

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069553.D
 Acq On : 23 Jun 2021 19:03
 Operator : VA/SY
 Sample : M2834-02
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:11:19 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)

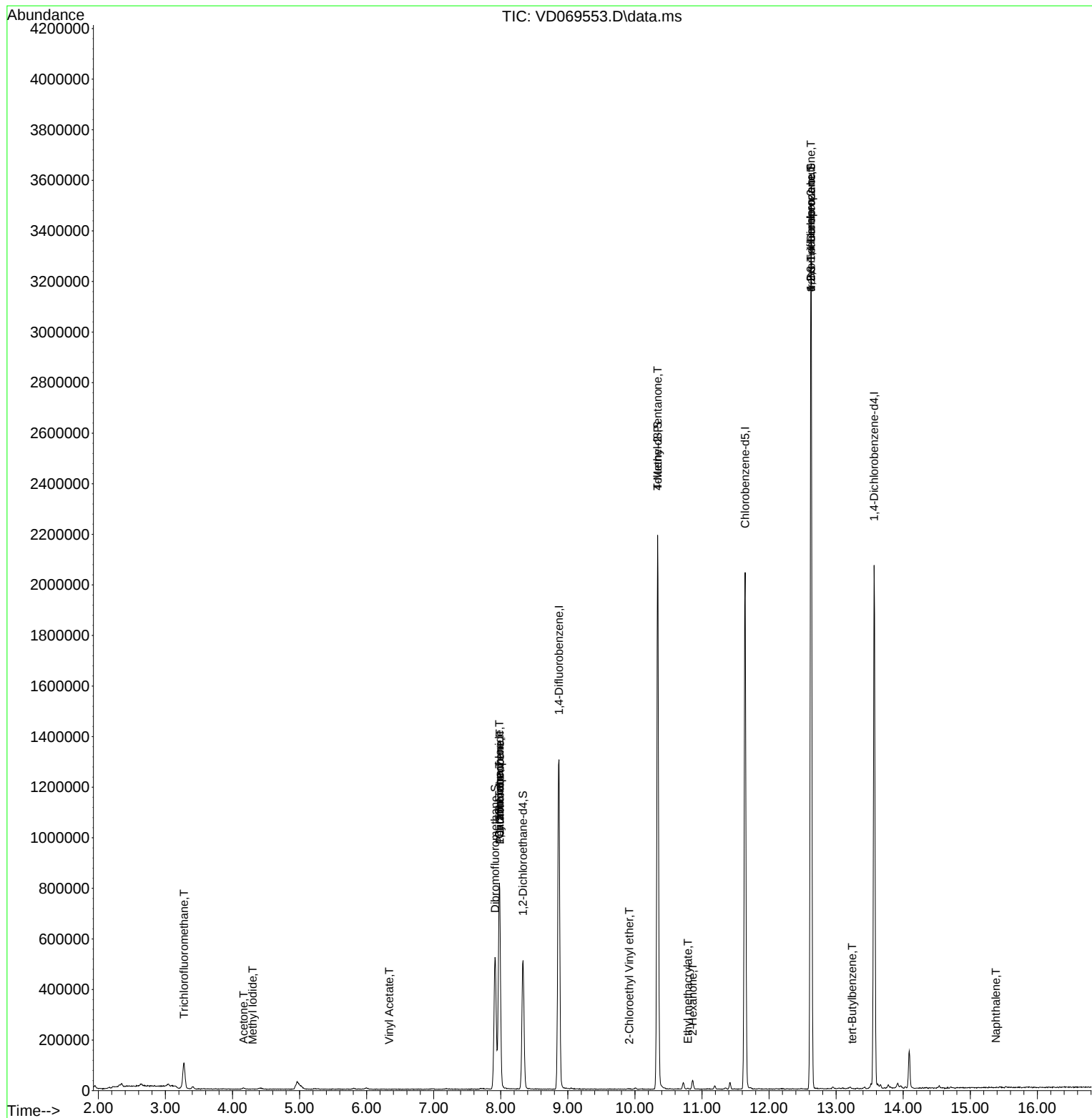
Internal Standards						
1) Pentafluorobenzene	7.985	168	567799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1115305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1168248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	520073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	412076	58.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.440%			
35) Dibromofluoromethane	7.914	113	383108	50.815	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.640%			
50) Toluene-d8	10.337	98	1451252	51.319	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.626	95	586492	63.084	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 126.160%			
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	747	Below Cal	#	72
7) Trichlorofluoromethane	3.279	101	108161	10.256	ug/l	98
10) Methyl Iodide	4.302	142	116	3.958	ug/l	# 39
11) Tert butyl alcohol	5.220	59	2424	Below Cal	#	83
16) Acetone	4.167	43	6687	5.613	ug/l	# 73
18) Methyl Acetate	4.726	43	207	Below Cal	#	49
20) Methylene Chloride	4.973	84	21388	Below Cal		87
23) Vinyl Acetate	6.338	43	198	19.029	ug/l	# 70
31) Cyclohexane	7.979	56	15327	1.608	ug/l	# 1
36) 1,1-Dichloropropene	7.985	75	54476	4.977	ug/l	# 49
38) Carbon Tetrachloride	7.979	117	62869	5.803	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.337	43	6776	1.746	ug/l	# 1
56) Ethyl methacrylate	10.790	69	144	2.601	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.914	63	71	10.619	ug/l	# 47
59) 2-Hexanone	10.861	43	12190	4.655	ug/l	# 25
76) 1,2,3-Trichloropropane	12.626	75	320035	62.688	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	320035	156.524	ug/l	# 13
83) tert-Butylbenzene	13.237	119	76	1.995	ug/l	# 27
95) Naphthalene	15.384	128	877	3.405	ug/l	# 69

