

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069590.D
 Acq On : 06 Jul 2021 19:06
 Operator : VA/SY
 Sample : M2935-02
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jul 07 04:55:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

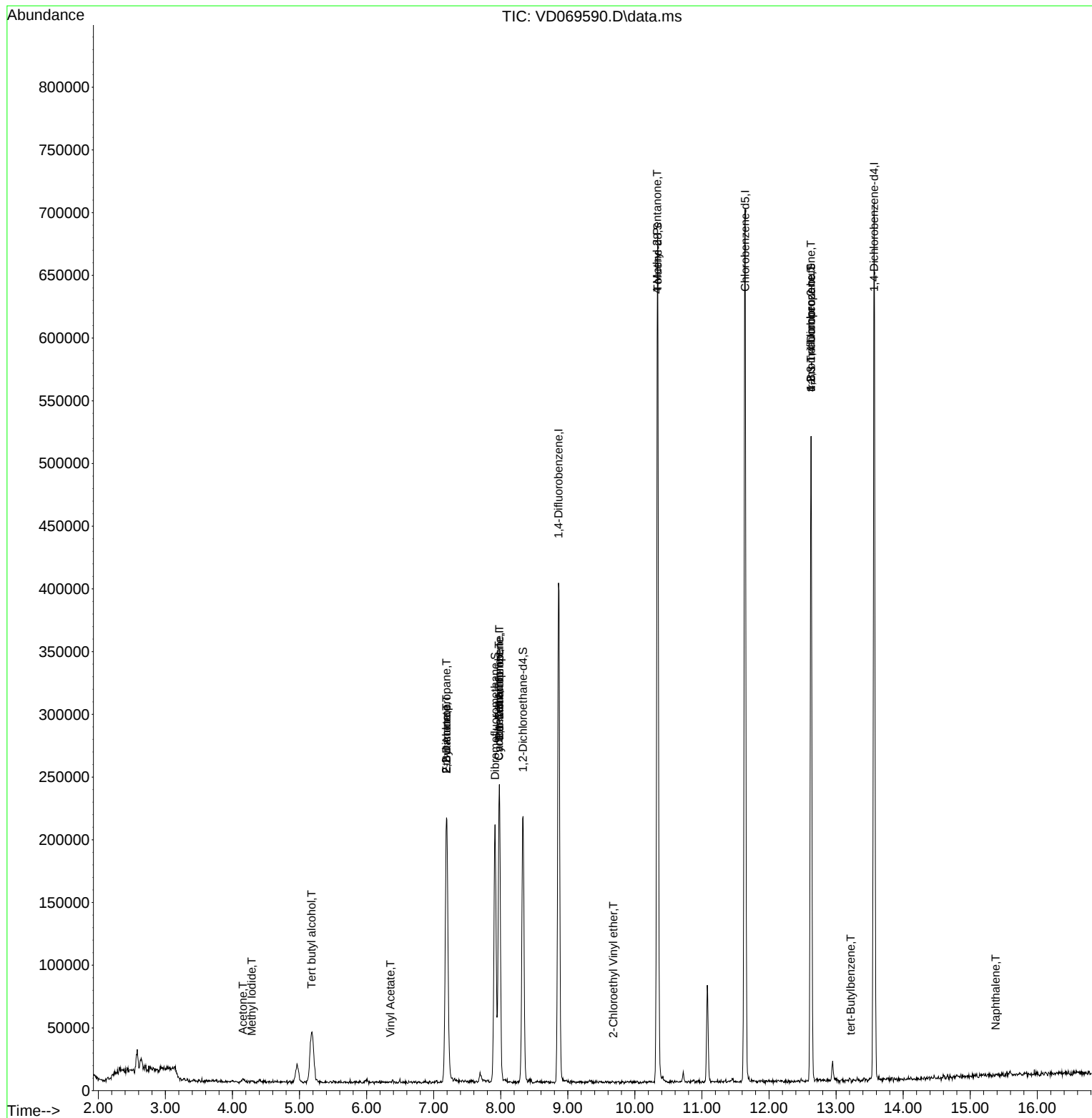
Internal Standards						
1) Pentafluorobenzene	7.979	168	168580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	338663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	405343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	178522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	173004	82.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 164.660%#			
35) Dibromofluoromethane	7.914	113	149531	65.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.640%			
50) Toluene-d8	10.338	98	458057	53.343	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.680%			
62) 4-Bromofluorobenzene	12.626	95	178795	63.335	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 126.660%			
Target Compounds					Qvalue	
5) Bromomethane	2.774	94	1557	Below Cal	#	62
10) Methyl Iodide	4.285	142	146	4.016	ug/l #	37
11) Tert butyl alcohol	5.179	59	41539	405.973	ug/l #	86
16) Acetone	4.156	43	1919	5.426	ug/l	91
18) Methyl Acetate	4.721	43	60	Below Cal	#	49
20) Methylene Chloride	4.962	84	11672	Below Cal	#	90
23) Vinyl Acetate	6.356	43	160	19.060	ug/l #	70
25) 2-Butanone	7.191	43	9331	20.761	ug/l #	65
26) 2,2-Dichloropropane	7.191	77	15902	5.222	ug/l #	53
31) Cyclohexane	7.973	56	3702	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	16272	4.896	ug/l #	50
37) Ethyl Acetate	7.191	43	9331	7.565	ug/l #	1
38) Carbon Tetrachloride	7.973	117	19057	5.793	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	2363	2.005	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.679	63	58	10.650	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	87742	50.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	87742	125.015	ug/l #	12
83) tert-Butylbenzene	13.220	119	225	2.016	ug/l #	42
95) Naphthalene	15.379	128	69	3.366	ug/l #	69

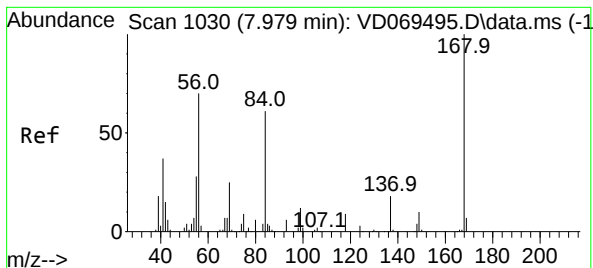
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
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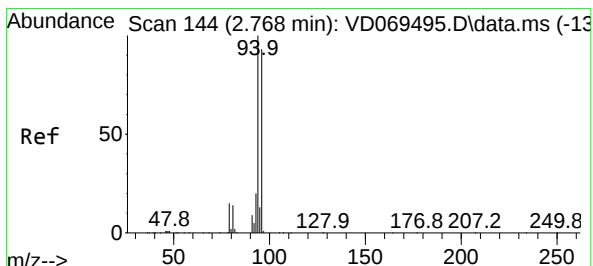
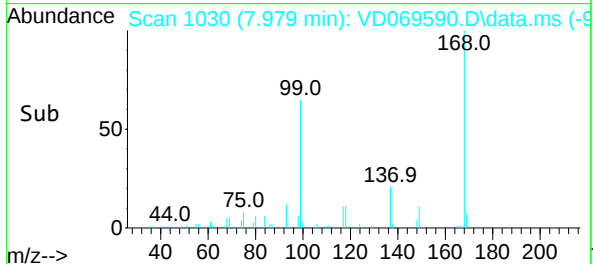
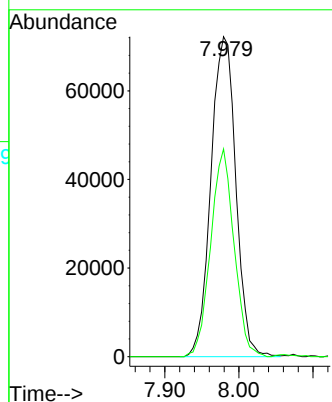
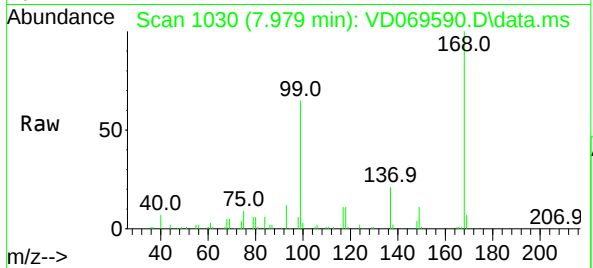




