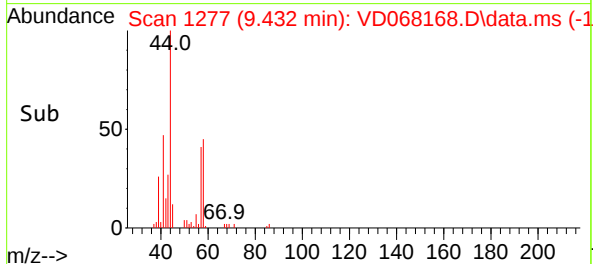
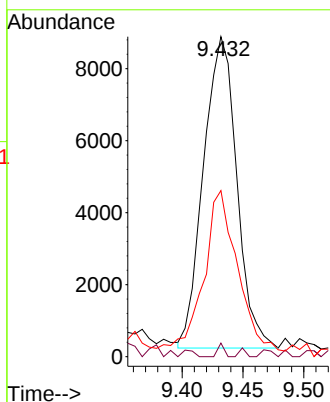
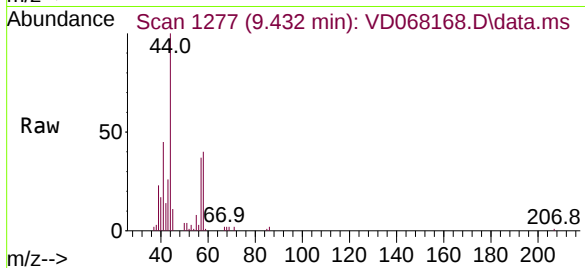
Delta R.T. -0.029 min

Lab File: VD068168.D

Acq: 25 Jan 2021 14:35

Tgt Ion:	41	Resp:	16462
Ion	Ratio	Lower	Upper
41	100		
69	0.8	77.1	115.7#
39	55.2	41.5	62.3

Instrument :
MSVOA_D
ClientSampled :



#49

1,4-Dioxane

Concen: 1.83 ug/l

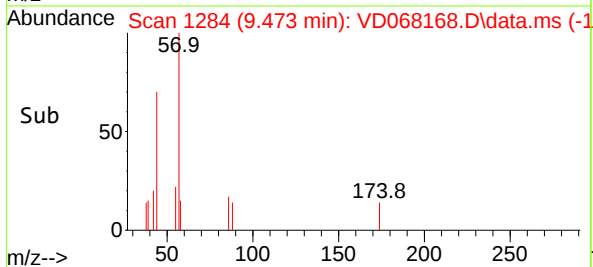
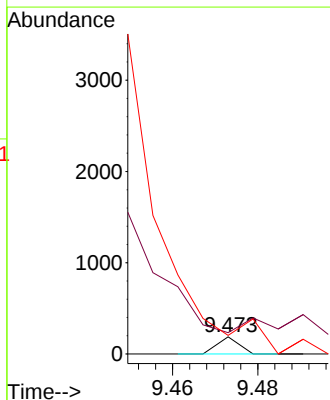
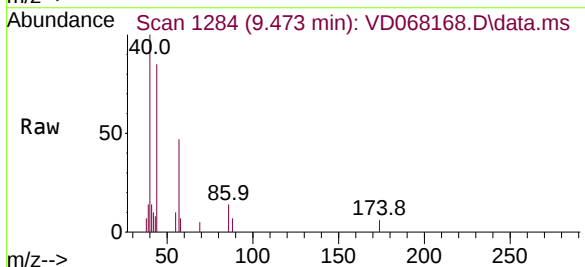
RT: 9.473 min Scan# 1284

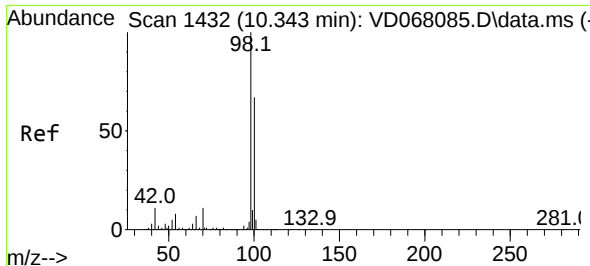
Delta R.T. 0.006 min

Lab File: VD068168.D

Acq: 25 Jan 2021 14:35

Tgt Ion:	88	Resp:	66
Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	0.0	46.7	70.1#

