

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070777.D
 Acq On : 20 Oct 2021 15:52
 Operator : VA/SY
 Sample : M4284-02
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20878-SOLID

Quant Time: Oct 21 05:39:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

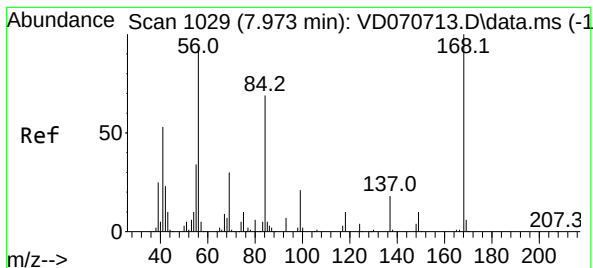
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	416694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	768854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	727490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	325379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	266360	53.969	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.940%			
35) Dibromofluoromethane	7.908	113	256372	52.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.160%			
50) Toluene-d8	10.338	98	1006390	53.328	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.620	95	317803	48.907	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.820%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	289	3.372	ug/l #	38
11) Tert butyl alcohol	5.232	59	624	2.259	ug/l #	83
15) Acrylonitrile	5.432	53	1226	1.044	ug/l #	75
16) Acetone	4.150	43	324906	272.939	ug/l	95
17) Carbon Disulfide	4.403	76	76399	4.629	ug/l #	95
20) Methylene Chloride	4.962	84	32582	Below Cal		96
23) Vinyl Acetate	6.314	43	134	16.343	ug/l #	69
25) 2-Butanone	7.208	43	44406	30.196	ug/l #	76
31) Cyclohexane	7.979	56	11722	1.174	ug/l #	38
36) 1,1-Dichloropropene	7.973	75	40220	4.696	ug/l #	49
37) Ethyl Acetate	7.208	43	44406	12.514	ug/l #	66
38) Carbon Tetrachloride	7.973	117	44328	5.403	ug/l #	17
41) Methacrylonitrile	7.508	41	144	2.005	ug/l #	1
52) Toluene	10.397	92	26174	1.782	ug/l	94
56) Ethyl methacrylate	10.679	69	72	4.167	ug/l #	1
59) 2-Hexanone	10.973	43	3551	1.414	ug/l	76
68) m/p-Xylenes	11.844	106	24373	2.358	ug/l	92
76) 1,2,3-Trichloropropane	12.626	75	162702	57.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	162702	126.770	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.255	105	51213	2.628	ug/l	99
86) p-Isopropyltoluene	13.502	119	33666	1.645	ug/l	94
95) Naphthalene	15.385	128	17116	6.262	ug/l #	91

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

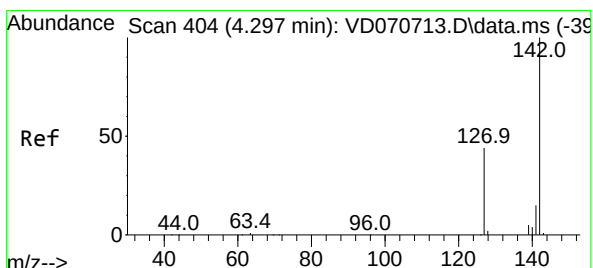
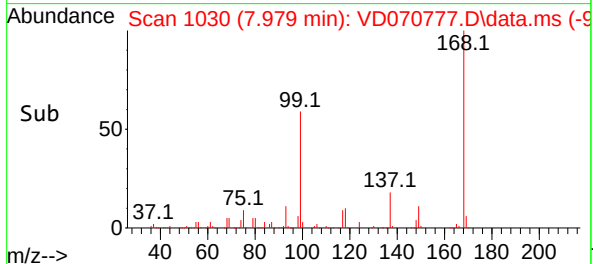
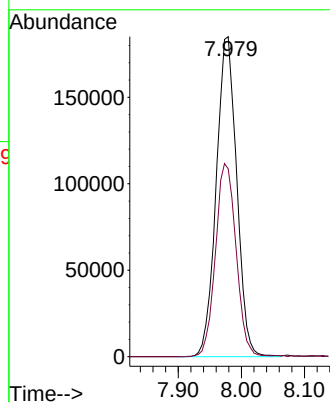
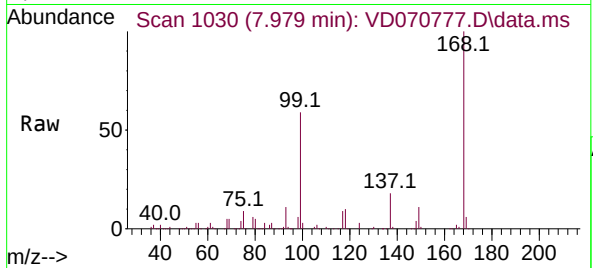




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

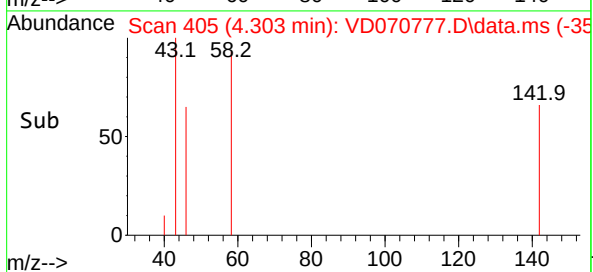
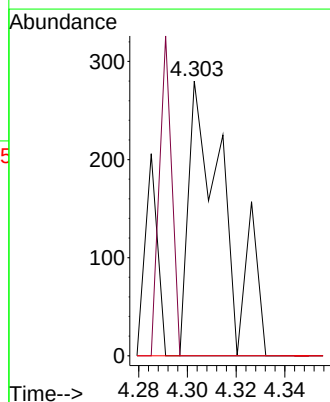
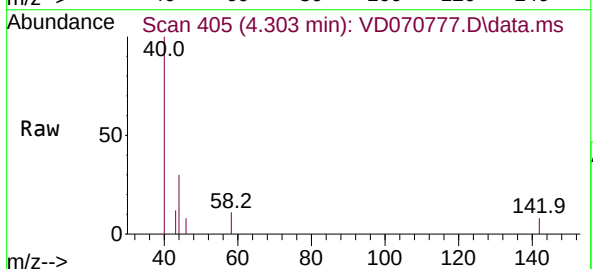
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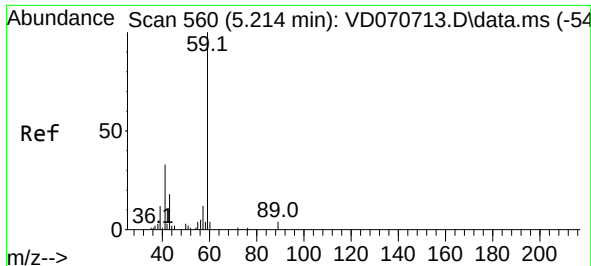
Tgt Ion:168 Resp: 416694
Ion Ratio Lower Upper
168 100
99 58.7 51.4 77.0



#10
Methyl Iodide
Concen: 3.372 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion:142 Resp: 289
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



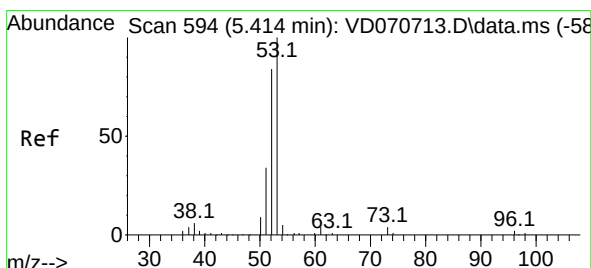
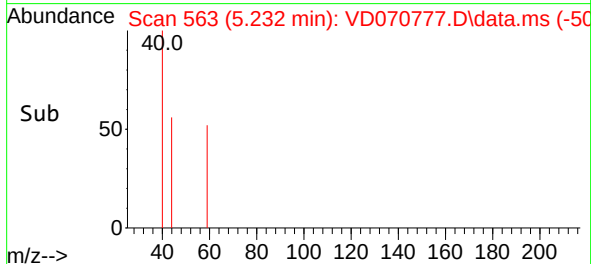
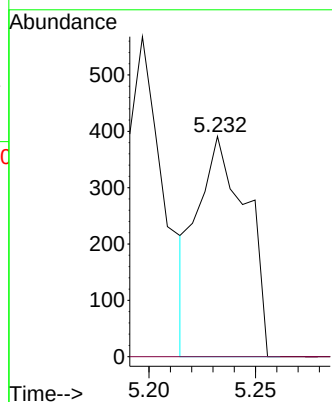
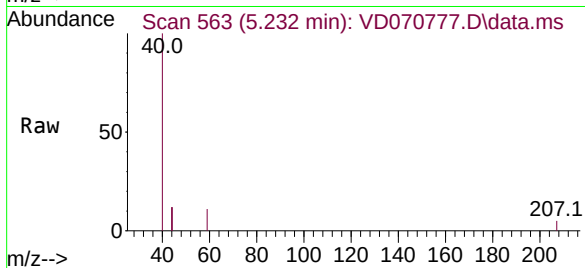