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

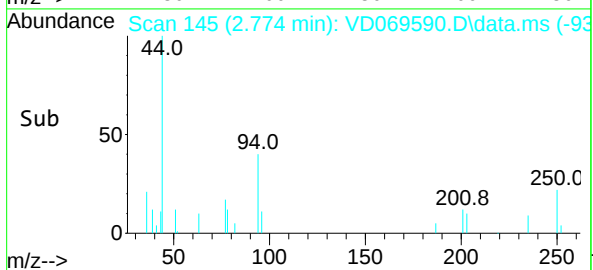
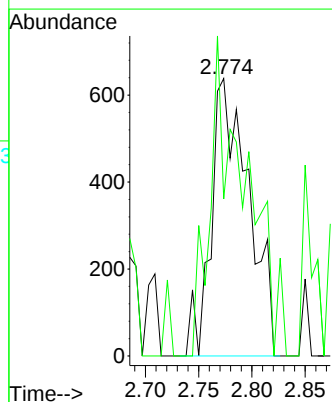
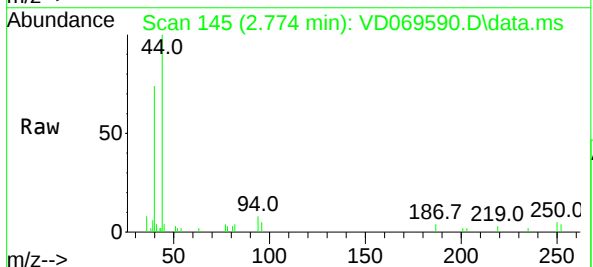
Instrument :
MSVOA_D
ClientSampled :
VOC

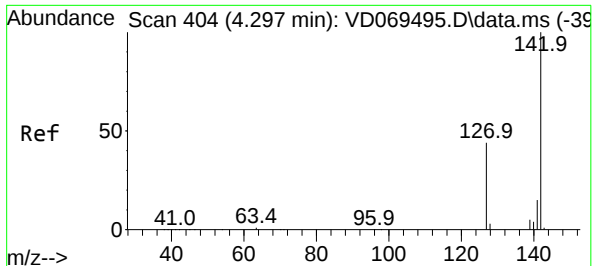
Tgt Ion:168 Resp: 168580
Ion Ratio Lower Upper
168 100
99 64.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 94 Resp: 1557
Ion Ratio Lower Upper
94 100
96 56.6 74.6 111.8#

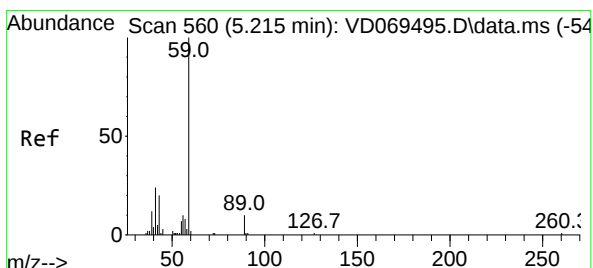
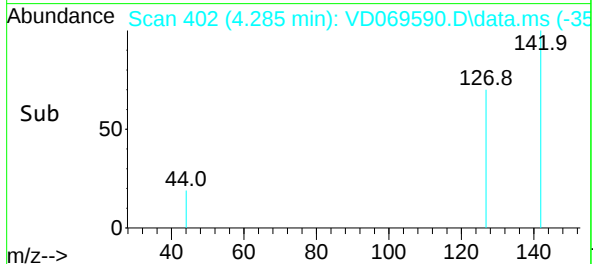
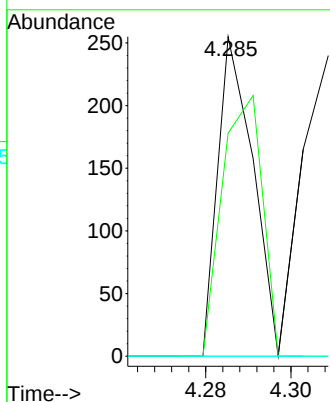
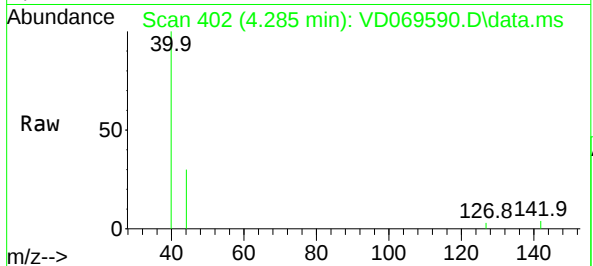




#10
Methyl Iodide
Concen: 4.016 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

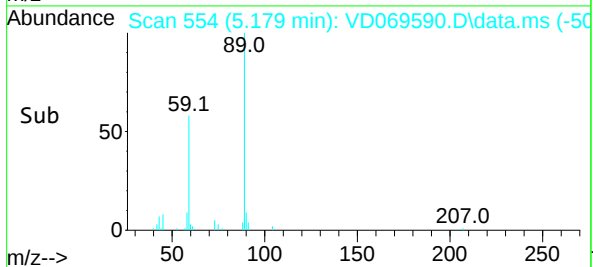
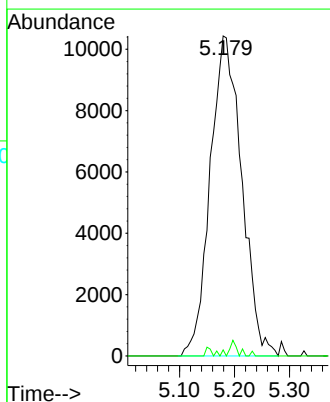
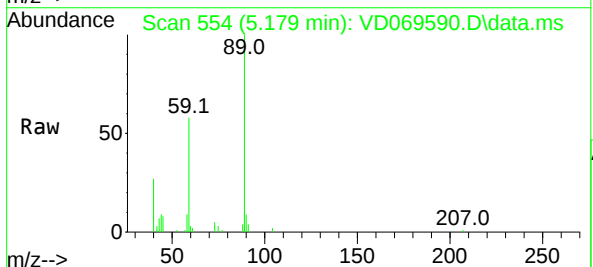
Instrument :
MSVOA_D
ClientSampled :
VOC

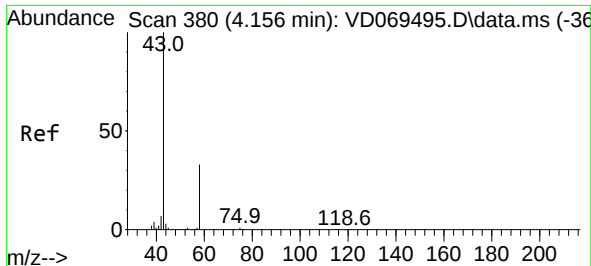
Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 93.2 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 405.973 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 59 Resp: 41539
Ion Ratio Lower Upper
59 100
57 1.2 4.6 7.0#

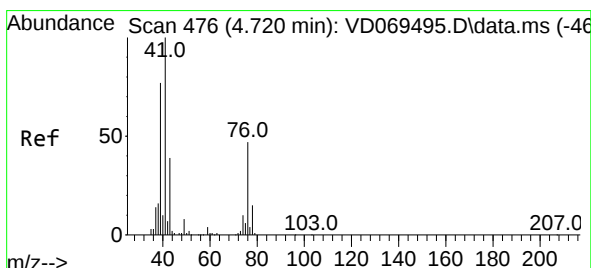
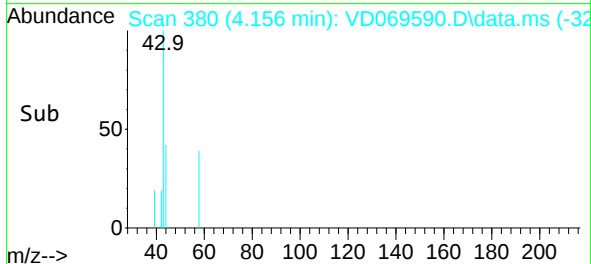
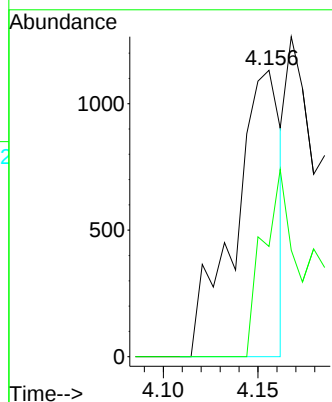
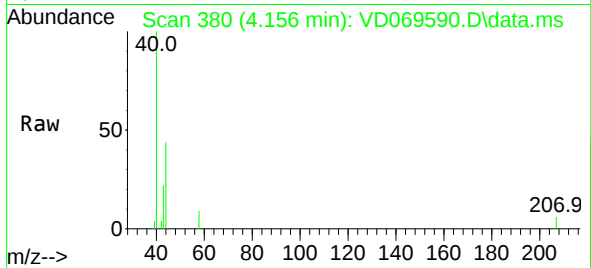




