

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068820.D
 Acq On : 09 Apr 2021 19:08
 Operator : VA/SY
 Sample : M1998-03
 Misc : 3.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3C

Quant Time: Apr 10 00:45:41 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)

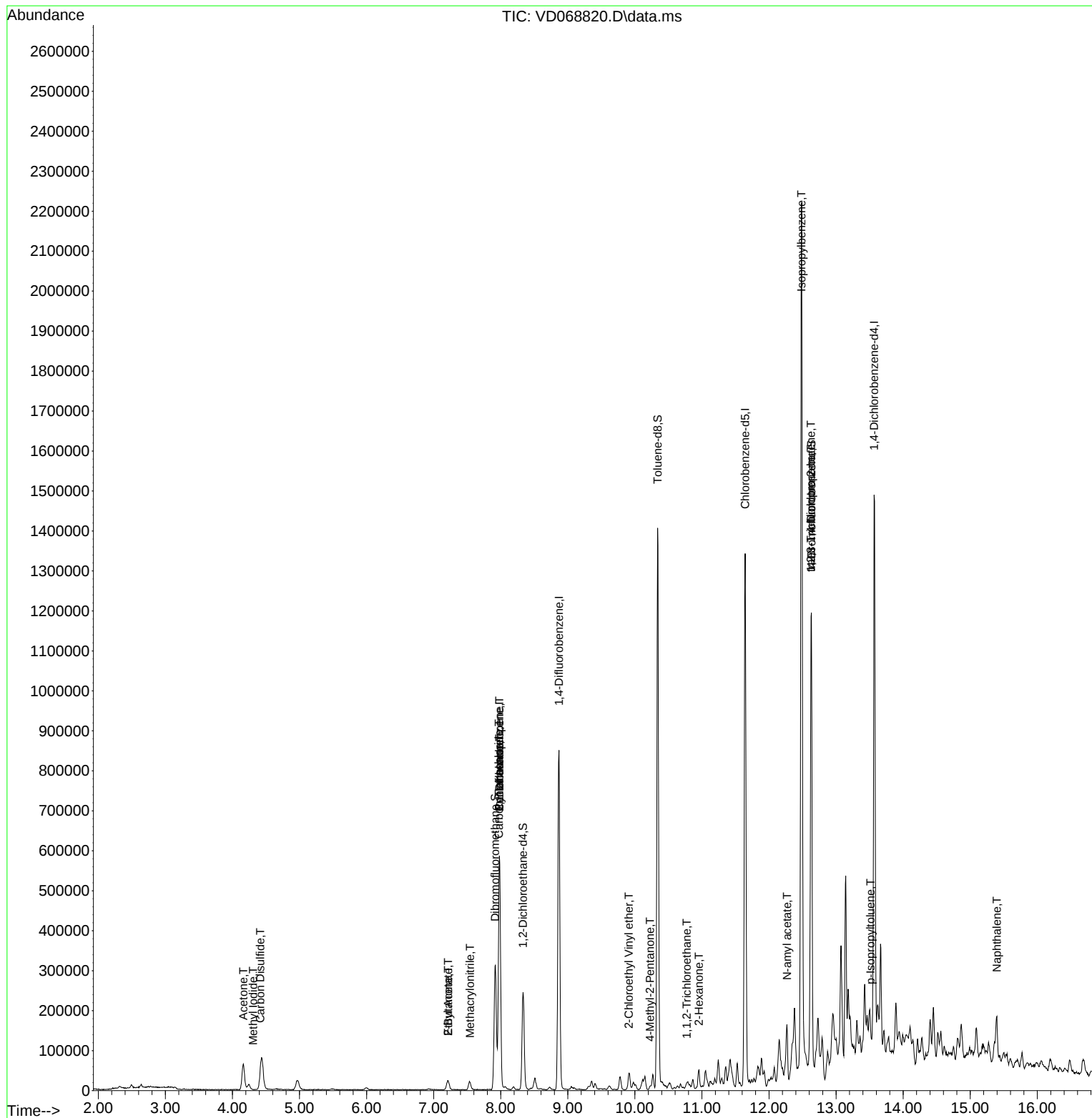
Internal Standards						
1) Pentafluorobenzene	7.979	168	458003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	789338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	824897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	395613	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	198517	41.01	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.02%		
35) Dibromofluoromethane	7.914	113	232047	45.20	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.40%		
50) Toluene-d8	10.338	98	965083	49.83	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.66%		
62) 4-Bromofluorobenzene	12.632	95	382775	59.51	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	119.02%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	119	2.27	ug/l #	41
11) Tert butyl alcohol	5.232	59	547	Below Cal	#	73
16) Acetone	4.162	43	108452	161.80	ug/l	94
17) Carbon Disulfide	4.415	76	30740	2.07	ug/l #	90
20) Methylene Chloride	4.968	84	21048	Below Cal		87
25) 2-Butanone	7.214	43	27396	28.88	ug/l	91
31) Cyclohexane	7.979	56	10402	1.29	ug/l #	22
36) 1,1-Dichloropropene	7.979	75	34054	4.26	ug/l #	49
37) Ethyl Acetate	7.214	43	27396	11.67	ug/l #	65
38) Carbon Tetrachloride	7.973	117	45235	5.72	ug/l #	19
41) Methacrylonitrile	7.544	41	4211	3.03	ug/l #	44
51) 4-Methyl-2-Pentanone	10.226	43	4499	1.87	ug/l #	82
55) 1,1,2-Trichloroethane	10.773	97	4694	1.07	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.908	63	67	17.02	ug/l #	44
59) 2-Hexanone	10.955	43	16698	10.35	ug/l #	24
73) Isopropylbenzene	12.485	105	97007	3.36	ug/l #	62
74) N-amyl acetate	12.267	43	32271	6.59	ug/l #	68
76) 1,2,3-Trichloropropane	12.626	75	189320	52.38	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	189320	121.57	ug/l #	16
86) p-Isopropyltoluene	13.514	119	28836	1.09	ug/l #	86
95) Naphthalene	15.396	128	105251	8.20	ug/l	97

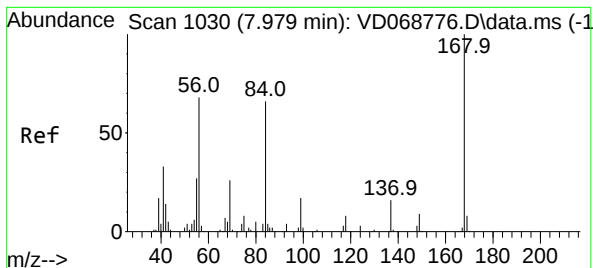
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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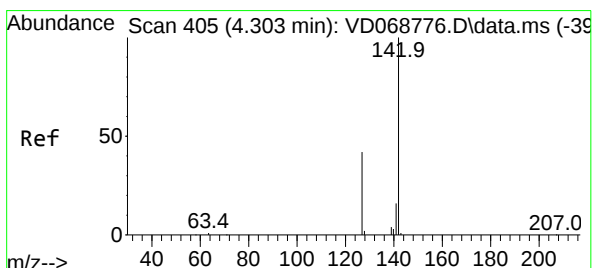
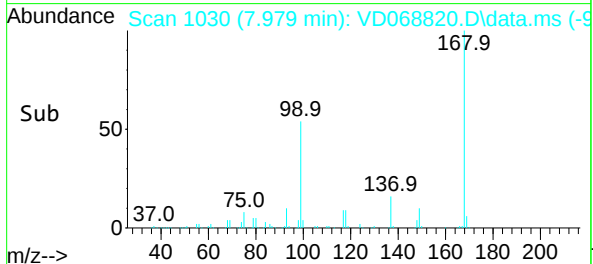
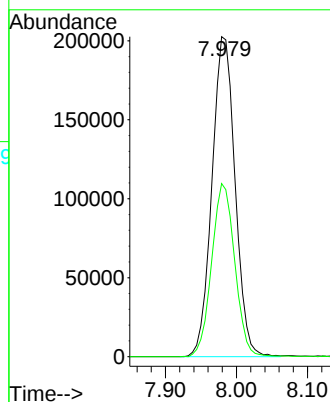
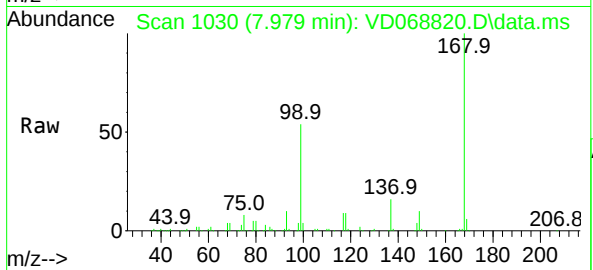