#11

Tert butyl alcohol
Concen: 2.259 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.018 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

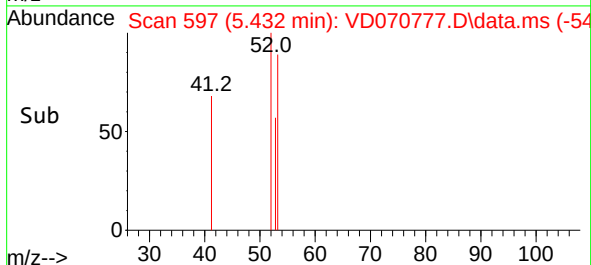
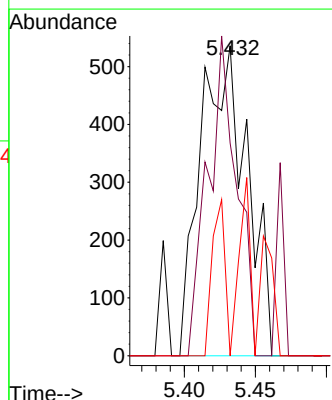
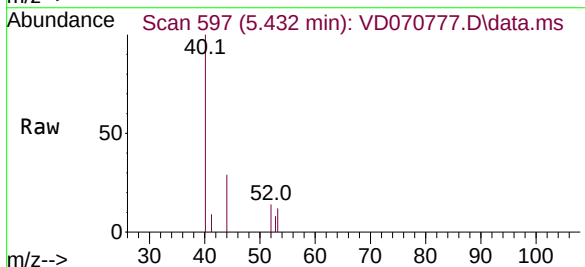
Tgt Ion: 59 Resp: 624
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

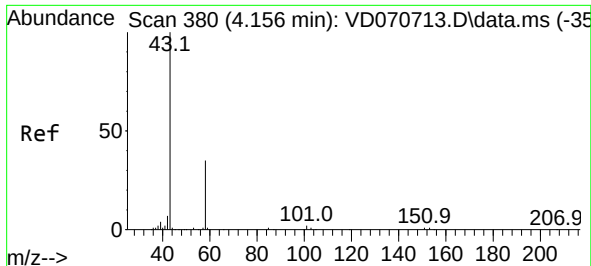


#15

Acrylonitrile
Concen: 1.044 ug/l
RT: 5.432 min Scan# 597
Delta R.T. 0.018 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 53 Resp: 1226
Ion Ratio Lower Upper
53 100
52 64.0 64.6 97.0#
51 13.7 28.7 43.1#

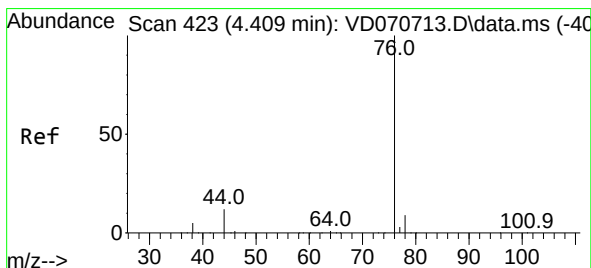
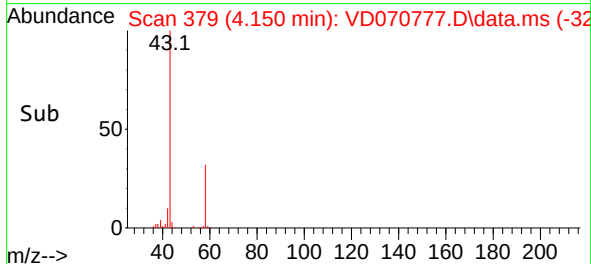
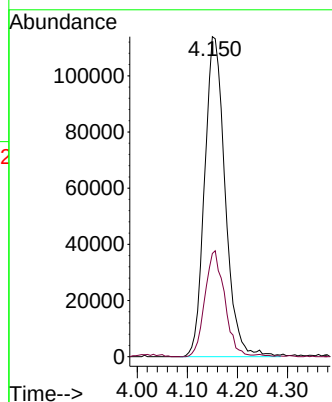
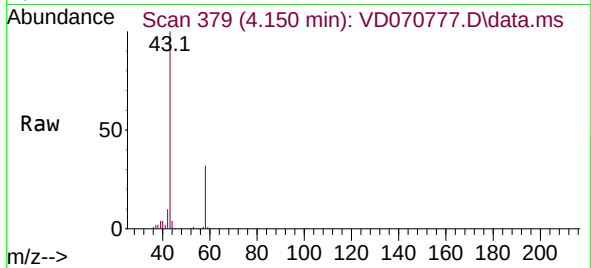




#16
Acetone
Concen: 272.939 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

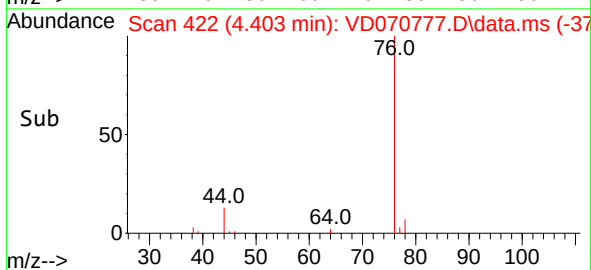
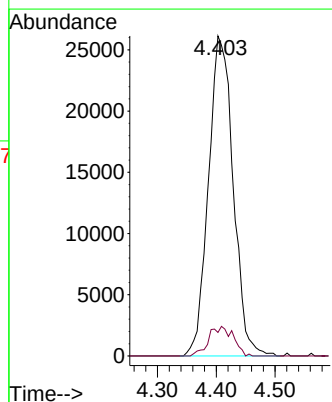
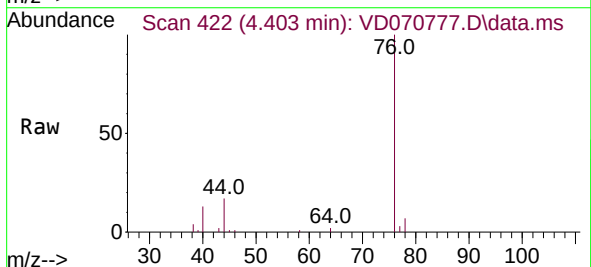
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MSVOA_D
ClientSampleId :
20878-SOLID

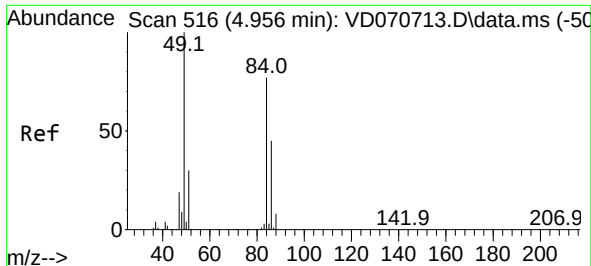
Tgt Ion: 43 Resp: 324906
Ion Ratio Lower Upper
43 100
58 32.2 28.2 42.2



#17
Carbon Disulfide
Concen: 4.629 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 76 Resp: 76399
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.2#