#16
Acetone
Concen: 5.426 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

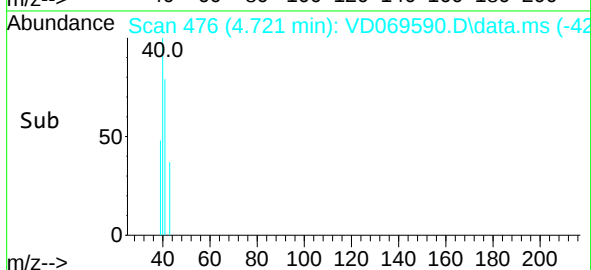
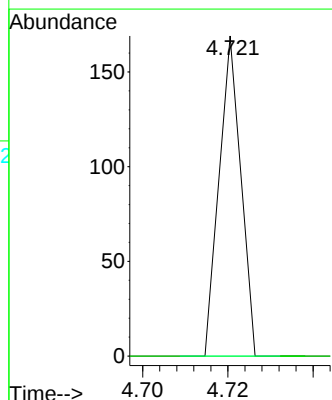
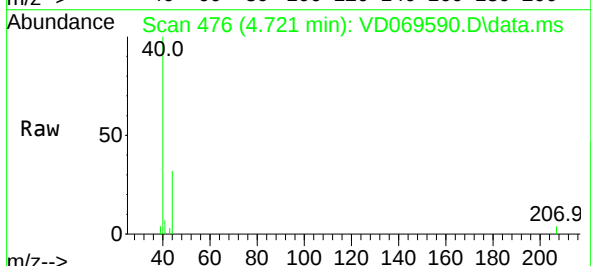
Instrument :
MSVOA_D
ClientSampleId :
VOC

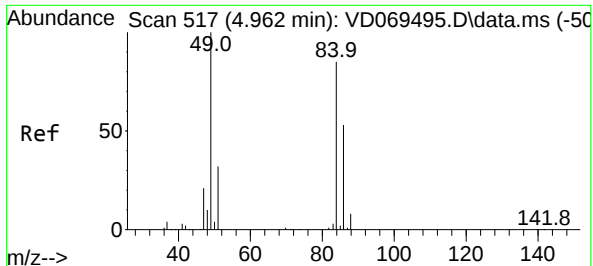
Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
58 38.5 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.721 min Scan# 476
Delta R.T. 0.001 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

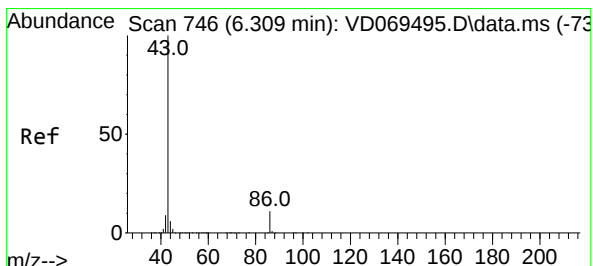
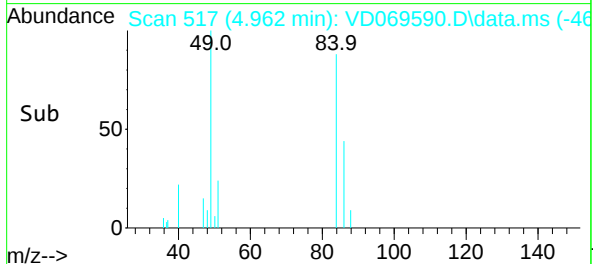
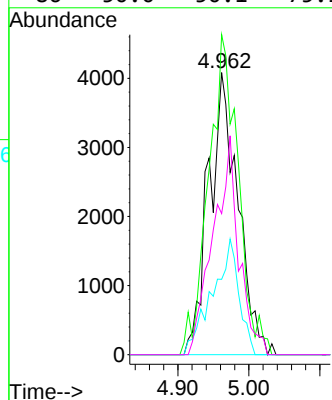
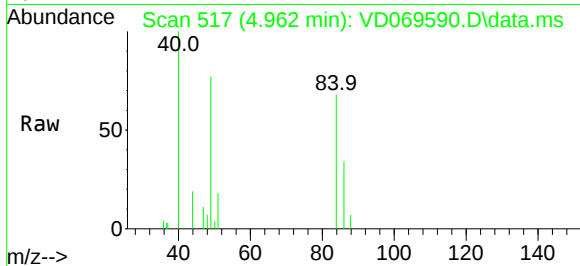




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

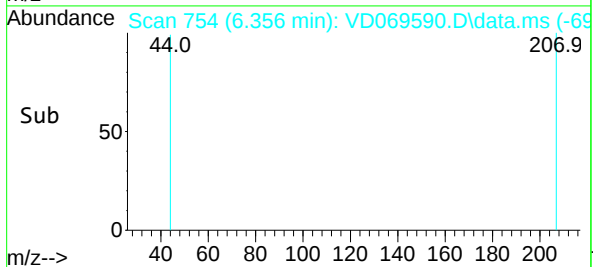
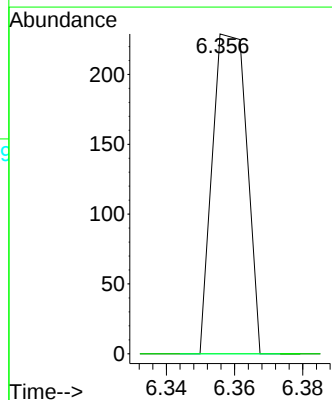
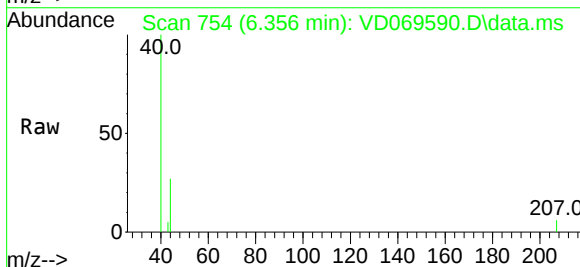
Instrument :
MSVOA_D
ClientSampled :
VOC

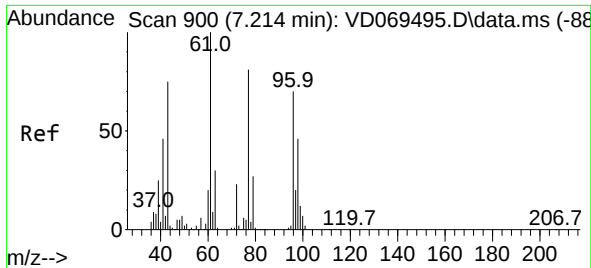
Tgt Ion:	84	Resp:	11672
Ion	Ratio	Lower	Upper
84	100		
49	113.4	94.0	141.0
51	26.7	29.7	44.5#
86	50.0	50.1	75.1#



#23
Vinyl Acetate
Concen: 19.060 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.047 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion:	43	Resp:	160
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