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

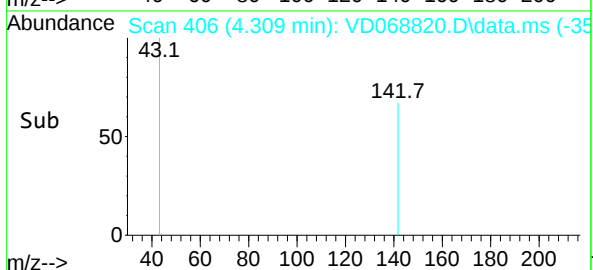
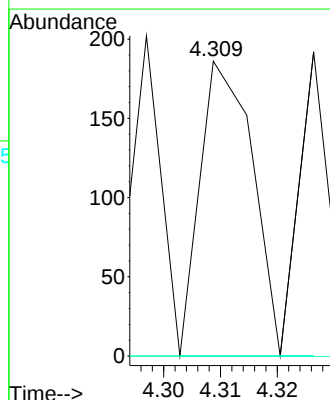
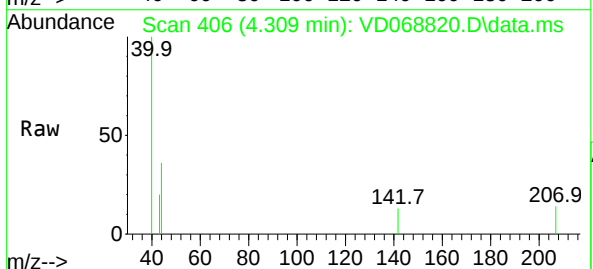
Instrument :
MSVOA_D
ClientSampled :
SB-3C

Tgt Ion:168 Resp: 458003
Ion Ratio Lower Upper
168 100
99 54.1 46.2 69.2



#10
Methyl Iodide
Concen: 2.27 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion:142 Resp: 119
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

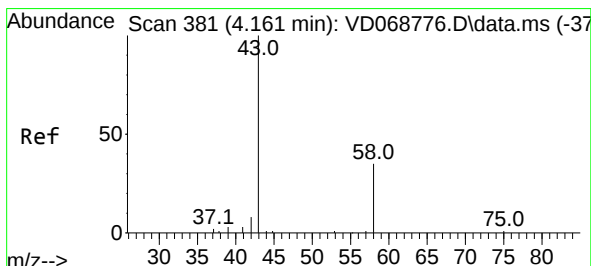
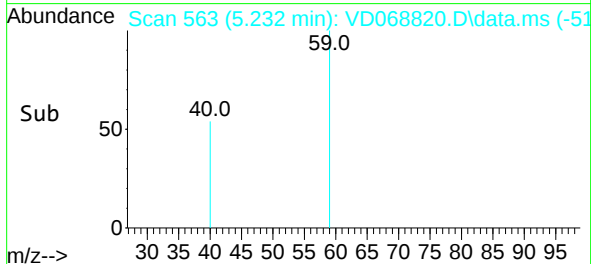
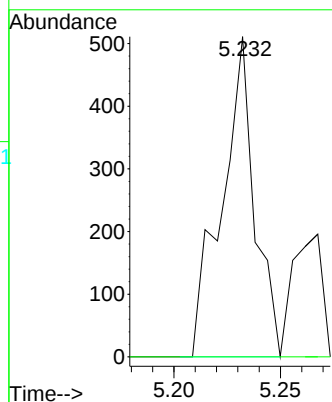
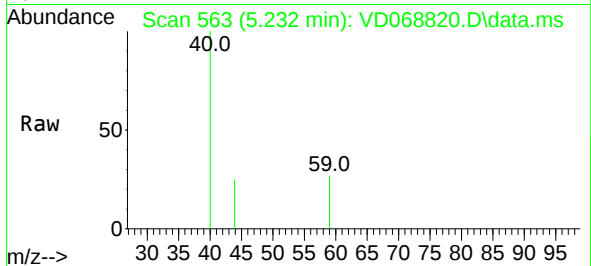




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

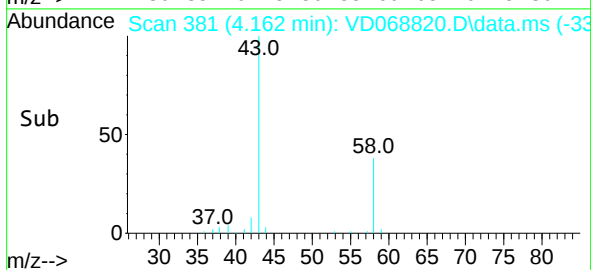
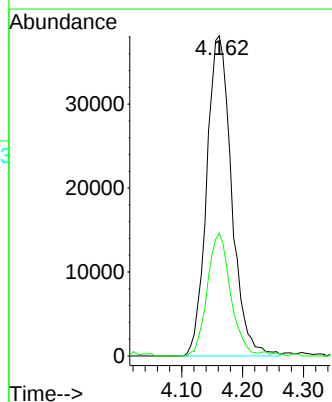
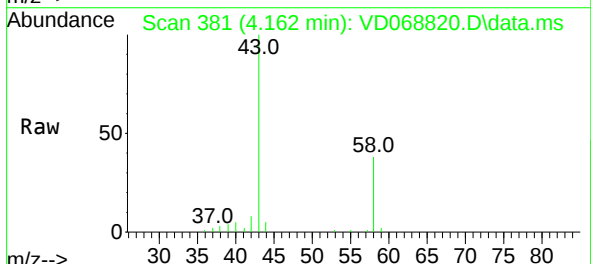
Instrument :
MSVOA_D
ClientSampled :
SB-3C

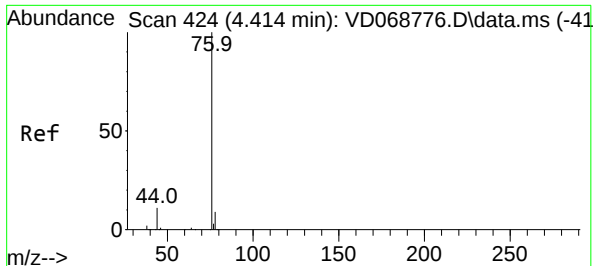
Tgt Ion: 59 Resp: 547
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 161.80 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 43 Resp: 108452
Ion Ratio Lower Upper
43 100
58 38.4 28.0 42.0

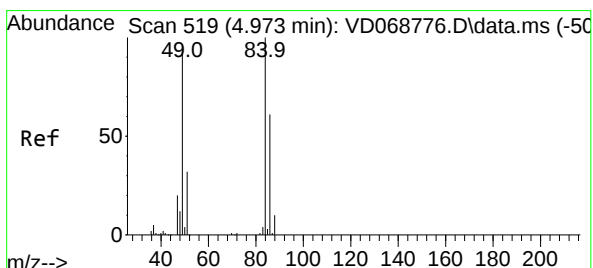
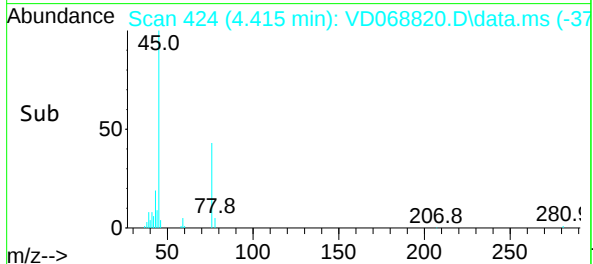
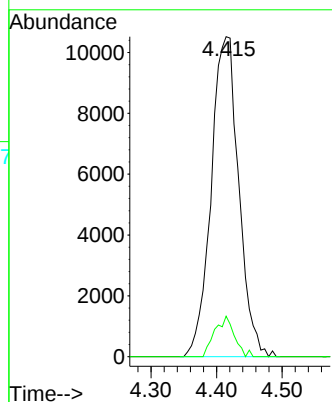
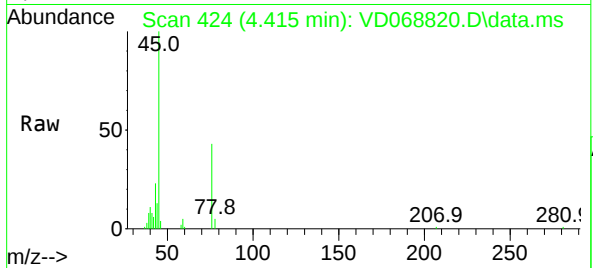




#17
Carbon Disulfide
Concen: 2.07 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.001 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