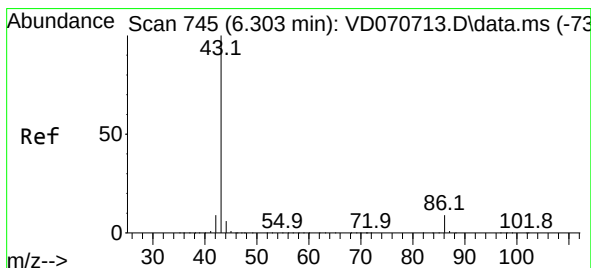
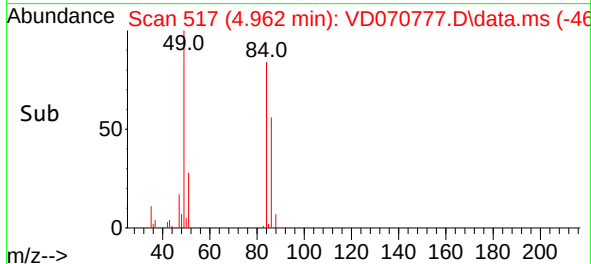
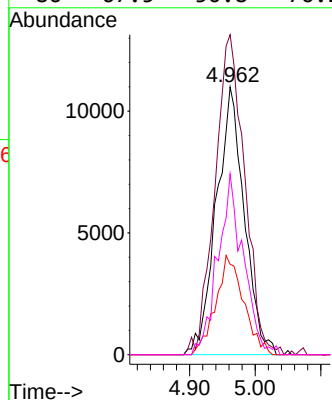
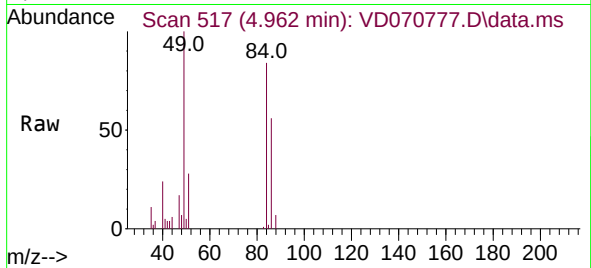




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

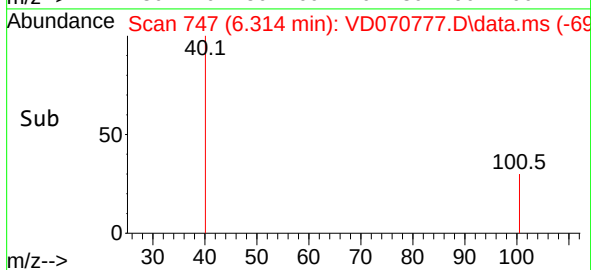
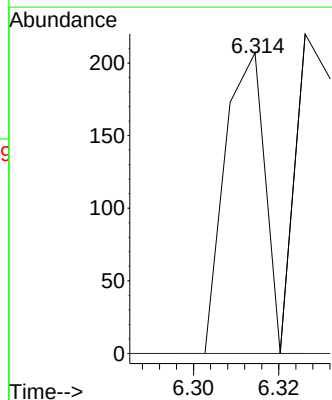
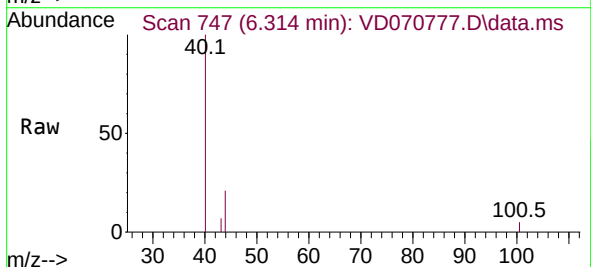
Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

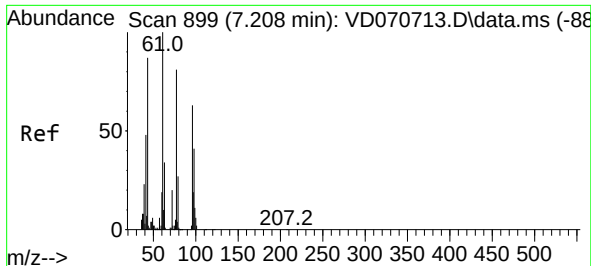
Tgt Ion:	84	Resp:	32582
Ion	Ratio	Lower	Upper
84	100		
49	119.5	91.4	137.2
51	33.8	26.7	40.1
86	67.5	50.8	76.2



#23
Vinyl Acetate
Concen: 16.343 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion:	43	Resp:	134
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#

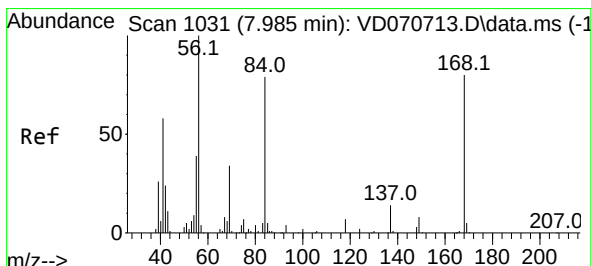
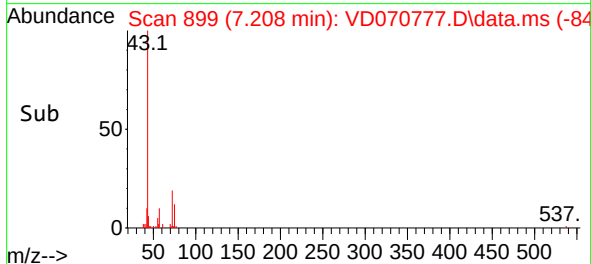
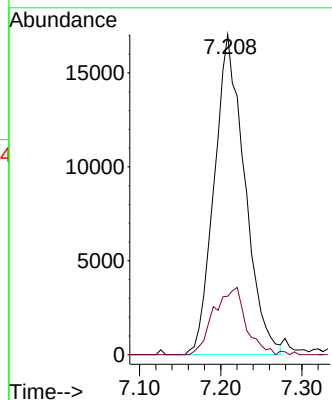
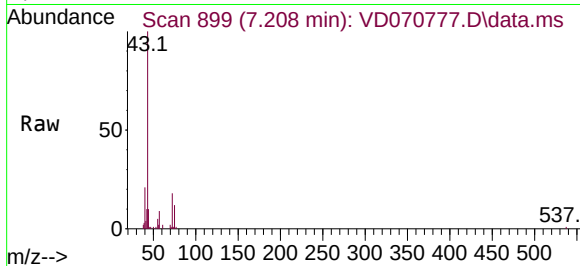




#25
2-Butanone
Concen: 30.196 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

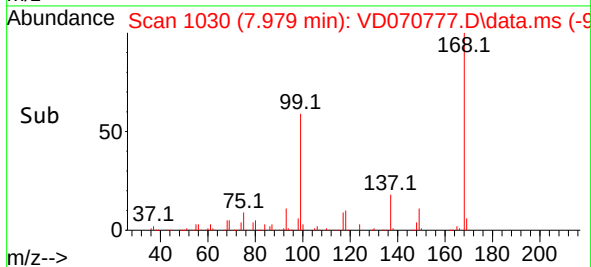
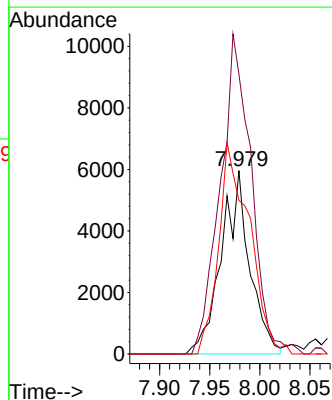
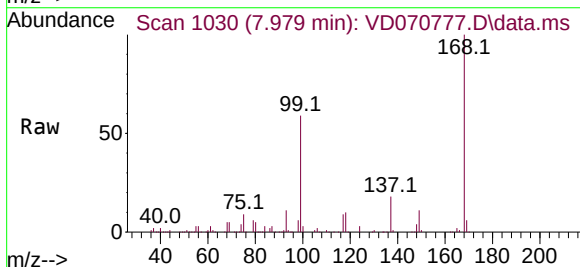
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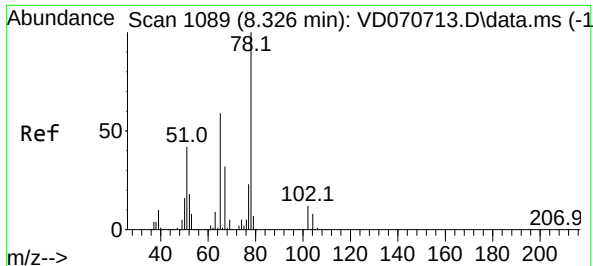
Tgt Ion: 43 Resp: 44406
Ion Ratio Lower Upper
43 100
72 18.3 25.2 37.8#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 56 Resp: 11722
Ion Ratio Lower Upper
56 100
69 152.7 27.4 41.2#
84 83.9 73.6 110.4