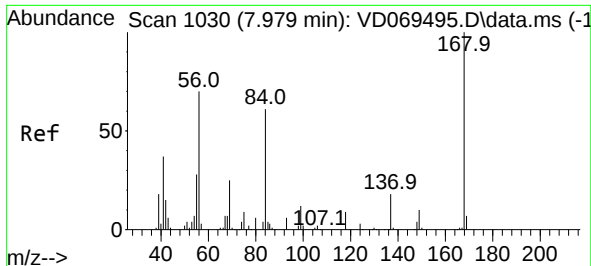
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

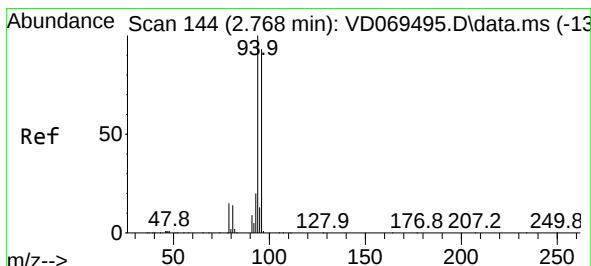
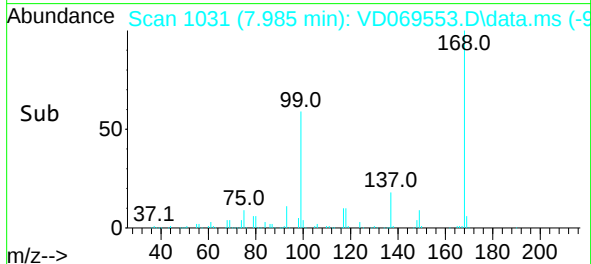
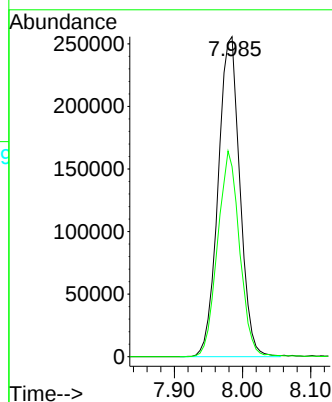
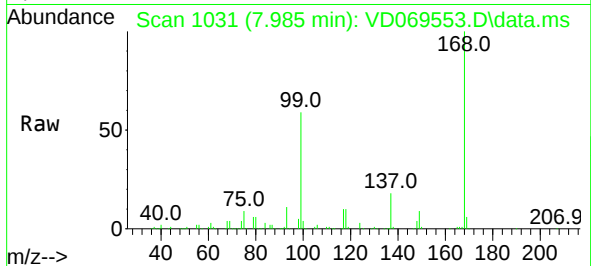




