

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069610.D
 Acq On : 07 Jul 2021 16:05
 Operator : VA/SY
 Sample : M2938-01
 Misc : 5.02G/5.00ml/MSVOA_D/soil
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:07:25 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)

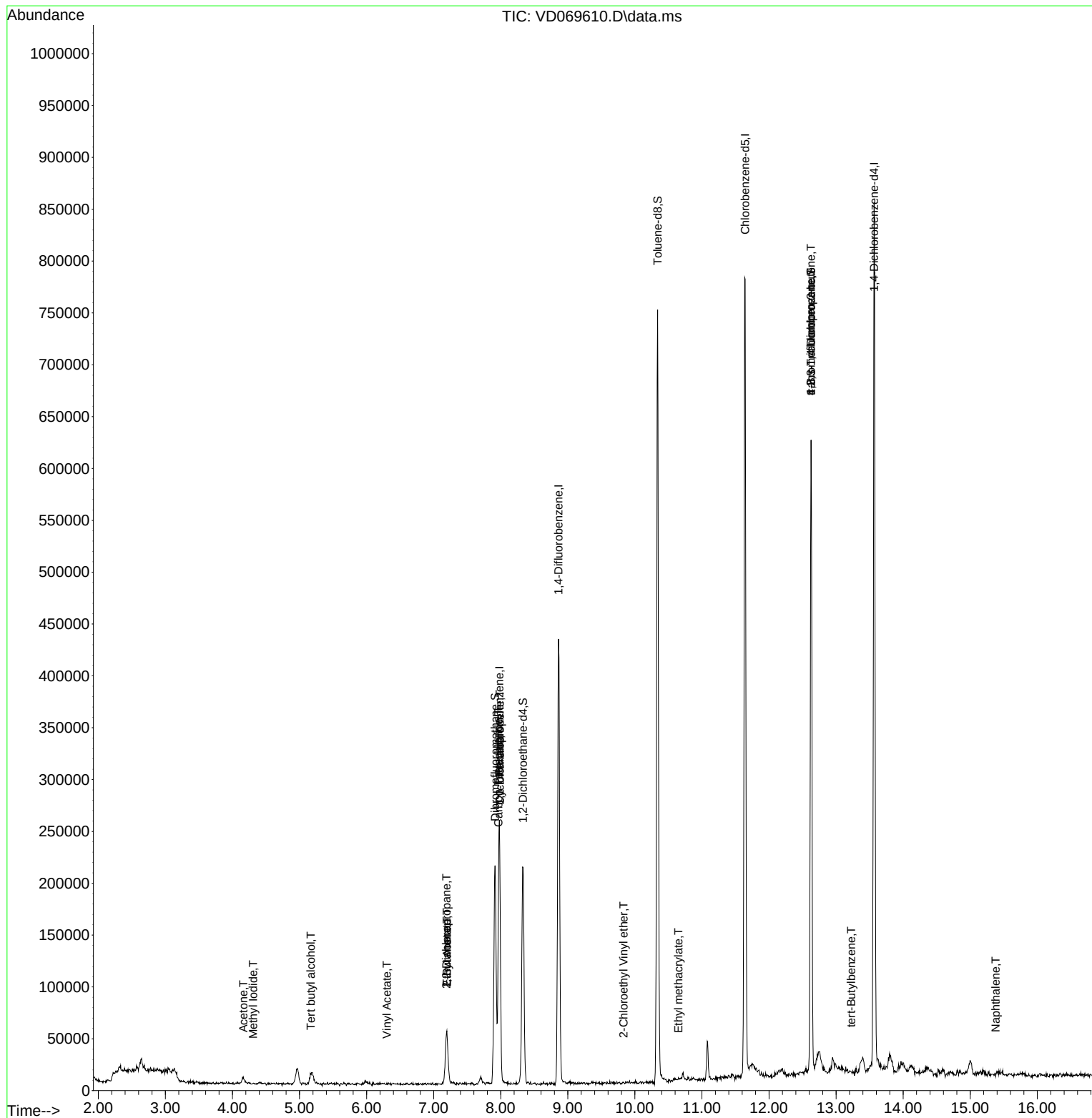
Internal Standards						
1) Pentafluorobenzene	7.979	168	175068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	363604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	464582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	218792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	175073	80.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.460%			
35) Dibromofluoromethane	7.914	113	157267	63.984	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.960%			
50) Toluene-d8	10.338	98	509339	55.246	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.500%			
62) 4-Bromofluorobenzene	12.626	95	215294	71.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 142.060%			
Target Compounds					Qvalue	
5) Bromomethane	2.791	94	1532	Below Cal	#	46
10) Methyl Iodide	4.309	142	233	4.057	ug/l #	78
11) Tert butyl alcohol	5.168	59	10740	61.197	ug/l #	83
16) Acetone	4.162	43	10258	27.928	ug/l	96
18) Methyl Acetate	4.785	43	70	Below Cal	#	49
20) Methylene Chloride	4.968	84	11463	Below Cal	#	79
23) Vinyl Acetate	6.303	43	59	19.028	ug/l #	70
25) 2-Butanone	7.197	43	3038	6.509	ug/l #	26
26) 2,2-Dichloropropane	7.191	77	4174	1.320	ug/l #	53
31) Cyclohexane	7.985	56	4924	1.676	ug/l #	4
36) 1,1-Dichloropropene	7.985	75	17895	5.015	ug/l #	46
37) Ethyl Acetate	7.197	43	3038	2.294	ug/l #	1
38) Carbon Tetrachloride	7.967	117	19442	5.505	ug/l #	15
56) Ethyl methacrylate	10.650	69	1175	3.067	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.832	63	55	10.644	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	104978	48.879	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	104978	122.043	ug/l #	12
83) tert-Butylbenzene	13.226	119	930	2.071	ug/l #	1
95) Naphthalene	15.379	128	747	3.457	ug/l #	69

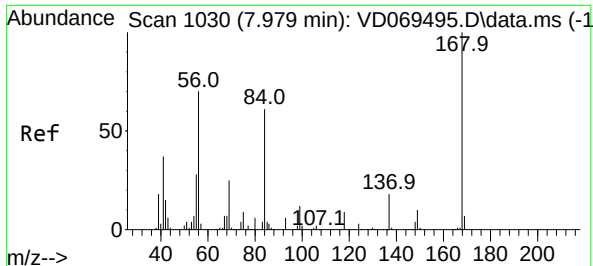
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

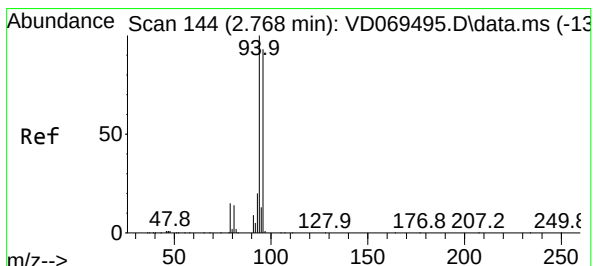
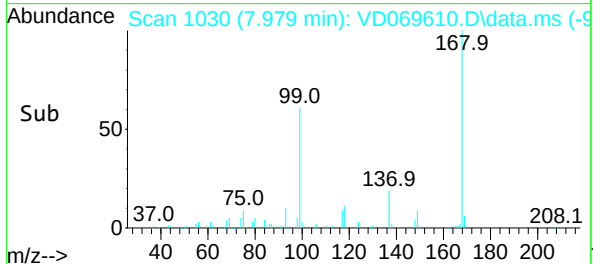
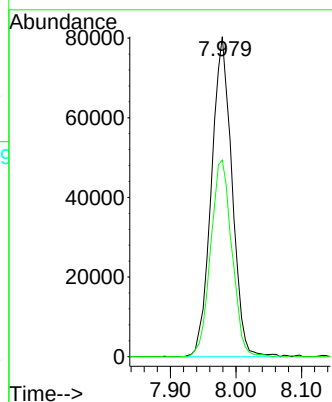
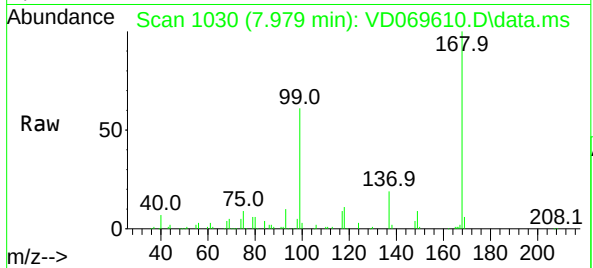




