

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068900.D
 Acq On : 19 Apr 2021 15:37
 Operator : VA/SY
 Sample : M2077-01
 Misc : 5.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19-14.5-15.0

Quant Time: Apr 20 00:53:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

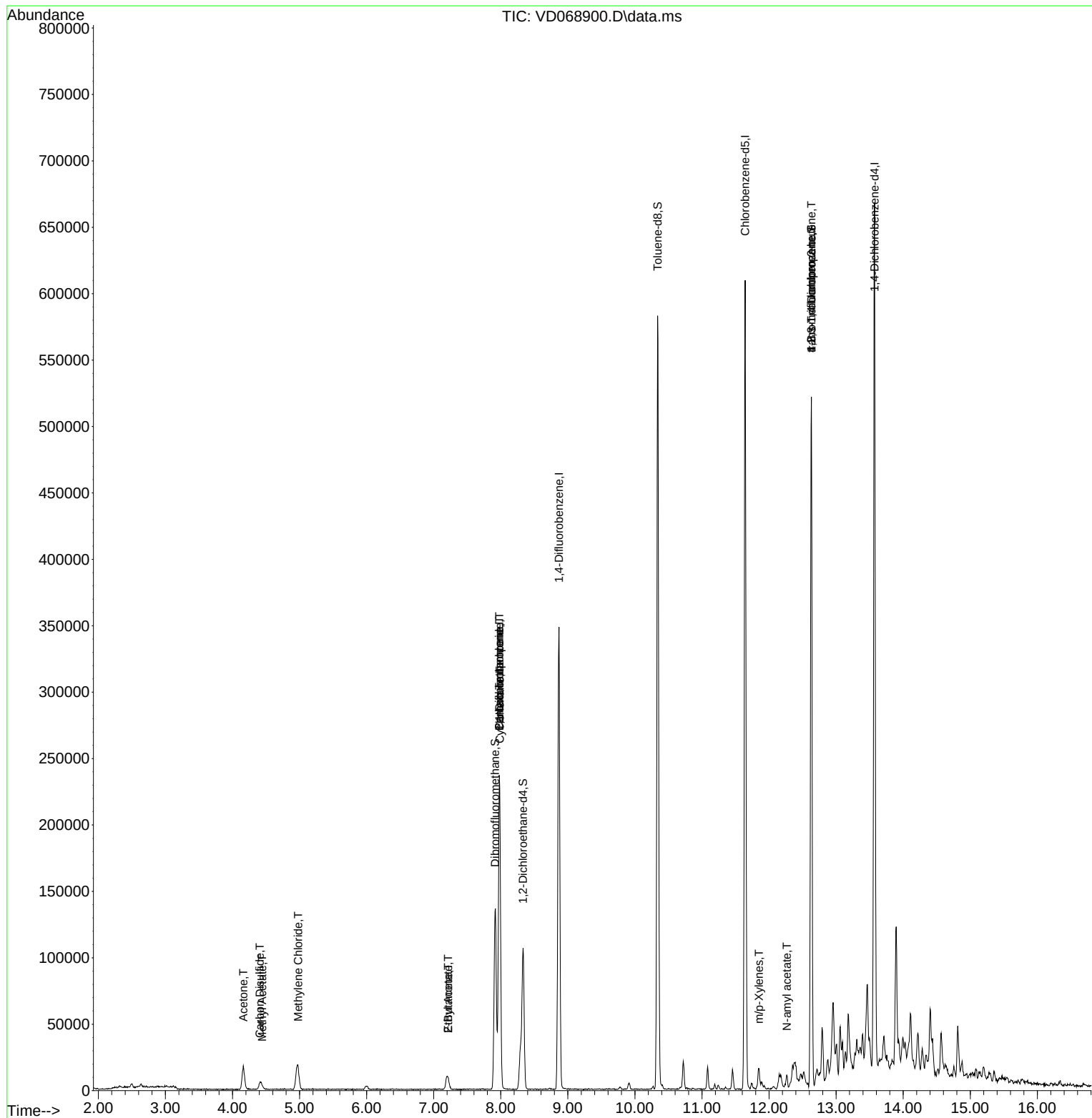
Internal Standards						
1) Pentafluorobenzene	7.979	168	182598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	320889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	359805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	181942	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	82683	42.85	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.70%		
35) Dibromofluoromethane	7.914	113	99816	47.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.64%		
50) Toluene-d8	10.338	98	411487	52.26	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.52%		
62) 4-Bromofluorobenzene	12.632	95	164943	63.07	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	126.14%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	56	Below Cal	#	73
16) Acetone	4.162	43	28268	105.78	ug/l	90
17) Carbon Disulfide	4.409	76	11276	1.91	ug/l	96
18) Methyl Acetate	4.444	43	867	1.18	ug/l #	43
20) Methylene Chloride	4.979	84	16885	3.31	ug/l	94
25) 2-Butanone	7.214	43	8488	22.45	ug/l	90
31) Cyclohexane	7.985	56	3665	1.14	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	14398	4.43	ug/l #	49
37) Ethyl Acetate	7.214	43	8488	8.90	ug/l #	65
38) Carbon Tetrachloride	7.979	117	18155	5.65	ug/l #	15
68) m/p-Xylenes	11.849	106	5310	1.02	ug/l	87
74) N-amyl acetate	12.267	43	2414	1.07	ug/l #	69
76) 1,2,3-Trichloropropane	12.632	75	80352	48.34	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	80352	112.19	ug/l #	16

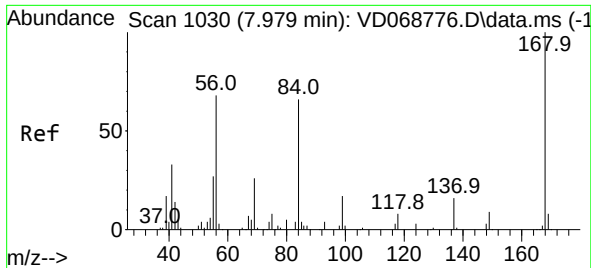
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
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Response via : Initial Calibration