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

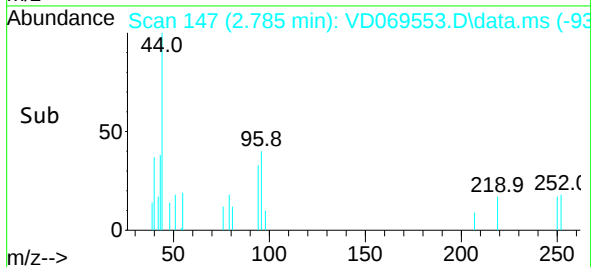
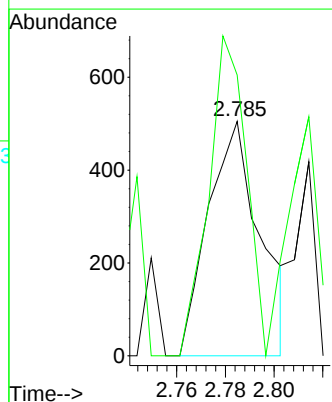
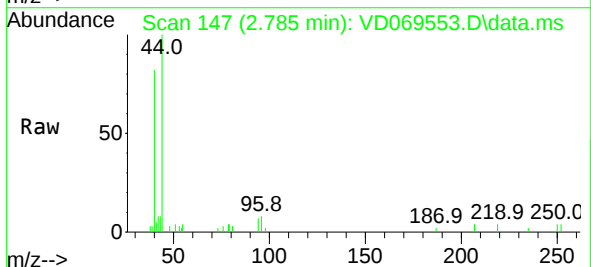
Instrument :
MSVOA_D
ClientSampleId :

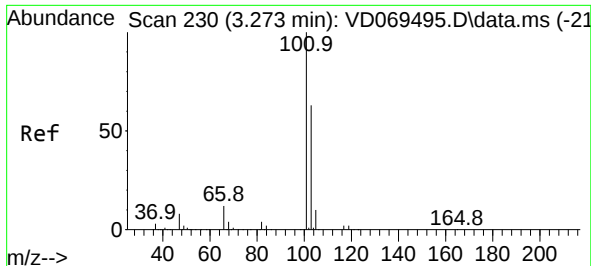
Tgt Ion:168 Resp: 567799
Ion Ratio Lower Upper
168 100
99 59.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion: 94 Resp: 747
Ion Ratio Lower Upper
94 100
96 119.8 74.6 111.8#

