

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068097.D
 Acq On : 19 Jan 2021 18:20
 Operator : VA/SY
 Sample : M1160-01
 Misc : 3.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Jan 20 00:31:34 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)

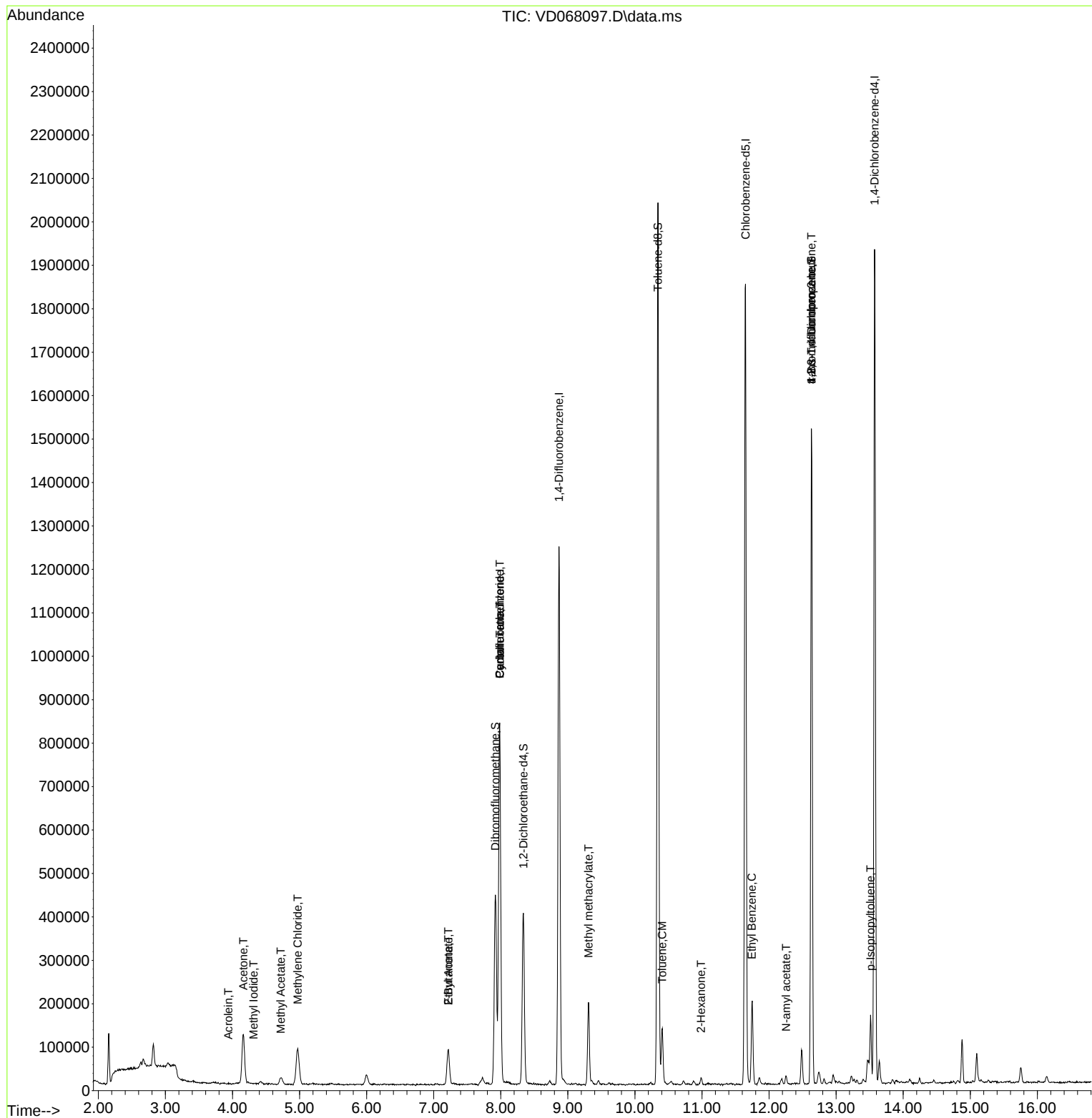
Internal Standards						
1) Pentafluorobenzene	7.985	168	636423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1120916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	1113828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	521931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	323840	53.19	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.38%
35) Dibromofluoromethane	7.920	113	330686	53.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.72%
50) Toluene-d8	10.344	98	1418113	57.21	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	114.42%
62) 4-Bromofluorobenzene	12.632	95	546873	61.26	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.52%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	1415	3.33	ug/l #	56
11) Tert butyl alcohol	5.209	59	1687	Below Cal	#	56
13) Acrolein	3.938	56	632	1.32	ug/l #	38
16) Acetone	4.162	43	208080	191.42	ug/l	98
18) Methyl Acetate	4.720	43	33590	11.91	ug/l	91
20) Methylene Chloride	4.973	84	70043	5.68	ug/l	91
25) 2-Butanone	7.220	43	124561	76.10	ug/l	95
31) Cyclohexane	7.985	56	16307	1.24	ug/l #	23
37) Ethyl Acetate	7.220	43	124561	31.15	ug/l #	66
38) Carbon Tetrachloride	7.985	117	64258	6.07	ug/l #	15
48) Methyl methacrylate	9.308	41	25325	6.11	ug/l #	29
52) Toluene	10.408	92	52784	2.56	ug/l	92
59) 2-Hexanone	10.985	43	10506	3.91	ug/l	98
67) Ethyl Benzene	11.744	91	137453	3.14	ug/l	100
74) N-amyl acetate	12.255	43	13339	1.48	ug/l #	44
76) 1,2,3-Trichloropropane	12.632	75	274910	54.48	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	274910	110.23	ug/l #	14
86) p-Isopropyltoluene	13.514	119	83012	2.13	ug/l	94

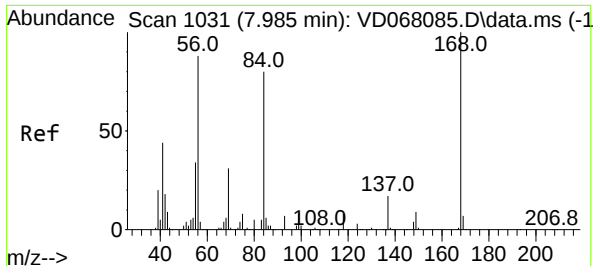
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 19 Jan 2021 18:20
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Quant Time: Jan 20 00:31:34 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

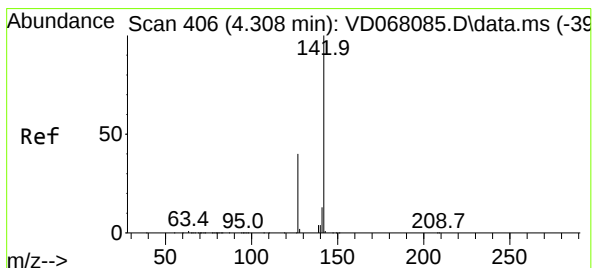
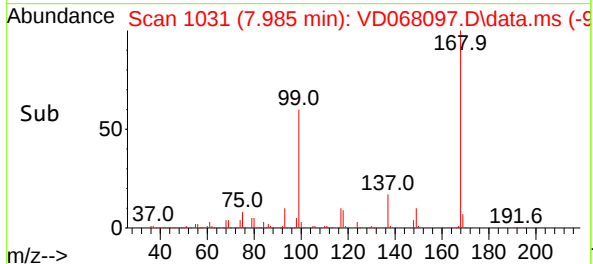
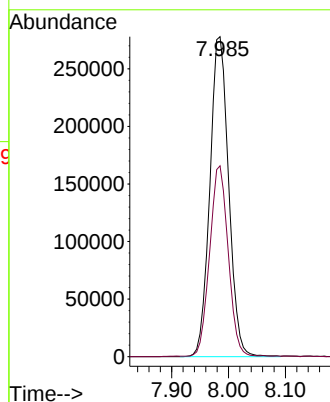
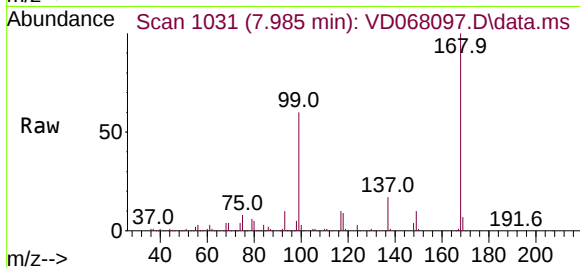