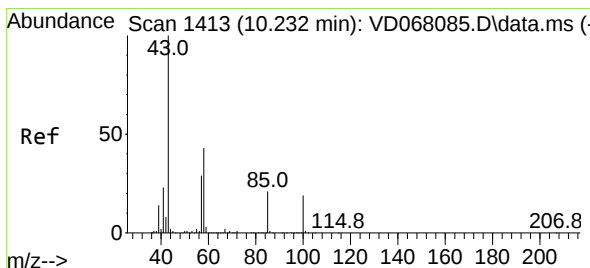
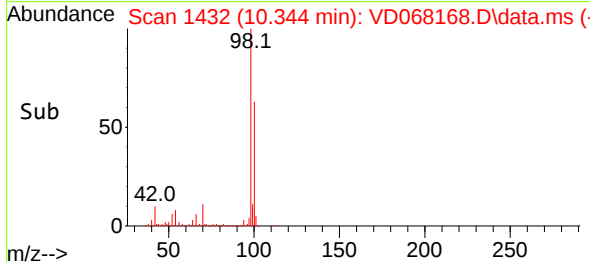
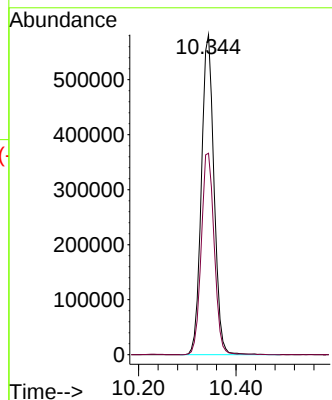
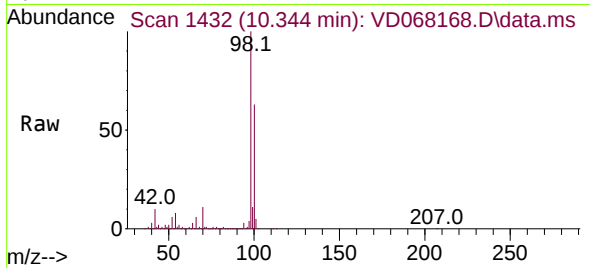




#50
Toluene-d8
Concen: 53.65 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

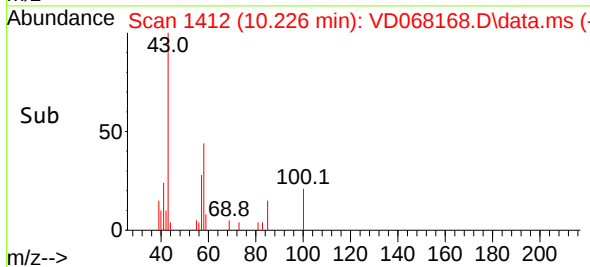
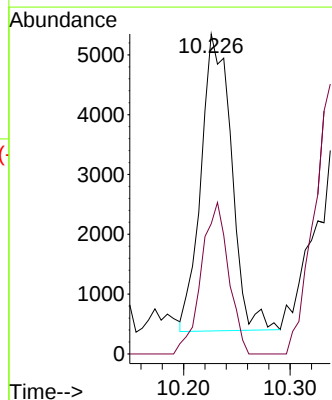
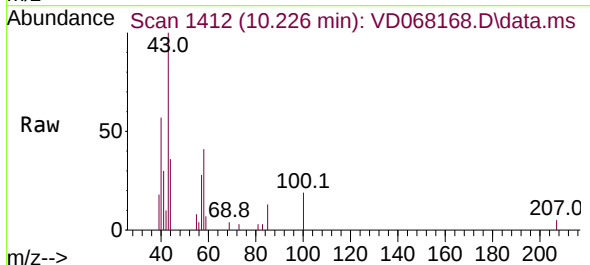
Instrument :
MSVOA_D
ClientSampled :

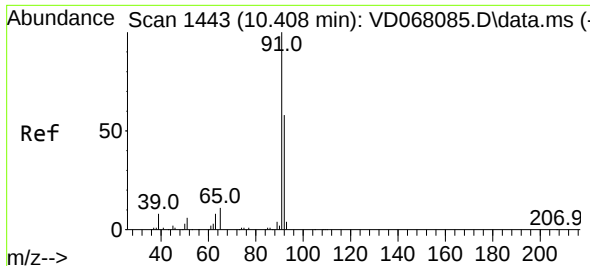
Tgt Ion: 98 Resp: 1044012
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 3.23 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 43 Resp: 9833
Ion Ratio Lower Upper
43 100
58 45.8 36.1 54.1