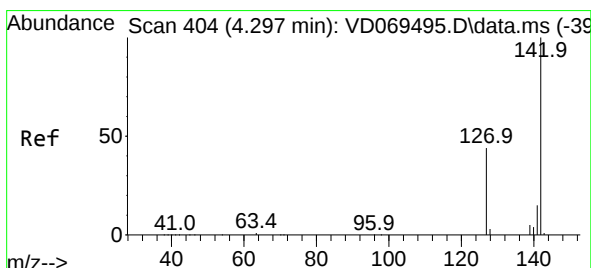
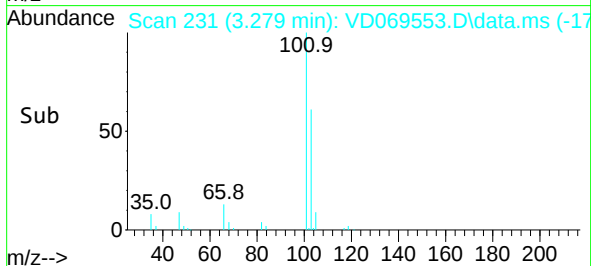
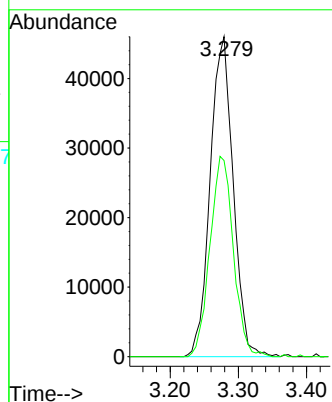
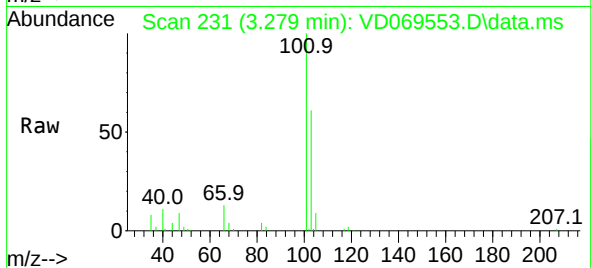




#7
Trichlorofluoromethane
Concen: 10.256 ug/l
RT: 3.279 min Scan# 231
Delta R.T. 0.005 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

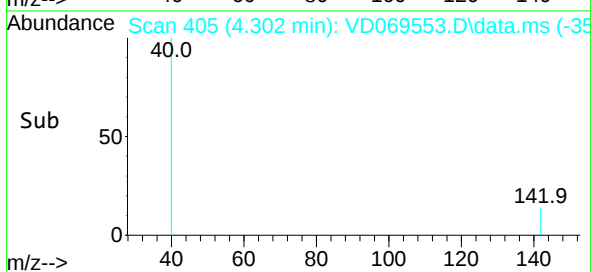
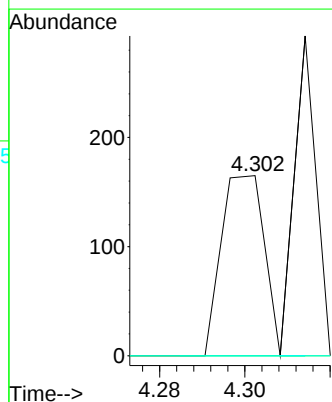
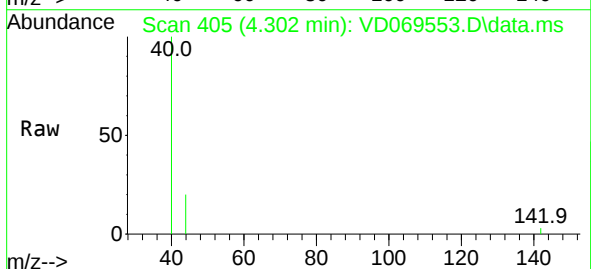
Instrument :
MSVOA_D
ClientSampleId :

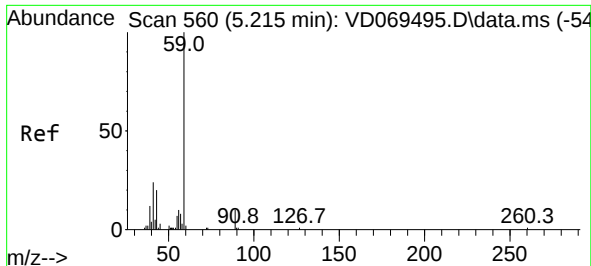
Tgt Ion:101 Resp: 108161
Ion Ratio Lower Upper
101 100
103 61.3 50.6 75.8



#10
Methyl Iodide
Concen: 3.958 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