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

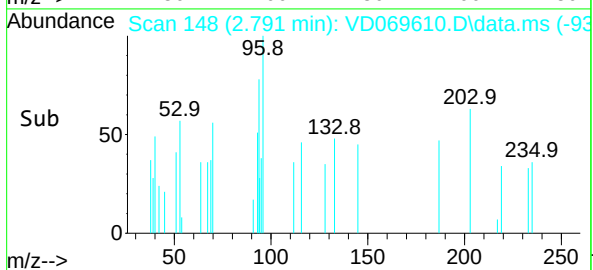
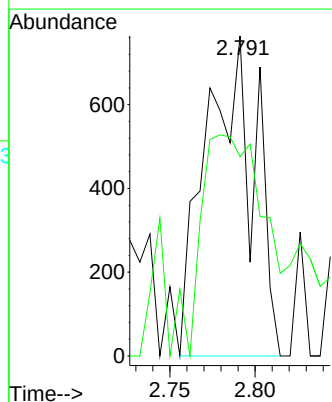
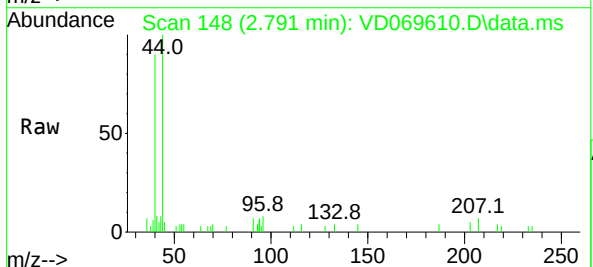
Instrument :
MSVOA_D
ClientSampleId :

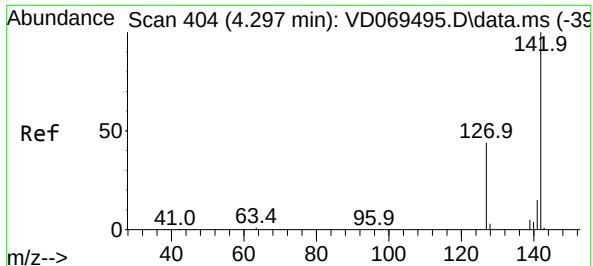
Tgt Ion:168 Resp: 175068
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 94 Resp: 1532
Ion Ratio Lower Upper
94 100
96 41.5 74.6 111.8#

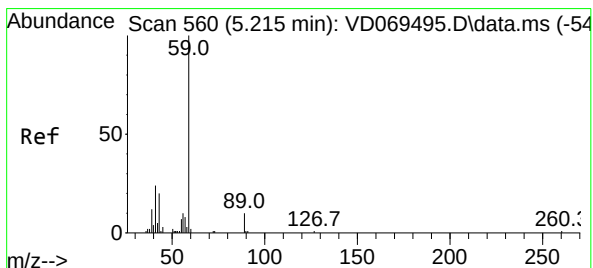
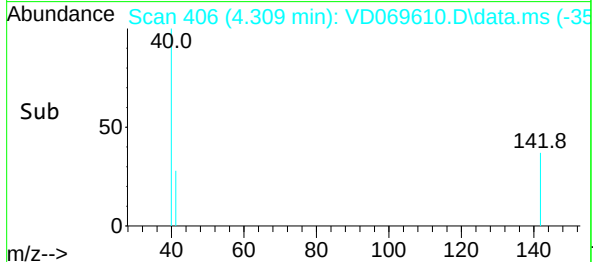
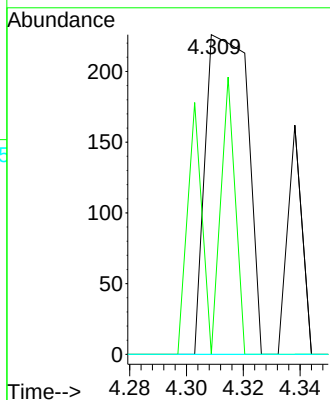
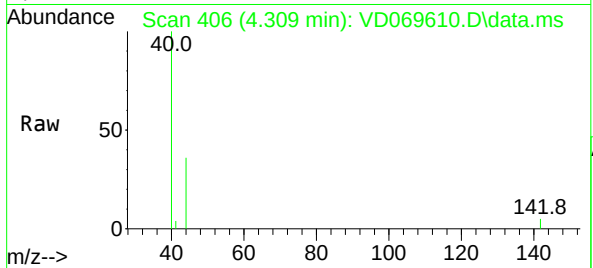




#10
Methyl Iodide
Concen: 4.057 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

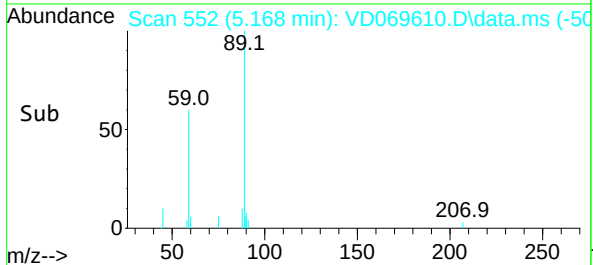
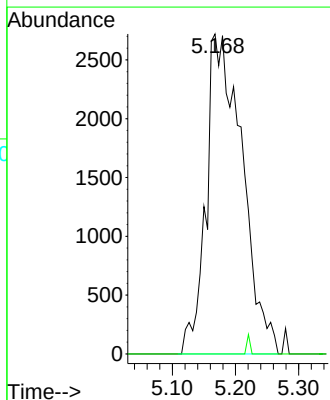
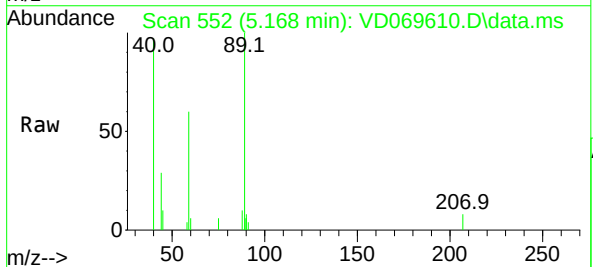
Instrument :
MSVOA_D
ClientSampled :

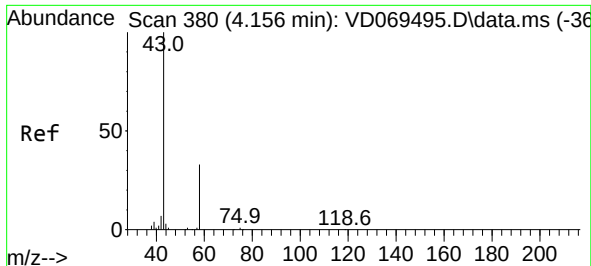
Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 56.7 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 61.197 ug/l
RT: 5.168 min Scan# 552
Delta R.T. -0.047 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 59 Resp: 10740
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