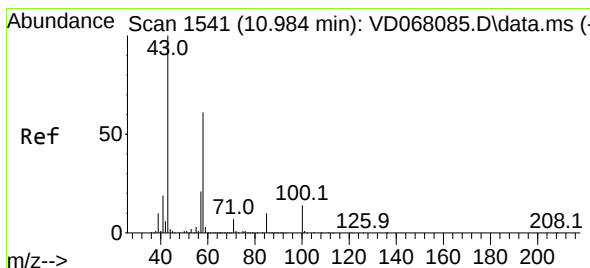
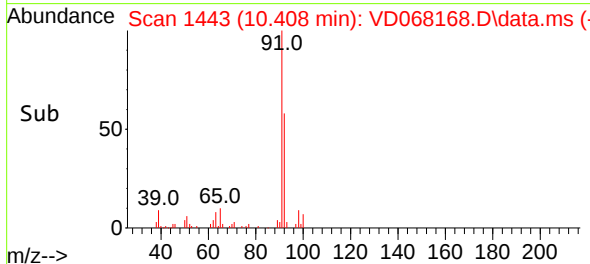
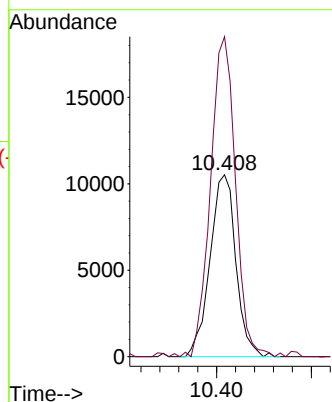
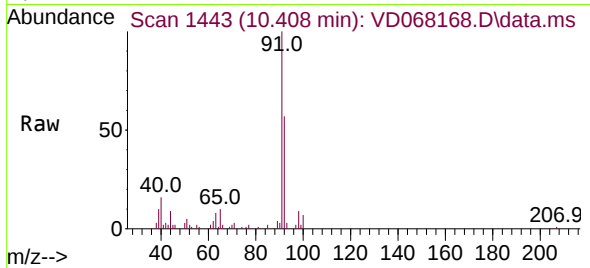




#52
Toluene
Concen: 1.23 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

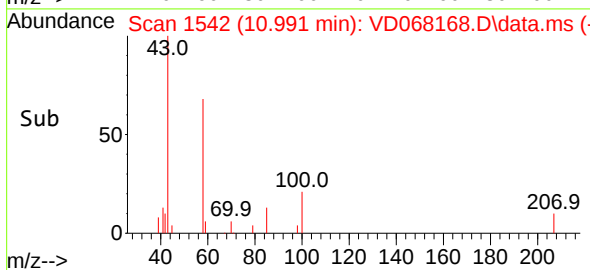
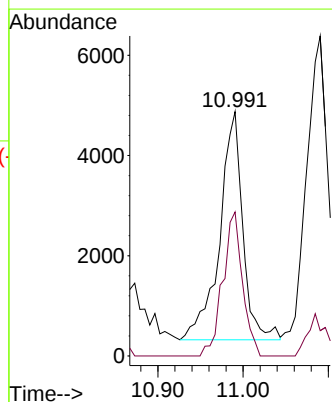
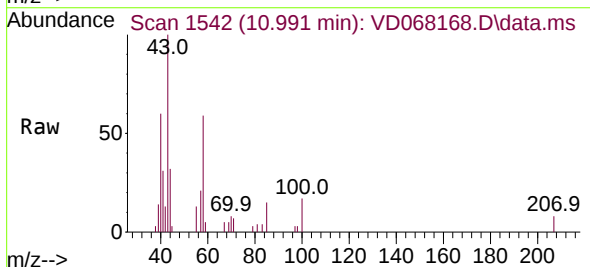
Instrument :
MSVOA_D
ClientSampled :

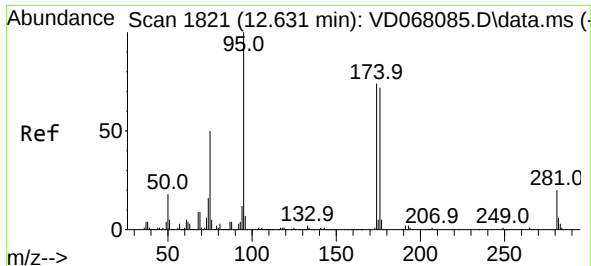
Tgt Ion: 92 Resp: 19942
Ion Ratio Lower Upper
92 100
91 169.8 134.1 201.1



#59
2-Hexanone
Concen: 4.09 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 43 Resp: 8631
Ion Ratio Lower Upper
43 100
58 53.4 31.0 93.0

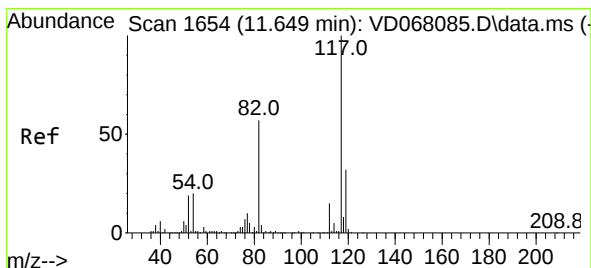
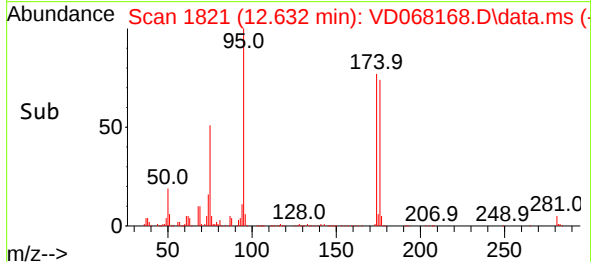
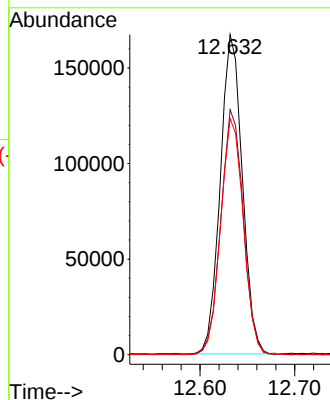
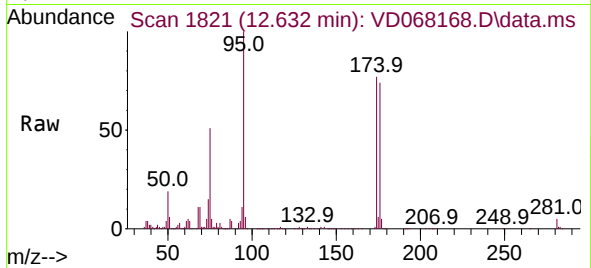