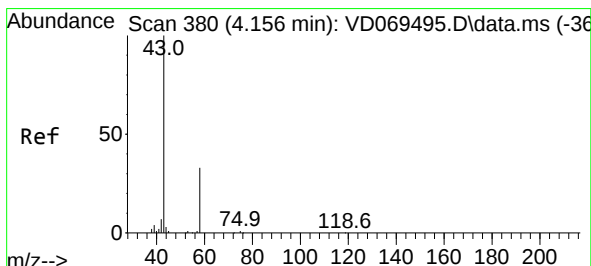
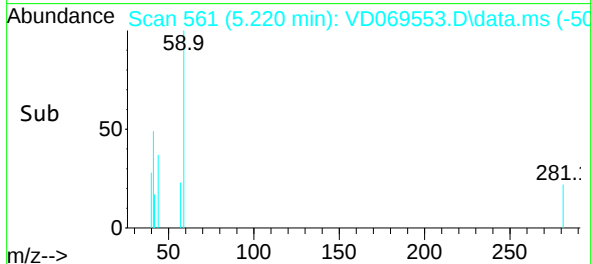
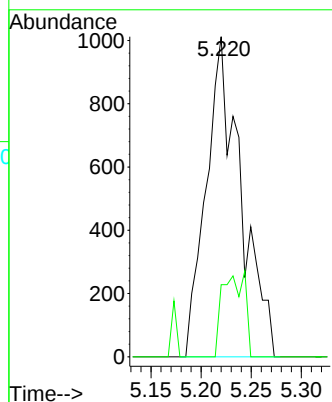
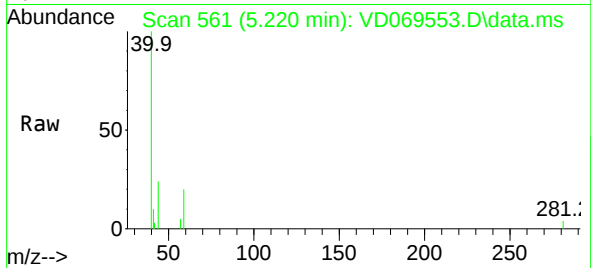




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

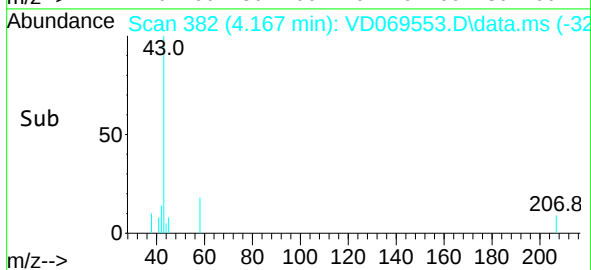
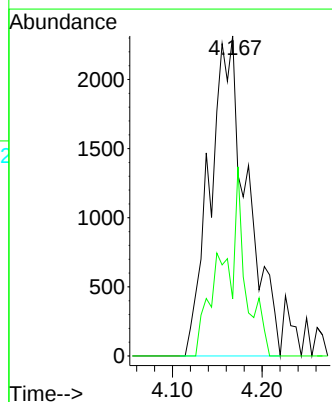
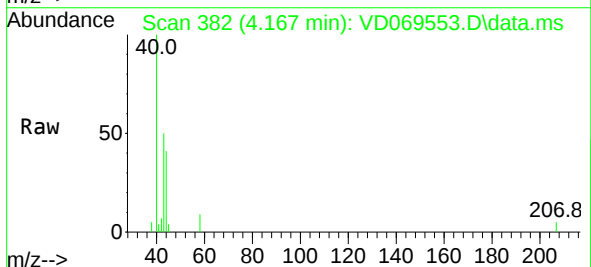
Instrument :
MSVOA_D
ClientSampled :