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

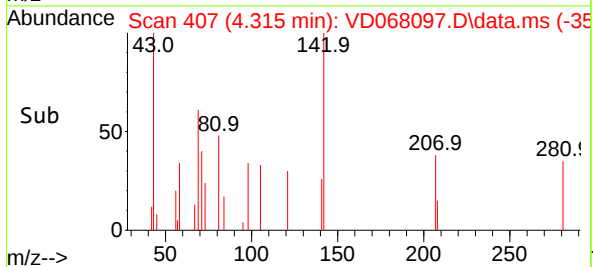
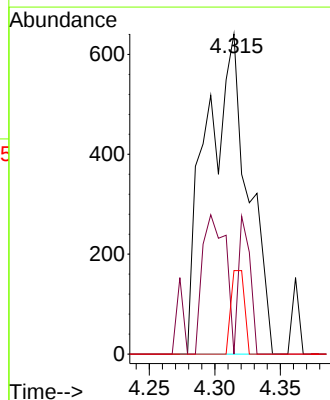
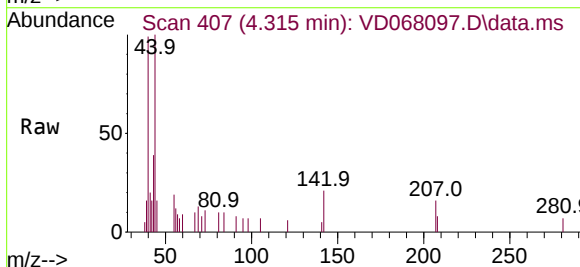
Instrument :
MSVOA_D
ClientSampled :
SP-1

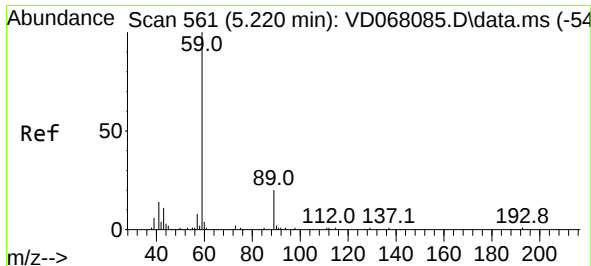
Tgt Ion:168 Resp: 636423
Ion Ratio Lower Upper
168 100
99 59.5 43.5 65.3



#10
Methyl Iodide
Concen: 3.33 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.007 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion:142 Resp: 1415
Ion Ratio Lower Upper
142 100
127 11.9 37.9 56.9#
141 8.3 11.5 17.3#



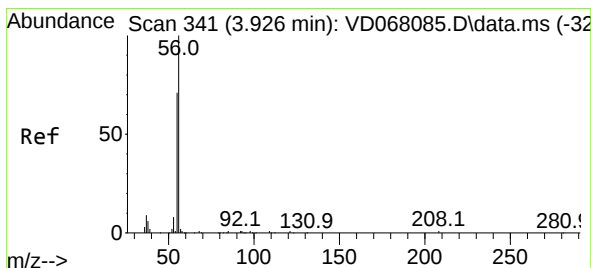
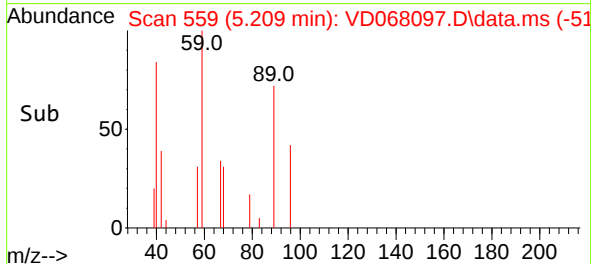
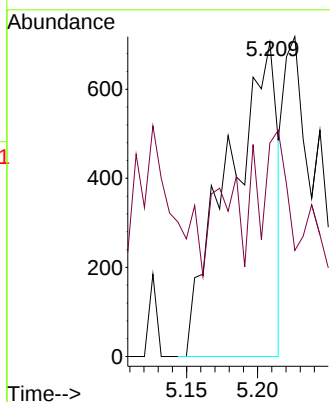
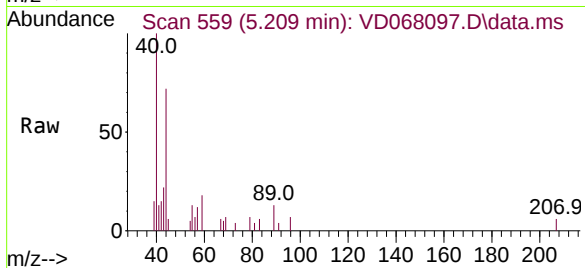


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Instrument :
MSVOA_D
ClientSampled :
SP-1

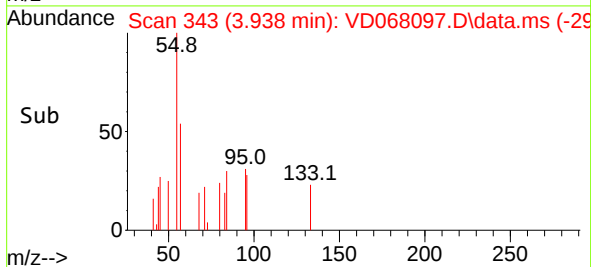
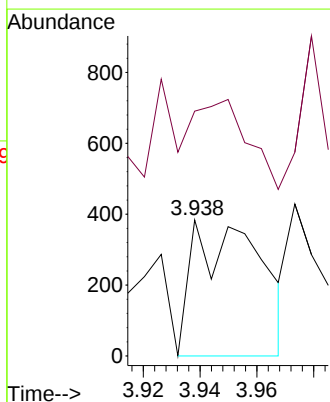
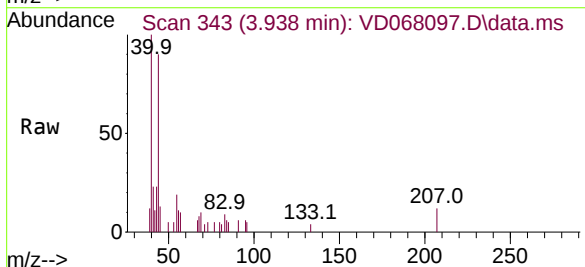
Tgt Ion: 59 Resp: 1687
Ion Ratio Lower Upper
59 100
57 25.4 7.4 11.2#

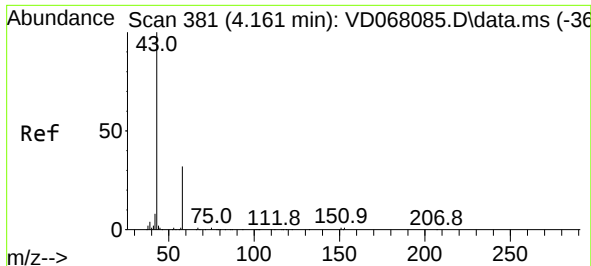


#13

Acrolein
Concen: 1.32 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 56 Resp: 632
Ion Ratio Lower Upper
56 100
55 19.3 56.5 84.7#