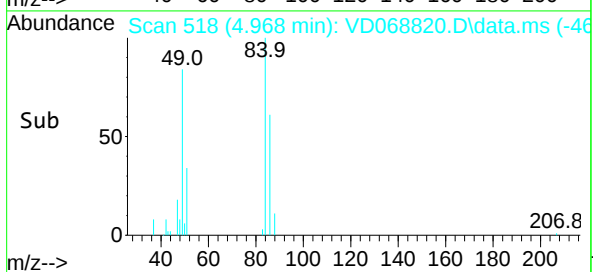
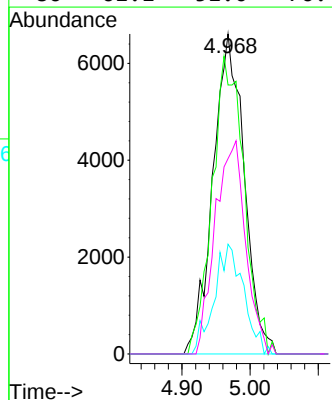
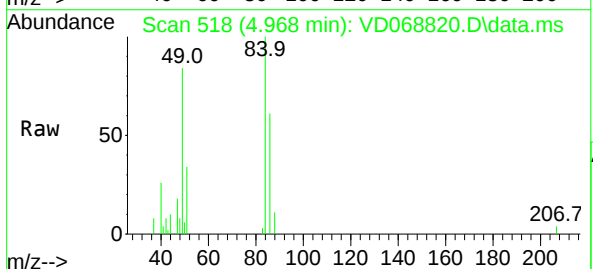
Instrument :
MSVOA_D
ClientSampleId :
SB-3C

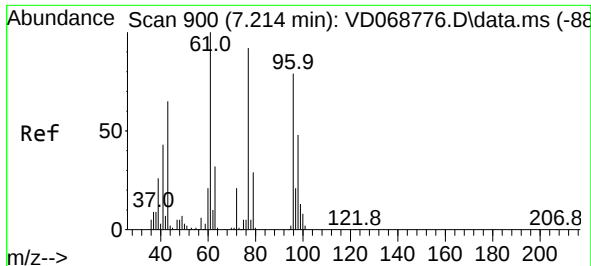
Tgt Ion: 76 Resp: 30740
Ion Ratio Lower Upper
76 100
78 12.7 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. -0.005 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 84 Resp: 21048
Ion Ratio Lower Upper
84 100
49 84.0 83.4 125.0
51 34.3 23.4 35.2
86 61.1 51.0 76.4

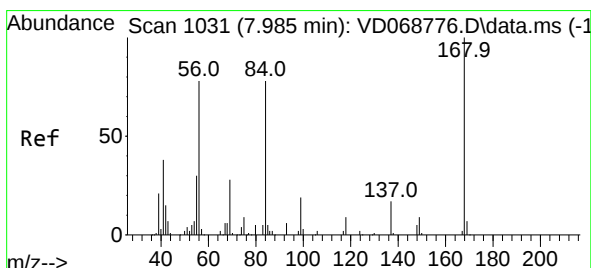
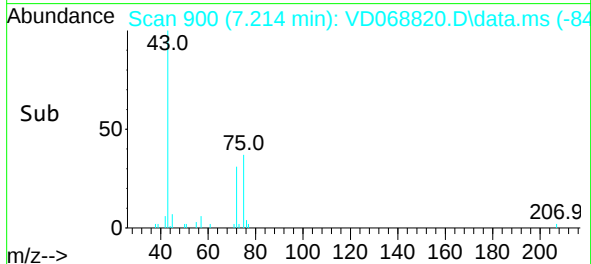
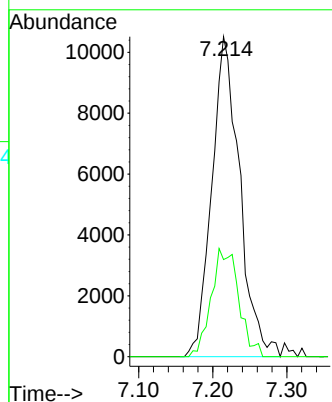
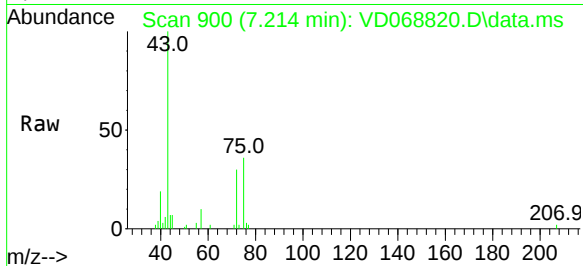




#25
2-Butanone
Concen: 28.88 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

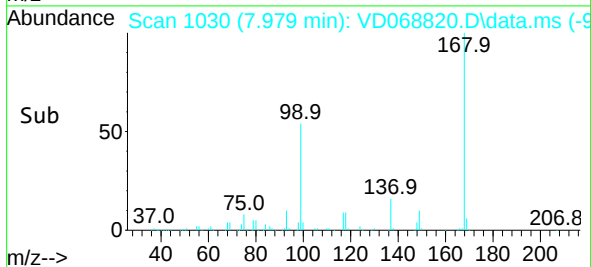
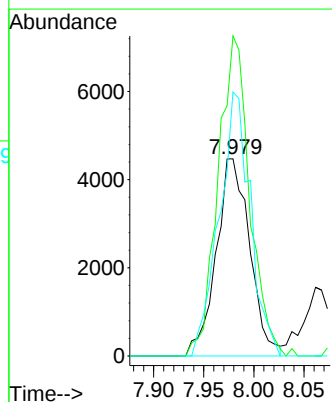
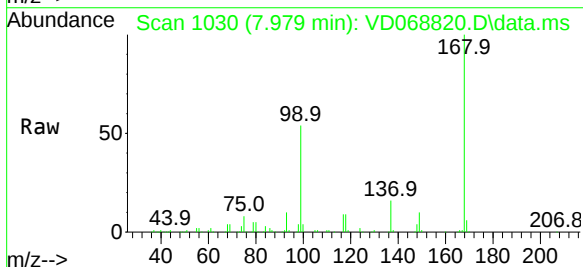
Instrument :
MSVOA_D
ClientSampleId :
SB-3C

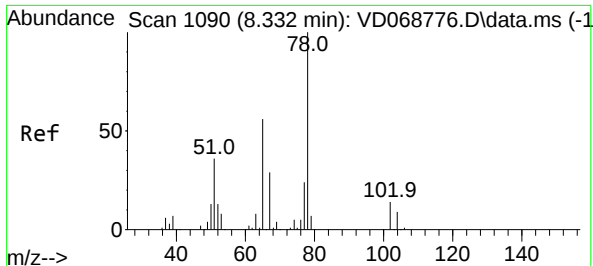
Tgt Ion: 43 Resp: 27396
Ion Ratio Lower Upper
43 100
72 30.4 28.6 43.0



#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 56 Resp: 10402
Ion Ratio Lower Upper
56 100
69 162.3 30.0 45.0#
84 133.9 82.0 123.0#

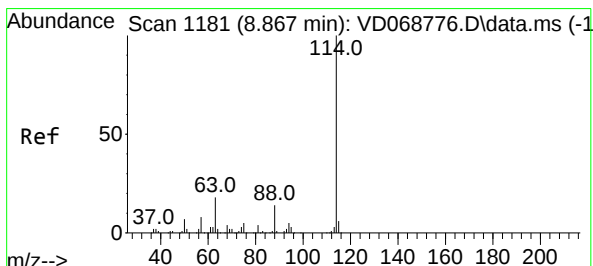
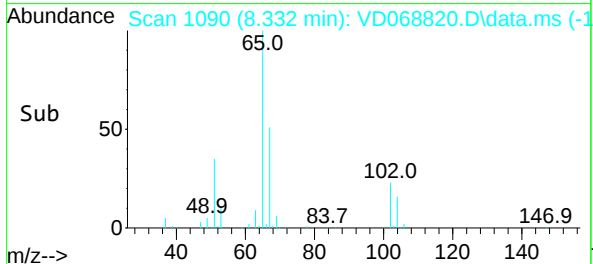
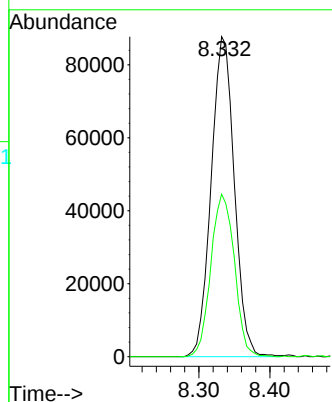
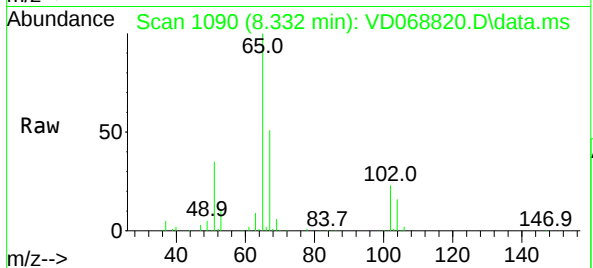




#33
1,2-Dichloroethane-d4
Concen: 41.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