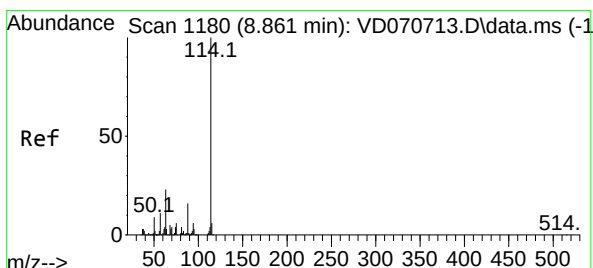
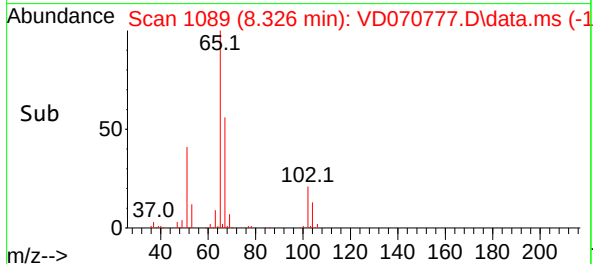
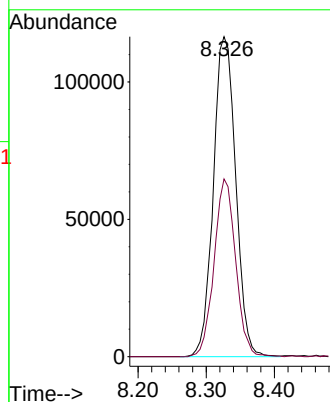
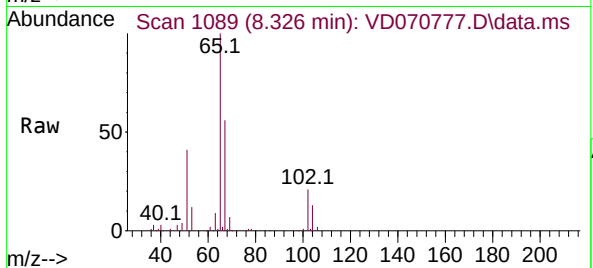




#33
1,2-Dichloroethane-d4
Concen: 53.969 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

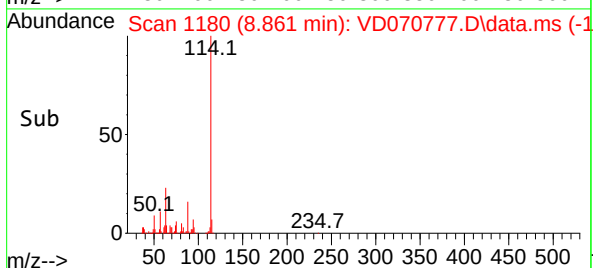
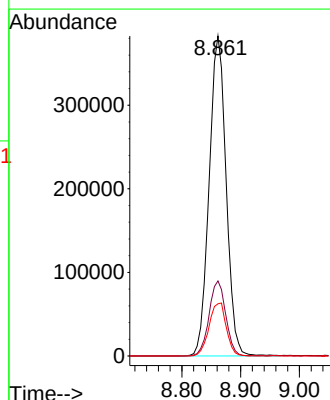
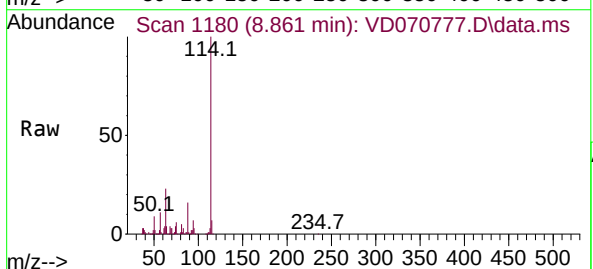
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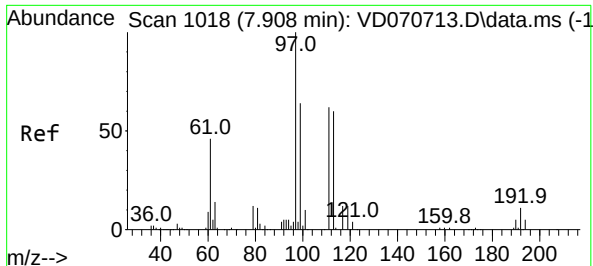
Tgt Ion: 65 Resp: 266360
Ion Ratio Lower Upper
65 100
67 53.4 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 114 Resp: 768854
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.076 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

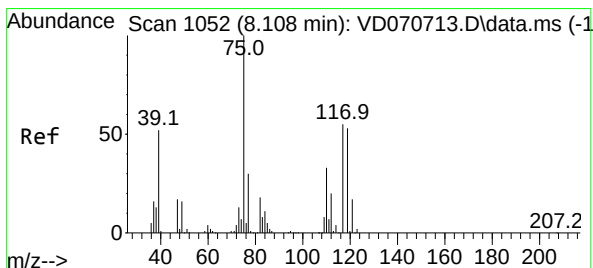
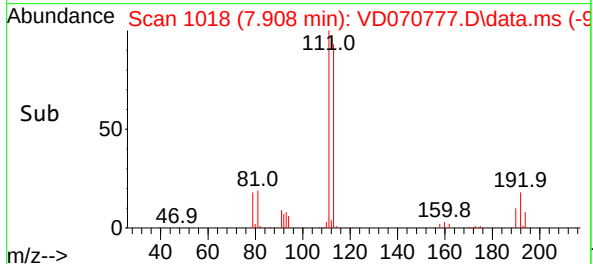
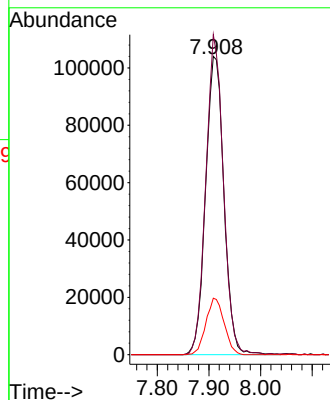
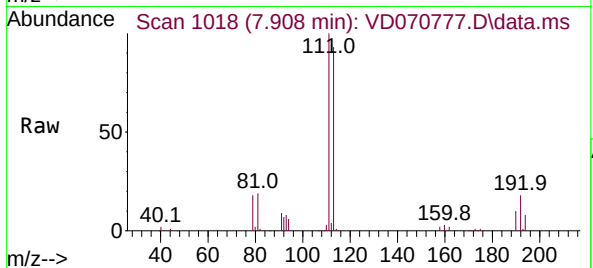
Tgt Ion:113 Resp: 256372

Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

192 18.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

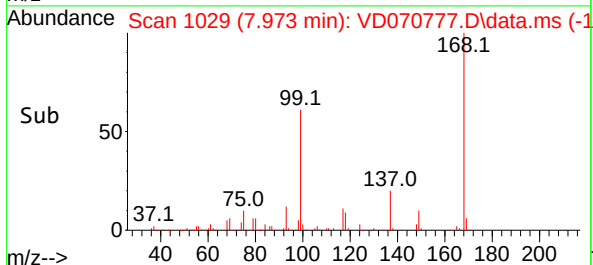
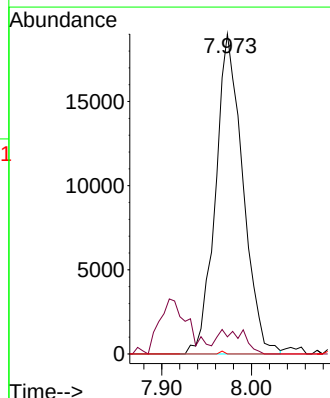
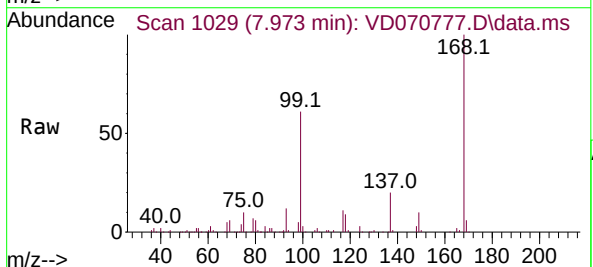
Tgt Ion: 75 Resp: 40220

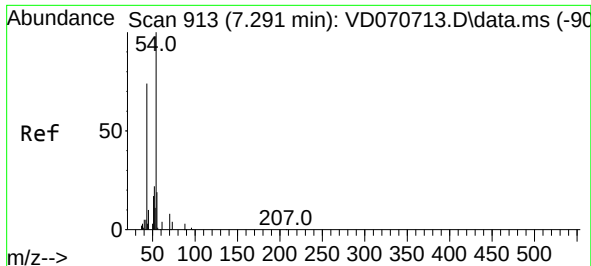
Ion Ratio Lower Upper

75 100

110 7.3 17.2 51.6#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 12.514 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