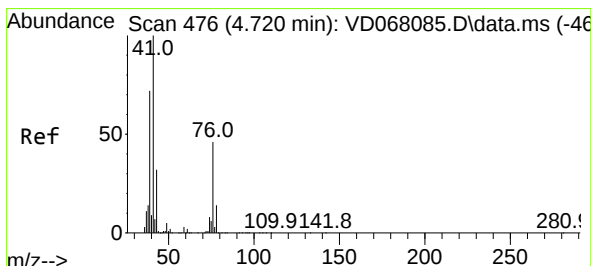
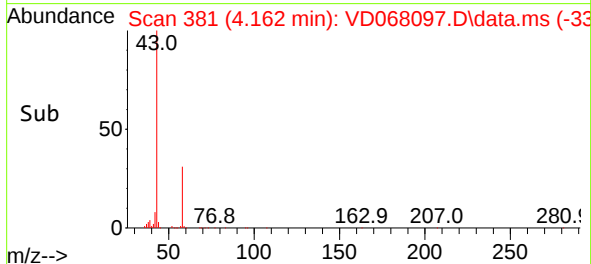
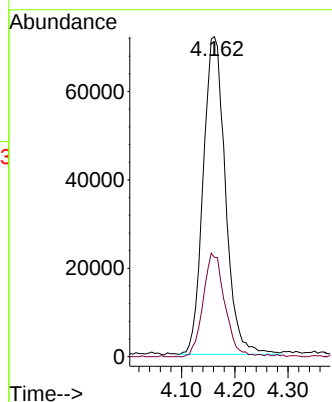
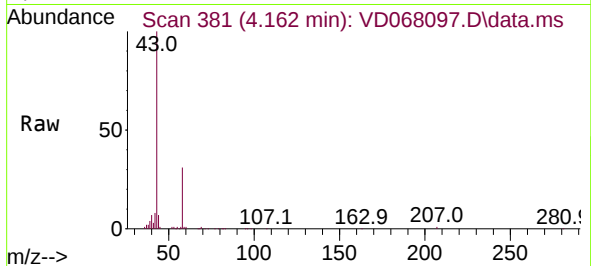




#16
Acetone
Concen: 191.42 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

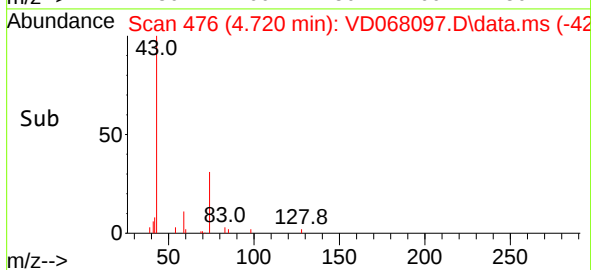
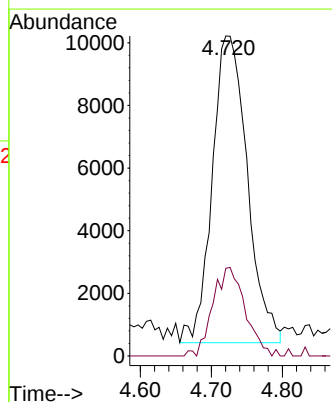
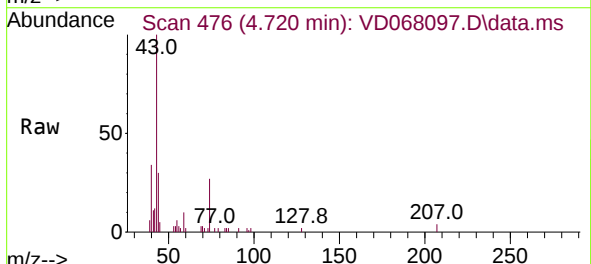
Instrument :
MSVOA_D
ClientSampled :
SP-1

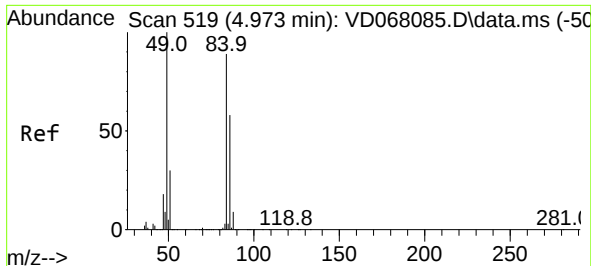
Tgt Ion: 43 Resp: 208080
Ion Ratio Lower Upper
43 100
58 31.3 24.2 36.4



#18
Methyl Acetate
Concen: 11.91 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 43 Resp: 33590
Ion Ratio Lower Upper
43 100
74 26.7 25.4 38.0

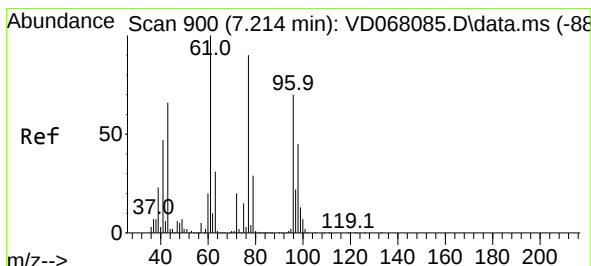
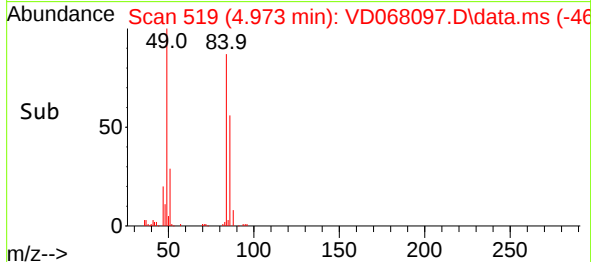
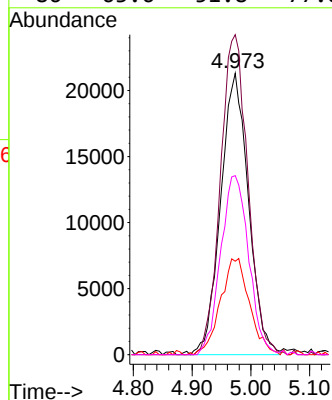
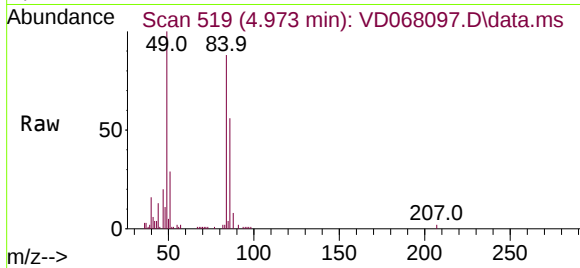




#20
Methylene Chloride
Concen: 5.68 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

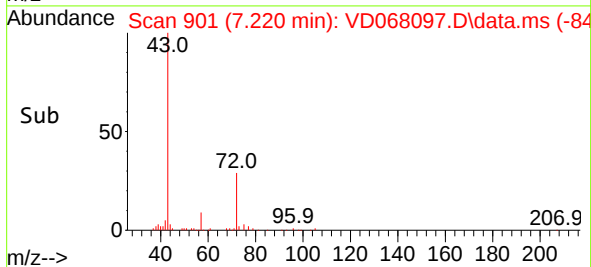
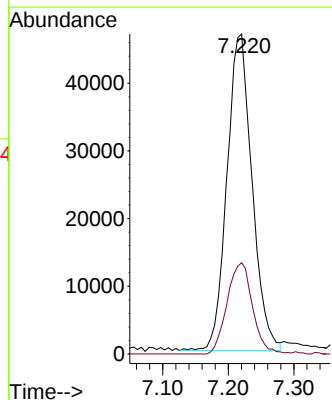
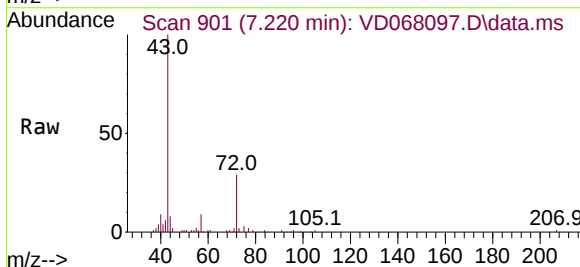
Instrument :
MSVOA_D
ClientSampled :
SP-1