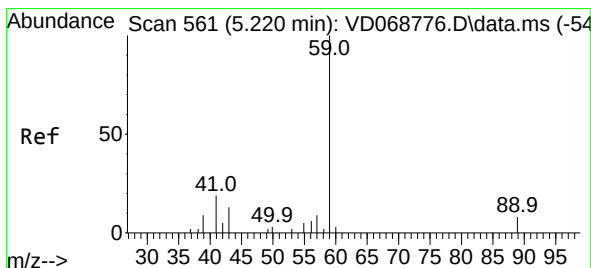
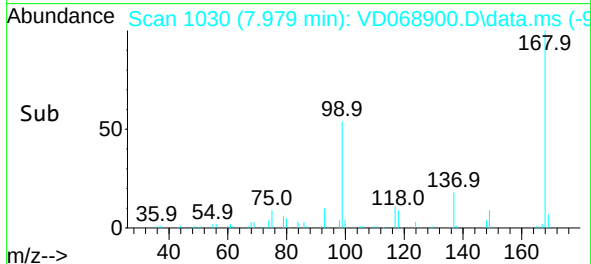
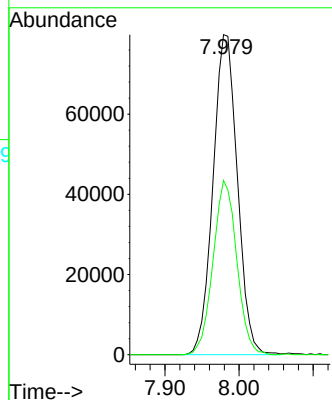
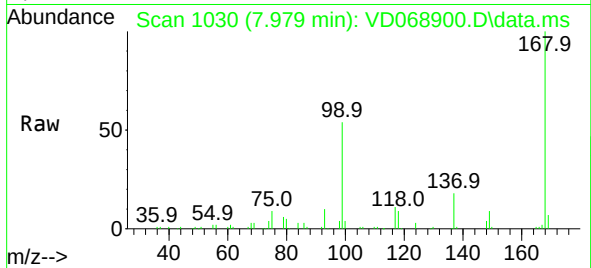




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

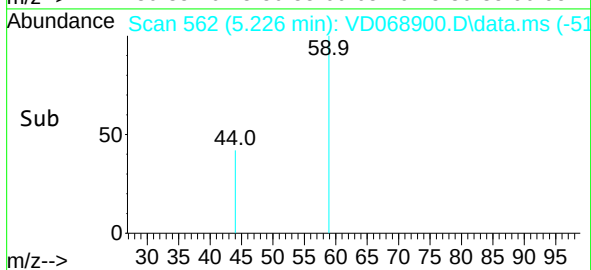
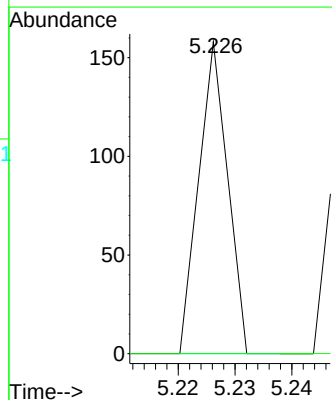
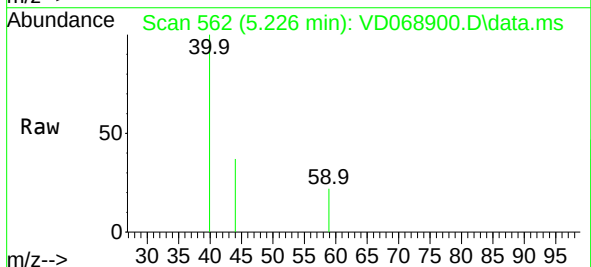
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

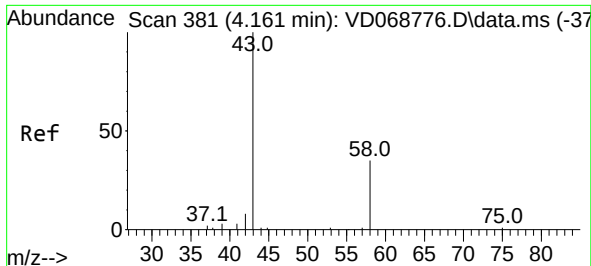
Tgt Ion:168 Resp: 182598
Ion Ratio Lower Upper
168 100
99 54.5 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

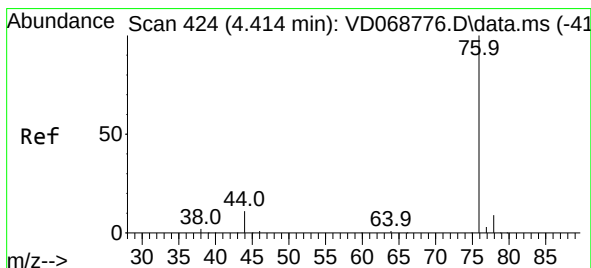
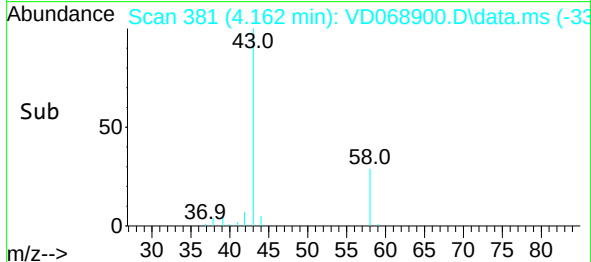
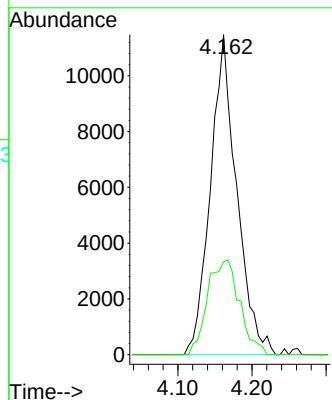
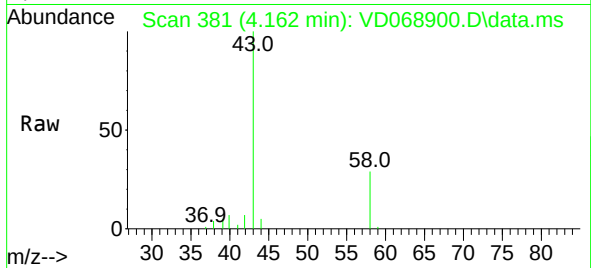




#16
Acetone
Concen: 105.78 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

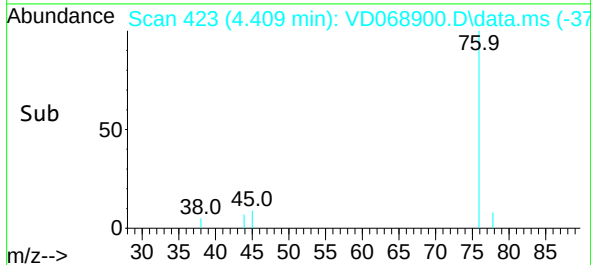
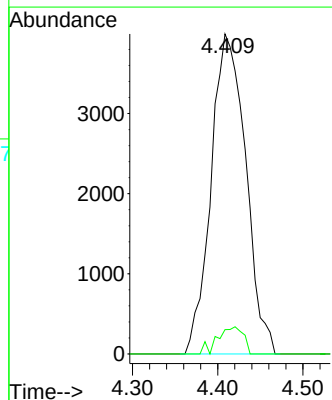
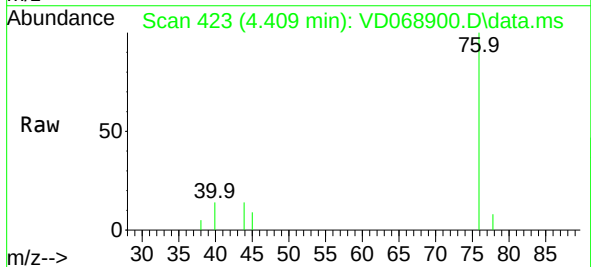
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