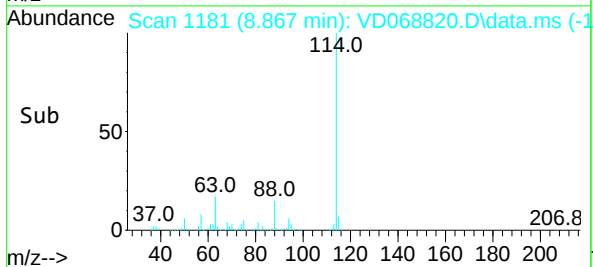
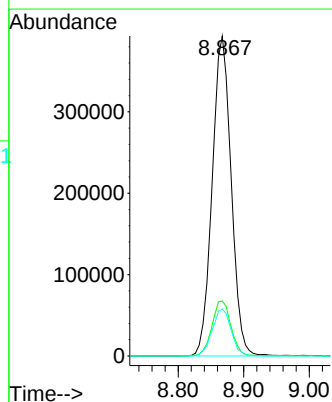
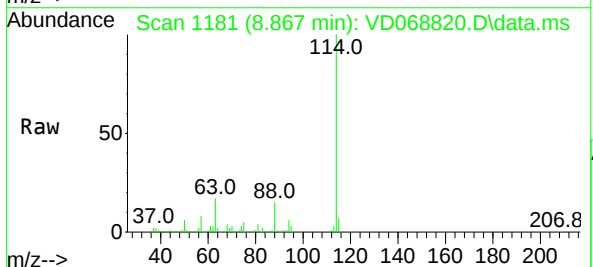
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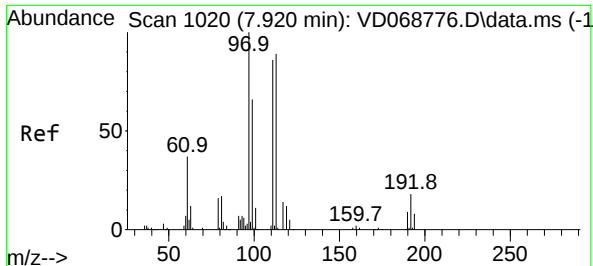
Tgt Ion: 65 Resp: 198517
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 114 Resp: 789338
Ion Ratio Lower Upper
114 100
63 17.2 0.0 38.2
88 14.7 0.0 29.4





#35

Dibromofluoromethane

Concen: 45.20 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068820.D

Acq: 09 Apr 2021 19:08

Instrument :

MSVOA_D

ClientSampleId :

SB-3C

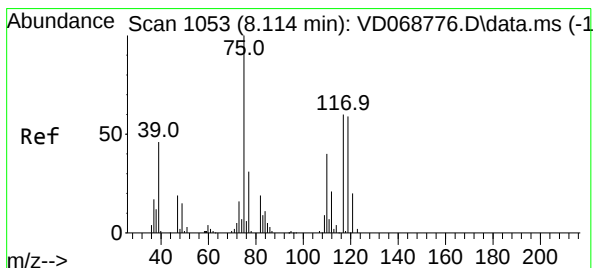
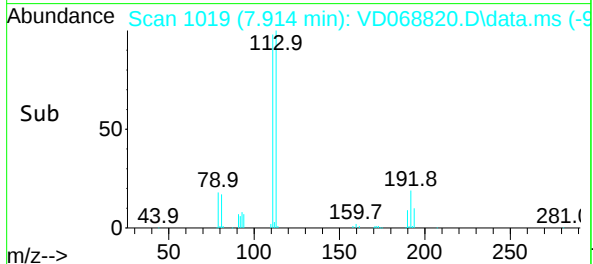
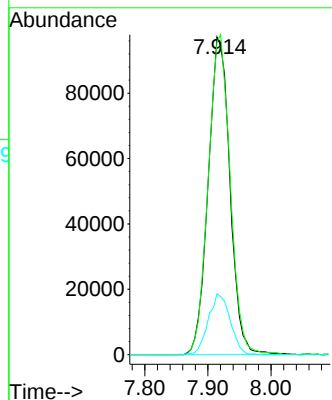
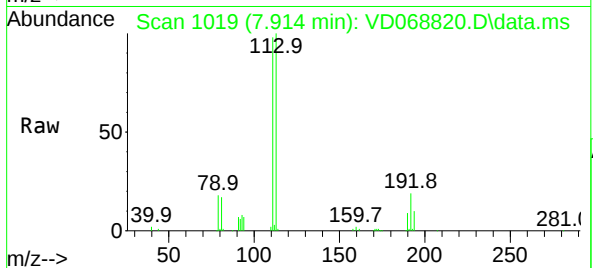
Tgt Ion:113 Resp: 232047

Ion Ratio Lower Upper

113 100

111 101.5 82.5 123.7

192 19.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.26 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068820.D

Acq: 09 Apr 2021 19:08

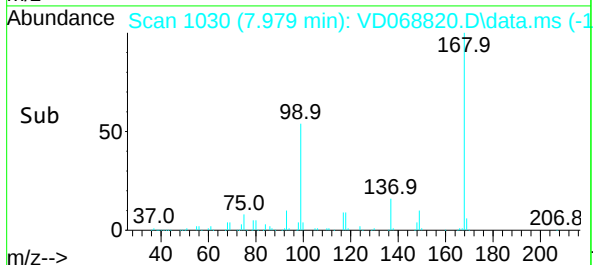
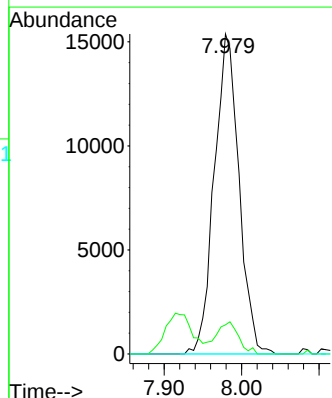
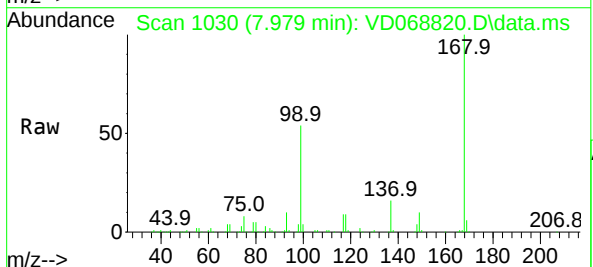
Tgt Ion: 75 Resp: 34054

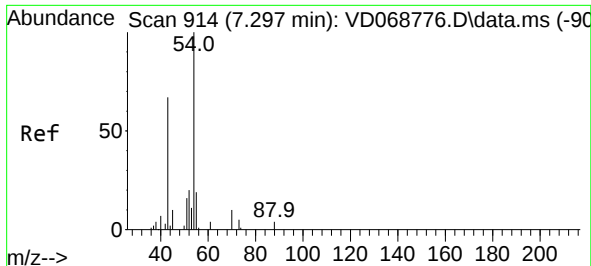
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.67 ug/l

RT: 7.214 min Scan# 900

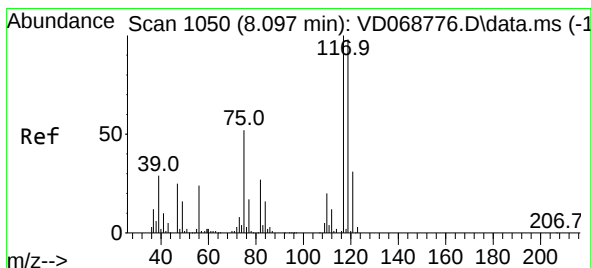
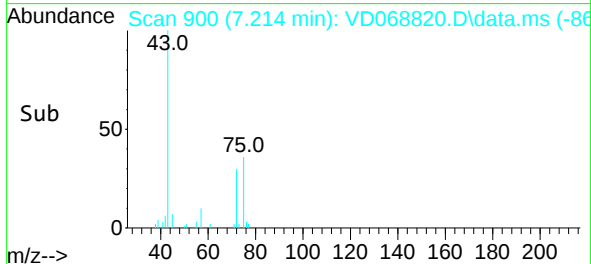
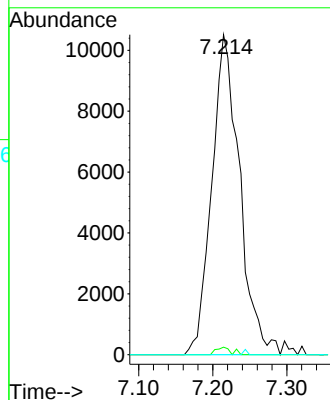
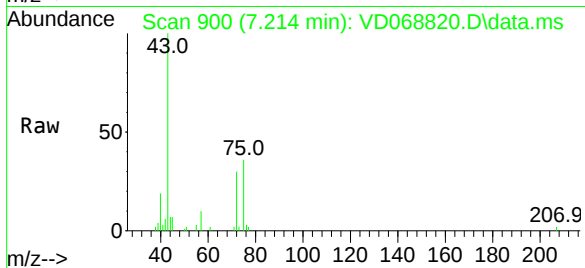
Delta R.T. -0.083 min