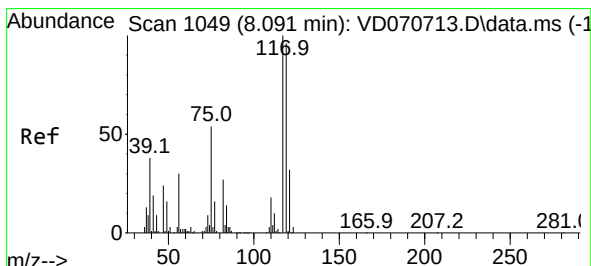
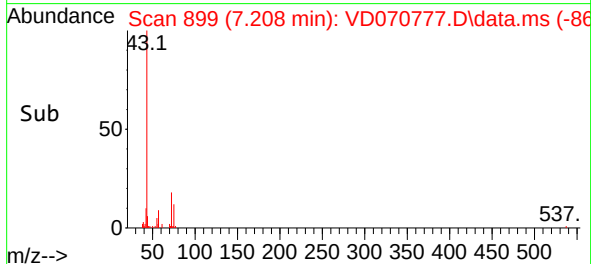
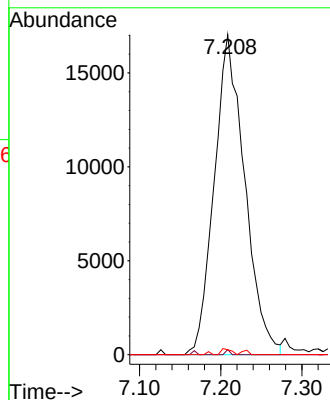
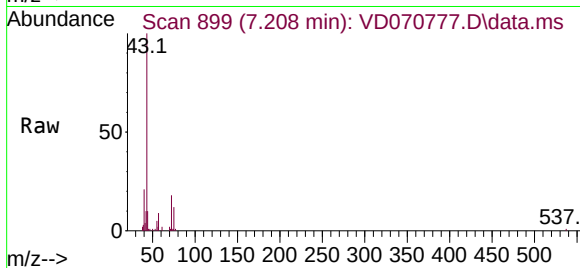
Instrument :

MSVOA_D

ClientSampleId :

20878-SOLID

Tgt Ion: 43	Resp: 44406
Ion Ratio	Lower Upper
43 100	
61 0.2	12.9 19.3#
70 0.6	9.9 14.9#



#38

Carbon Tetrachloride

Concen: 5.403 ug/l

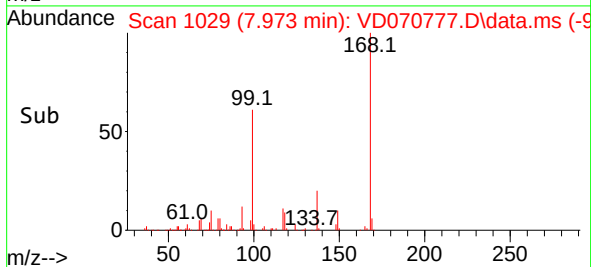
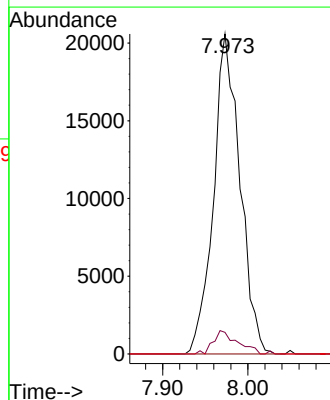
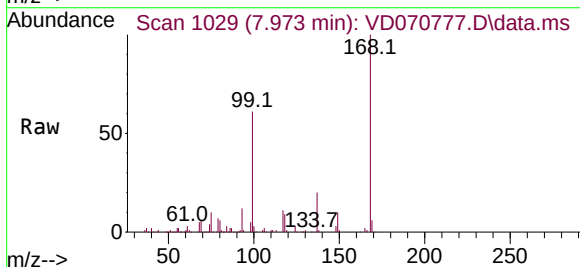
RT: 7.973 min Scan# 1029

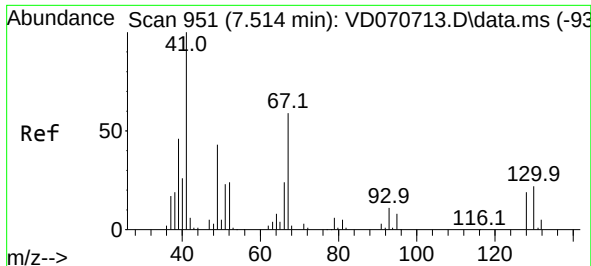
Delta R.T. -0.118 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

Tgt Ion: 117	Resp: 44328
Ion Ratio	Lower Upper
117 100	
119 6.8	77.4 116.0#
121 0.0	25.4 38.0#

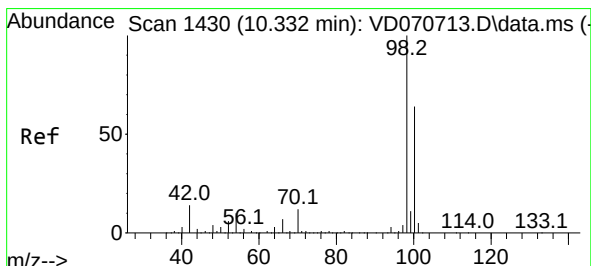
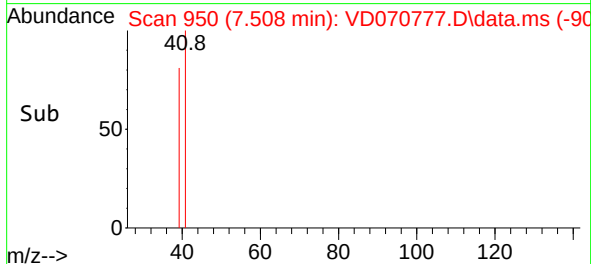
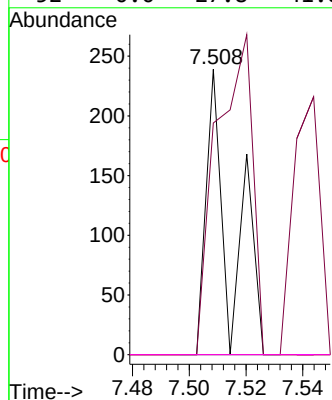
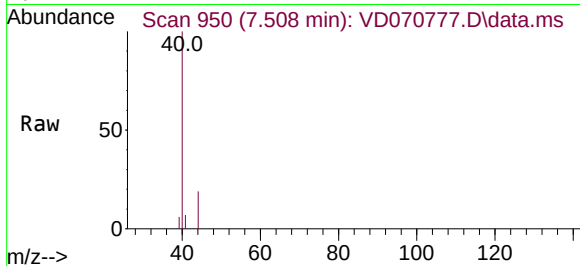




#41
Methacrylonitrile
Concen: 2.005 ug/l
RT: 7.508 min Scan# 950
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

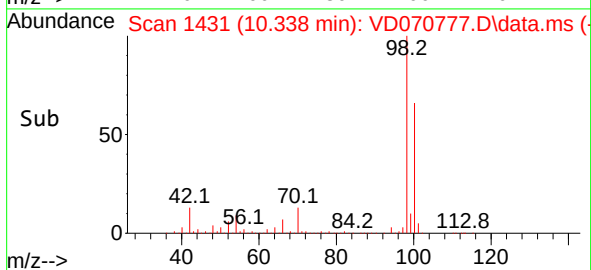
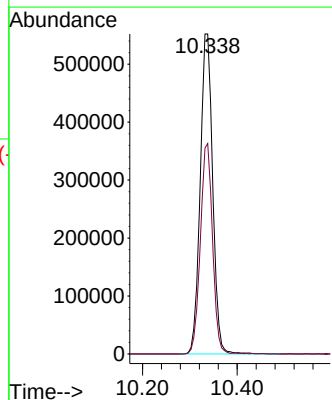
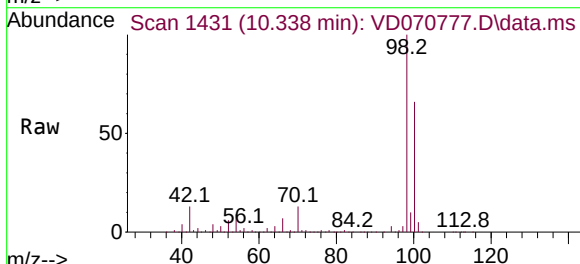
Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

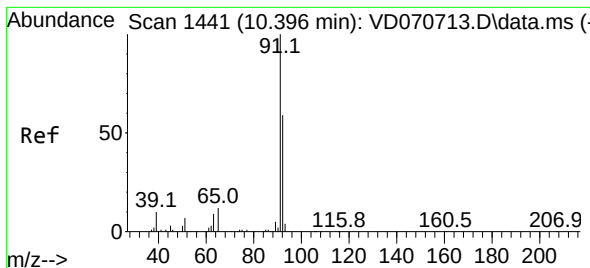
Tgt Ion:	41	Resp:	144
Ion	Ratio	Lower	Upper
41	100		
39	163.2	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 53.328 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion:	98	Resp:	1006390
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.2	78.4