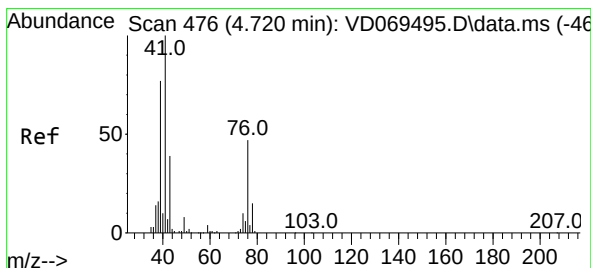
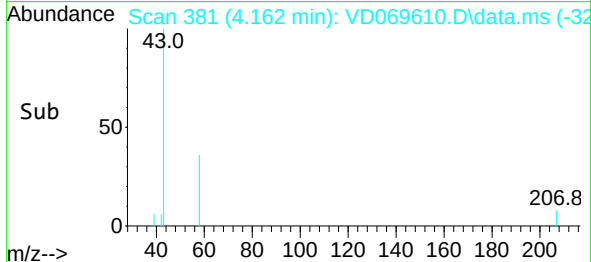
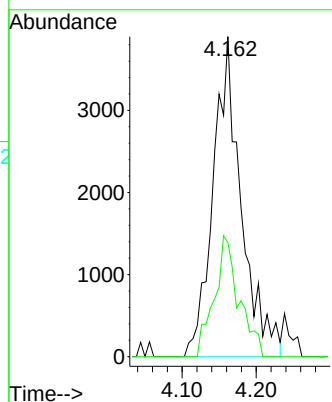
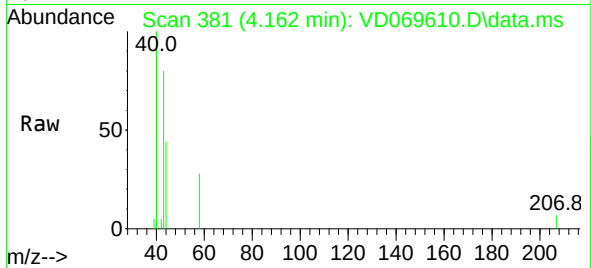




#16
Acetone
Concen: 27.928 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

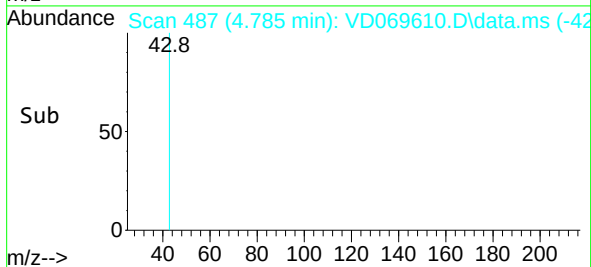
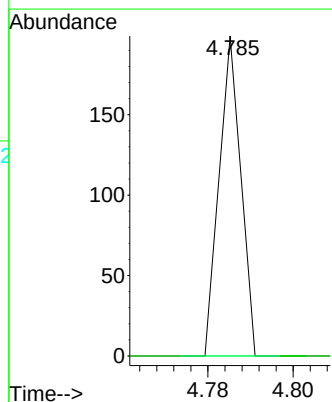
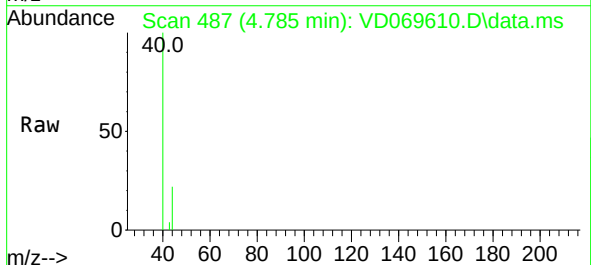
Instrument :
MSVOA_D
ClientSampled :

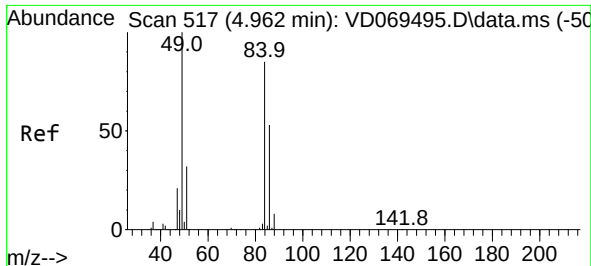
Tgt Ion: 43 Resp: 10258
Ion Ratio Lower Upper
43 100
58 35.7 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.785 min Scan# 487
Delta R.T. 0.065 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

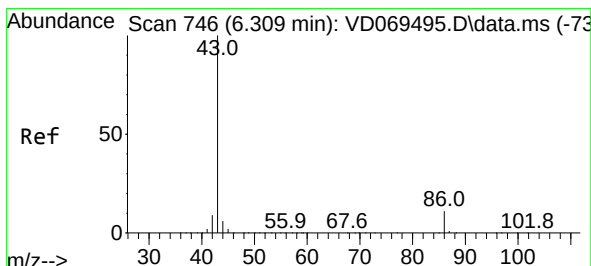
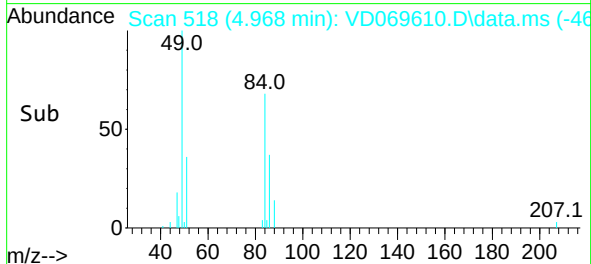
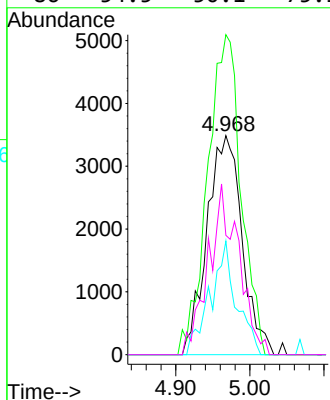
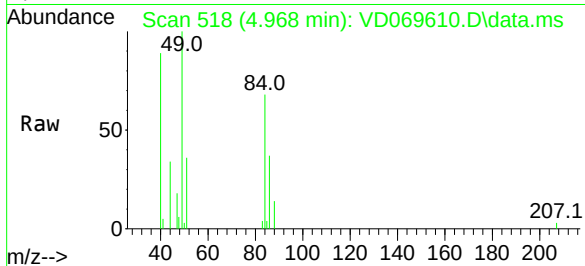




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

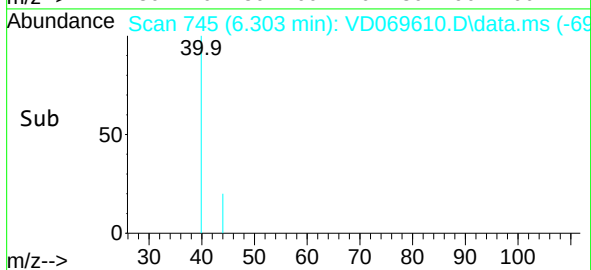
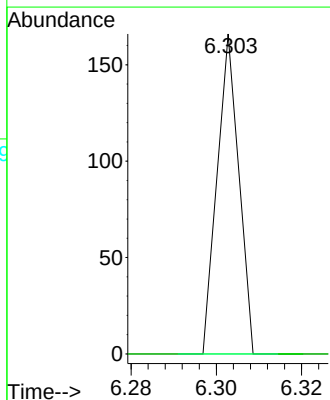
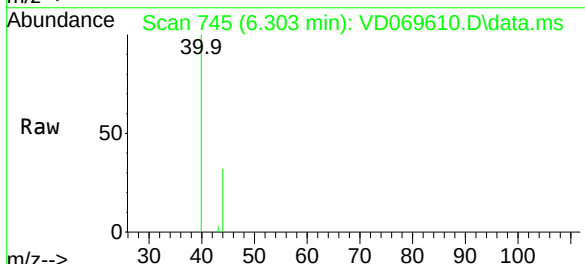
Instrument :
MSVOA_D
ClientSampleId :

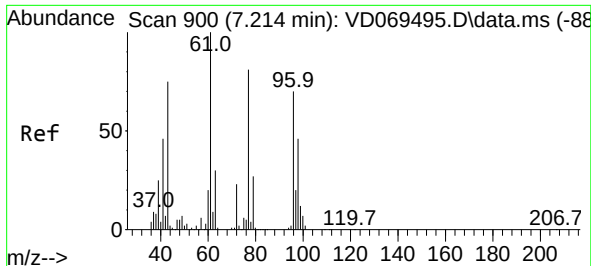
Tgt Ion:	84	Resp:	11463
Ion	Ratio	Lower	Upper
84	100		
49	146.1	94.0	141.0#
51	51.9	29.7	44.5#
86	54.5	50.1	75.1



#23
Vinyl Acetate
Concen: 19.028 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