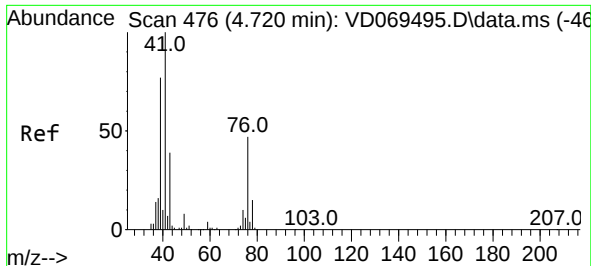
Tgt Ion: 59 Resp: 2424
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#16
Acetone
Concen: 5.613 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

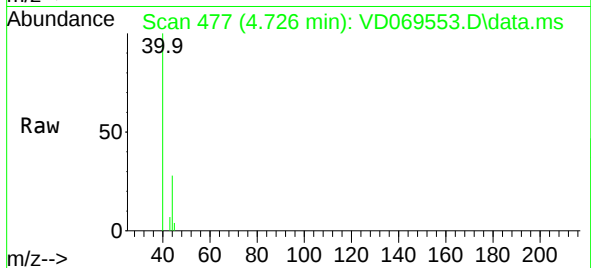
Tgt Ion: 43 Resp: 6687
Ion Ratio Lower Upper
43 100
58 17.9 26.8 40.2#



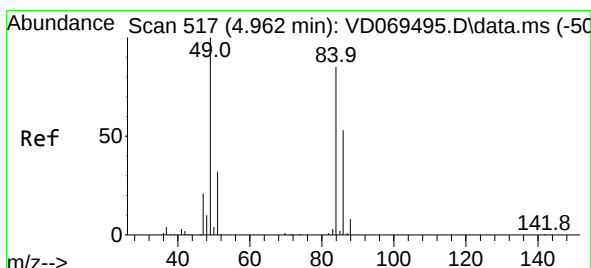
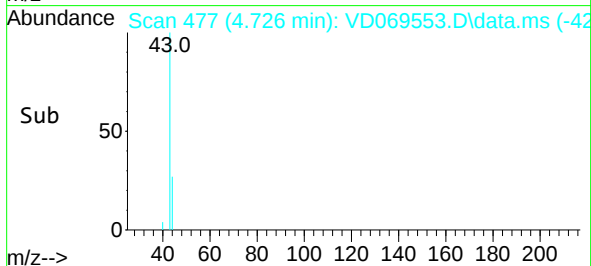
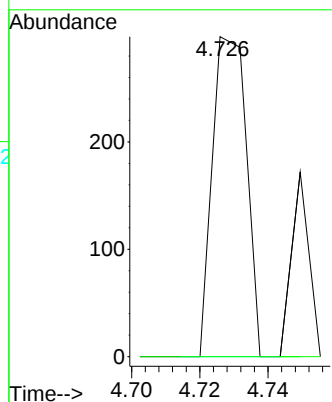


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Instrument :
MSVOA_D
ClientSampled :

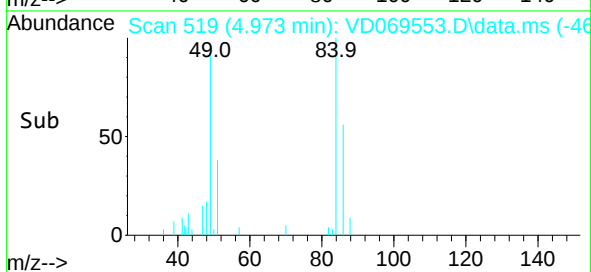
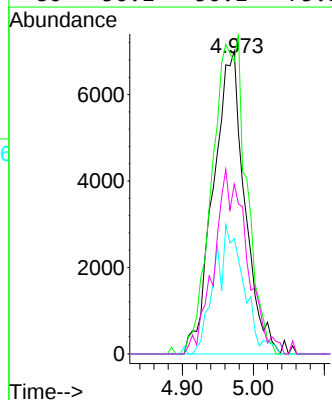
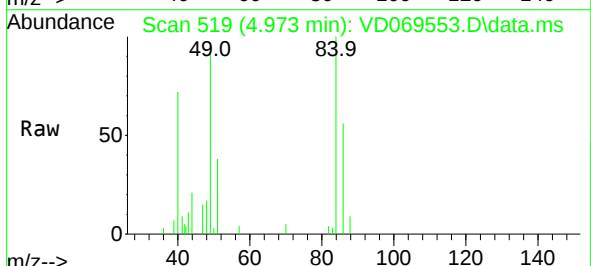