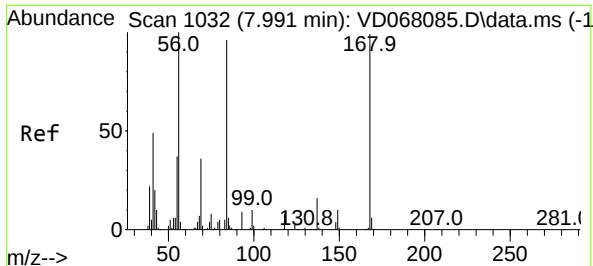
Tgt Ion:	84	Resp:	70043
Ion	Ratio	Lower	Upper
84	100		
49	113.7	77.4	116.2
51	33.2	26.1	39.1
86	63.6	51.8	77.8



#25
2-Butanone
Concen: 76.10 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion:	43	Resp:	124561
Ion	Ratio	Lower	Upper
43	100		
72	28.8	25.1	37.7

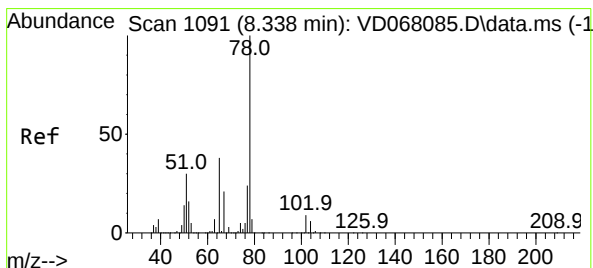
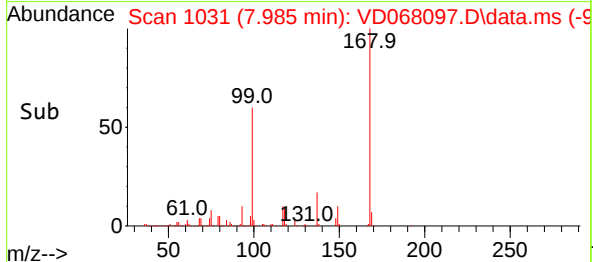
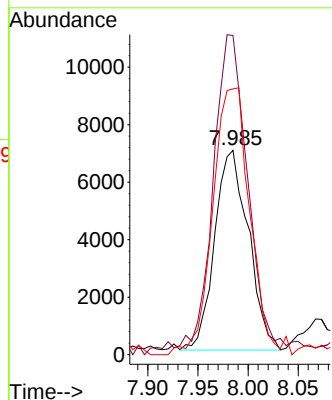
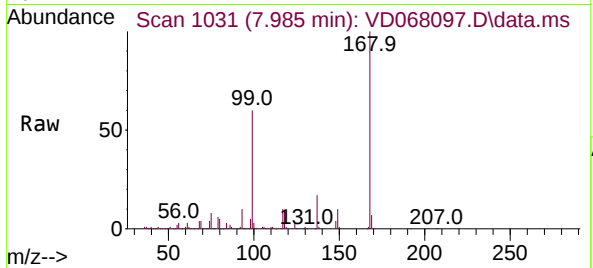




#31
Cyclohexane
Concen: 1.24 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

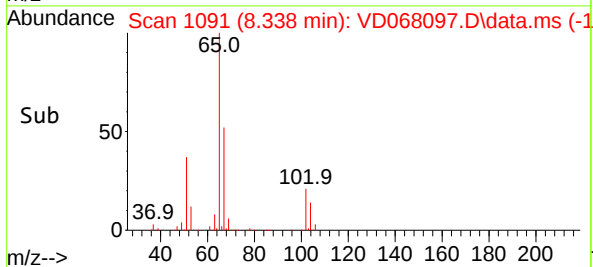
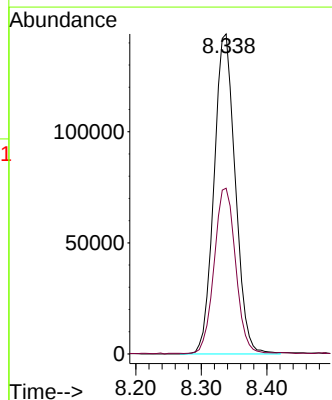
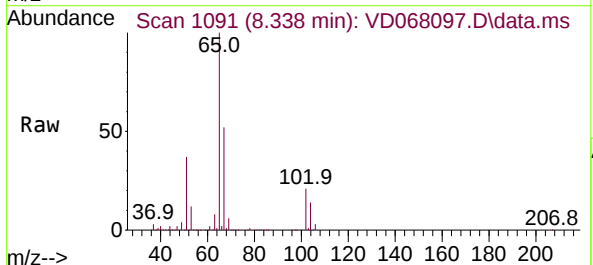
Instrument :
MSVOA_D
ClientSampled :
SP-1

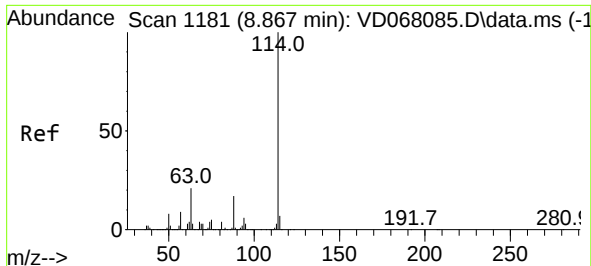
Tgt Ion: 56 Resp: 16307
Ion Ratio Lower Upper
56 100
69 155.3 30.1 45.1#
84 136.9 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 53.19 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 65 Resp: 323840
Ion Ratio Lower Upper
65 100
67 51.9 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: VD068097.D

Acq: 19 Jan 2021 18:20

Instrument :

MSVOA_D

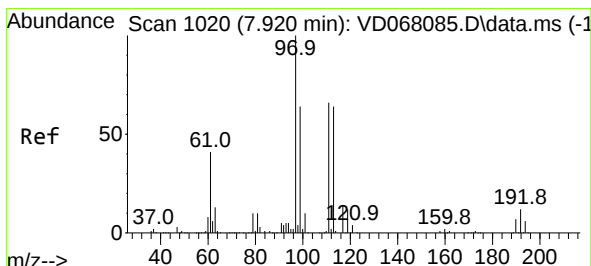
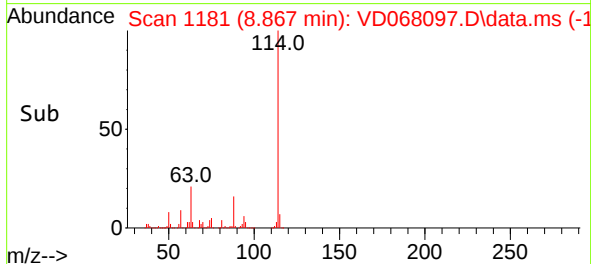
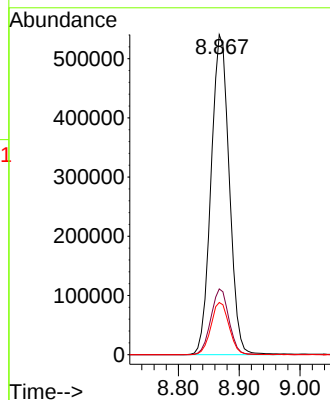
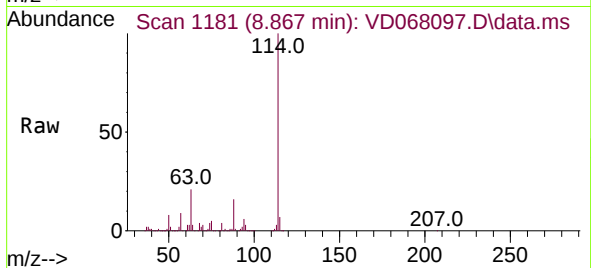
ClientSampled :