Lab File: VD068820.D

Acq: 09 Apr 2021 19:08

Instrument :
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ClientSampleId :
SB-3C

Tgt Ion:	43	Resp:	27396
Ion	Ratio	Lower	Upper
43	100		
61	1.3	14.2	21.4#
70	0.0	9.4	14.0#



#38

Carbon Tetrachloride

Concen: 5.72 ug/l

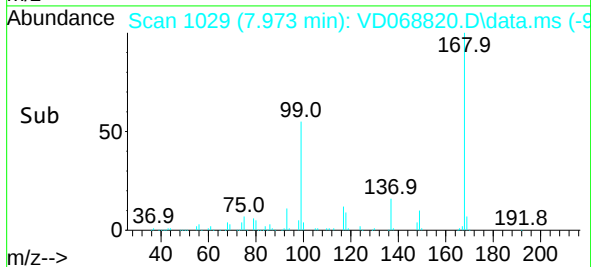
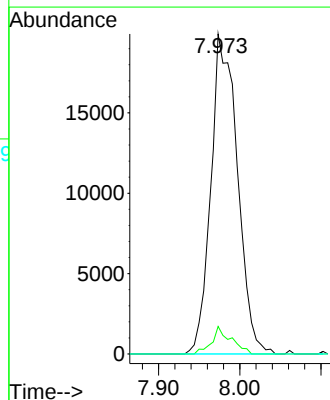
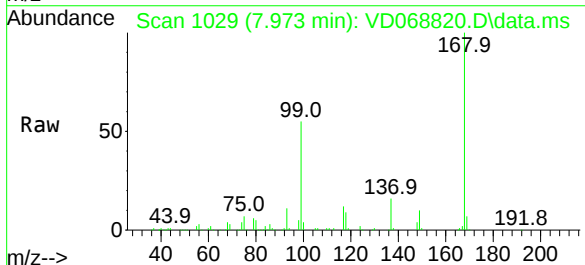
RT: 7.973 min Scan# 1029

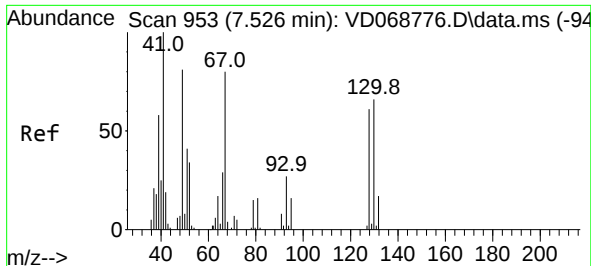
Delta R.T. -0.124 min

Lab File: VD068820.D

Acq: 09 Apr 2021 19:08

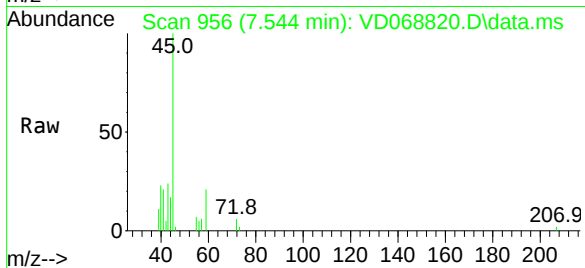
Tgt Ion:	117	Resp:	45235
Ion	Ratio	Lower	Upper
117	100		
119	8.6	76.6	115.0#
121	0.0	26.1	39.1#



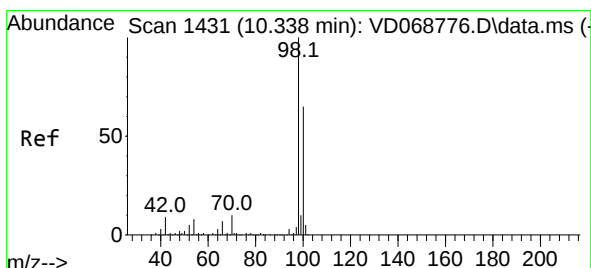
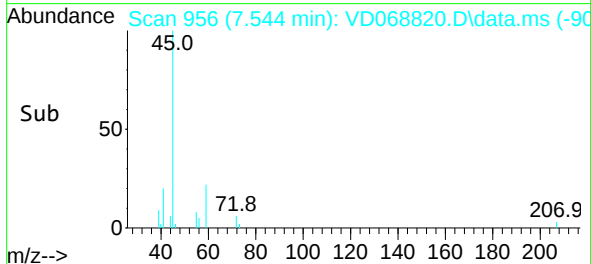
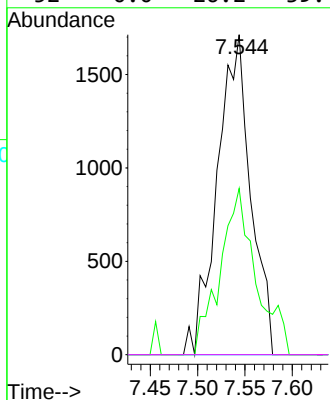


#41
Methacrylonitrile
Concen: 3.03 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.018 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Instrument :
MSVOA_D
ClientSampled :
SB-3C

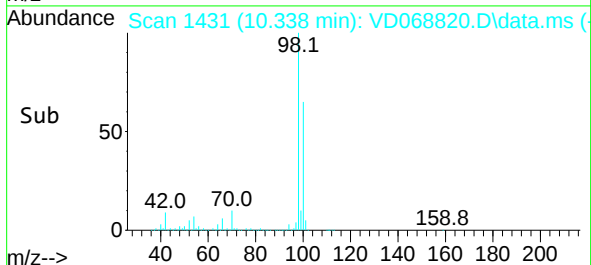
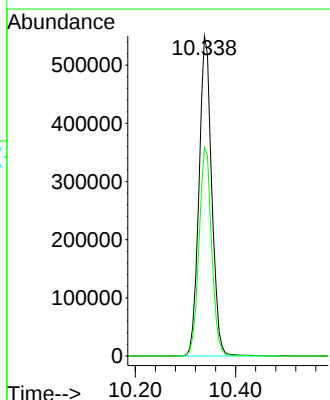
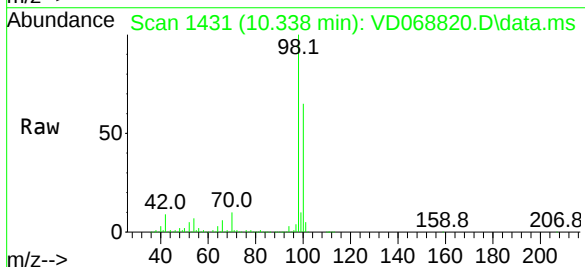


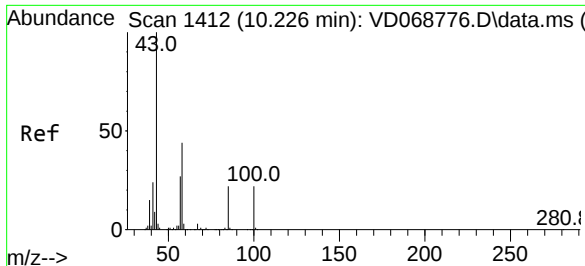
Tgt Ion:	41	Resp:	4211
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.2	64.8
67	0.0	63.9	95.9#
52	0.0	26.2	39.4#



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion:	98	Resp:	965083
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.6

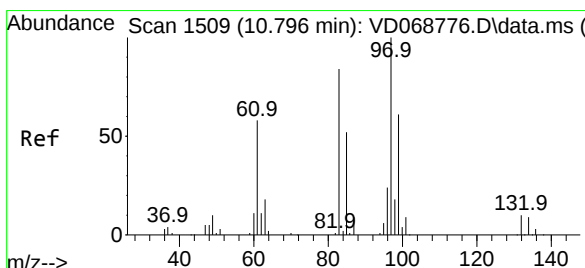
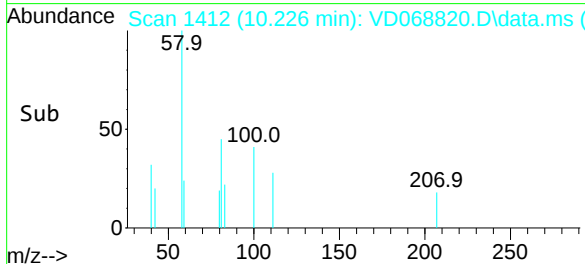
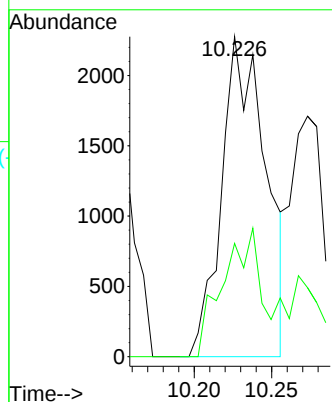
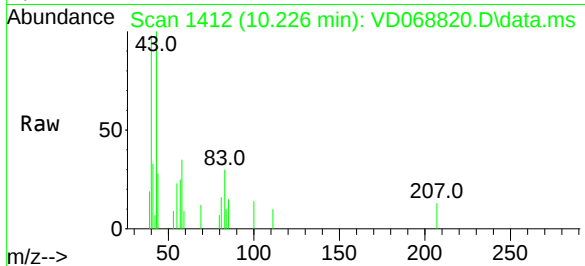