#62
4-Bromofluorobenzene
Concen: 38.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

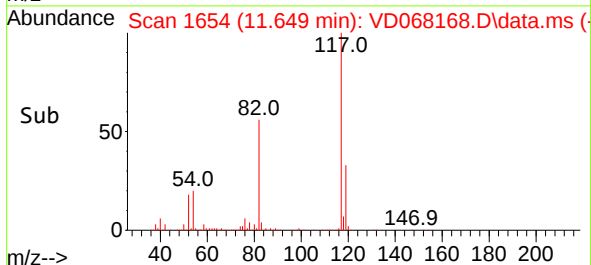
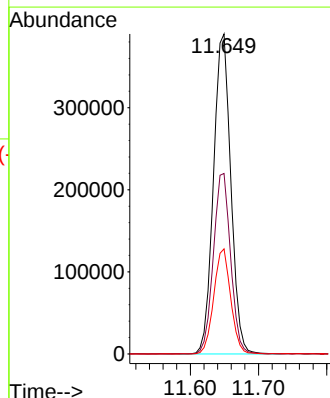
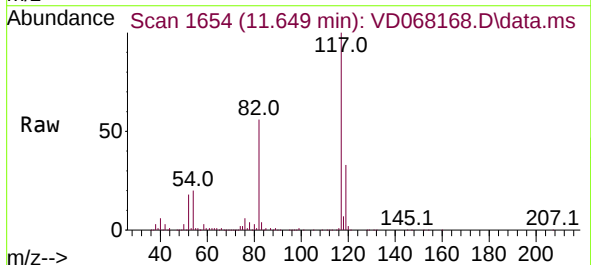
Instrument :
MSVOA_D
ClientSampleId :

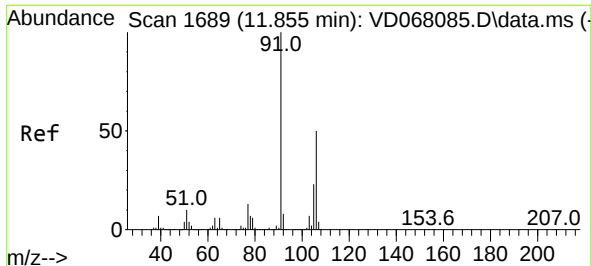
Tgt Ion: 95 Resp: 270553
Ion Ratio Lower Upper
95 100
174 78.3 0.0 172.4
176 76.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 117 Resp: 692322
Ion Ratio Lower Upper
117 100
82 56.4 41.4 62.0
119 32.9 26.1 39.1

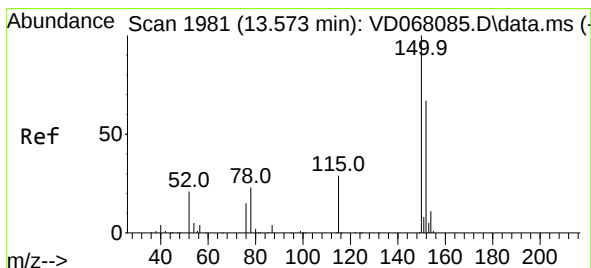
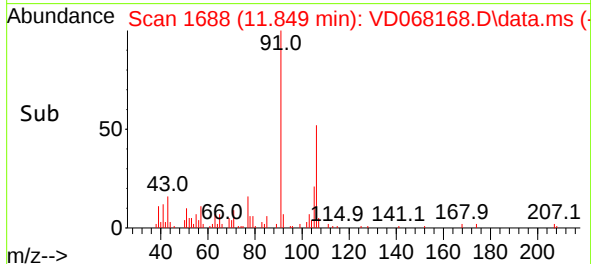
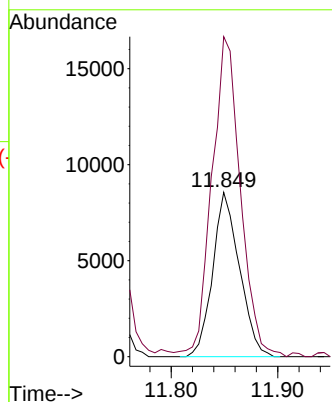
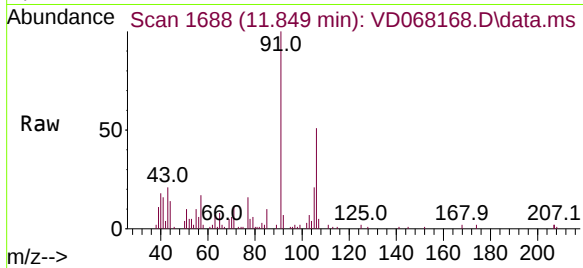