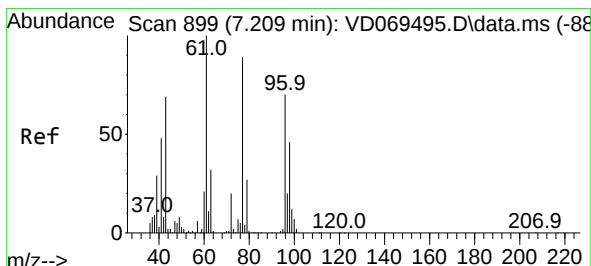
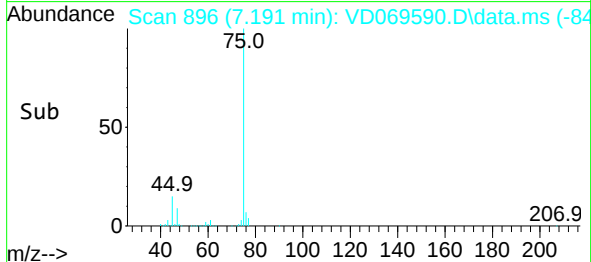
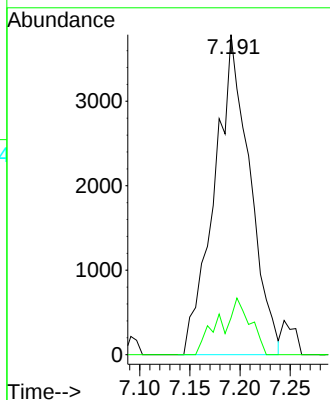
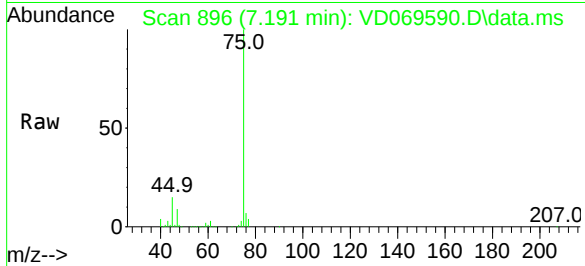




#25
2-Butanone
Concen: 20.761 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

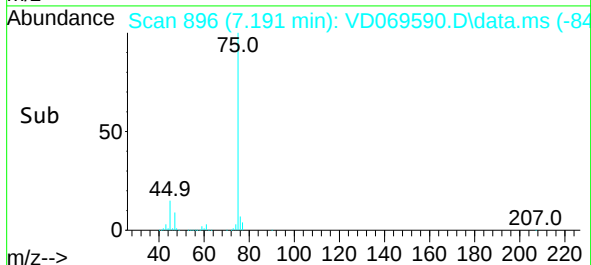
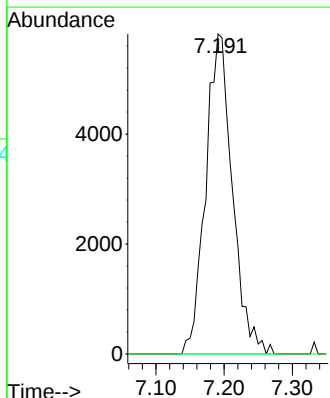
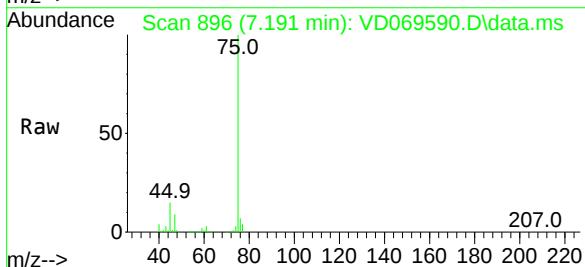
Instrument :
MSVOA_D
ClientSampleId :
VOC

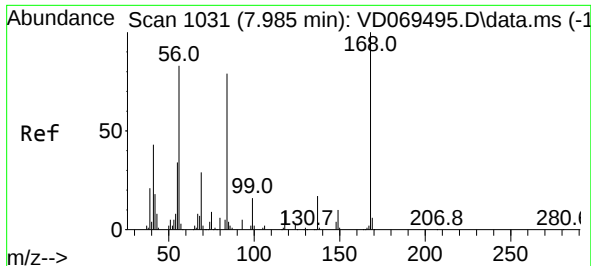
Tgt Ion: 43 Resp: 9331
Ion Ratio Lower Upper
43 100
72 11.5 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 5.222 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 77 Resp: 15902
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#

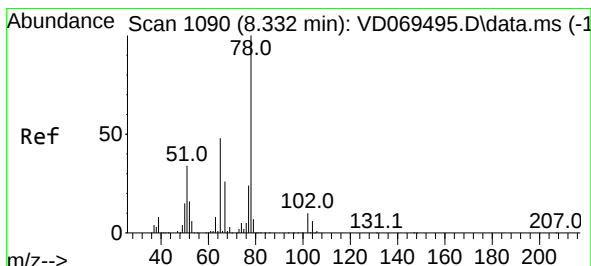
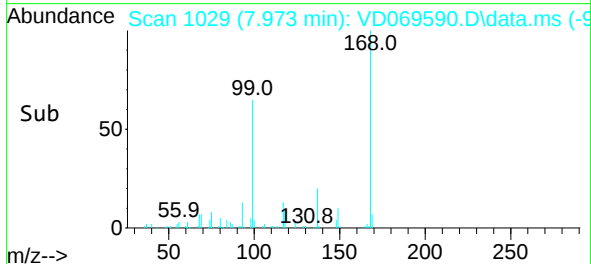
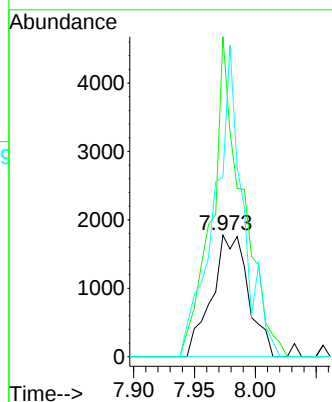
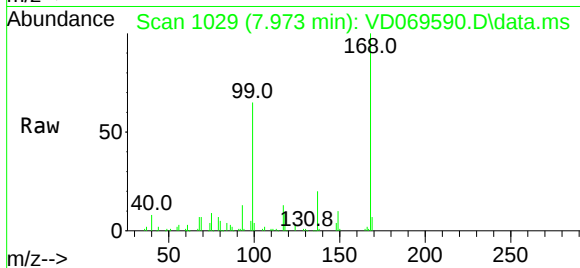




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

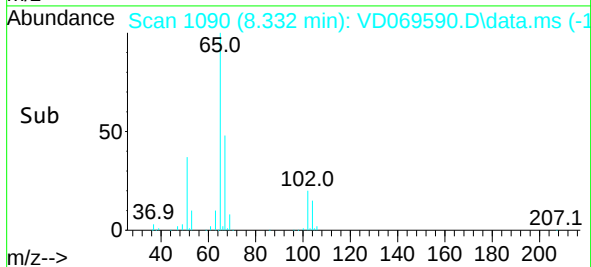
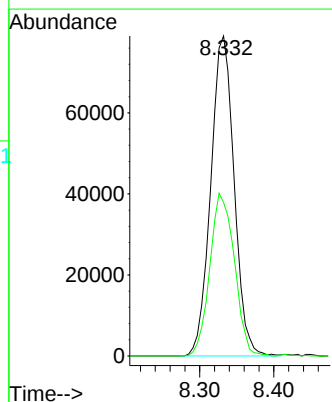
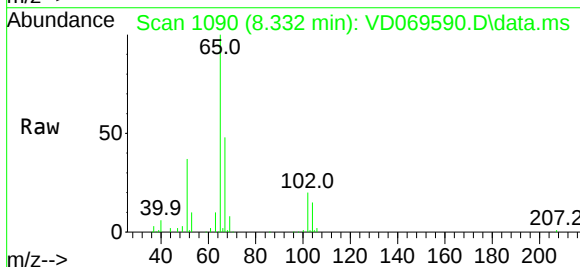
Instrument :
MSVOA_D
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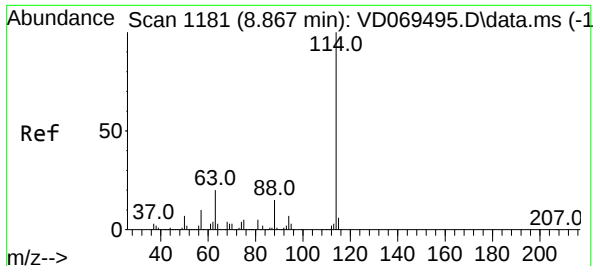
Tgt Ion: 56 Resp: 3702
Ion Ratio Lower Upper
56 100
69 263.5 28.0 42.0#
84 147.8 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 82.331 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 65 Resp: 173004
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