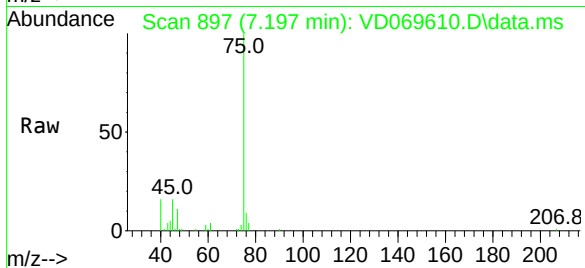
Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



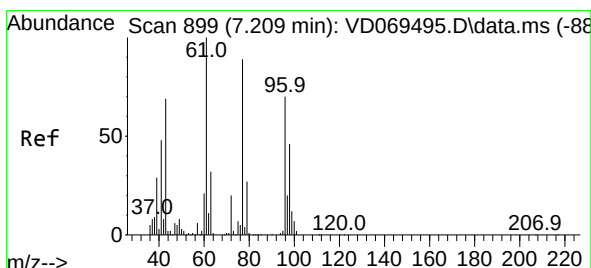
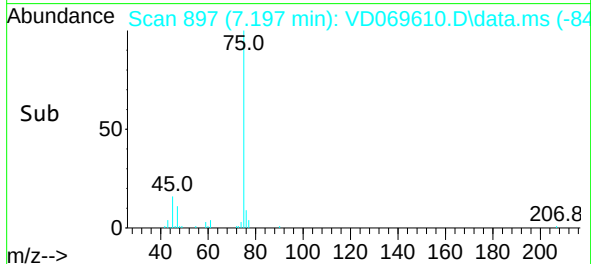
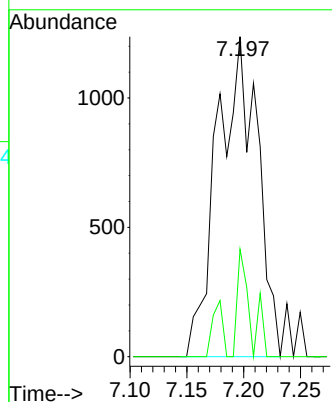


#25
2-Butanone
Concen: 6.509 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Instrument :
MSVOA_D
ClientSampled :

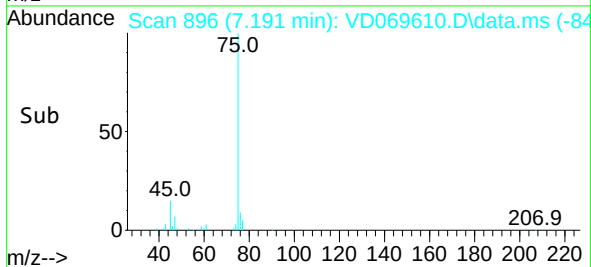
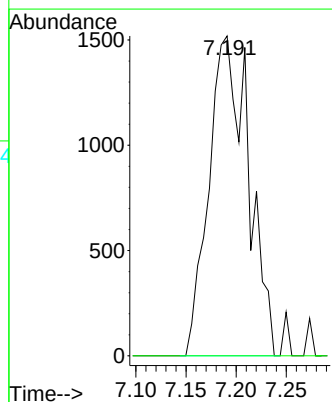
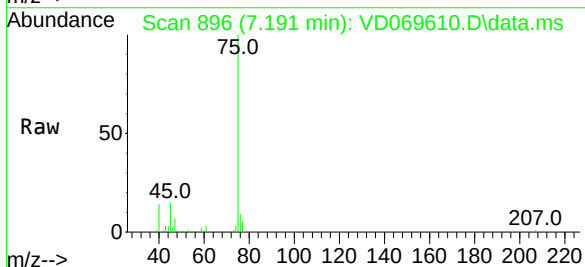


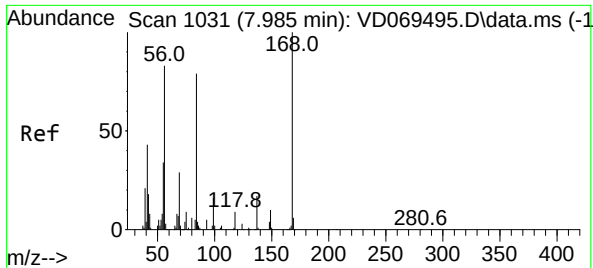
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
72 70.7 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 1.320 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 77 Resp: 4174
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#

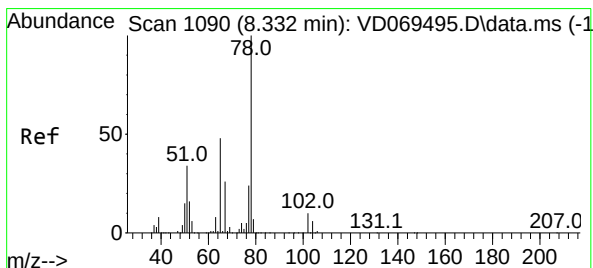
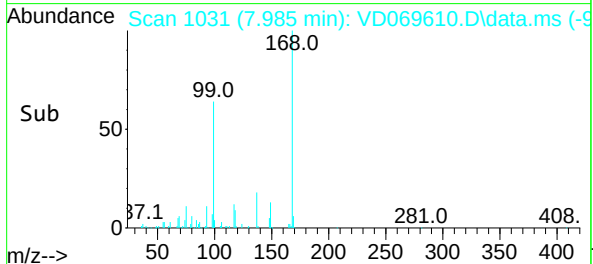
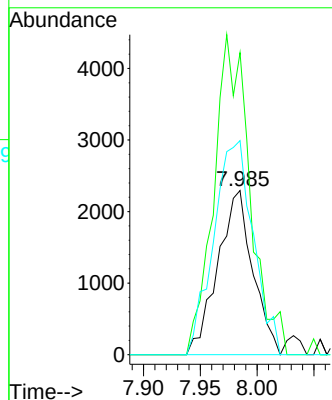
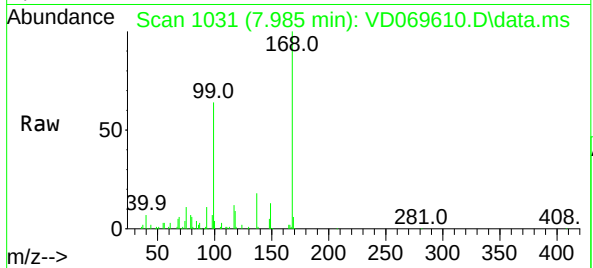




#31
Cyclohexane
Concen: 1.676 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

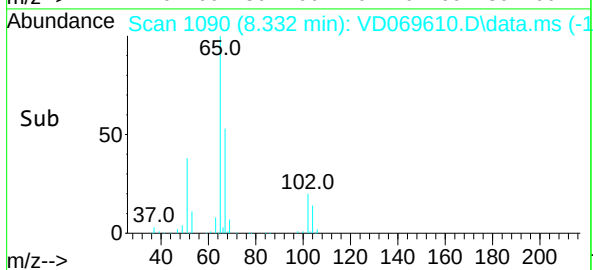
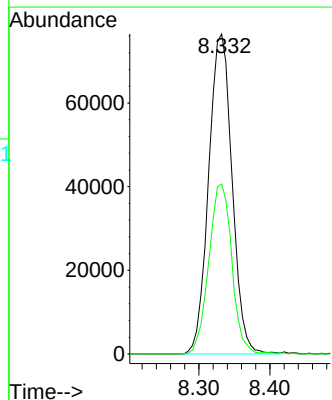
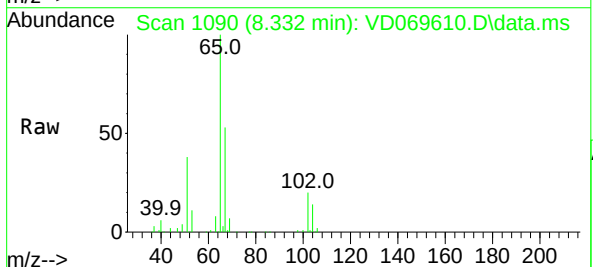
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MSVOA_D
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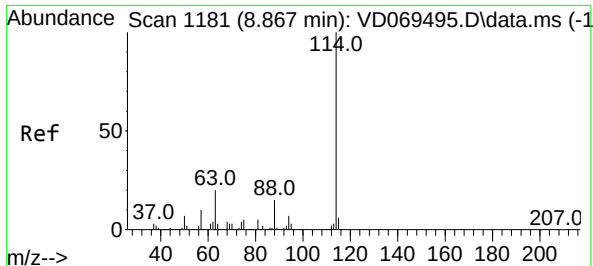
Tgt Ion: 56 Resp: 4924
Ion Ratio Lower Upper
56 100
69 183.9 28.0 42.0#
84 130.4 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 80.228 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 65 Resp: 175073
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6