#68
m/p-Xylenes
Concen: 1.45 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

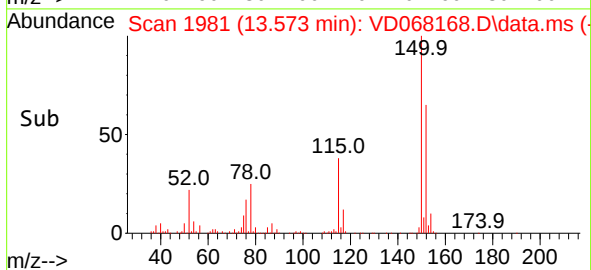
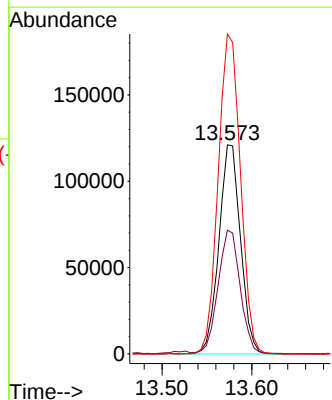
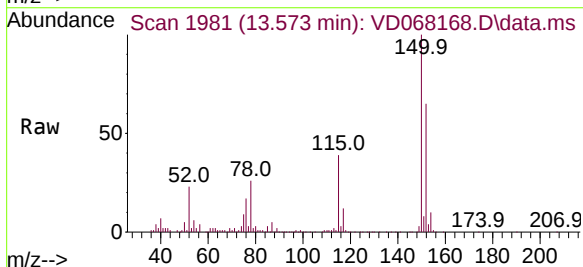
Instrument :
MSVOA_D
ClientSampleId :

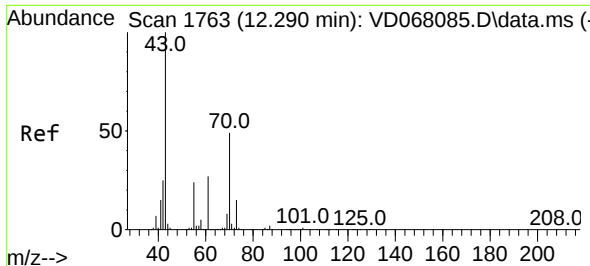
Tgt Ion:106 Resp: 14905
Ion Ratio Lower Upper
106 100
91 207.7 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

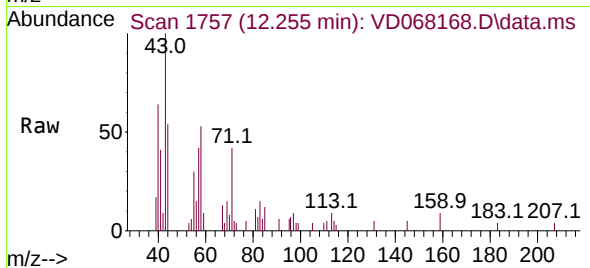
Tgt Ion:152 Resp: 202313
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.8
150 157.9 0.0 344.4



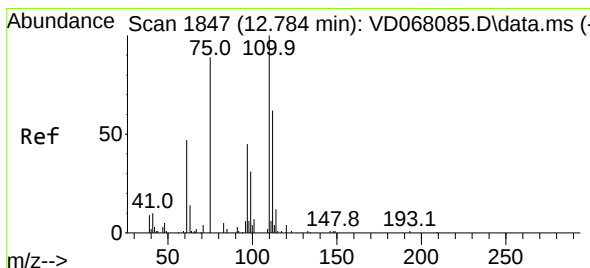
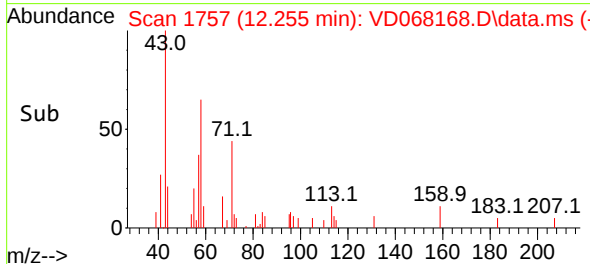
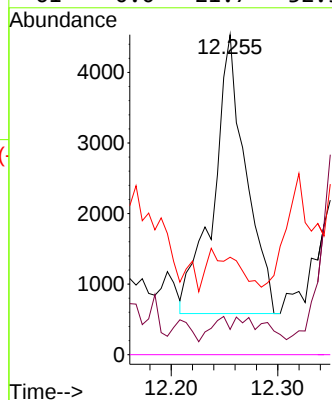