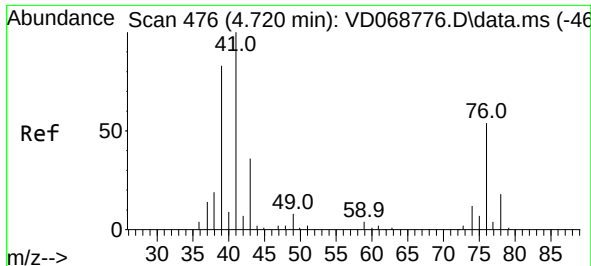
Tgt Ion: 43 Resp: 28268
Ion Ratio Lower Upper
43 100
58 29.1 28.0 42.0



#17
Carbon Disulfide
Concen: 1.91 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

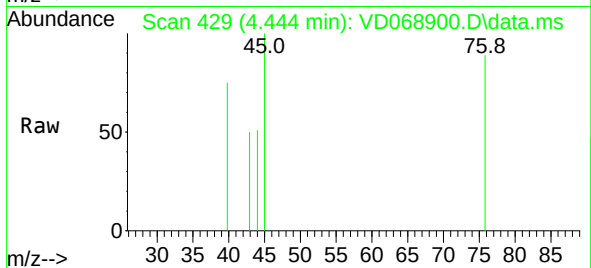
Tgt Ion: 76 Resp: 11276
Ion Ratio Lower Upper
76 100
78 7.6 7.3 10.9



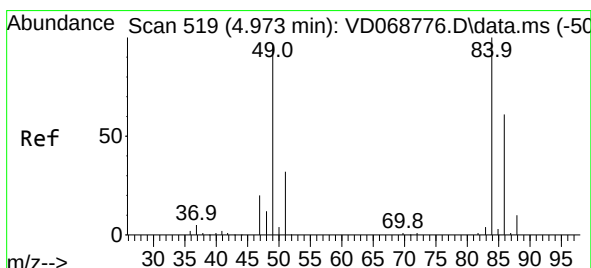
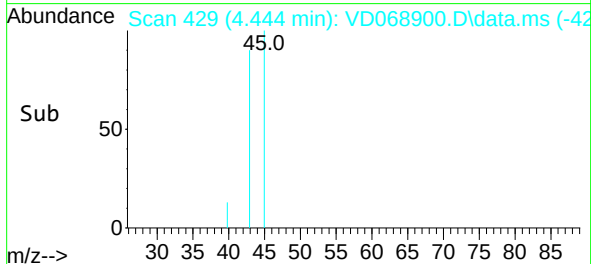
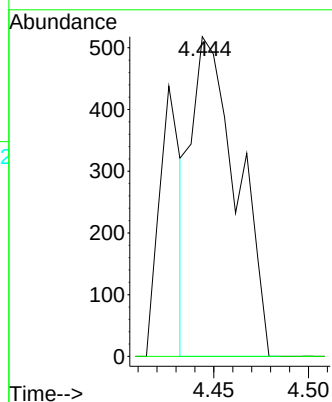


#18
Methyl Acetate
Concen: 1.18 ug/l
RT: 4.444 min Scan# 429
Delta R.T. -0.276 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

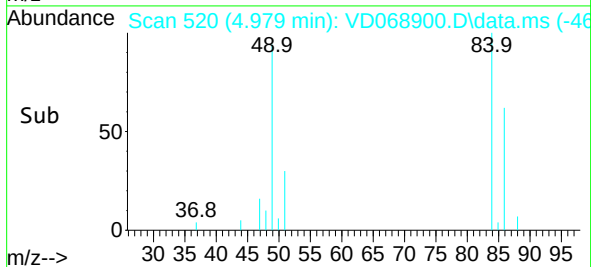
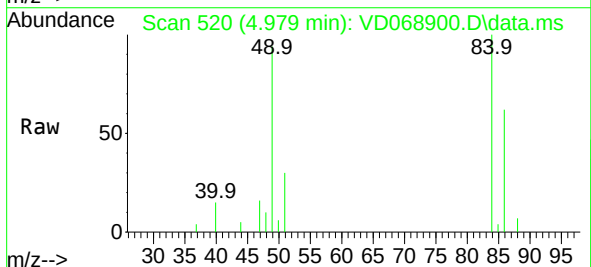
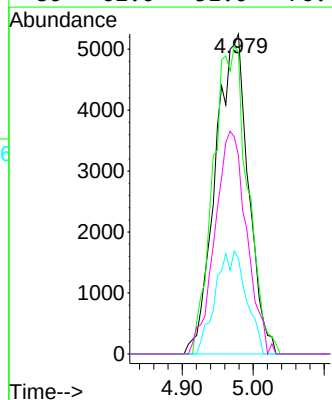


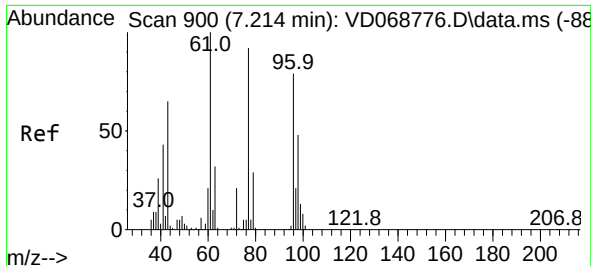
Tgt Ion: 43 Resp: 867
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#20
Methylene Chloride
Concen: 3.31 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 84 Resp: 16885
Ion Ratio Lower Upper
84 100
49 94.2 83.4 125.0
51 29.9 23.4 35.2
86 62.0 51.0 76.4