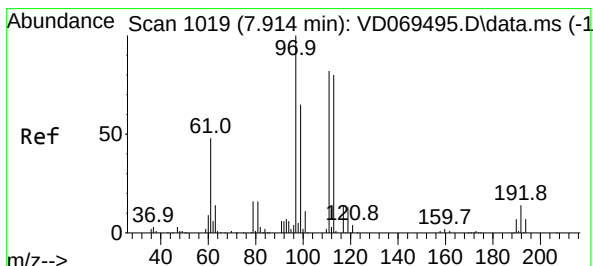
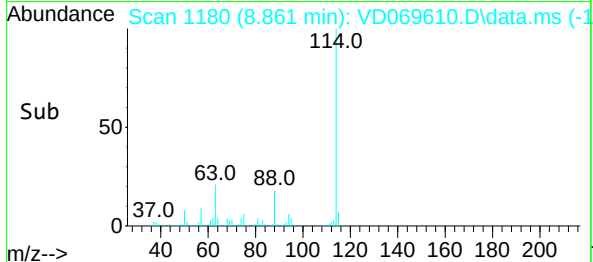
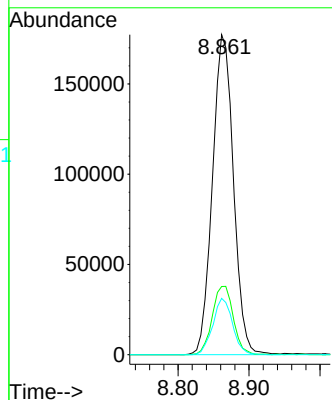
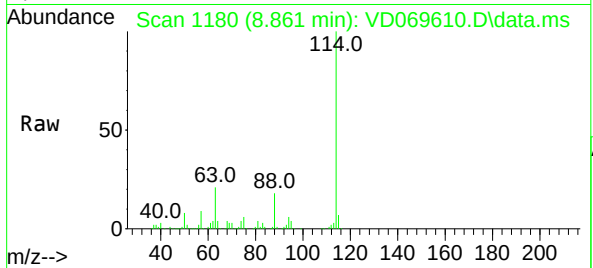




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

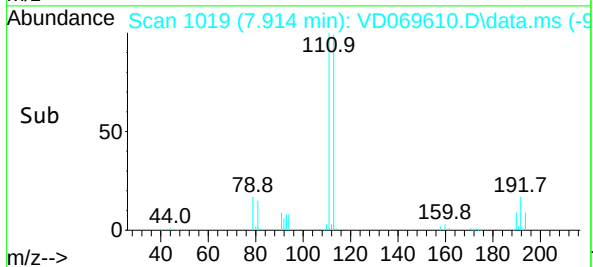
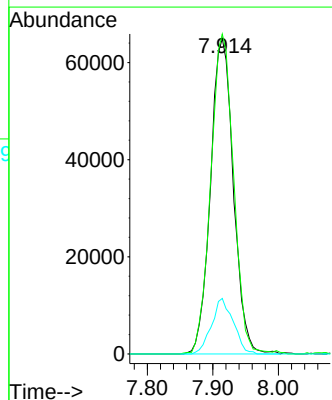
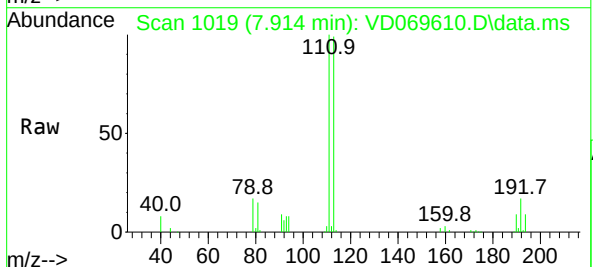
Instrument :
MSVOA_D
ClientSampleId :

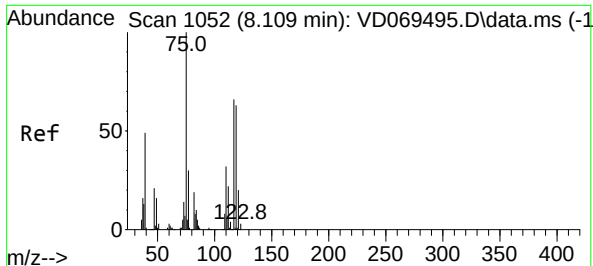
Tgt Ion:114 Resp: 363604
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 17.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 63.984 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion:113 Resp: 157267
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 16.7 13.8 20.6

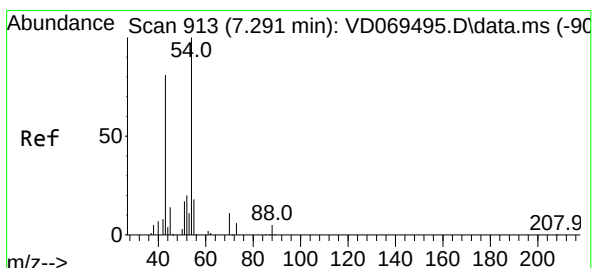
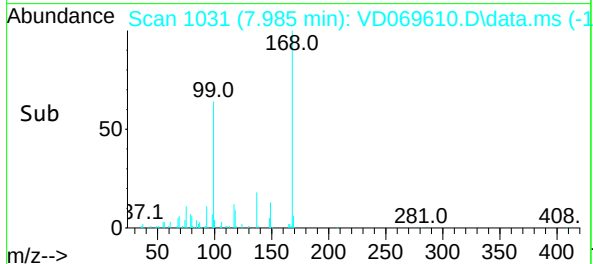
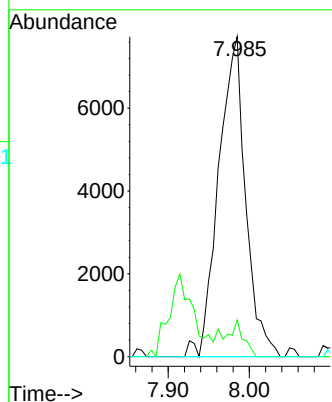
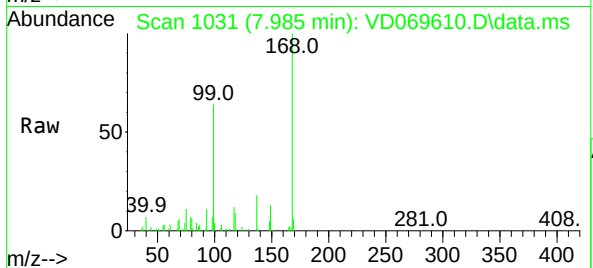




#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

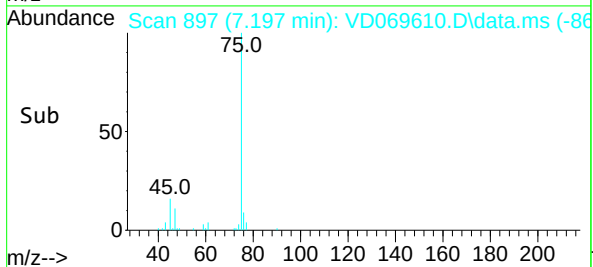
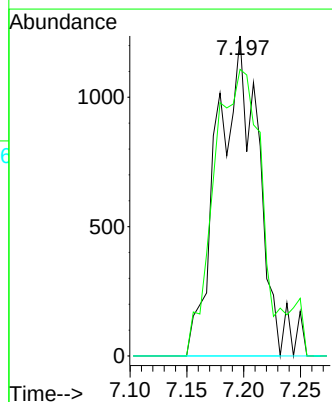
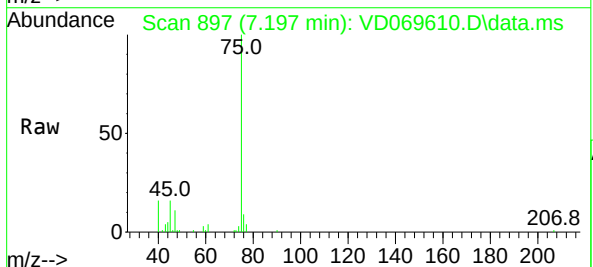
Instrument :
MSVOA_D
ClientSampleId :