#51
4-Methyl-2-Pentanone
Concen: 1.87 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

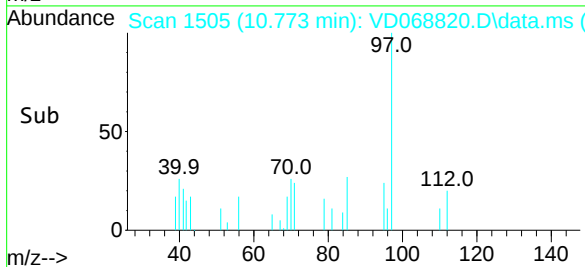
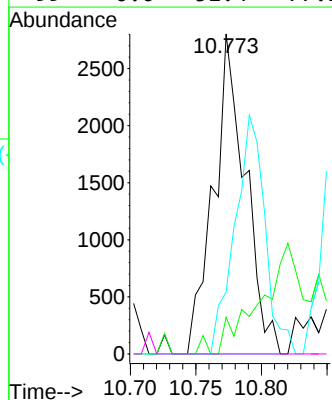
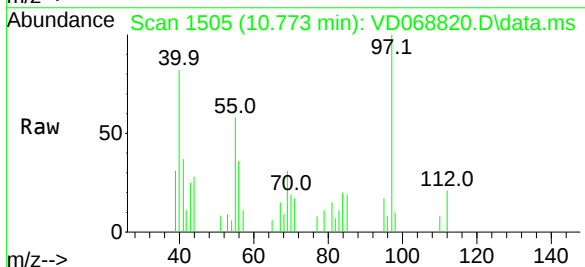
Instrument :
MSVOA_D
ClientSampled :
SB-3C

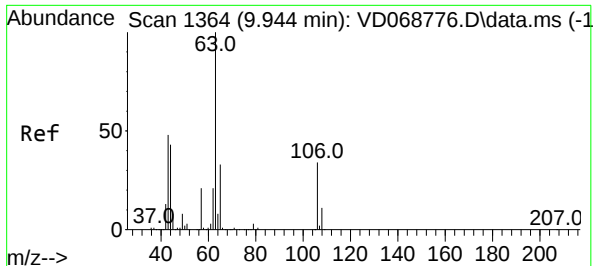
Tgt Ion: 43 Resp: 4499
Ion Ratio Lower Upper
43 100
58 34.3 37.3 55.9#



#55
1,1,2-Trichloroethane
Concen: 1.07 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 97 Resp: 4694
Ion Ratio Lower Upper
97 100
83 11.5 65.7 98.5#
85 19.4 44.3 66.5#
99 0.0 51.4 77.2#

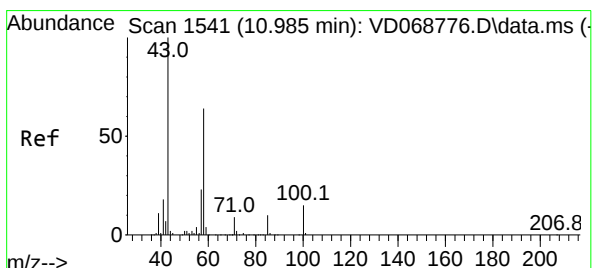
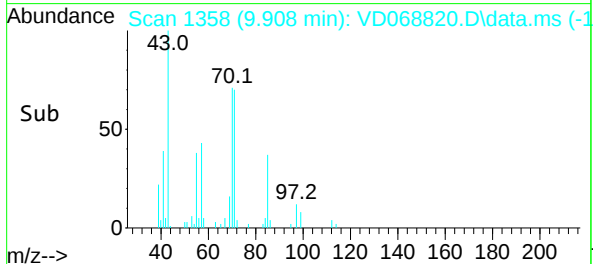
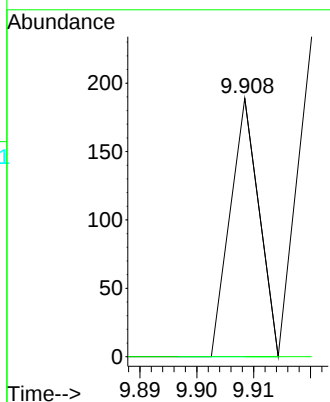
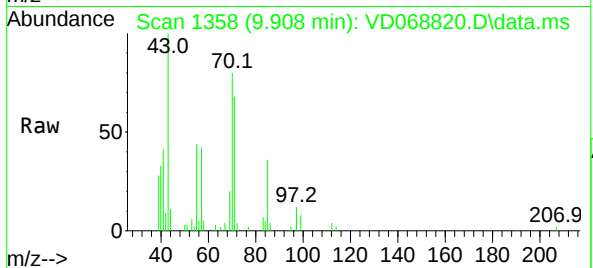




#58
2-Chloroethyl Vinyl ether
Concen: 17.02 ug/l
RT: 9.908 min Scan# 1358
Delta R.T. -0.036 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

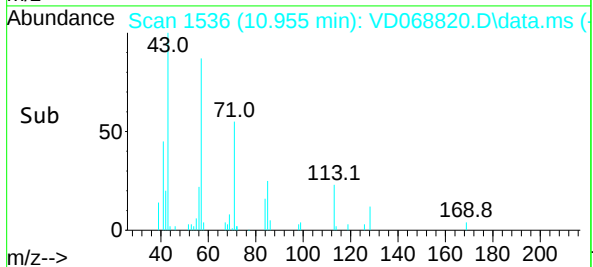
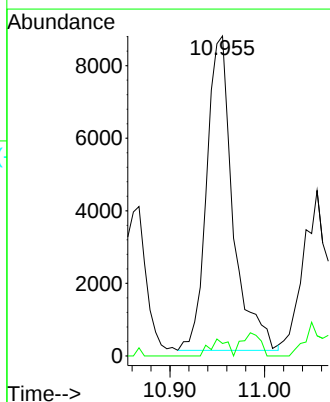
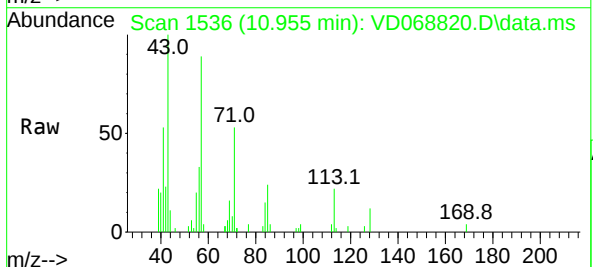
Instrument :
MSVOA_D
ClientSampled :
SB-3C

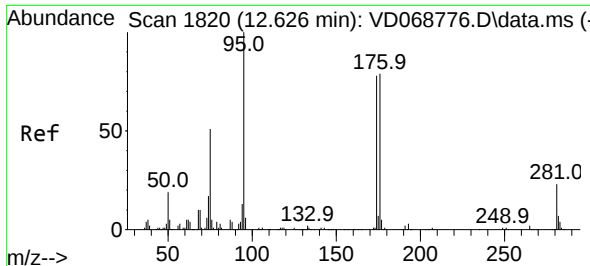
Tgt Ion: 63 Resp: 67
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 10.35 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 43 Resp: 16698
Ion Ratio Lower Upper
43 100
58 3.5 31.3 93.8#

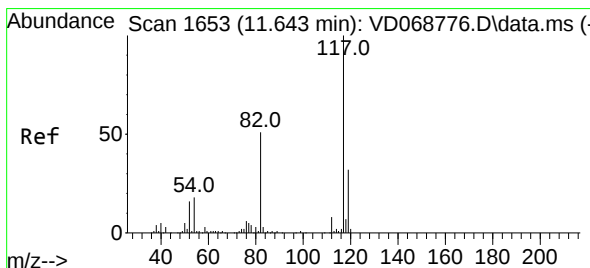
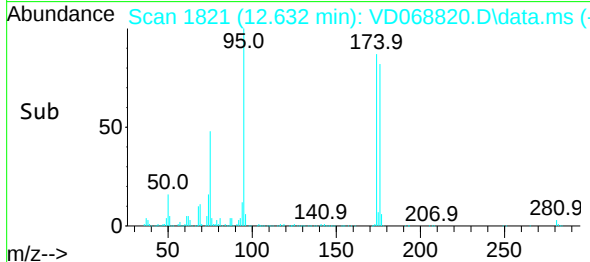
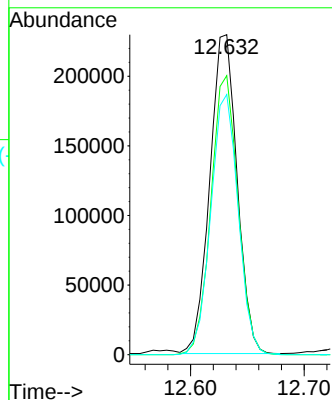
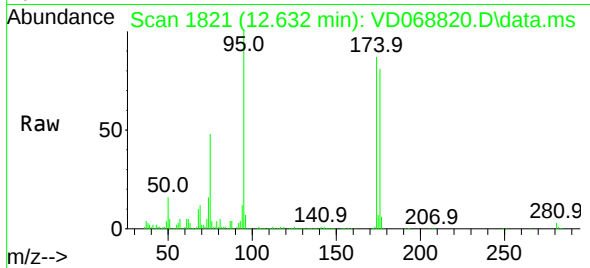