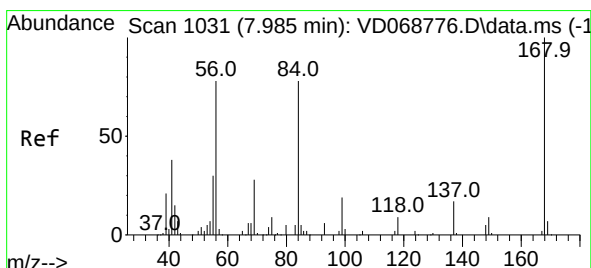
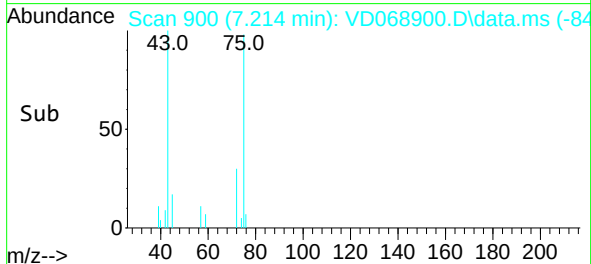
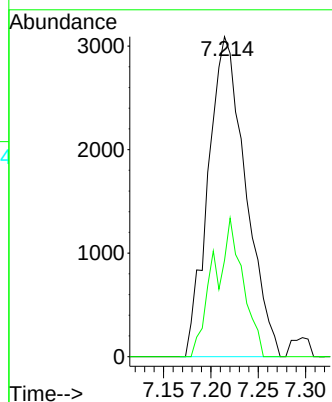
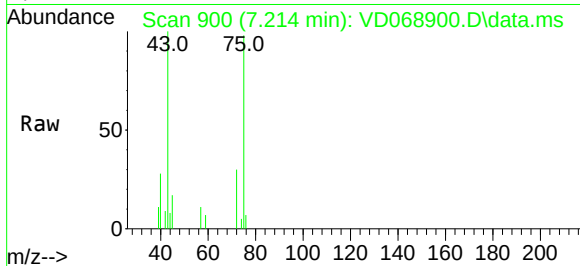




#25
2-Butanone
Concen: 22.45 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

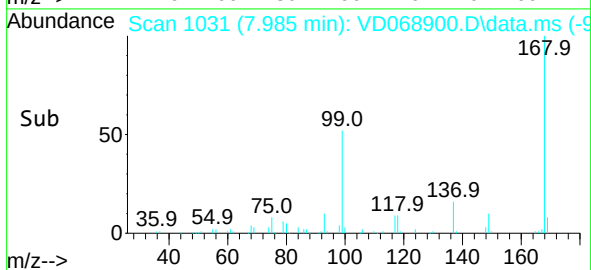
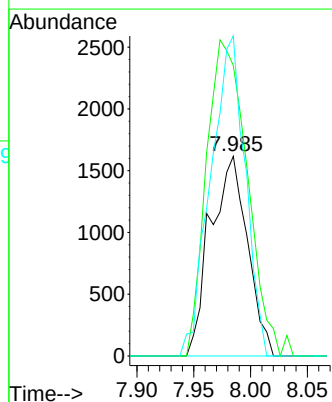
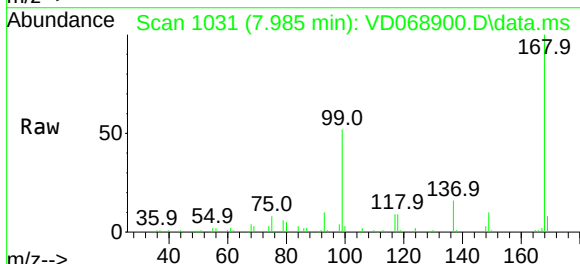
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

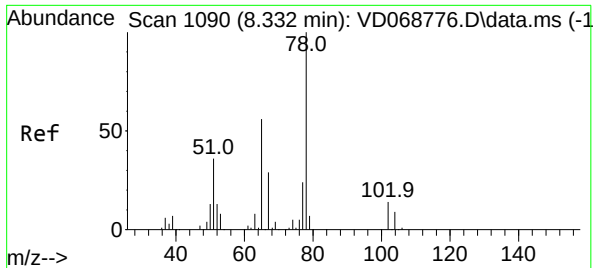
Tgt Ion: 43 Resp: 8488
Ion Ratio Lower Upper
43 100
72 30.1 28.6 43.0



#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 56 Resp: 3665
Ion Ratio Lower Upper
56 100
69 145.4 30.0 45.0#
84 160.2 82.0 123.0#

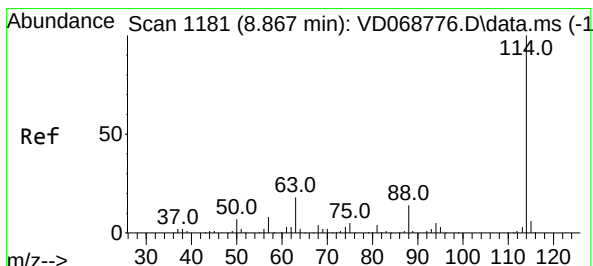
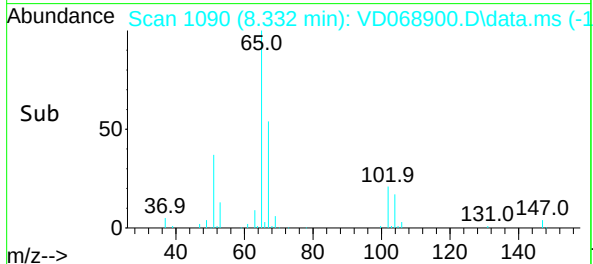
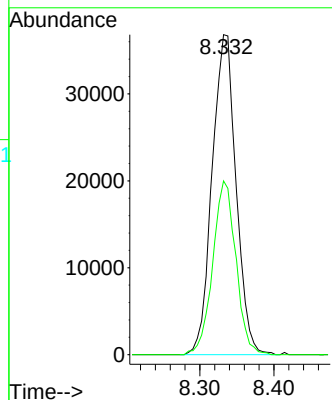
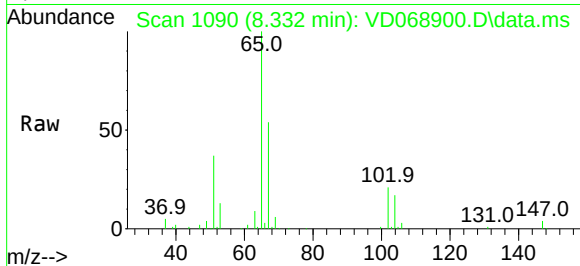




#33
 1,2-Dichloroethane-d4
 Concen: 42.85 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD068900.D
 Acq: 19 Apr 2021 15:37

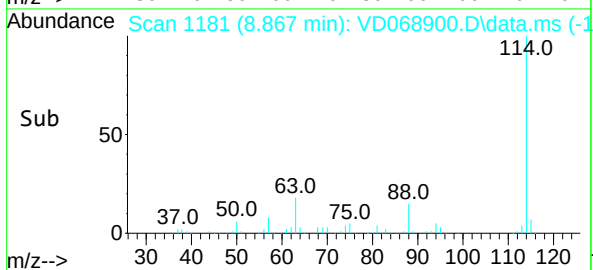
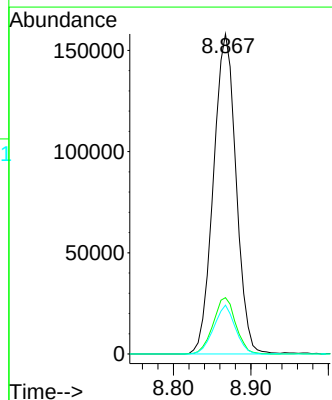
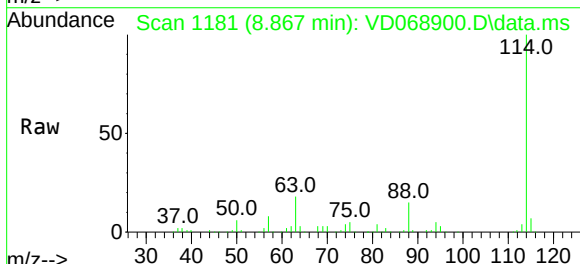
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19-14.5-15.0