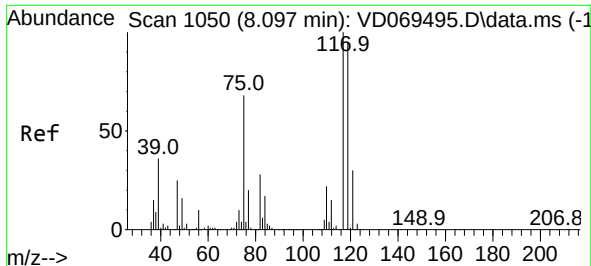
Tgt Ion: 75 Resp: 17895
Ion Ratio Lower Upper
75 100
110 3.7 16.8 50.4#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 2.294 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.094 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

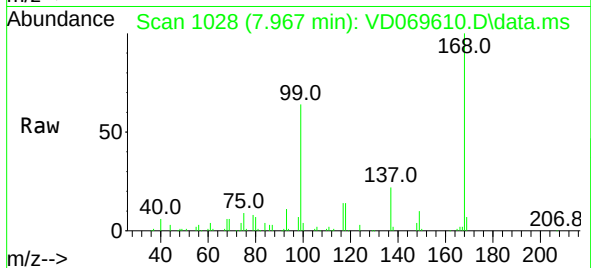
Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
61 106.0 11.4 17.0#
70 0.0 9.5 14.3#



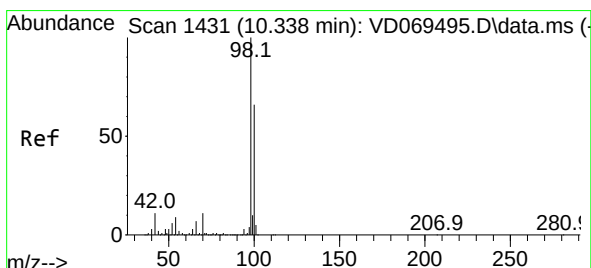
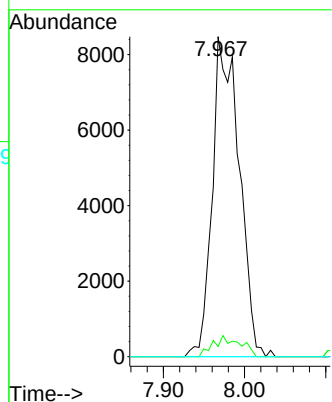
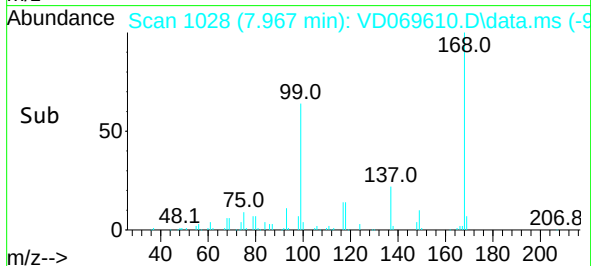


#38
Carbon Tetrachloride
Concen: 5.505 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.129 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

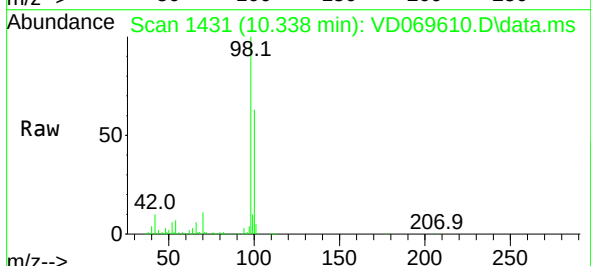
Instrument :
MSVOA_D
ClientSampleId :



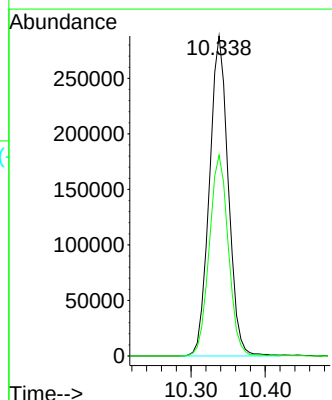
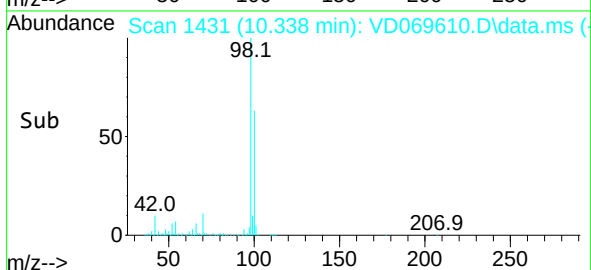
Tgt Ion:117 Resp: 19442
Ion Ratio Lower Upper
117 100
119 3.2 75.6 113.4#
121 0.0 23.8 35.8#

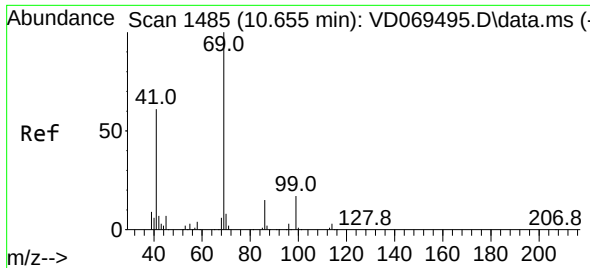


#50
Toluene-d8
Concen: 55.246 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05



Tgt Ion: 98 Resp: 509339
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5

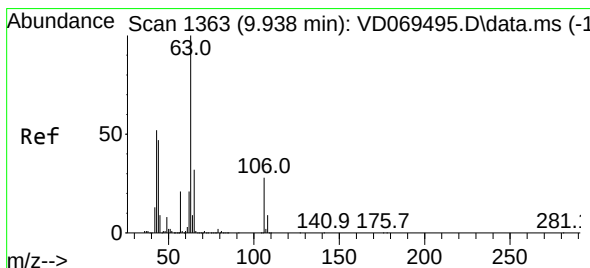
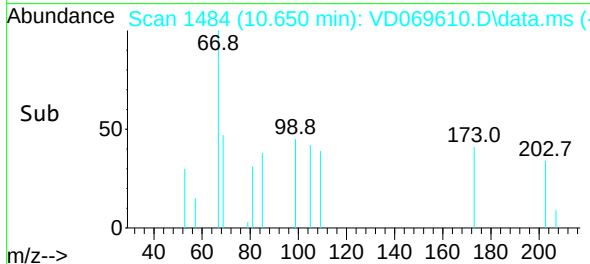
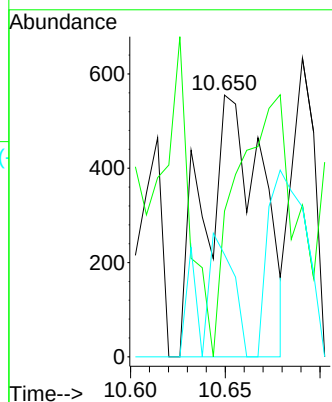
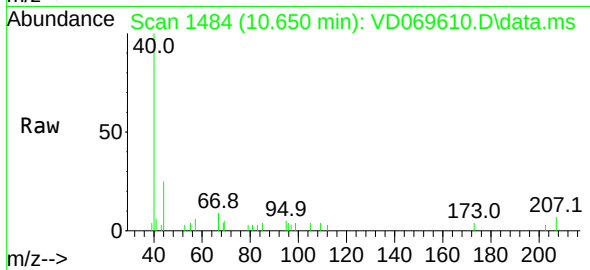




#56
Ethyl methacrylate
Concen: 3.067 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