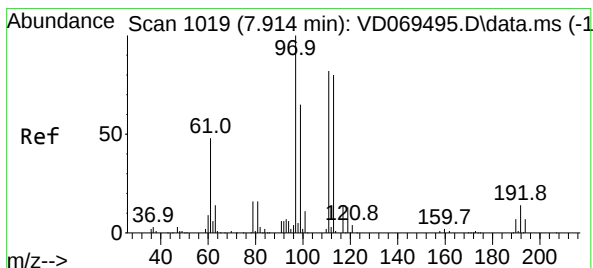
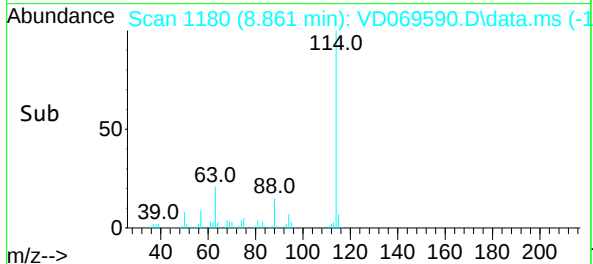
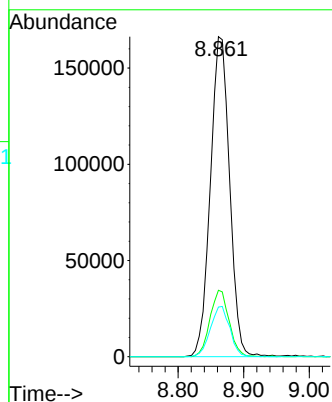
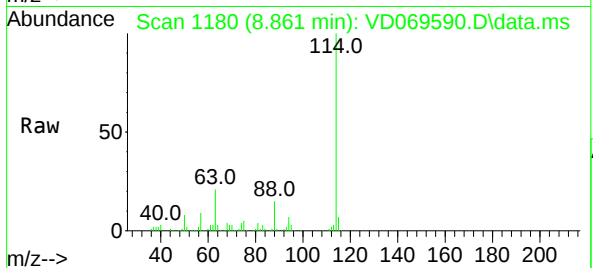


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Instrument :
MSVOA_D
ClientSampled :
VOC

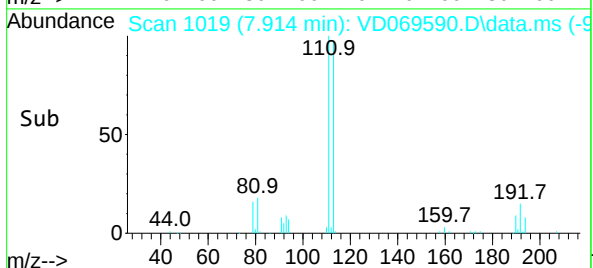
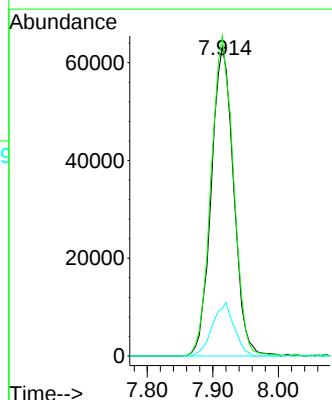
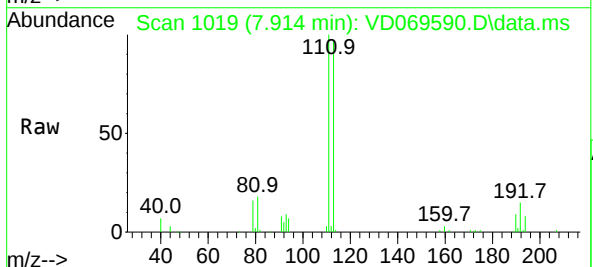
Tgt Ion:114 Resp: 338663
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 15.5 0.0 29.8

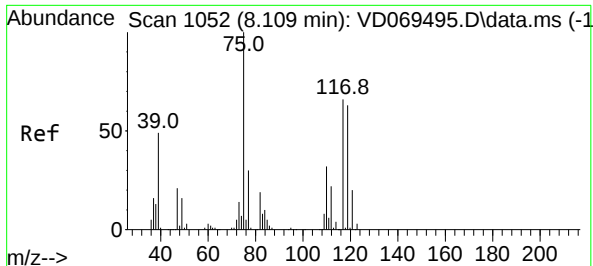


#35

Dibromofluoromethane
Concen: 65.317 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion:113 Resp: 149531
Ion Ratio Lower Upper
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111 103.7 81.8 122.8
192 16.8 13.8 20.6

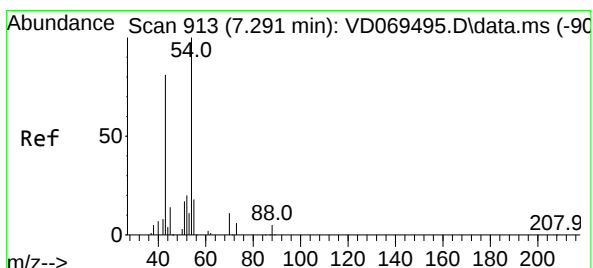
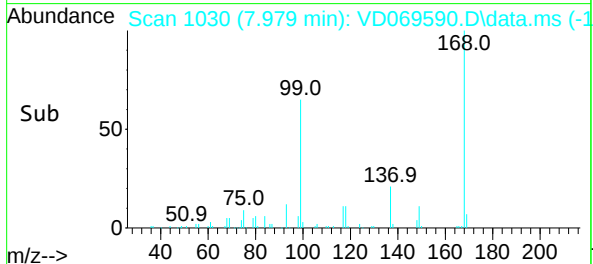
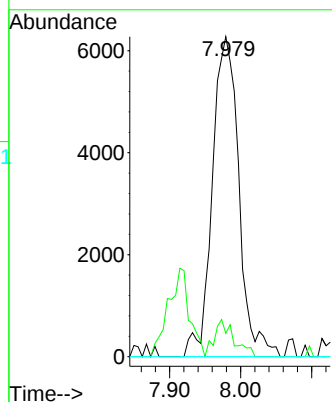
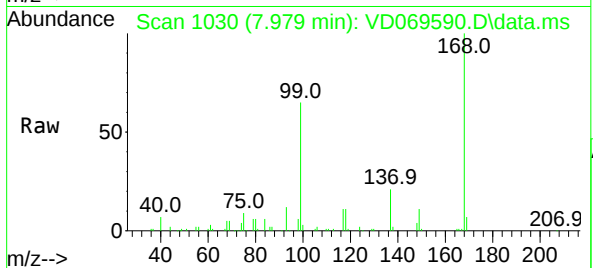




#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

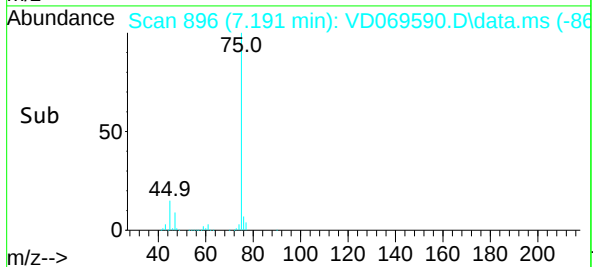
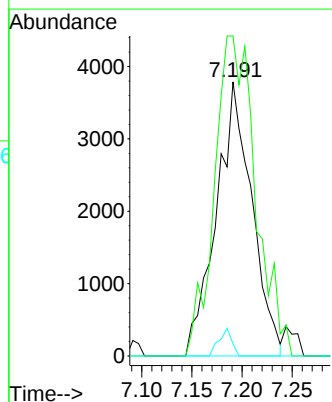
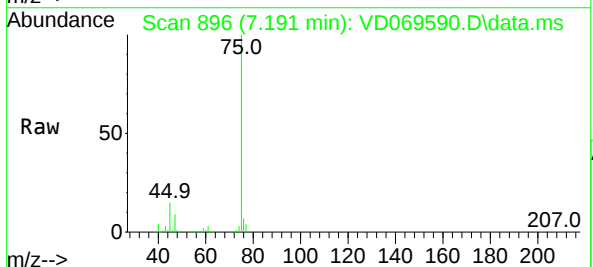
Instrument :
MSVOA_D
ClientSampled :
VOC