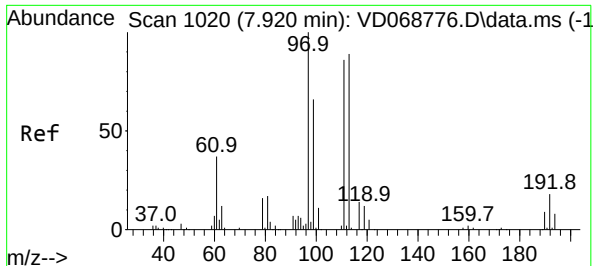
Tgt Ion:	65	Resp:	82683
Ion Ratio	Lower	Upper	
65	100		
67	52.5	0.0	106.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD068900.D
 Acq: 19 Apr 2021 15:37

Tgt Ion:	114	Resp:	320889
Ion Ratio	Lower	Upper	
114	100		
63	17.6	0.0	38.2
88	15.2	0.0	29.4





#35

Dibromofluoromethane

Concen: 47.82 ug/l

RT: 7.914 min Scan# 1019

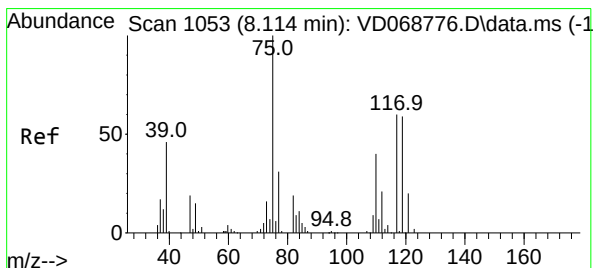
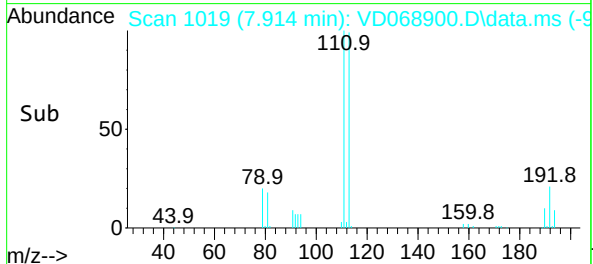
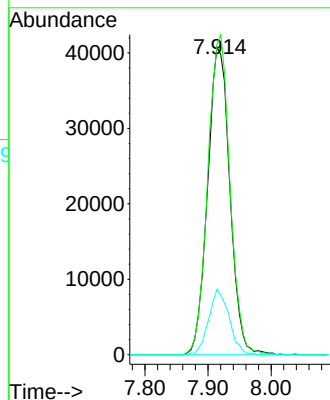
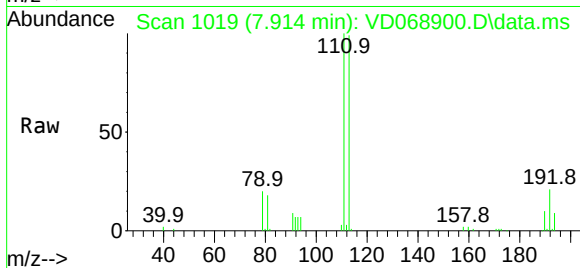
Delta R.T. -0.006 min

Lab File: VD068900.D

Acq: 19 Apr 2021 15:37

Tgt Ion:	113	Resp:	99816
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.5	123.7
192	19.5	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0



#36

1,1-Dichloropropene

Concen: 4.43 ug/l

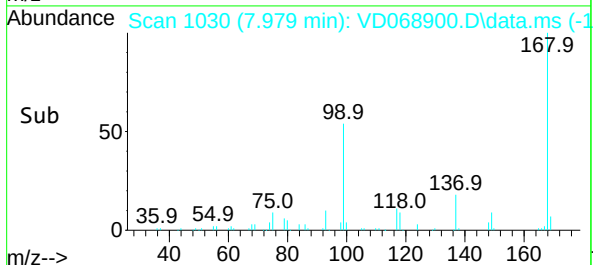
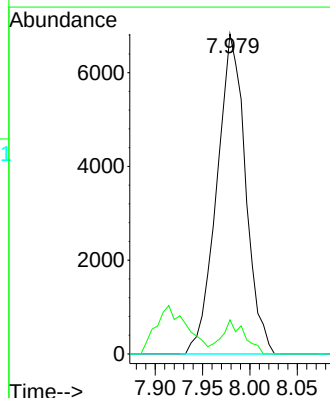
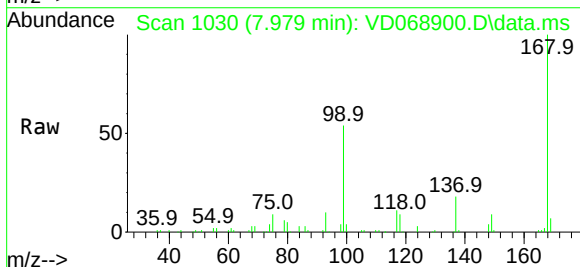
RT: 7.979 min Scan# 1030

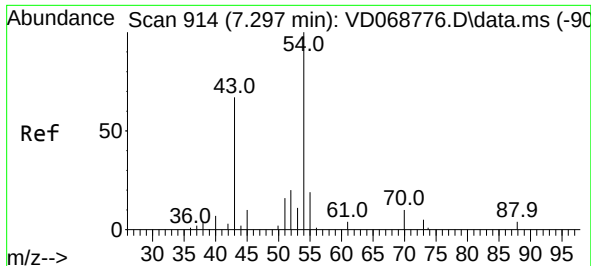
Delta R.T. -0.135 min

Lab File: VD068900.D

Acq: 19 Apr 2021 15:37

Tgt Ion:	75	Resp:	14398
Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.4#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 8.90 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.083 min