SP-1

Tgt Ion:114 Resp: 1120916

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	34.8
88	16.3	0.0	31.6



#35

Dibromofluoromethane

Concen: 53.36 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

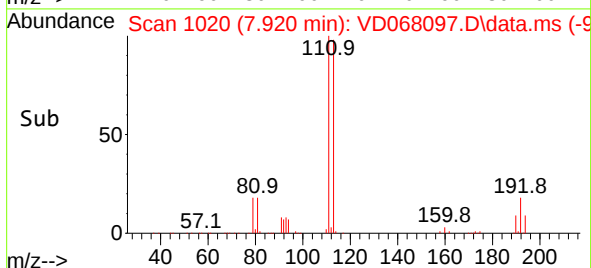
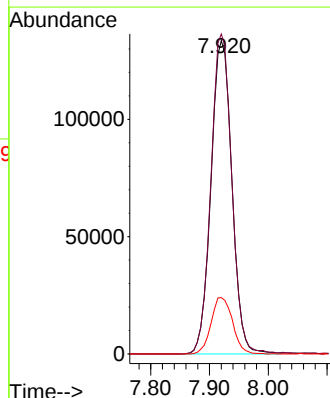
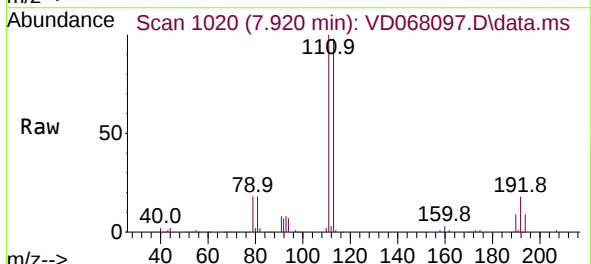
Lab File: VD068097.D

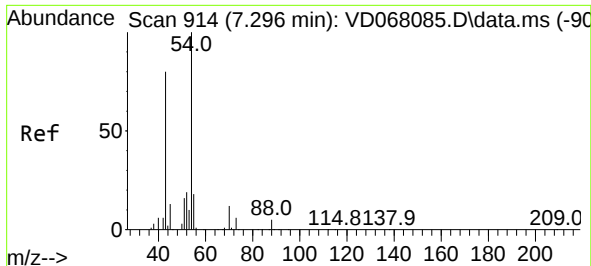
Acq: 19 Jan 2021 18:20

Tgt Ion:113 Resp: 330686

Ion Ratio Lower Upper

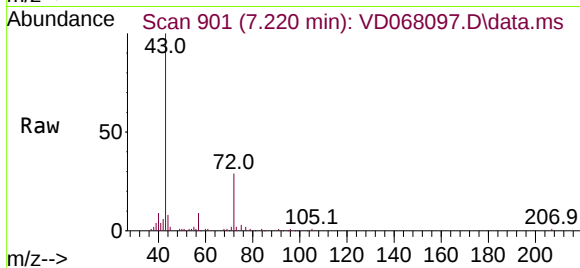
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	18.4	16.1	24.1



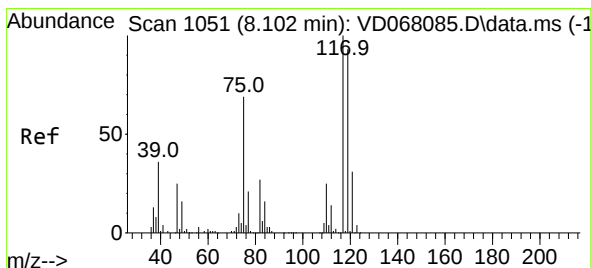
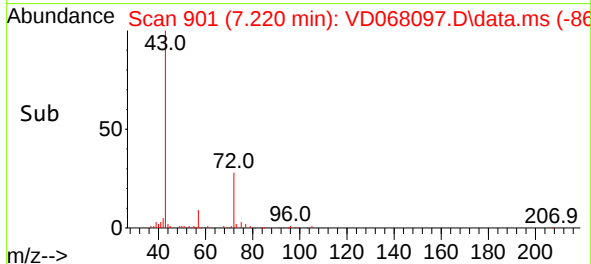
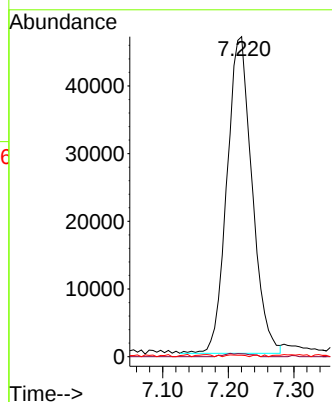


#37
Ethyl Acetate
Concen: 31.15 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.076 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Instrument :
MSVOA_D
ClientSampled :
SP-1

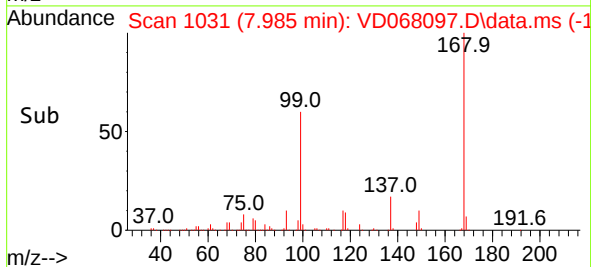
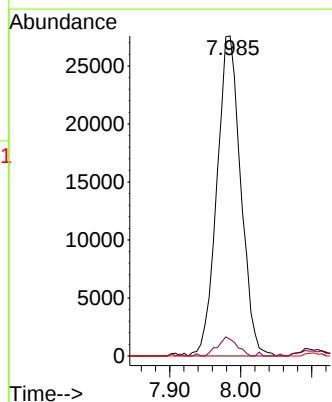
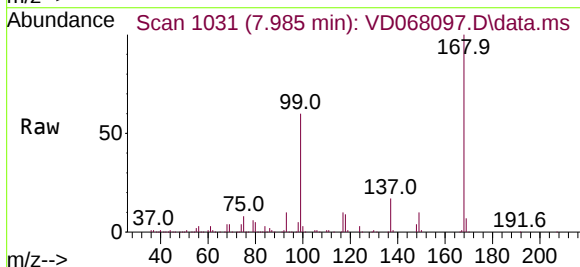


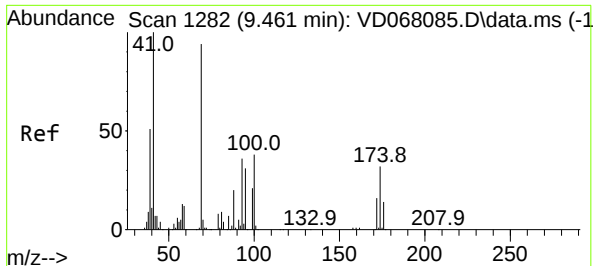
Tgt Ion: 43 Resp: 124561
Ion Ratio Lower Upper
43 100
61 1.1 12.9 19.3#
70 0.4 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 6.07 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 117 Resp: 64258
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 6.11 ug/l

RT: 9.308 min Scan# 1256

Delta R.T. -0.153 min

Lab File: VD068097.D

Acq: 19 Jan 2021 18:20

Instrument :

MSVOA_D

ClientSampled :

SP-1

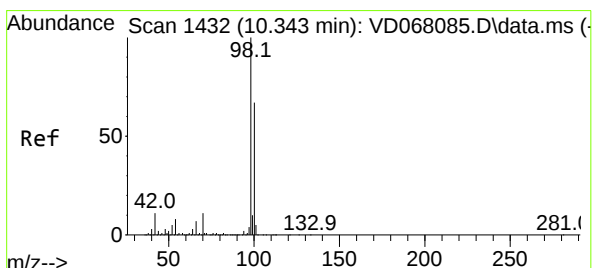
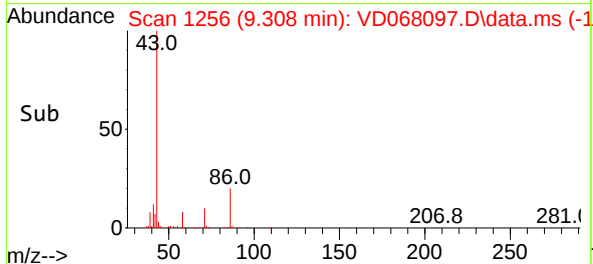
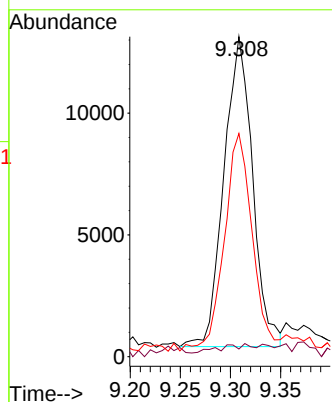
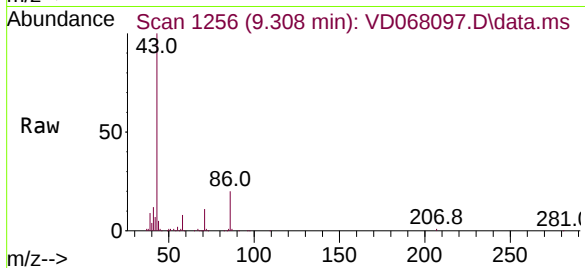
Tgt Ion: 41 Resp: 25325