#52

Toluene

Concen: 1.782 ug/l

RT: 10.397 min Scan# 1441

Delta R.T. 0.000 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

Tgt Ion: 92 Resp: 26174

Ion Ratio Lower Upper

92 100

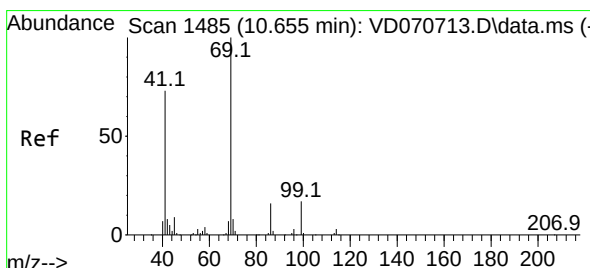
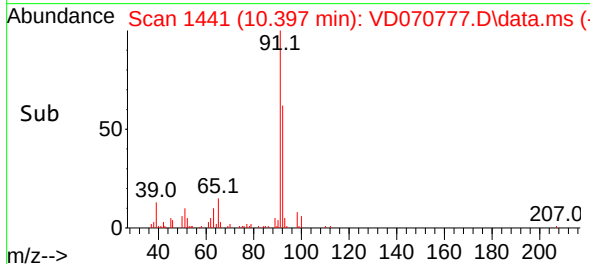
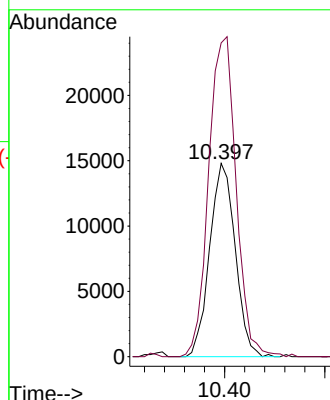
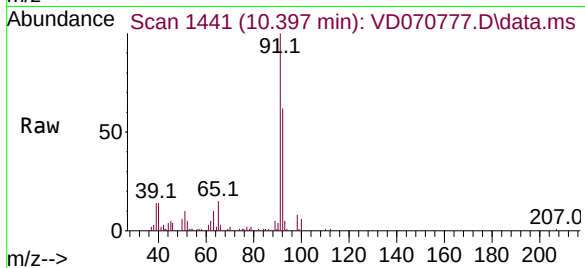
91 178.2 136.3 204.5

Instrument :

MSVOA_D

ClientSampleId :

20878-SOLID



#56

Ethyl methacrylate

Concen: 4.167 ug/l

RT: 10.679 min Scan# 1489

Delta R.T. 0.024 min

Lab File: VD070777.D

Acq: 20 Oct 2021 15:52

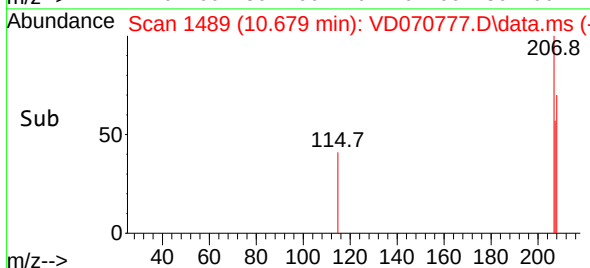
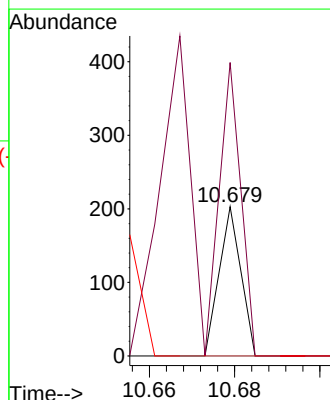
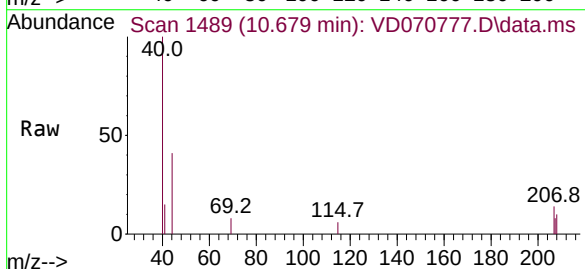
Tgt Ion: 69 Resp: 72

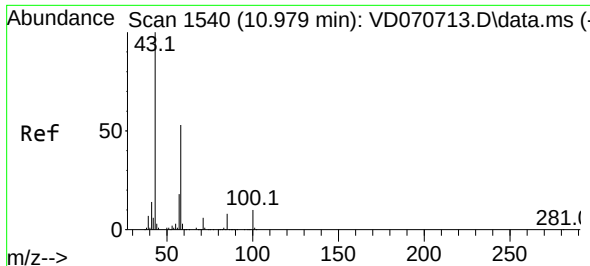
Ion Ratio Lower Upper

69 100

41 495.8 44.7 67.1#

39 0.0 19.5 29.3#

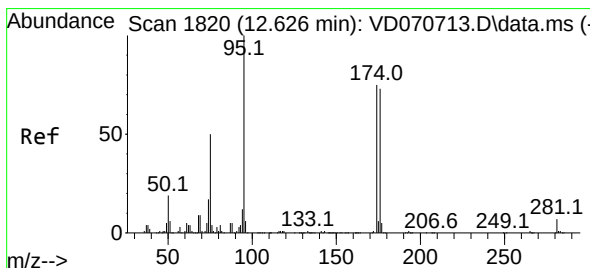
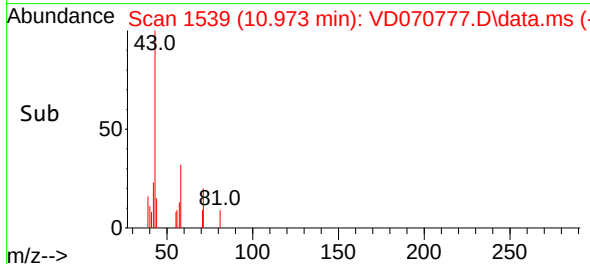
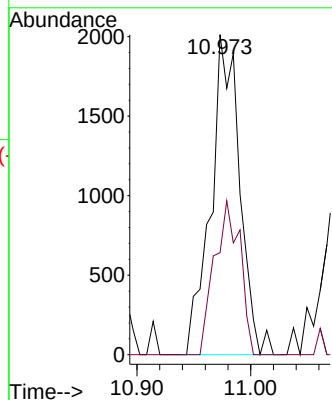
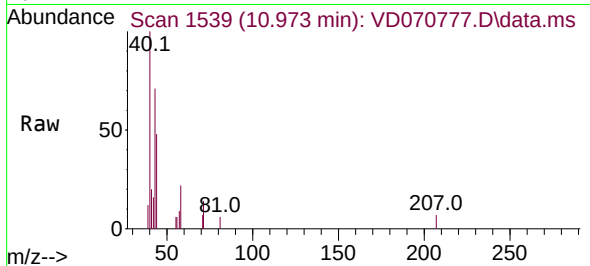




#59
2-Hexanone
Concen: 1.414 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

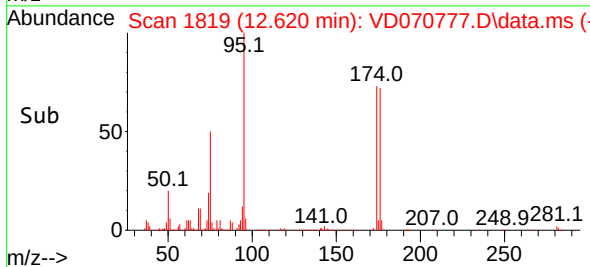
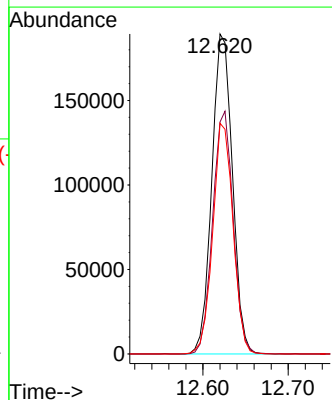
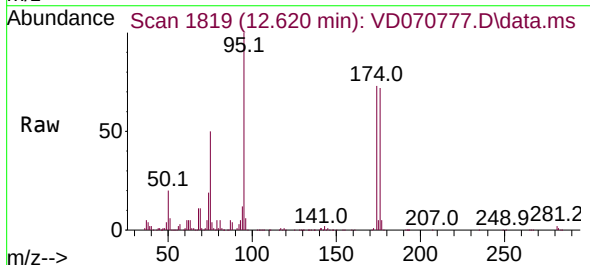
Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