Lab File: VD068900.D

Acq: 19 Apr 2021 15:37

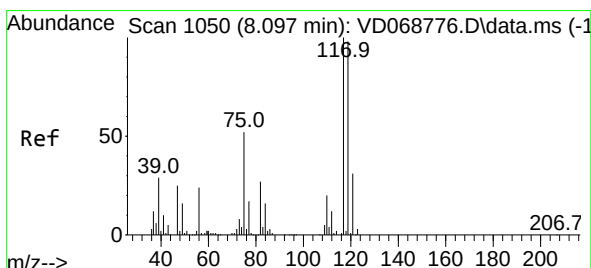
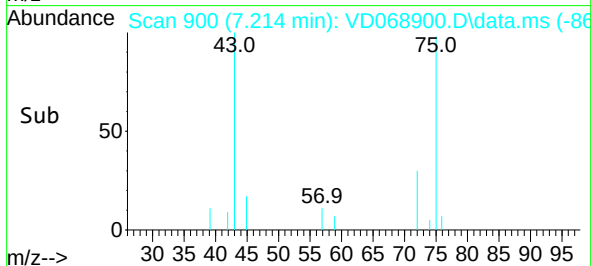
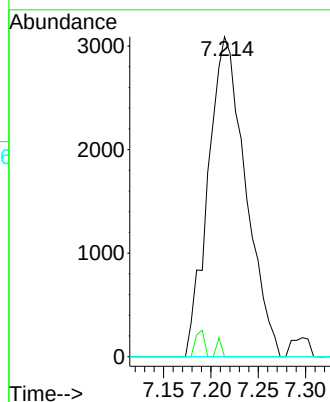
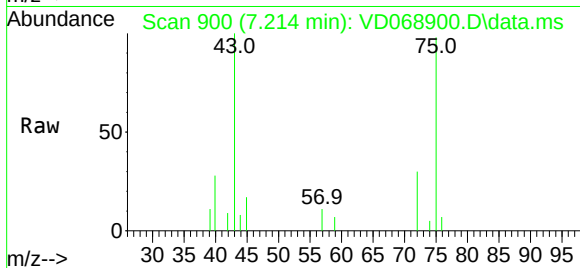
Instrument :

MSVOA_D

ClientSampleId :

SB-19-14.5-15.0

Tgt Ion: 43	Resp: 8488
Ion Ratio	Lower Upper
43 100	
61 0.8	14.2 21.4#
70 0.0	9.4 14.0#



#38

Carbon Tetrachloride

Concen: 5.65 ug/l

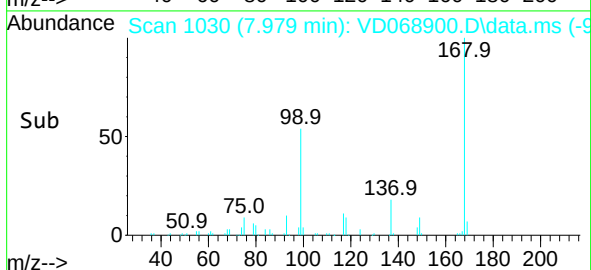
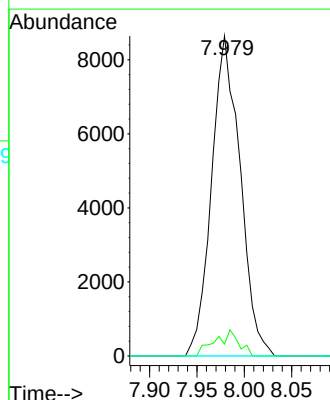
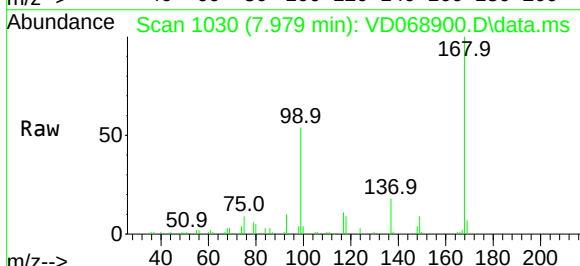
RT: 7.979 min Scan# 1030

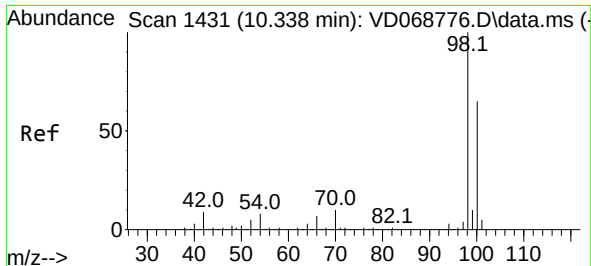
Delta R.T. -0.118 min

Lab File: VD068900.D

Acq: 19 Apr 2021 15:37

Tgt Ion: 117	Resp: 18155
Ion Ratio	Lower Upper
117 100	
119 3.7	76.6 115.0#
121 0.0	26.1 39.1#

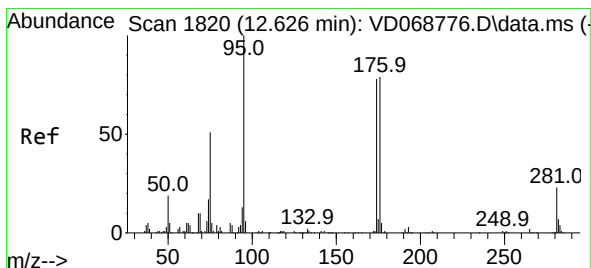
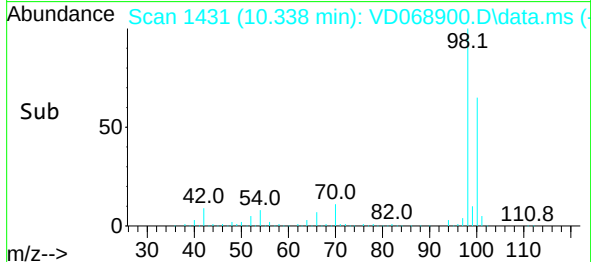
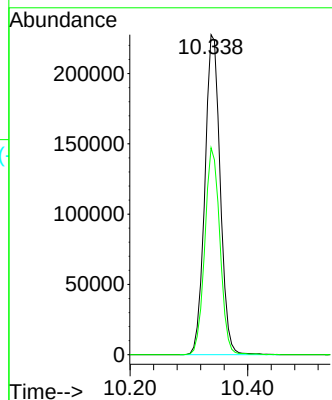
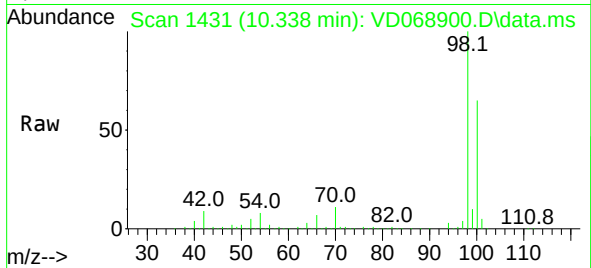




#50
Toluene-d8
Concen: 52.26 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