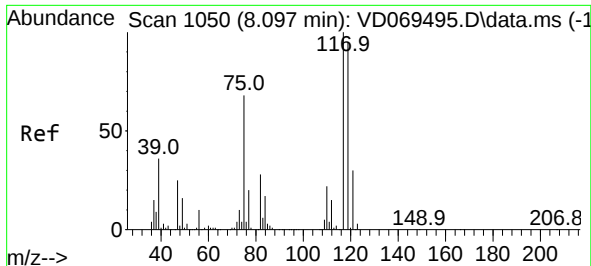
Tgt Ion: 75 Resp: 16272
Ion Ratio Lower Upper
75 100
110 8.6 16.8 50.4#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 7.565 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.100 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

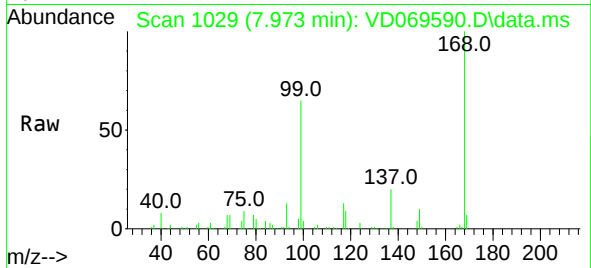
Tgt Ion: 43 Resp: 9331
Ion Ratio Lower Upper
43 100
61 135.5 11.4 17.0#
70 3.6 9.5 14.3#



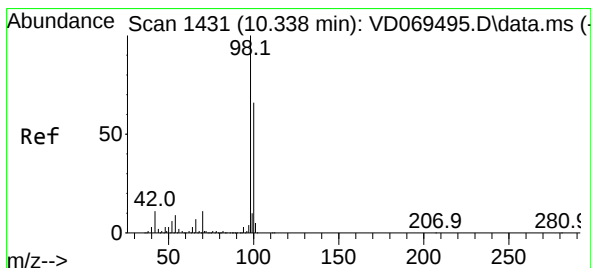
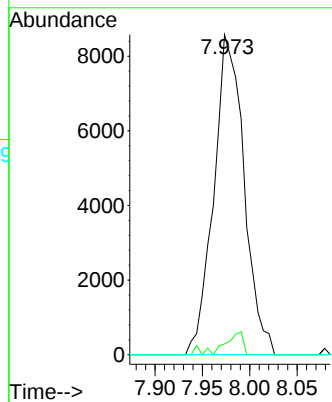
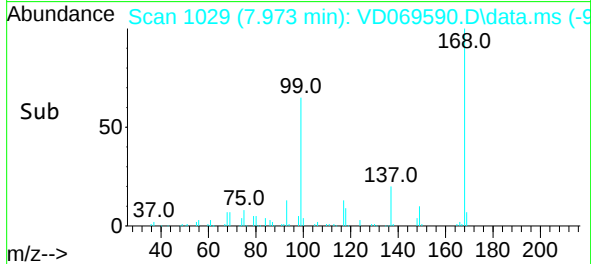


#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

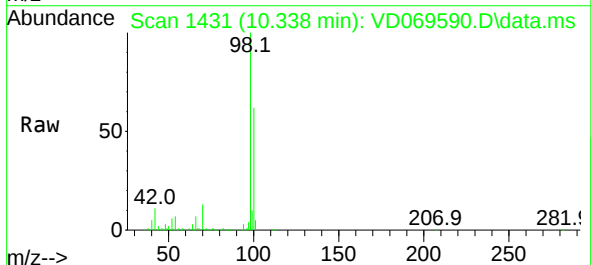
Instrument :
MSVOA_D
ClientSampled :
VOC



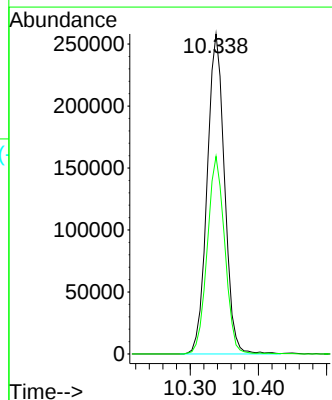
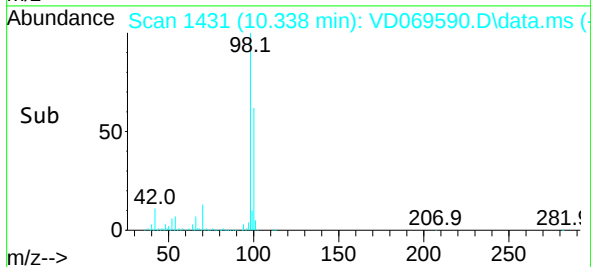
Tgt Ion:117 Resp: 19057
Ion Ratio Lower Upper
117 100
119 3.4 75.6 113.4#
121 0.0 23.8 35.8#

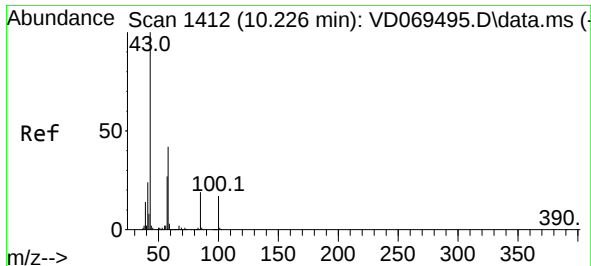


#50
Toluene-d8
Concen: 53.343 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06



Tgt Ion: 98 Resp: 458057
Ion Ratio Lower Upper
98 100
100 61.8 52.3 78.5

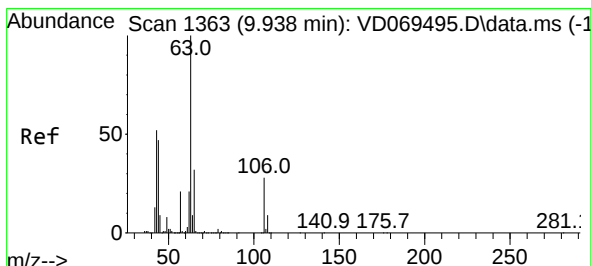
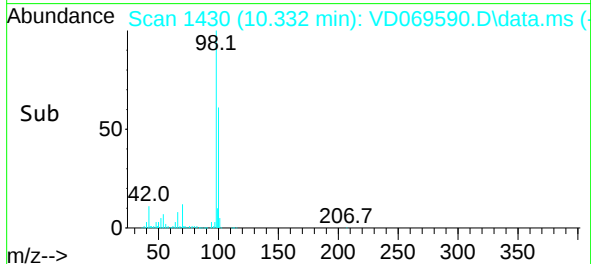
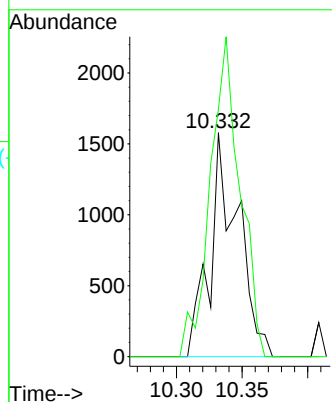
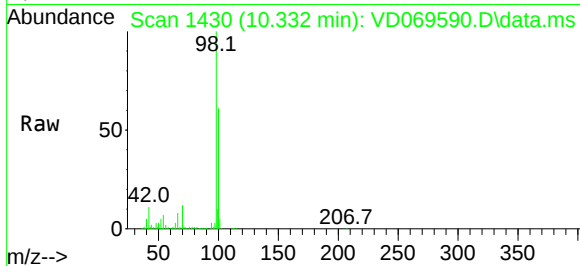




#51
4-Methyl-2-Pentanone
Concen: 2.005 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