Ion Ratio Lower Upper

41 100

69 2.0 77.1 115.7#

39 68.9 41.5 62.3#



#50

Toluene-d8

Concen: 57.21 ug/l

RT: 10.344 min Scan# 1432

Delta R.T. 0.000 min

Lab File: VD068097.D

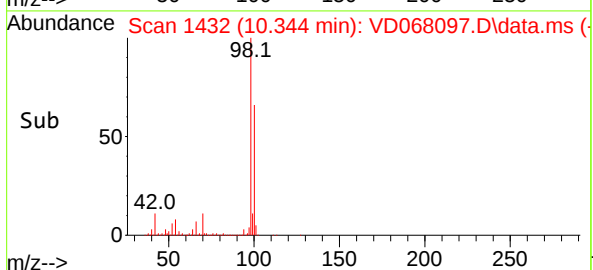
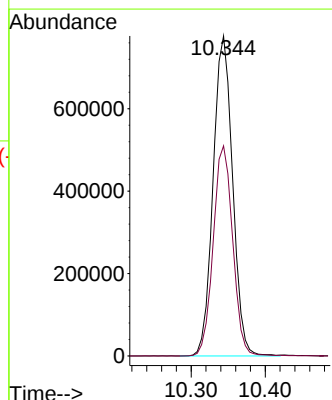
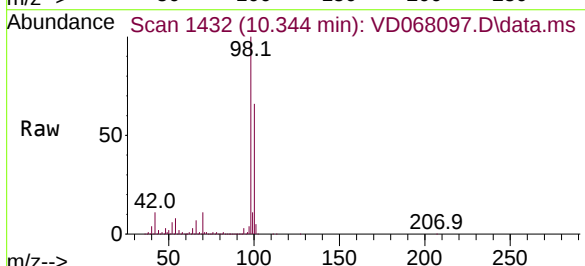
Acq: 19 Jan 2021 18:20

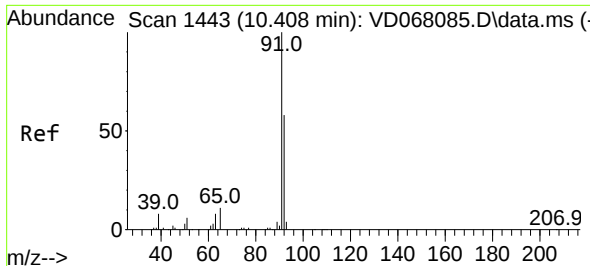
Tgt Ion: 98 Resp: 1418113

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4

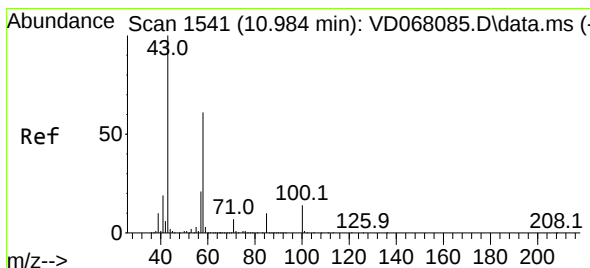
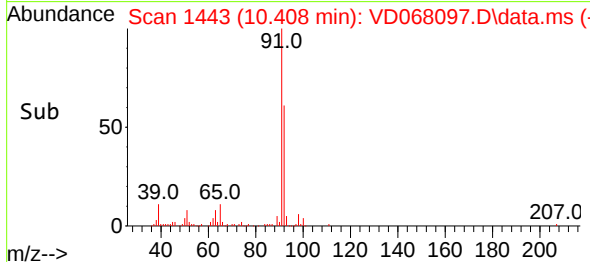
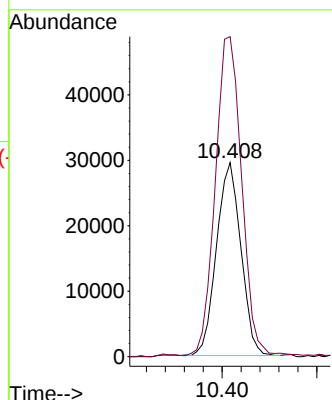
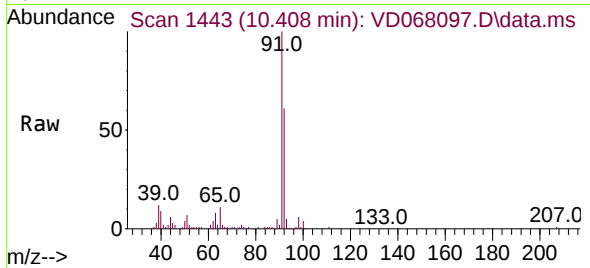




#52
Toluene
Concen: 2.56 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

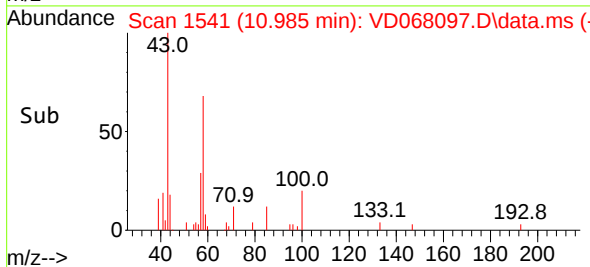
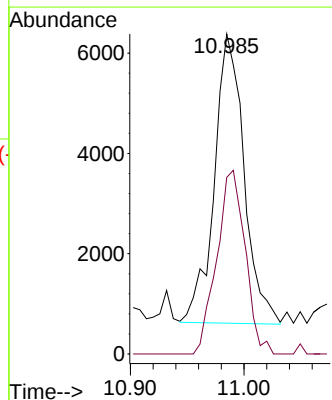
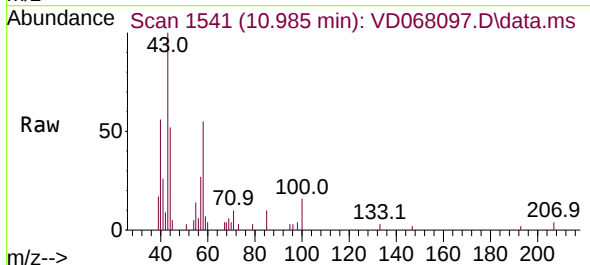
Instrument :
MSVOA_D
ClientSampled :
SP-1

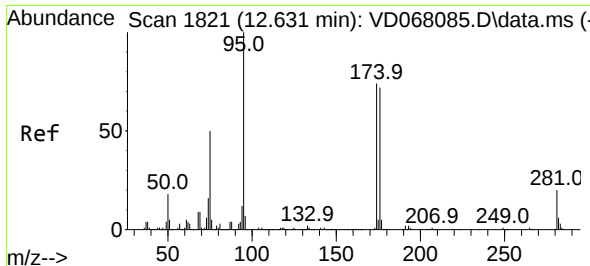
Tgt Ion: 92 Resp: 52784
Ion Ratio Lower Upper
92 100
91 178.4 134.1 201.1



#59
2-Hexanone
Concen: 3.91 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 43 Resp: 10506
Ion Ratio Lower Upper
43 100
58 60.5 31.0 93.0