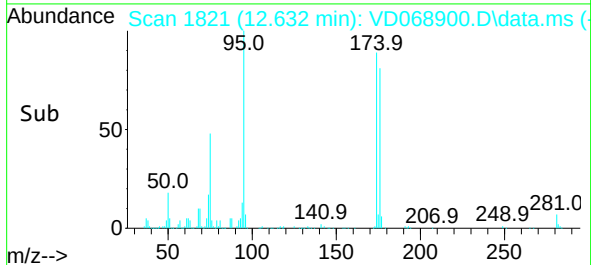
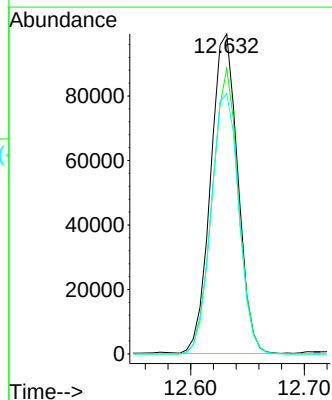
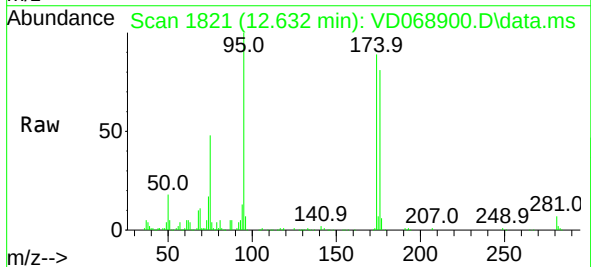
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

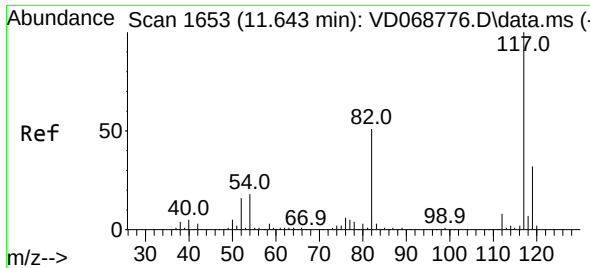
Tgt Ion: 98 Resp: 411487
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 63.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 95 Resp: 164943
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.0
176 83.2 0.0 160.2

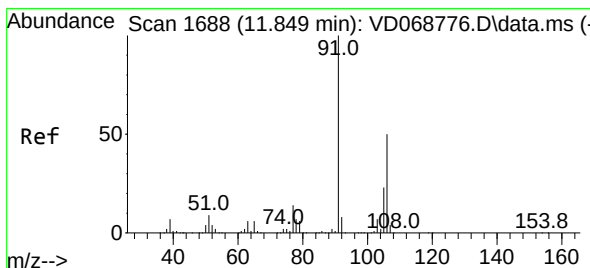
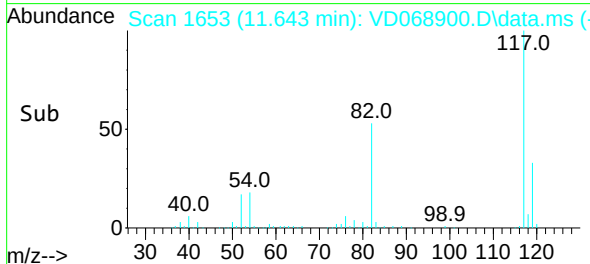
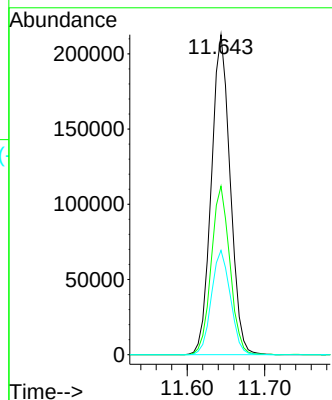
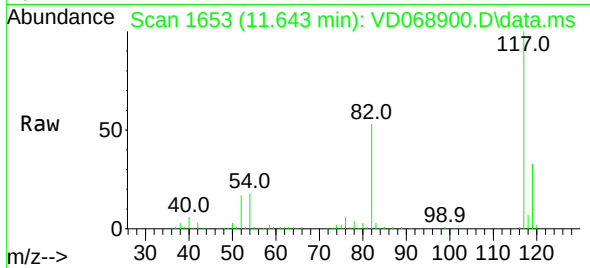




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

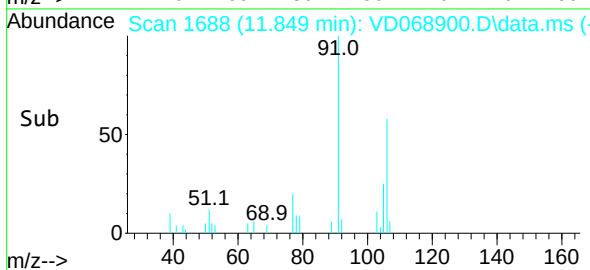
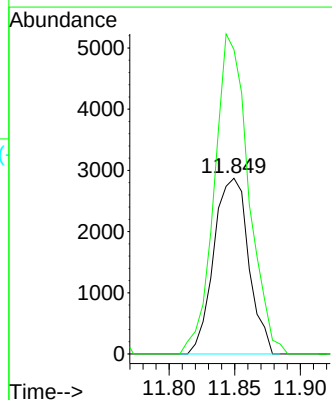
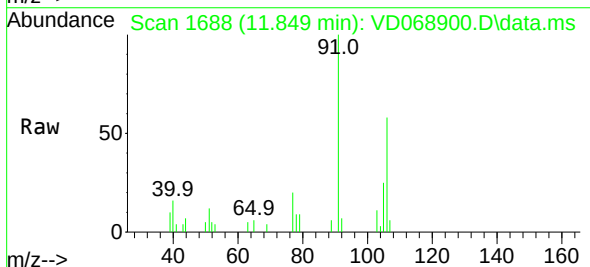
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

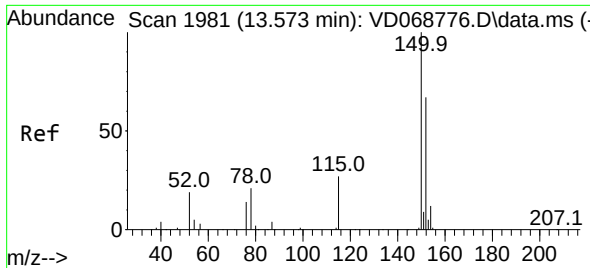
Tgt Ion:117 Resp: 359805
Ion Ratio Lower Upper
117 100
82 52.6 43.5 65.3
119 32.6 26.7 40.1



#68
m/p-Xylenes
Concen: 1.02 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion:106 Resp: 5310
Ion Ratio Lower Upper
106 100
91 178.1 158.6 238.0