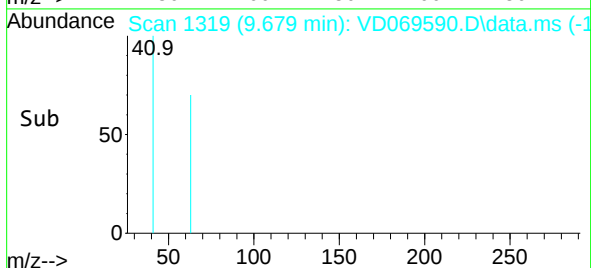
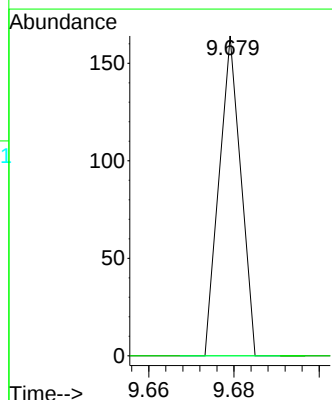
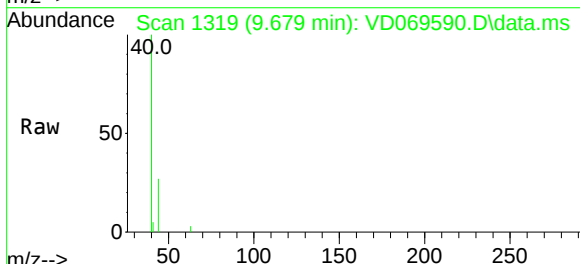
Instrument :
MSVOA_D
ClientSampleId :
VOC

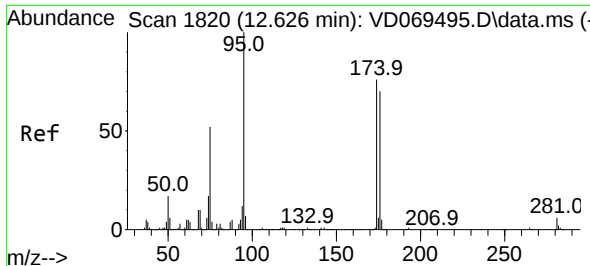
Tgt Ion: 43 Resp: 2363
Ion Ratio Lower Upper
43 100
58 151.5 33.6 50.4#



#58
2-Chloroethyl Vinyl ether
Concen: 10.650 ug/l
RT: 9.679 min Scan# 1319
Delta R.T. -0.259 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

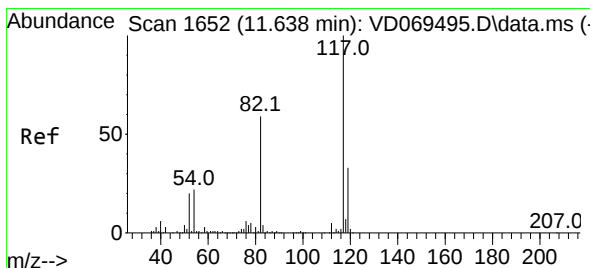
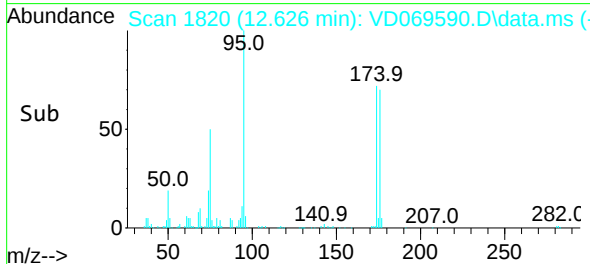
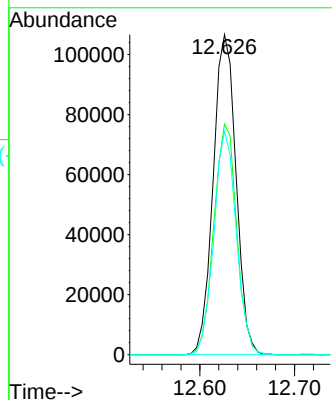
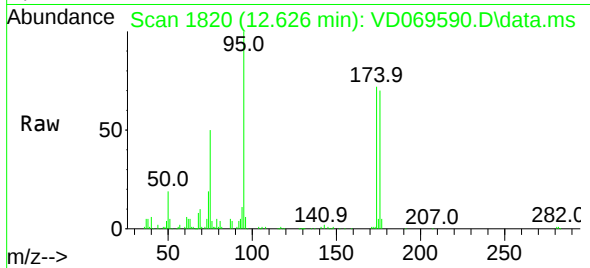




#62
4-Bromofluorobenzene
Concen: 63.335 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

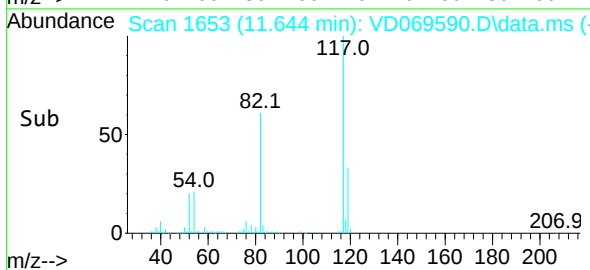
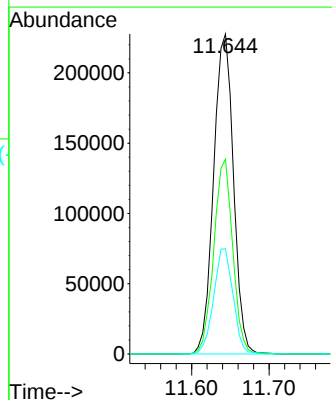
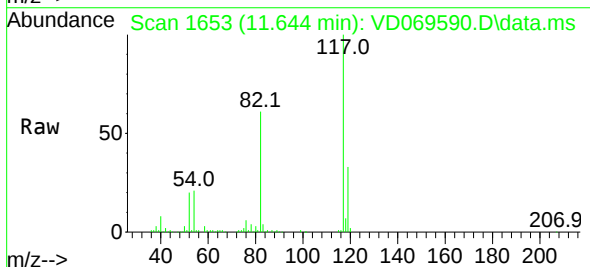
Instrument :
MSVOA_D
ClientSampleId :
VOC

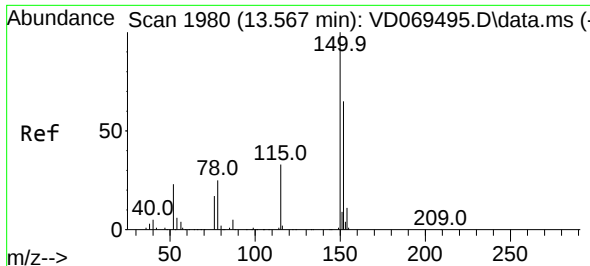
Tgt Ion: 95 Resp: 178795
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.0
176 68.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Tgt Ion: 117 Resp: 405343
Ion Ratio Lower Upper
117 100
82 60.9 46.8 70.2
119 32.8 26.2 39.2

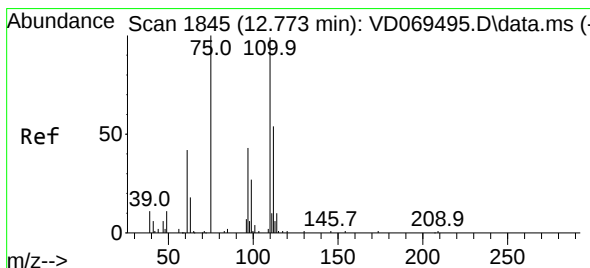
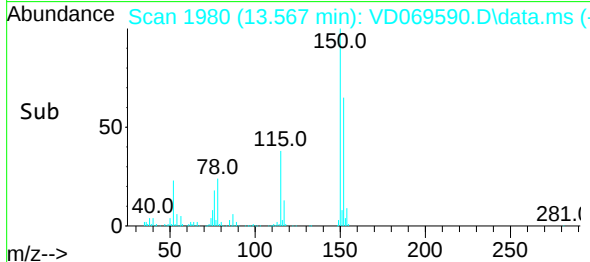
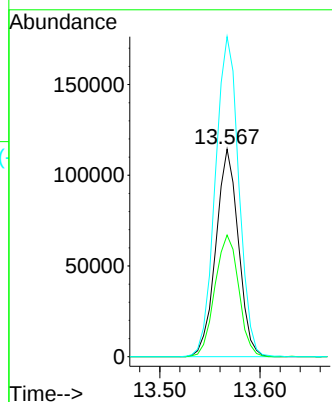
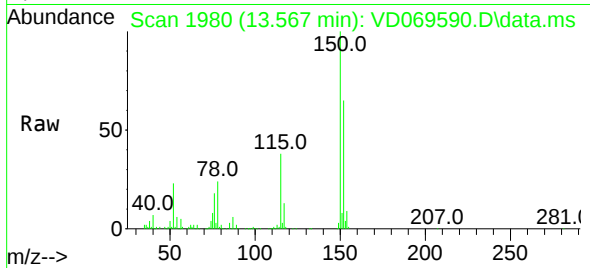