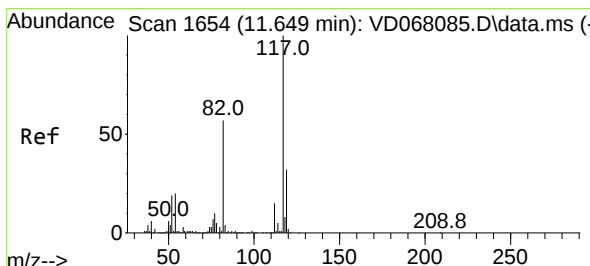
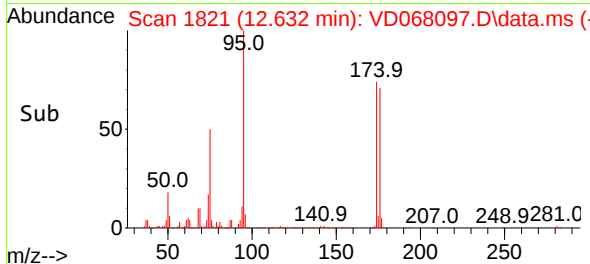
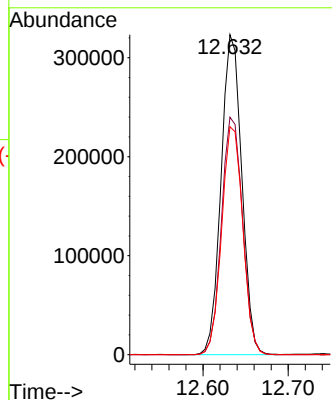
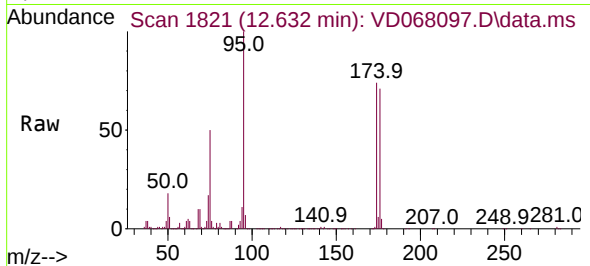




#62
4-Bromofluorobenzene
Concen: 61.26 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

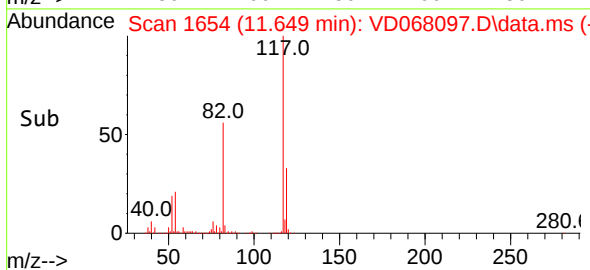
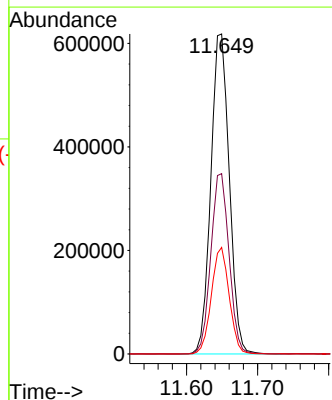
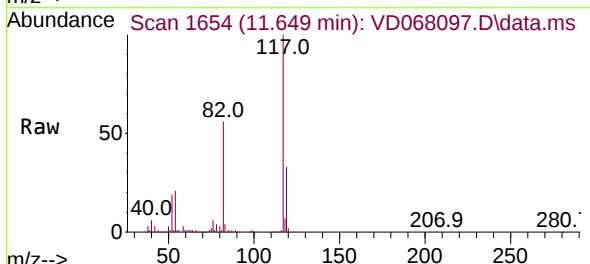
Instrument :
MSVOA_D
ClientSampleId :
SP-1

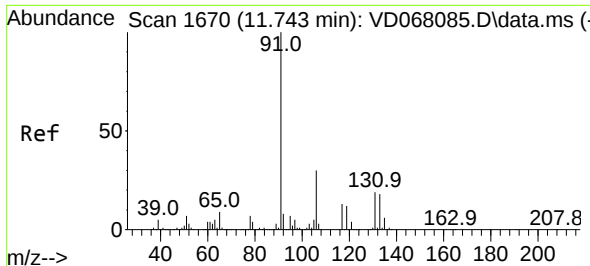
Tgt Ion: 95 Resp: 546873
Ion Ratio Lower Upper
95 100
174 75.6 0.0 172.4
176 72.5 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 117 Resp: 1113828
Ion Ratio Lower Upper
117 100
82 56.4 41.4 62.0
119 33.3 26.1 39.1

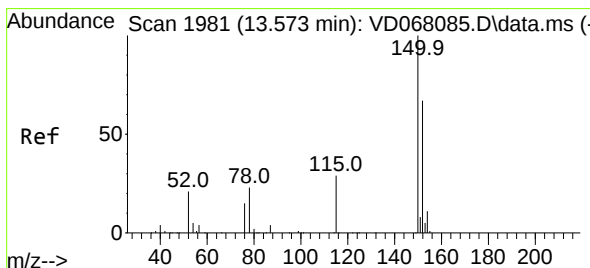
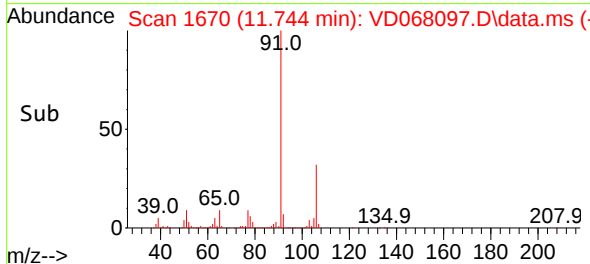
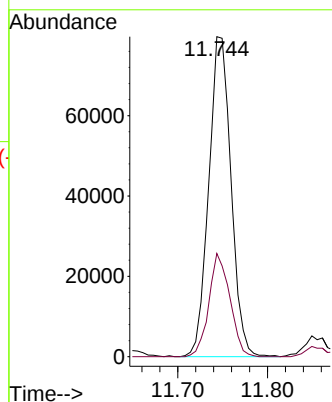
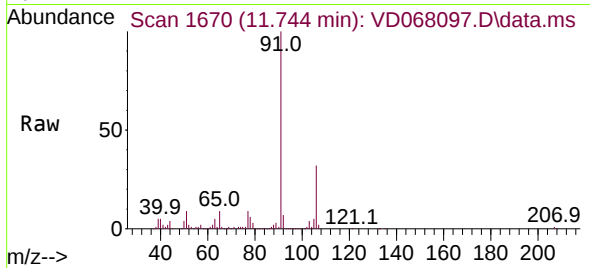




#67
Ethyl Benzene
Concen: 3.14 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

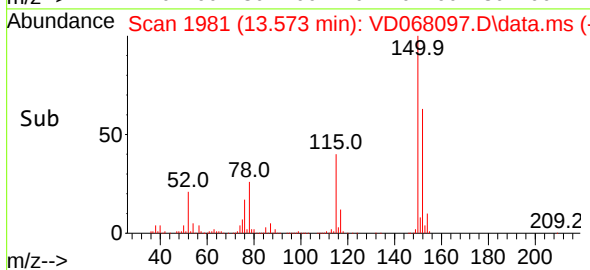
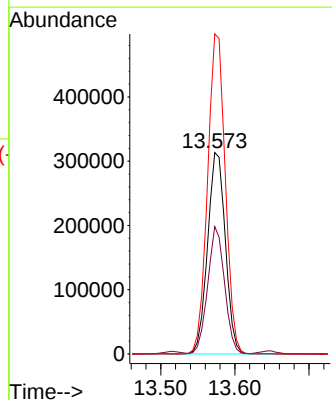
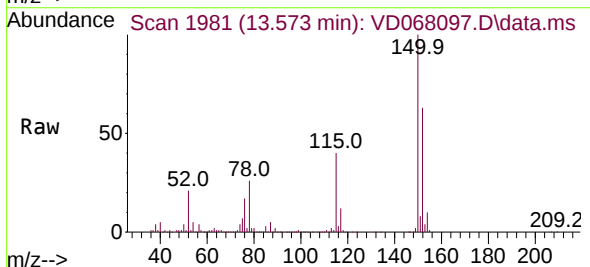
Instrument :
MSVOA_D
ClientSampled :
SP-1