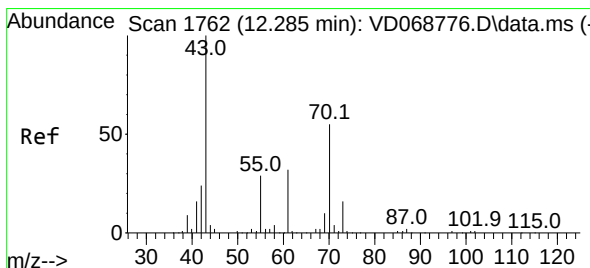
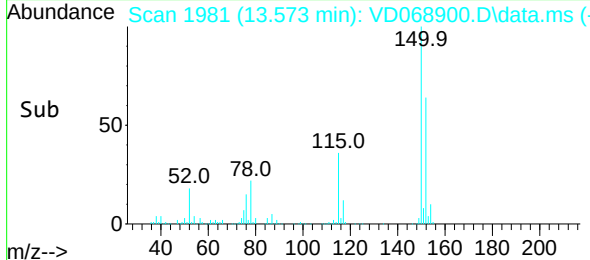
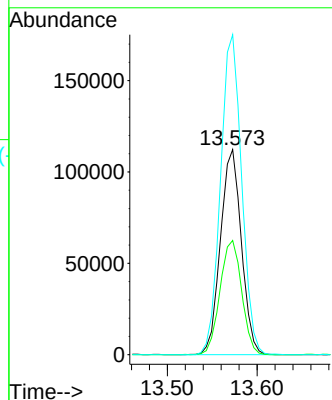
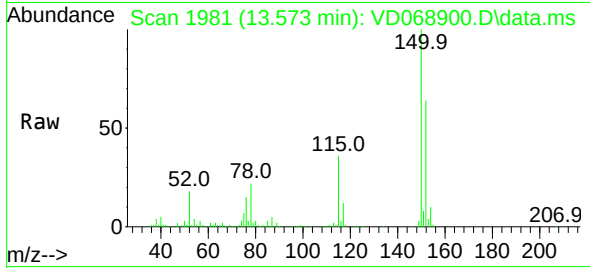




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

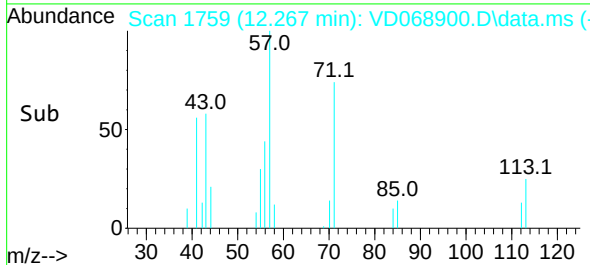
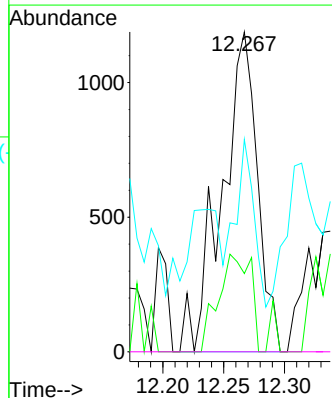
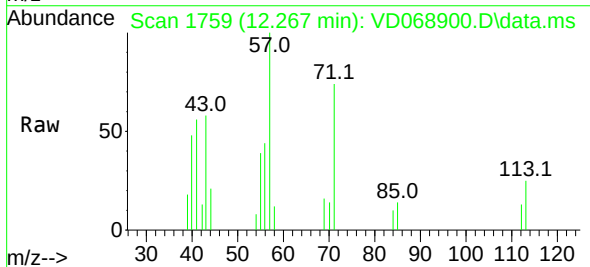
Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

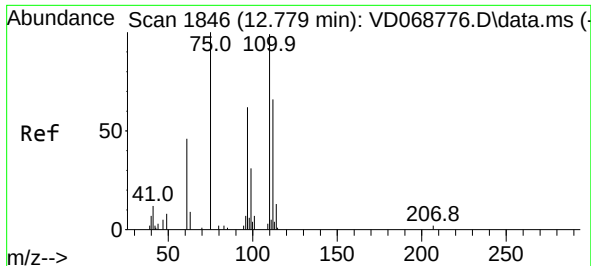
Tgt Ion:152 Resp: 181942
Ion Ratio Lower Upper
152 100
115 57.6 29.3 87.8
150 157.1 0.0 347.6



#74
N-ethyl acetate
Concen: 1.07 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 43 Resp: 2414
Ion Ratio Lower Upper
43 100
70 27.8 41.9 62.9#
55 27.3 22.8 34.2
61 0.0 22.7 34.1#

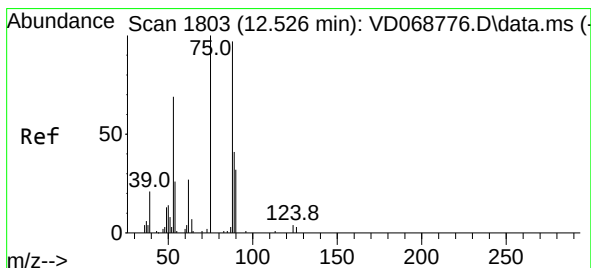
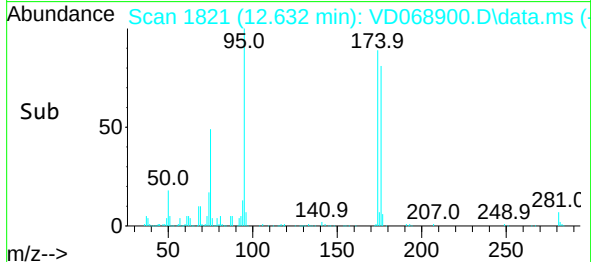
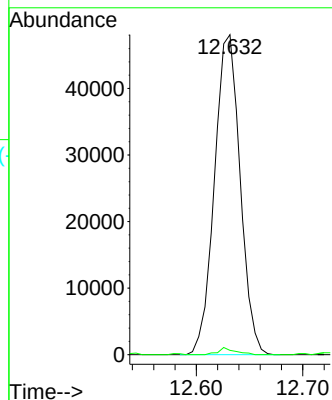
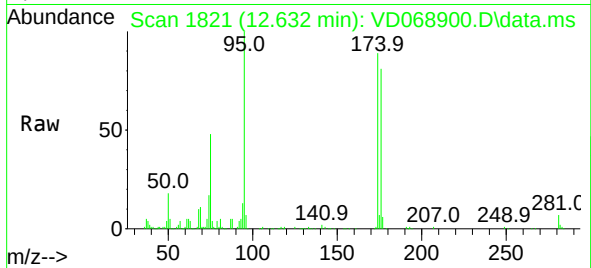




#76
1,2,3-Trichloropropane
Concen: 48.34 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Instrument :
MSVOA_D
ClientSampleId :
SB-19-14.5-15.0

Tgt Ion: 75 Resp: 80352
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.19 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068900.D
Acq: 19 Apr 2021 15:37

Tgt Ion: 75 Resp: 80352
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 0.0 36.6 54.8#