#62
4-Bromofluorobenzene
Concen: 59.51 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

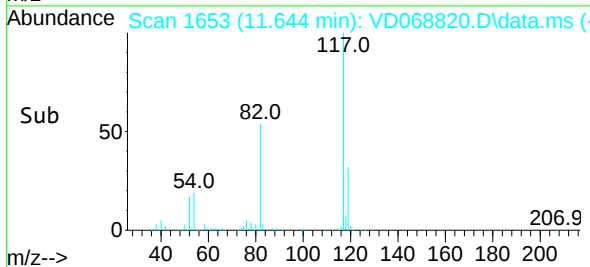
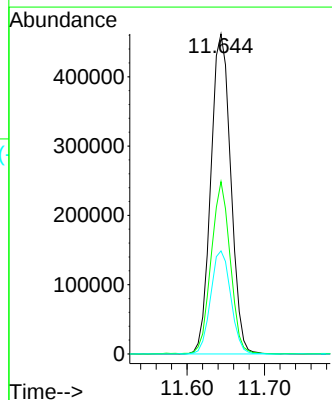
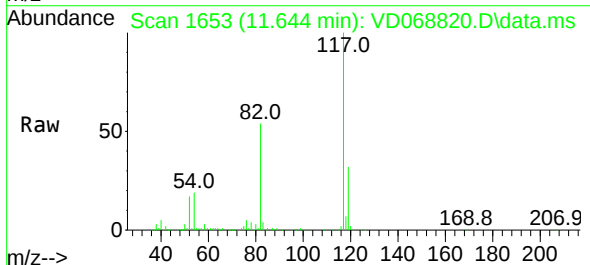
Instrument :
MSVOA_D
ClientSampleId :
SB-3C

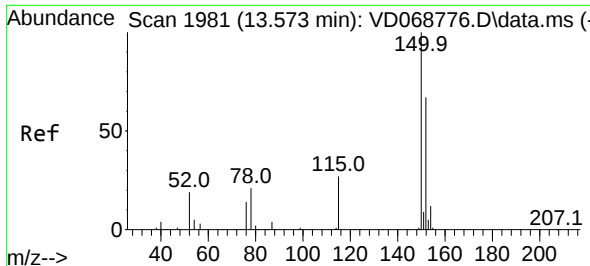
Tgt Ion: 95 Resp: 382775
Ion Ratio Lower Upper
95 100
174 86.5 0.0 168.0
176 81.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 117 Resp: 824897
Ion Ratio Lower Upper
117 100
82 53.8 43.5 65.3
119 32.2 26.7 40.1

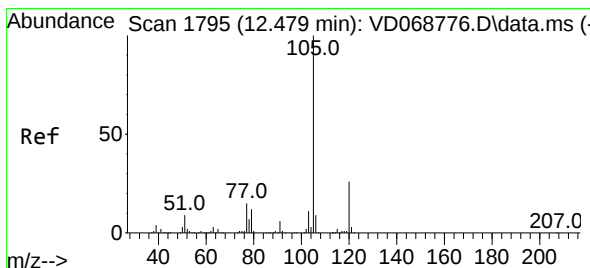
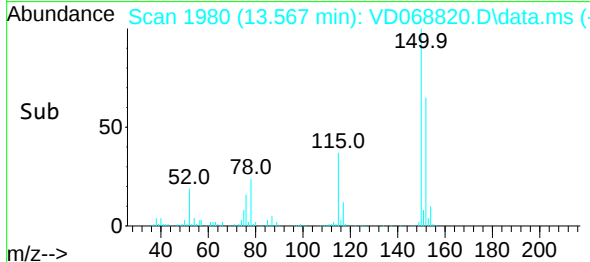
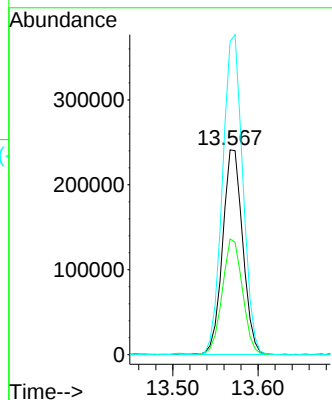
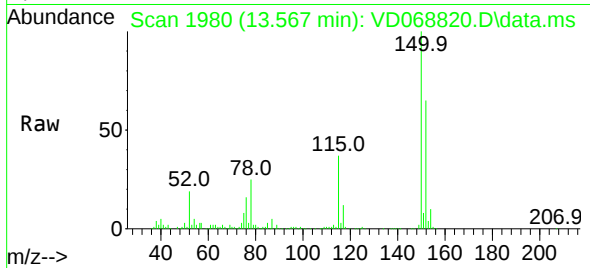




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

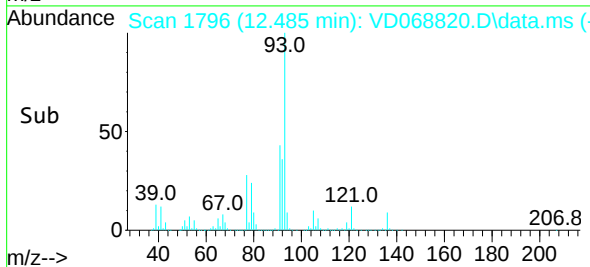
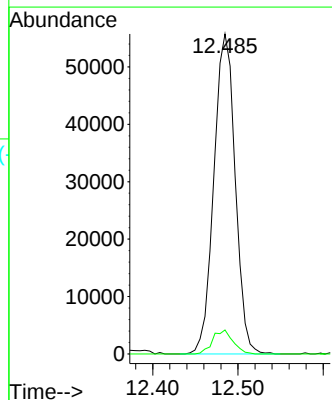
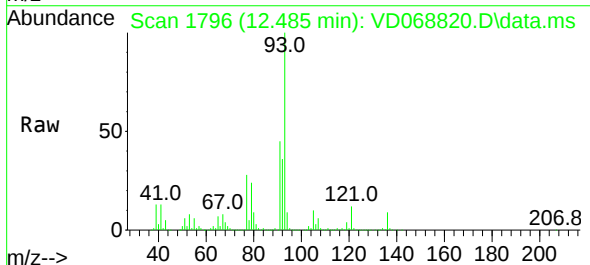
Instrument :
MSVOA_D
ClientSampleId :
SB-3C

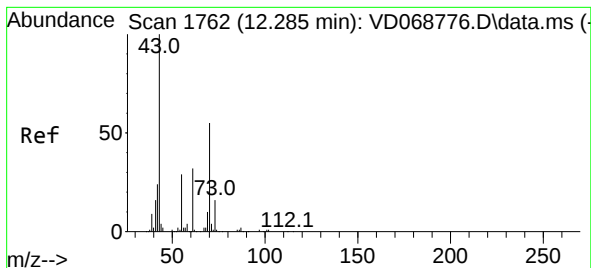
Tgt Ion:152 Resp: 395613
Ion Ratio Lower Upper
152 100
115 56.9 29.3 87.8
150 157.3 0.0 347.6



#73
Isopropylbenzene
Concen: 3.36 ug/l
RT: 12.485 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion:105 Resp: 97007
Ion Ratio Lower Upper
105 100
120 7.1 13.4 40.2#