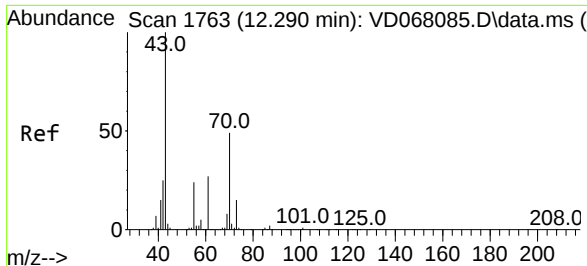
Tgt Ion: 91 Resp: 137453
Ion Ratio Lower Upper
91 100
106 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion:152 Resp: 521931
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.8
150 158.2 0.0 344.4

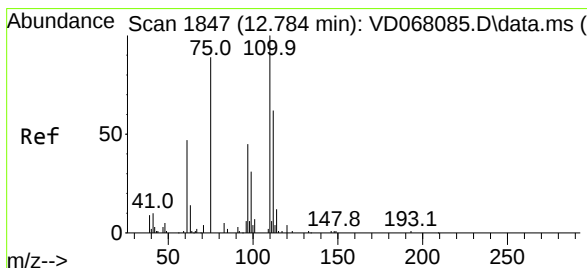
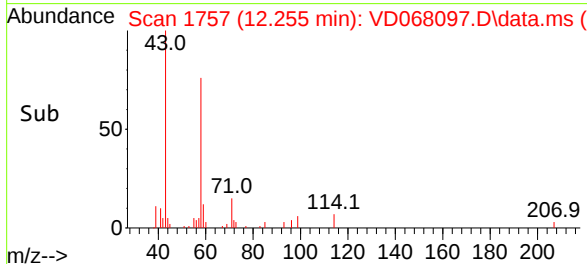
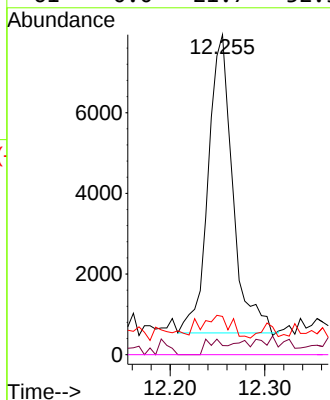
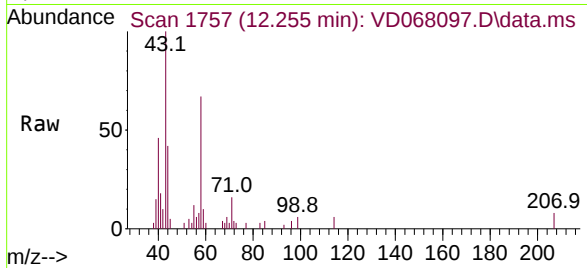




#74
N-amy1 acetate
Concen: 1.48 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.035 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

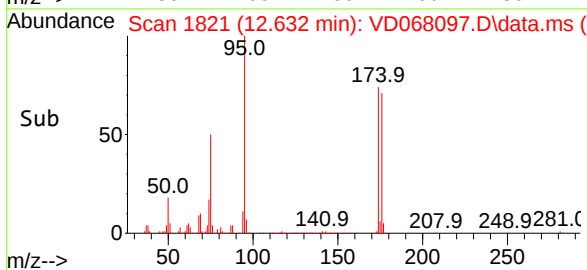
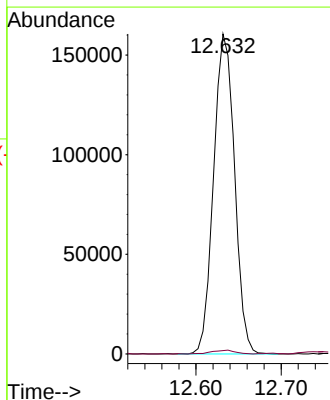
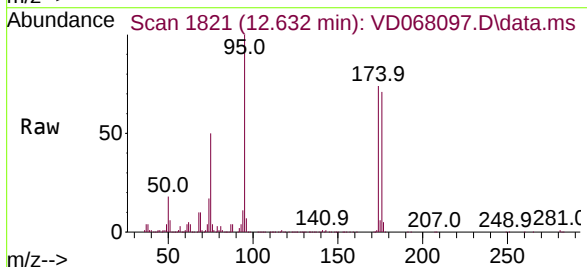
Instrument :
MSVOA_D
ClientSampled :
SP-1

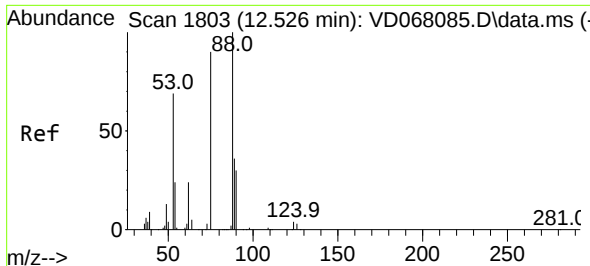
Tgt Ion:	43	Resp:	13339
Ion Ratio	Lower	Upper	
43	100		
70	3.8	41.8	62.8#
55	9.0	24.2	36.4#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 54.48 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

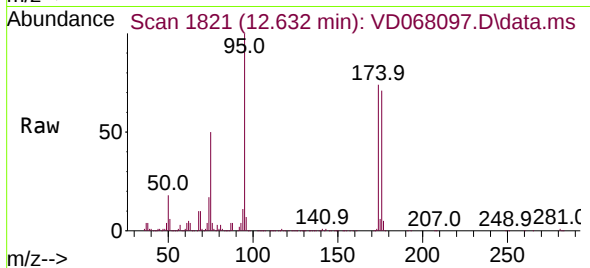
Tgt Ion:	75	Resp:	274910
Ion Ratio	Lower	Upper	
75	100		
77	1.3	0.0	0.0#



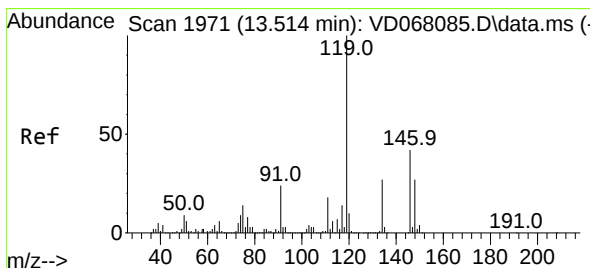
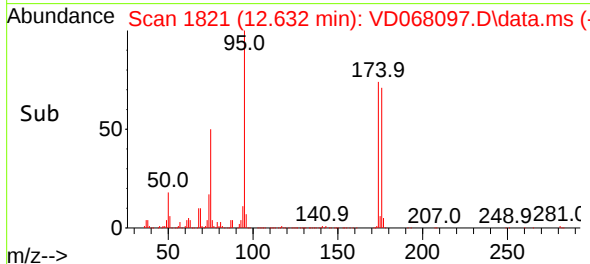
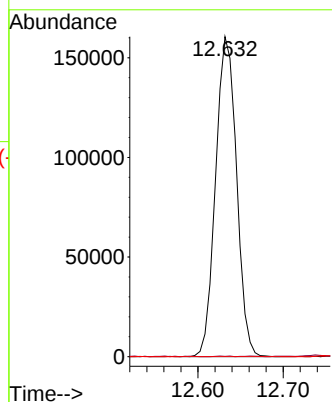


#81
trans-1,4-Dichloro-2-butene
Concen: 110.23 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Instrument :
MSVOA_D
ClientSampled :
SP-1



Tgt Ion: 75 Resp: 274910
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.0 40.3 60.5#



#86
p-Isopropyltoluene
Concen: 2.13 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068097.D
Acq: 19 Jan 2021 18:20

Tgt Ion: 119 Resp: 83012
Ion Ratio Lower Upper
119 100
134 26.5 12.9 38.7
91 28.7 11.7 35.0