#74
N-amy1 acetate
Concen: 2.37 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.035 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Instrument :
MSVOA_D
ClientSampled :

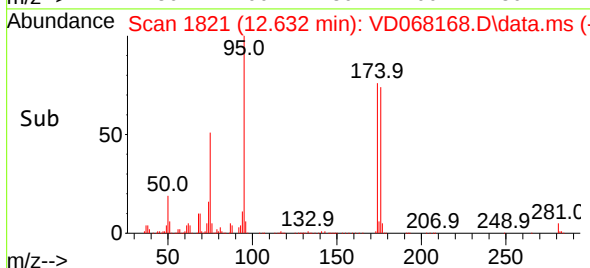
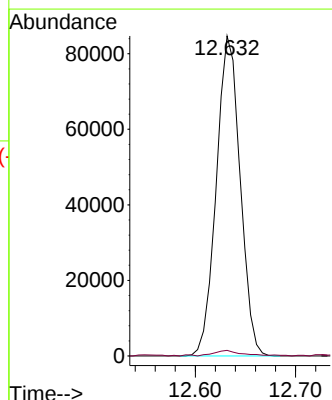
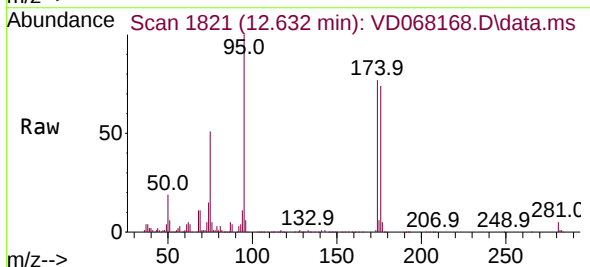


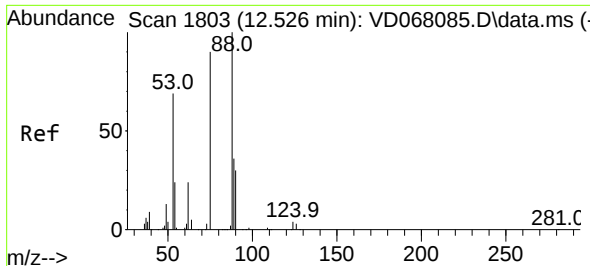
Tgt Ion: 43	Resp: 8292
Ion Ratio	Lower Upper
43 100	
70 7.1	41.8 62.8#
55 0.0	24.2 36.4#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 71.46 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

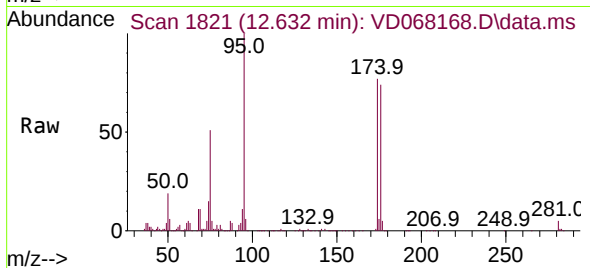
Tgt Ion: 75	Resp: 139783
Ion Ratio	Lower Upper
75 100	
77 2.0	0.0 0.0#



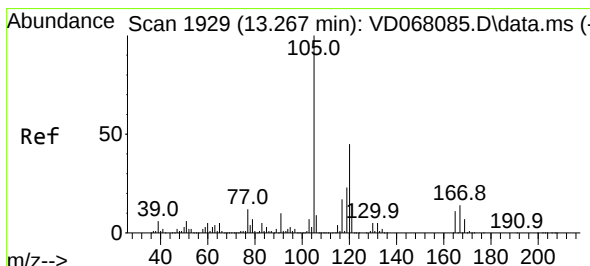
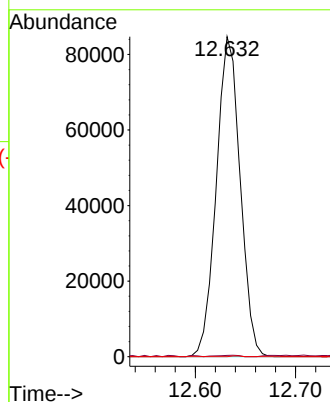
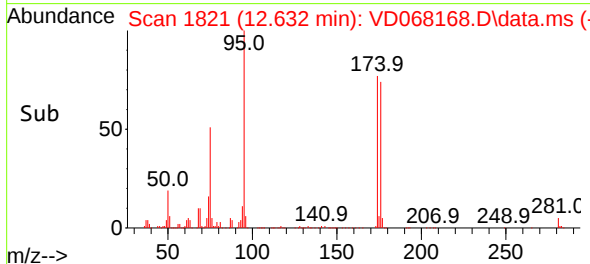


#81
trans-1,4-Dichloro-2-butene
Concen: 144.60 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