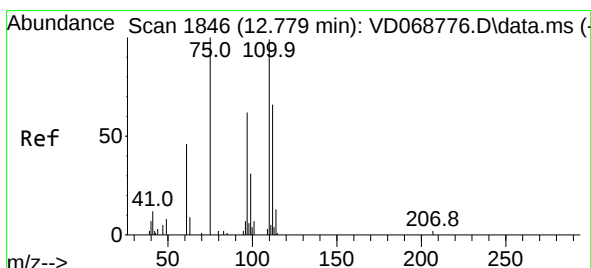
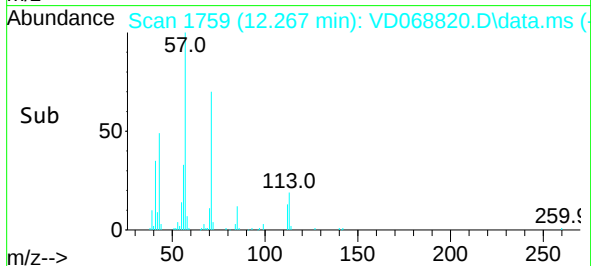
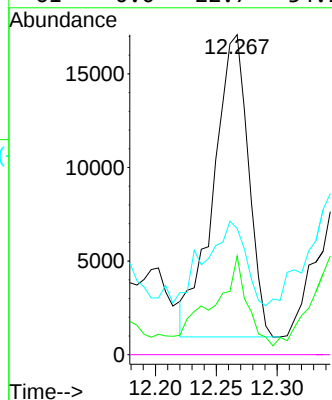
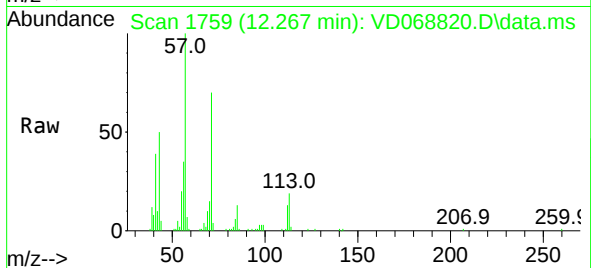




#74
N-amy1 acetate
Concen: 6.59 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

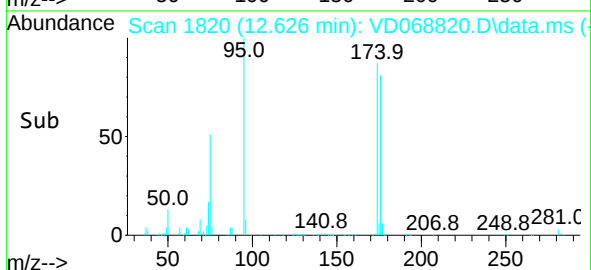
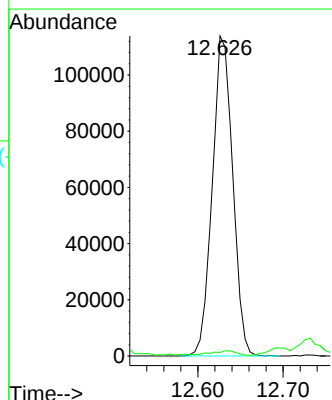
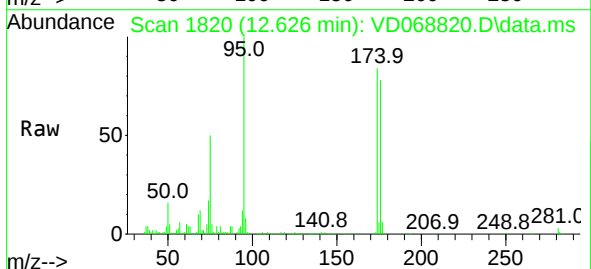
Instrument :
MSVOA_D
ClientSampled :
SB-3C

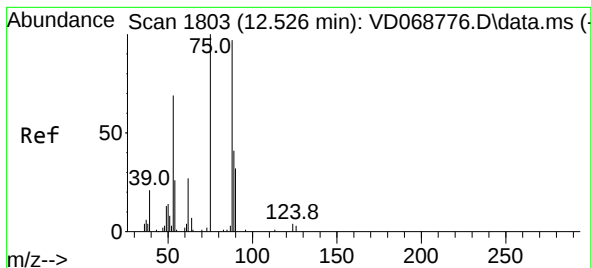
Tgt Ion: 43	Resp: 32271
Ion Ratio	Lower Upper
43 100	
70 28.5	41.9 62.9#
55 32.5	22.8 34.2
61 0.0	22.7 34.1#



#76
1,2,3-Trichloropropane
Concen: 52.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 75	Resp: 189320
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0

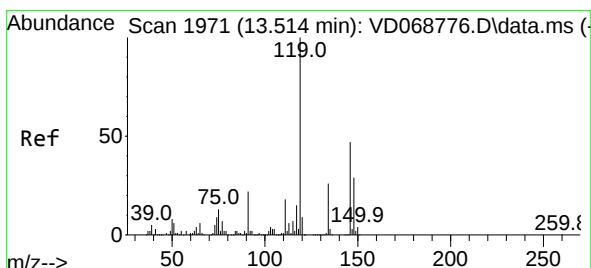
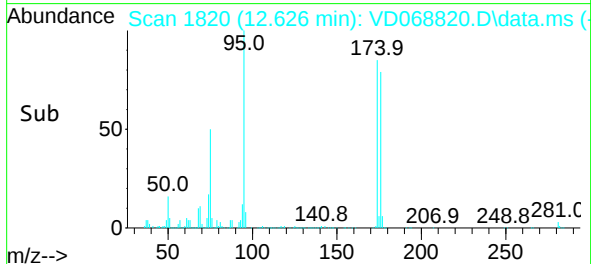
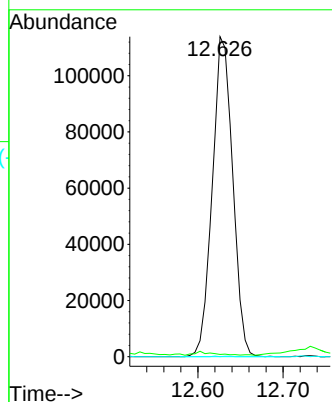
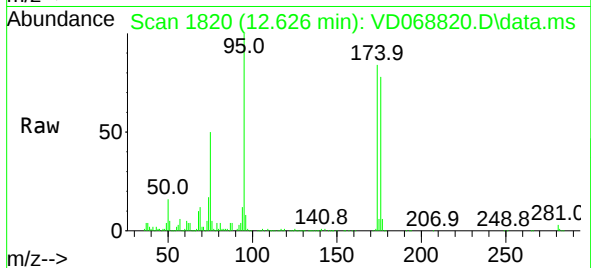




#81
trans-1,4-Dichloro-2-butene
Concen: 121.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

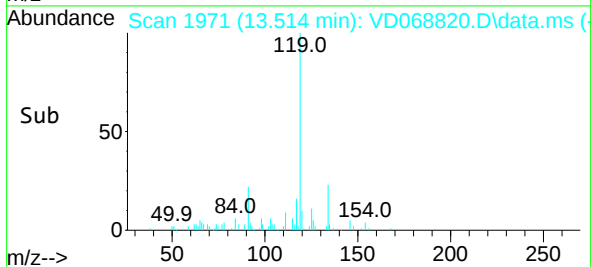
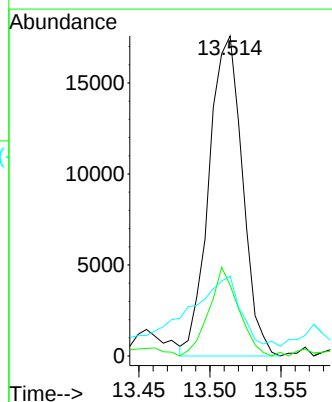
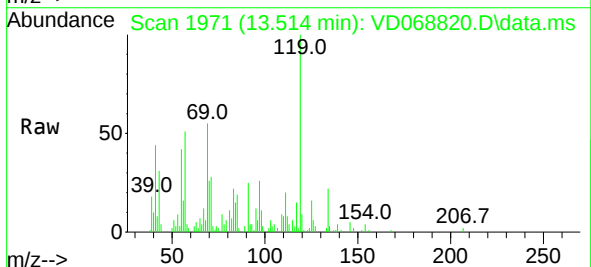
Instrument :
MSVOA_D
ClientSampleId :
SB-3C

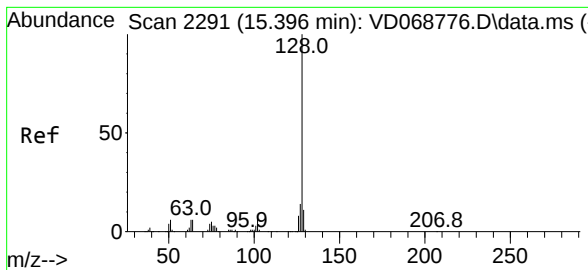
Tgt Ion: 75 Resp: 189320
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#



#86
p-Isopropyltoluene
Concen: 1.09 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Tgt Ion: 119 Resp: 28836
Ion Ratio Lower Upper
119 100
134 24.4 13.3 39.9
91 34.2 11.1 33.1#





#95
Naphthalene
Concen: 8.20 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068820.D
Acq: 09 Apr 2021 19:08

Instrument :
MSVOA_D
ClientSampleId :
SB-3C

Tgt Ion:128	Resp: 105251
Ion Ratio	Lower Upper
128	100
127	14.6 10.2 15.4
129	11.8 8.9 13.3