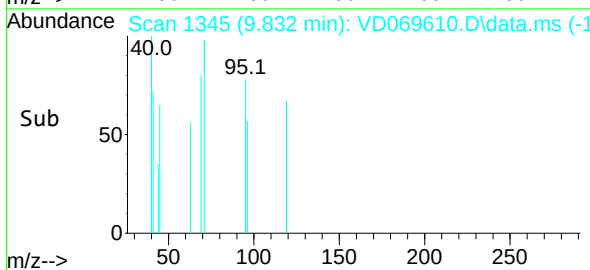
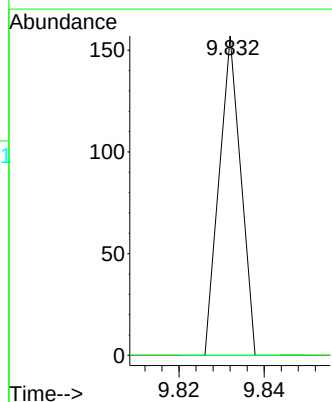
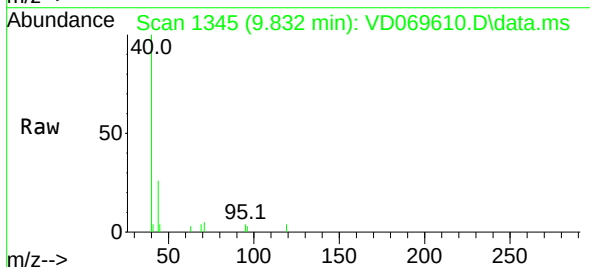
Instrument :
MSVOA_D
ClientSampleId :

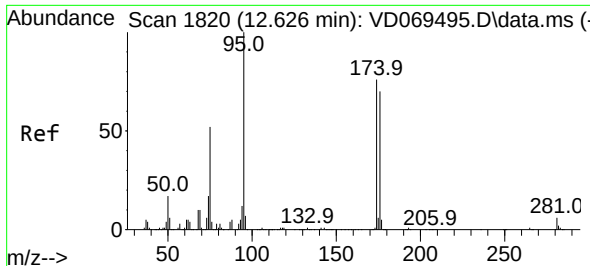
Tgt Ion: 69 Resp: 1175
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 26.5 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.644 ug/l
RT: 9.832 min Scan# 1345
Delta R.T. -0.106 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

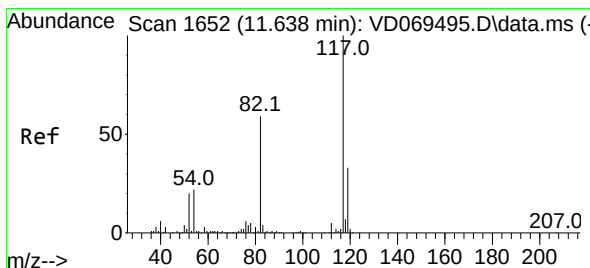
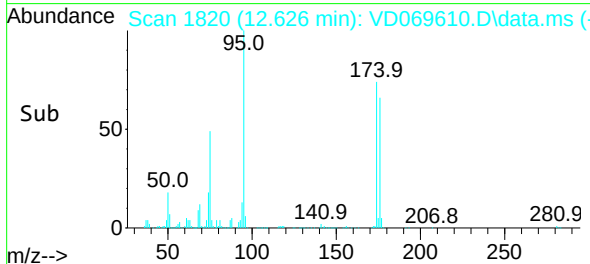
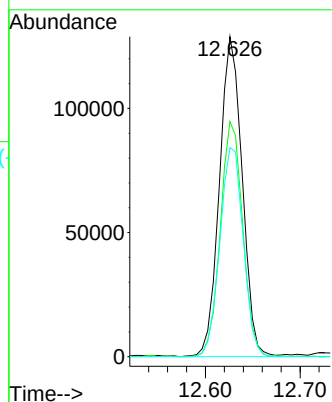
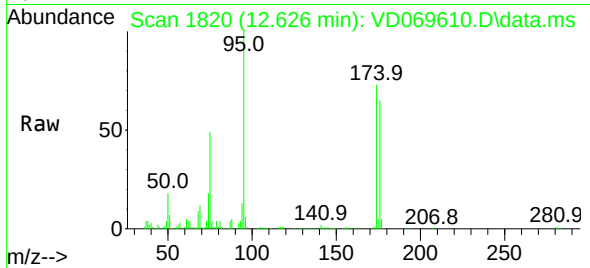




#62
4-Bromofluorobenzene
Concen: 71.032 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

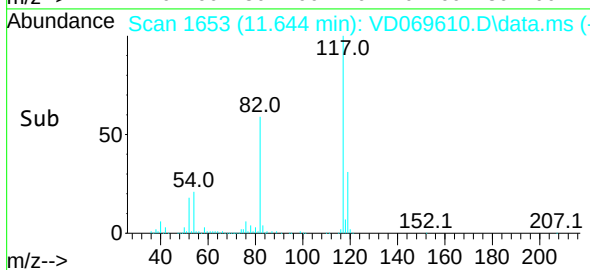
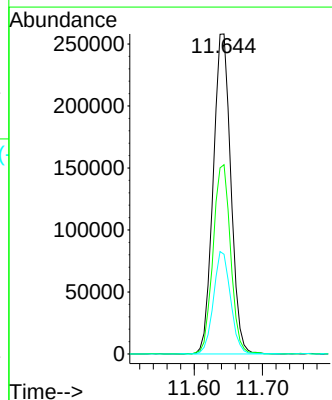
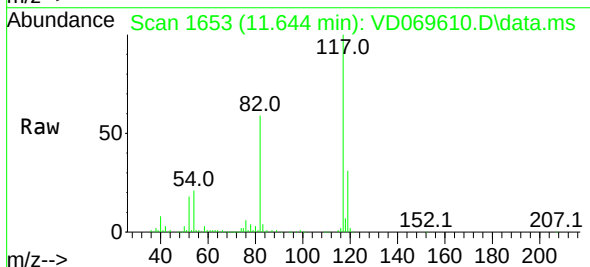
Instrument :
MSVOA_D
ClientSampleId :

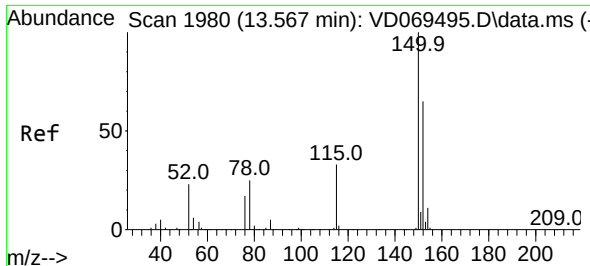
Tgt Ion: 95 Resp: 215294
Ion Ratio Lower Upper
95 100
174 72.2 0.0 148.0
176 67.3 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Tgt Ion: 117 Resp: 464582
Ion Ratio Lower Upper
117 100
82 59.1 46.8 70.2
119 31.1 26.2 39.2

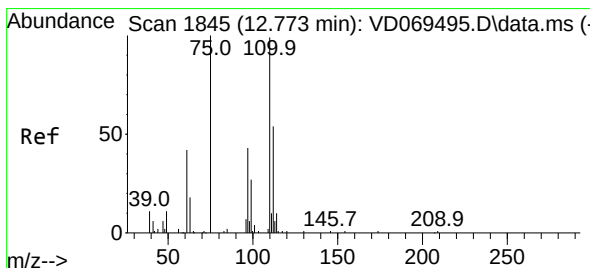
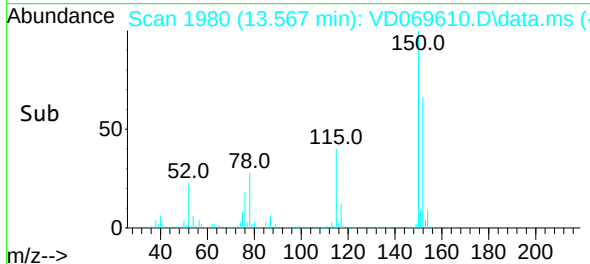
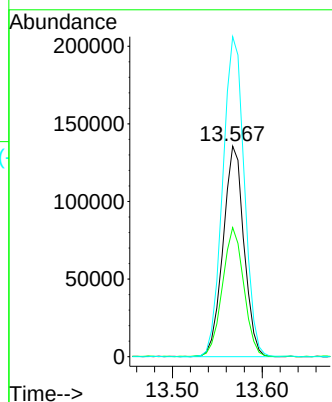
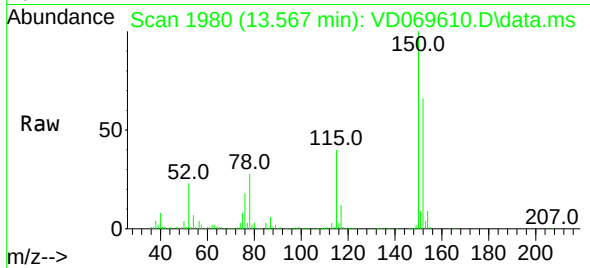