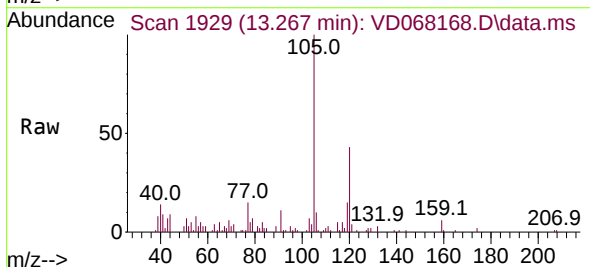
Instrument :
MSVOA_D
ClientSampleId :



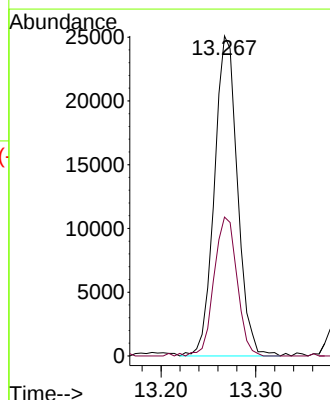
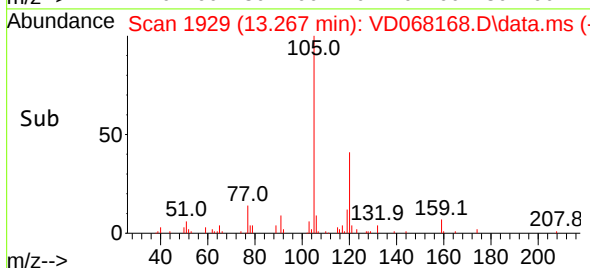
Tgt Ion: 75 Resp: 139783
Ion Ratio Lower Upper
75 100
53 0.4 70.2 105.2#
89 0.1 40.3 60.5#

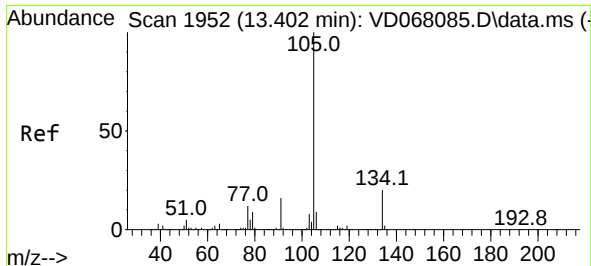


#84
1,2,4-Trimethylbenzene
Concen: 3.05 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35



Tgt Ion: 105 Resp: 42504
Ion Ratio Lower Upper
105 100
120 43.3 22.4 67.0

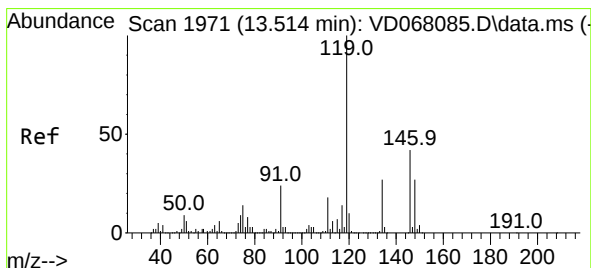
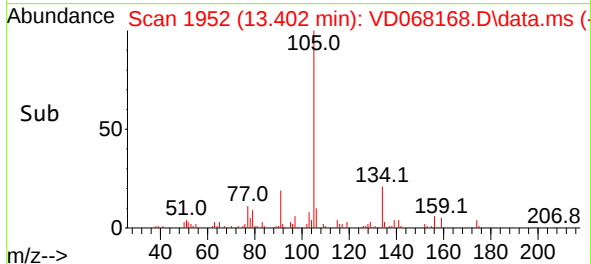
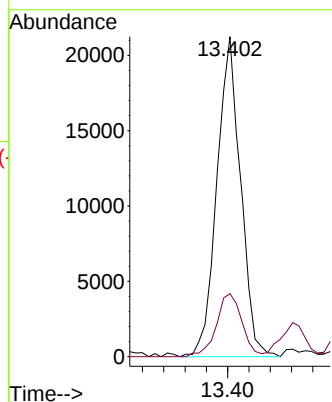
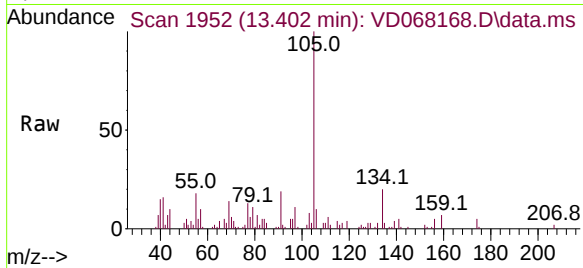




#85
 sec-Butylbenzene
 Concen: 1.97 ug/l
 RT: 13.402 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: VD068168.D
 Acq: 25 Jan 2021 14:35