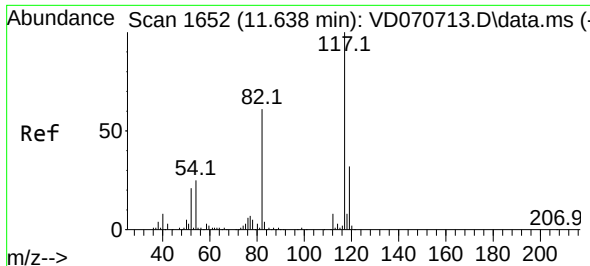
Tgt Ion: 43 Resp: 3551
Ion Ratio Lower Upper
43 100
58 42.4 30.4 91.3



#62
4-Bromofluorobenzene
Concen: 48.907 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 95 Resp: 317803
Ion Ratio Lower Upper
95 100
174 75.4 0.0 138.0
176 71.1 0.0 135.6

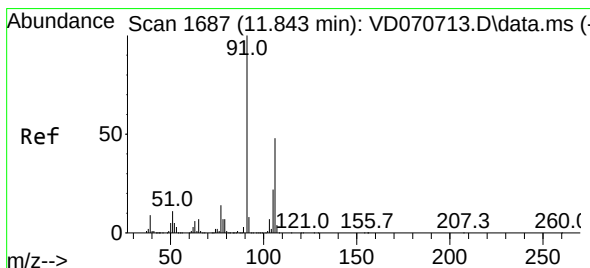
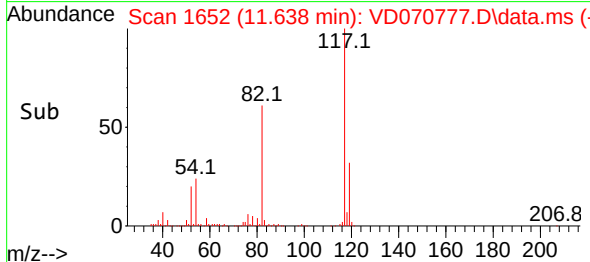
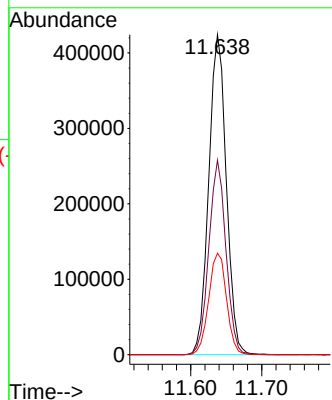
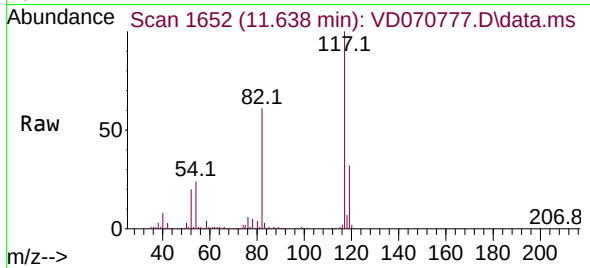




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

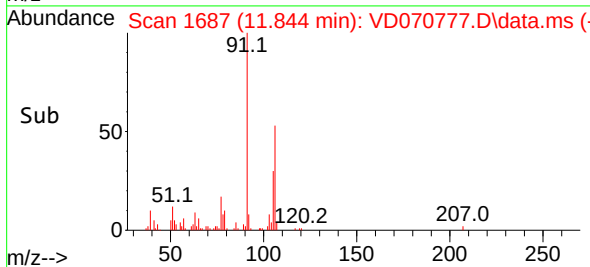
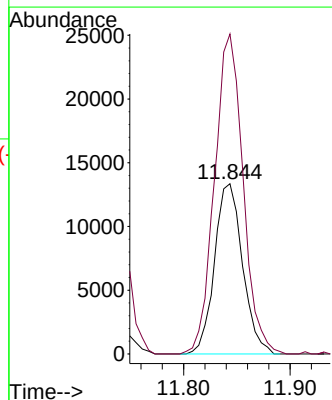
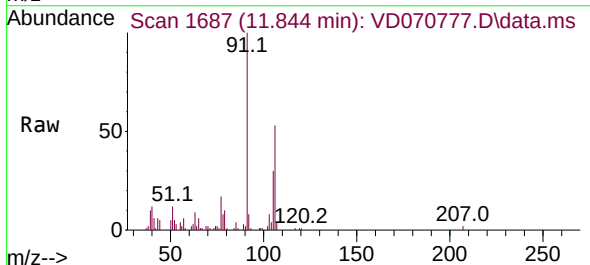
Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

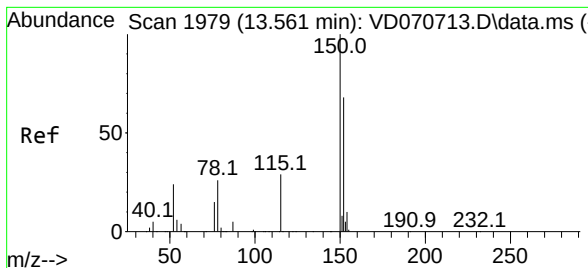
Tgt Ion:117 Resp: 727490
Ion Ratio Lower Upper
117 100
82 60.8 45.4 68.2
119 31.7 24.7 37.1



#68
m/p-Xylenes
Concen: 2.358 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion:106 Resp: 24373
Ion Ratio Lower Upper
106 100
91 191.8 162.7 244.1

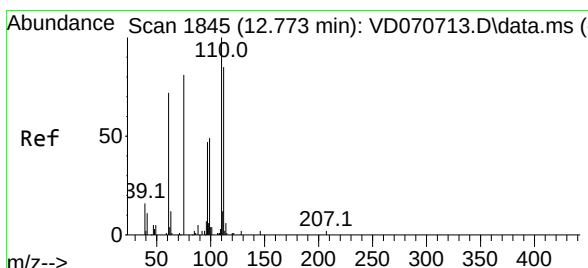
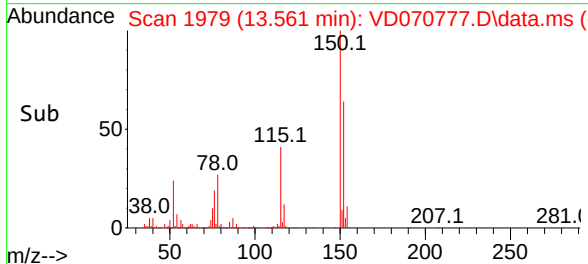
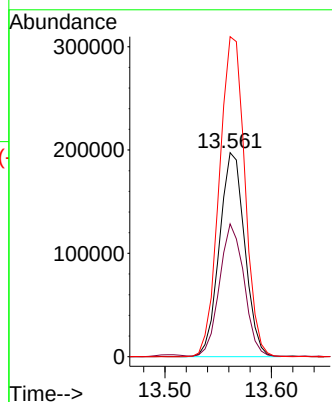
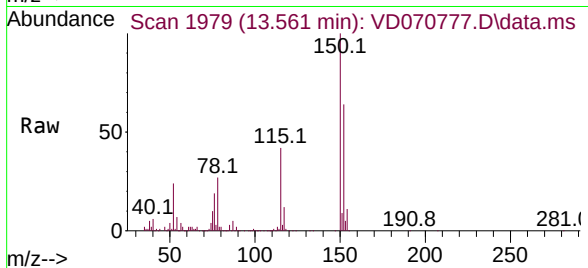




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070777.D
 Acq: 20 Oct 2021 15:52