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069610.D
 Acq: 07 Jul 2021 16:05

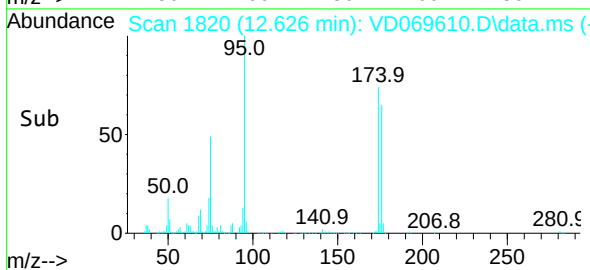
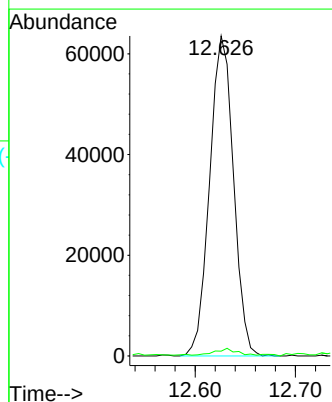
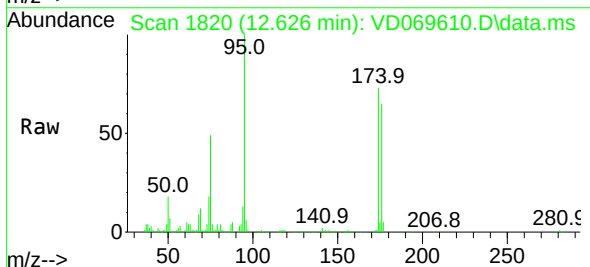
Instrument :
 MSVOA_D
 ClientSampleId :

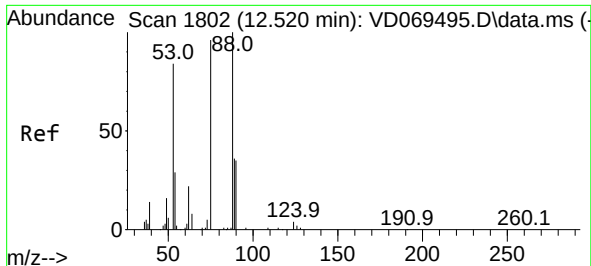
Tgt Ion:152 Resp: 218792
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.7 95.1
 150 156.8 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 48.879 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069610.D
 Acq: 07 Jul 2021 16:05

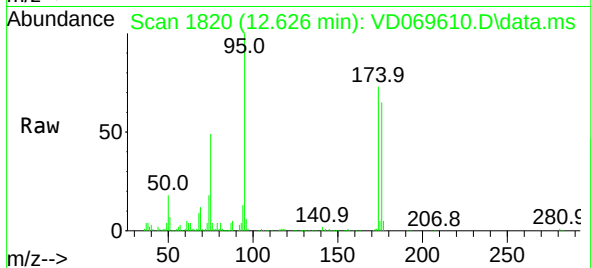
Tgt Ion: 75 Resp: 104978
 Ion Ratio Lower Upper
 75 100
 77 1.7 162.6 487.8#



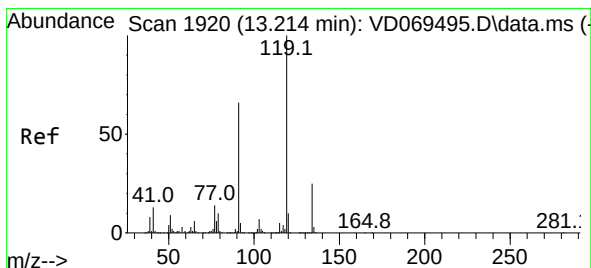
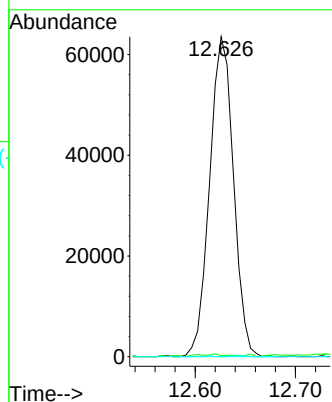
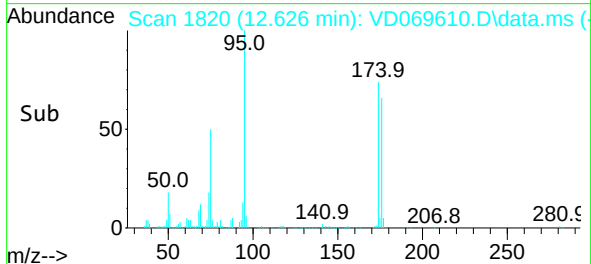


#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.043 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069610.D
 Acq: 07 Jul 2021 16:05

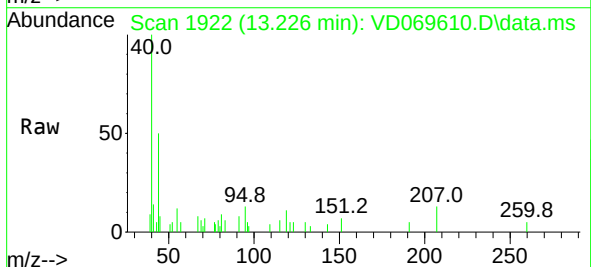
Instrument :
 MSVOA_D
 ClientSampleId :



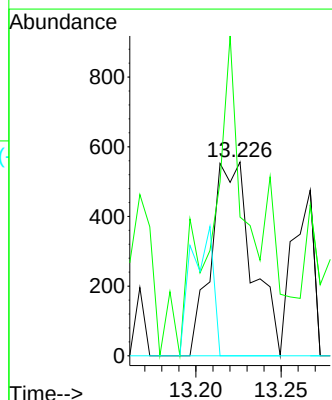
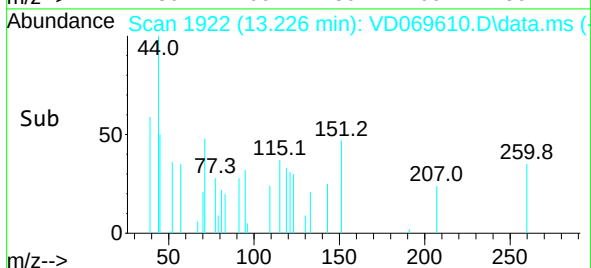
Tgt Ion: 75 Resp: 104978
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 112.0#
 89 0.2 35.3 52.9#

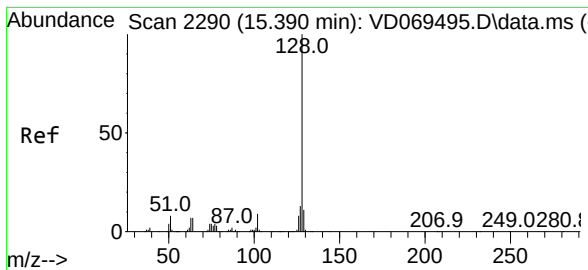


#83
 tert-Butylbenzene
 Concen: 2.071 ug/l
 RT: 13.226 min Scan# 1922
 Delta R.T. 0.012 min
 Lab File: VD069610.D
 Acq: 07 Jul 2021 16:05



Tgt Ion: 119 Resp: 930
 Ion Ratio Lower Upper
 119 100
 91 167.7 32.5 97.4#
 134 35.3 12.9 38.7





#95
Naphthalene
Concen: 3.457 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069610.D
Acq: 07 Jul 2021 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 747
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