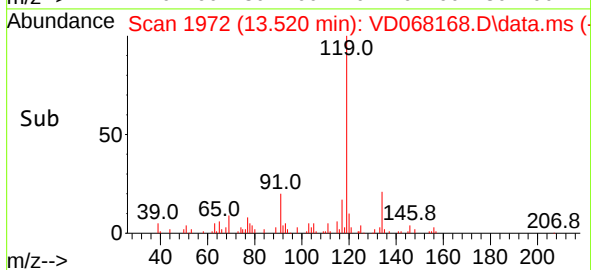
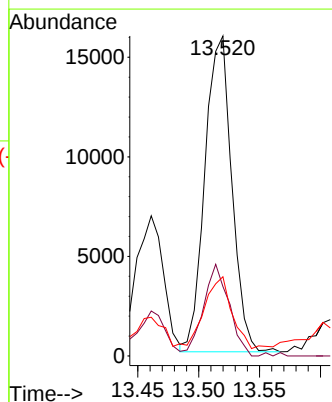
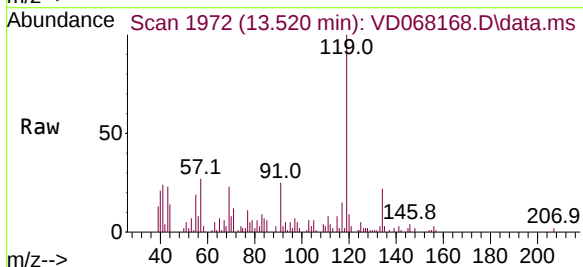
Instrument :
 MSVOA_D
 ClientSampled :

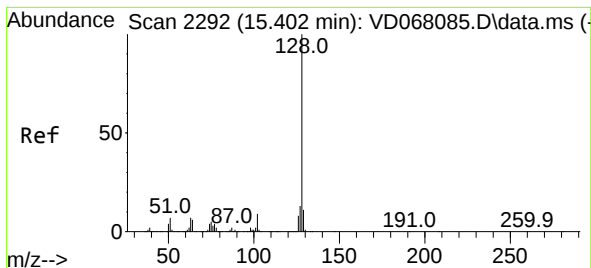
Tgt Ion:105 Resp: 32782
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 1.61 ug/l
 RT: 13.520 min Scan# 1972
 Delta R.T. 0.006 min
 Lab File: VD068168.D
 Acq: 25 Jan 2021 14:35

Tgt Ion:119 Resp: 24407
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.9 38.7
 91 21.3 11.7 35.0

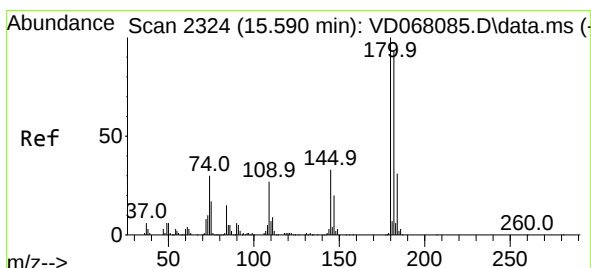
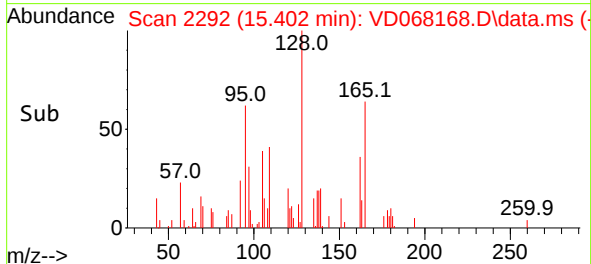
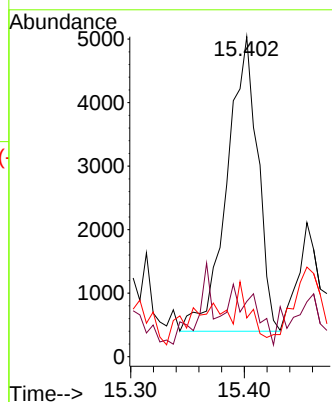
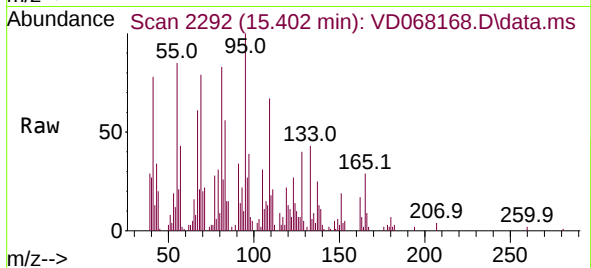




#95
Naphthalene
Concen: 1.14 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 8726
Ion Ratio Lower Upper
128 100
127 17.2 10.2 15.2#
129 6.9 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.80 ug/l
RT: 15.561 min Scan# 2319
Delta R.T. -0.029 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion:180 Resp: 6183
Ion Ratio Lower Upper
180 100
182 4.9 48.3 144.8#
145 205.4 16.7 50.1#