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

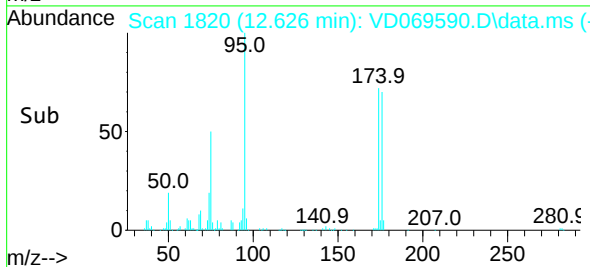
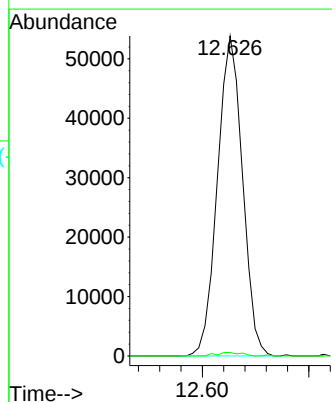
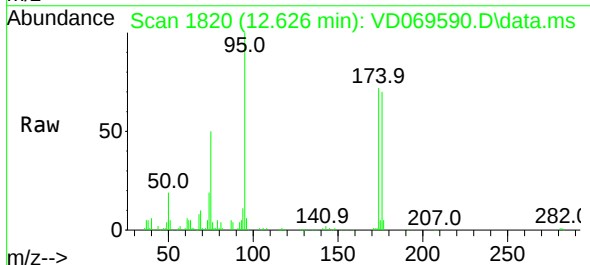
Instrument :
MSVOA_D
ClientSampleId :
VOC

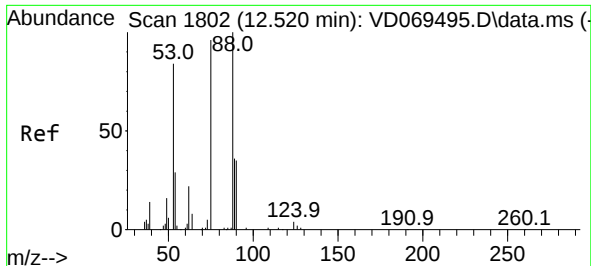
Tgt Ion:152 Resp: 178522
Ion Ratio Lower Upper
152 100
115 61.8 31.7 95.1
150 160.7 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 50.069 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

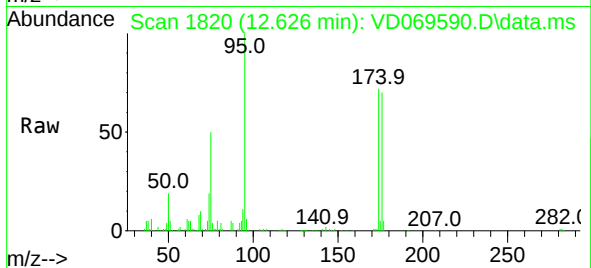
Tgt Ion: 75 Resp: 87742
Ion Ratio Lower Upper
75 100
77 1.1 162.6 487.8#



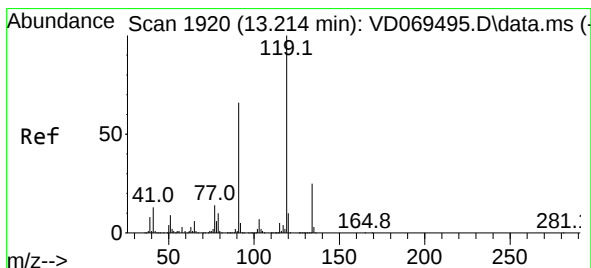
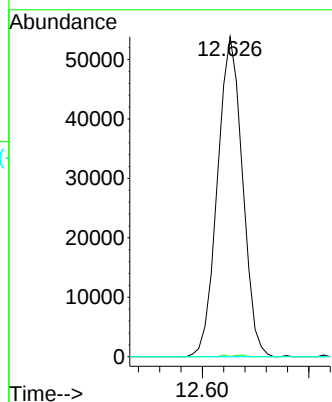
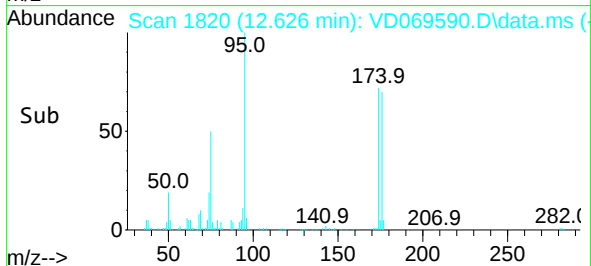


#81
trans-1,4-Dichloro-2-butene
Concen: 125.015 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

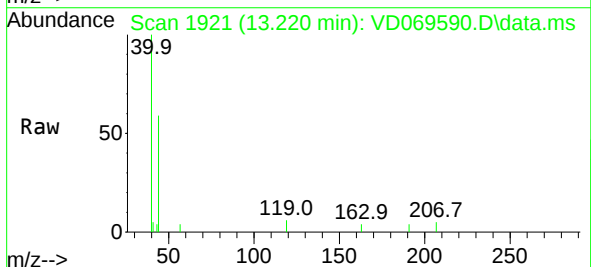
Instrument :
MSVOA_D
ClientSampleId :
VOC



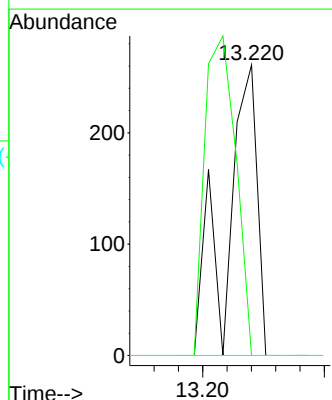
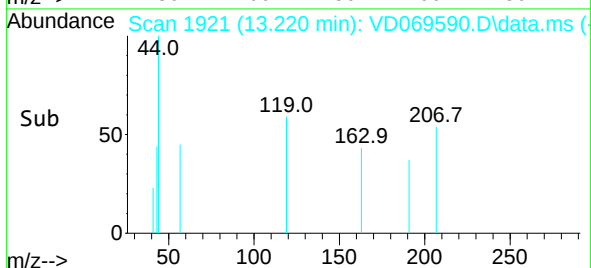
Tgt Ion: 75 Resp: 87742
Ion Ratio Lower Upper
75 100
53 0.1 74.6 112.0#
89 0.0 35.3 52.9#

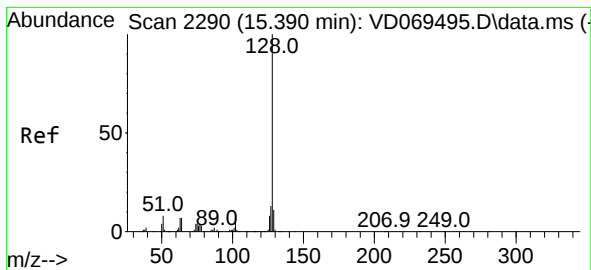


#83
tert-Butylbenzene
Concen: 2.016 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06



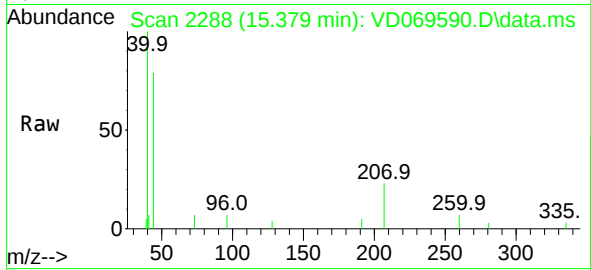
Tgt Ion: 119 Resp: 225
Ion Ratio Lower Upper
119 100
91 113.3 32.5 97.4#
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.366 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069590.D
Acq: 06 Jul 2021 19:06

Instrument :
MSVOA_D
ClientSampleId :
VOC



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