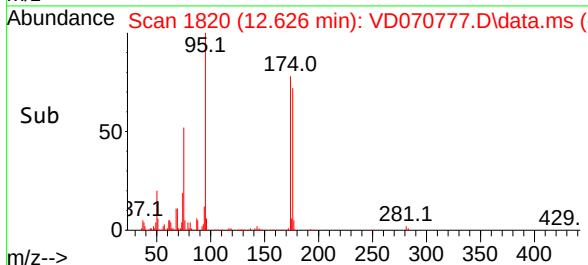
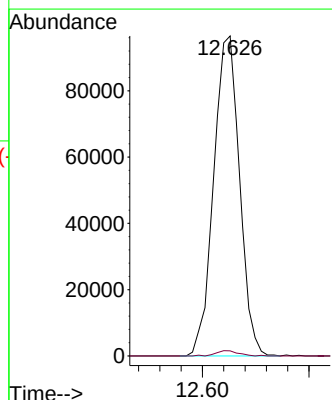
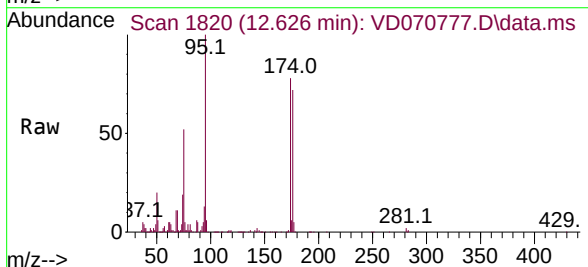
Instrument :
 MSVOA_D
 ClientSampleId :
 20878-SOLID

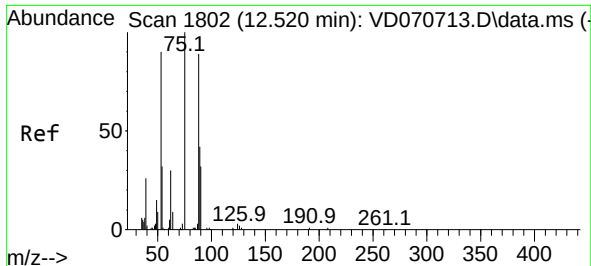
Tgt Ion:152 Resp: 325379
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.9 95.7
 150 158.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 57.878 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070777.D
 Acq: 20 Oct 2021 15:52

Tgt Ion: 75 Resp: 162702
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

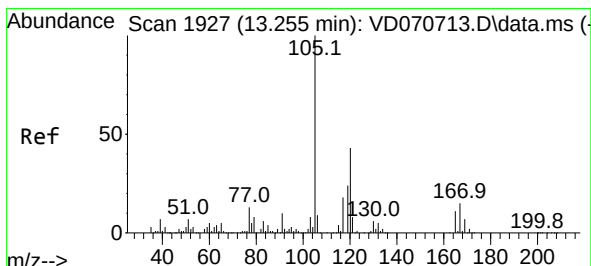
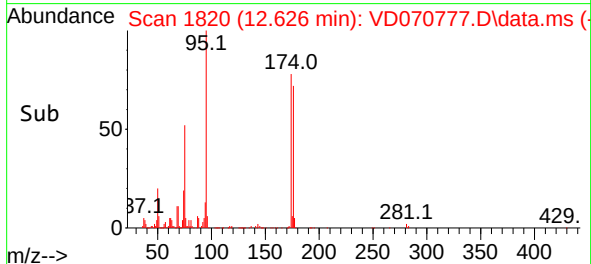
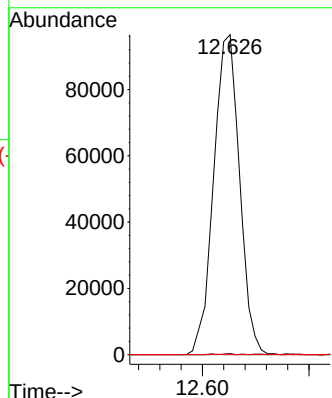
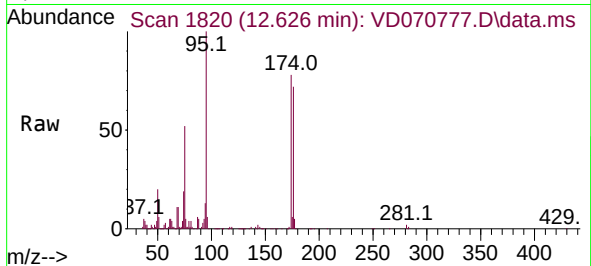




#81
trans-1,4-Dichloro-2-butene
Concen: 126.770 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

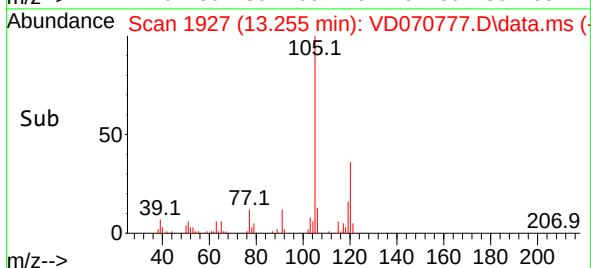
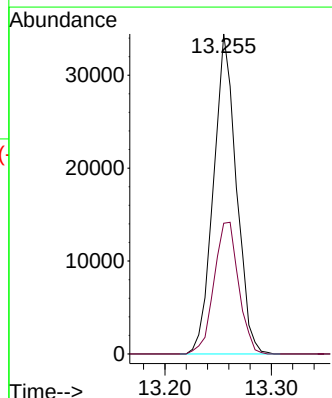
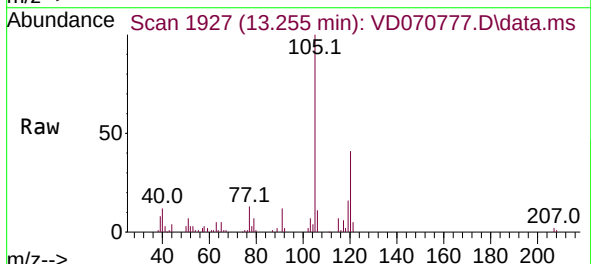
Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

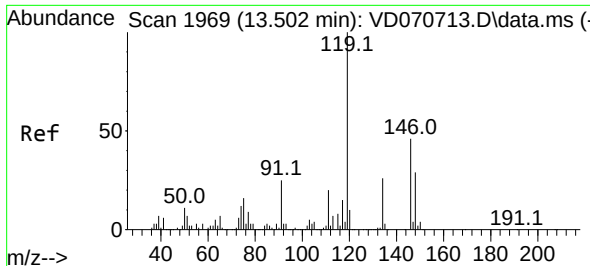
Tgt Ion: 75 Resp: 162702
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.628 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion: 105 Resp: 51213
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.8

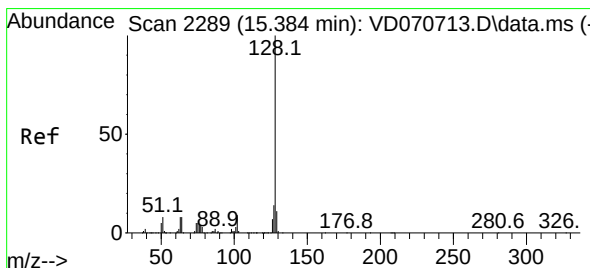
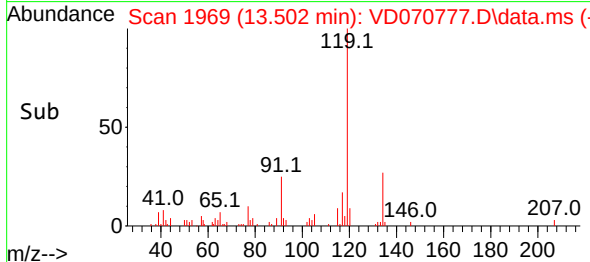
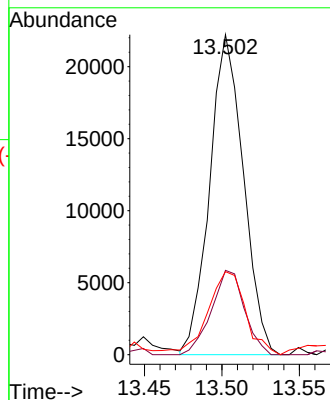
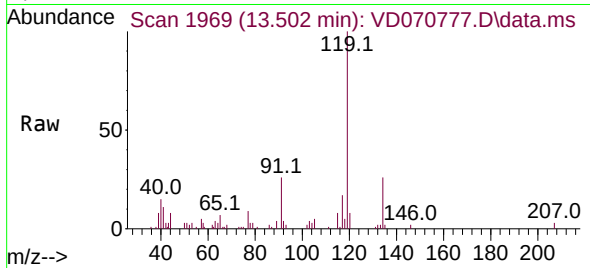




#86
p-Isopropyltoluene
Concen: 1.645 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Instrument :
MSVOA_D
ClientSampleId :
20878-SOLID

Tgt Ion:	119	Resp:	33666
Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.5	37.5
91	28.9	11.9	35.5



#95
Naphthalene
Concen: 6.262 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070777.D
Acq: 20 Oct 2021 15:52

Tgt Ion:	128	Resp:	17116
Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.9	16.3#
129	12.8	8.6	12.8