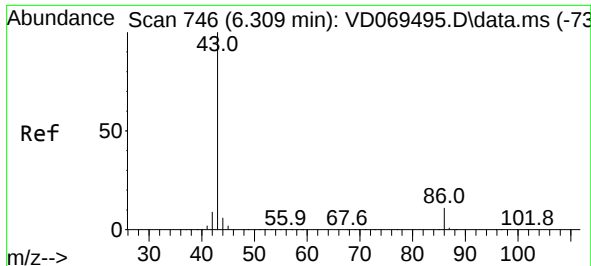
Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion: 84 Resp: 21388
Ion Ratio Lower Upper
84 100
49 96.7 94.0 141.0
51 38.1 29.7 44.5
86 56.1 50.1 75.1

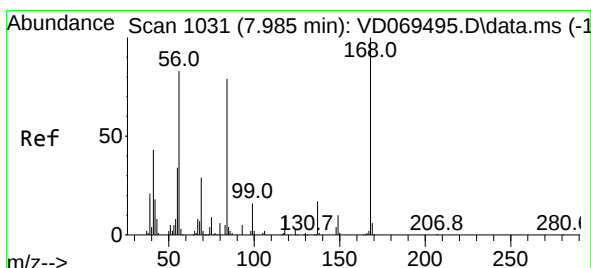
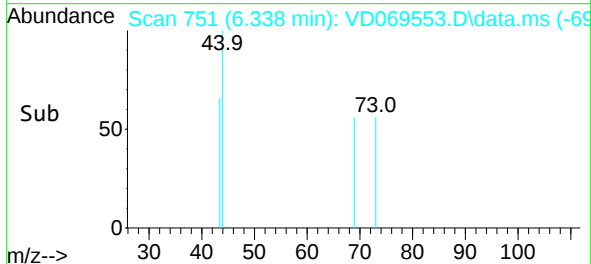
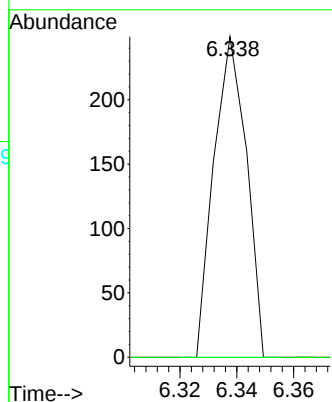
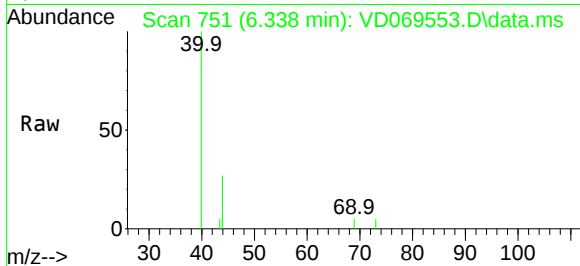




#23
 Vinyl Acetate
 Concen: 19.029 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.029 min
 Lab File: VD069553.D
 Acq: 23 Jun 2021 19:03

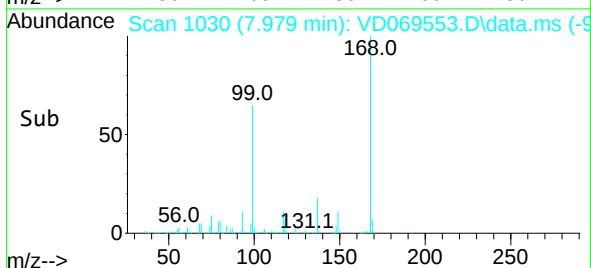
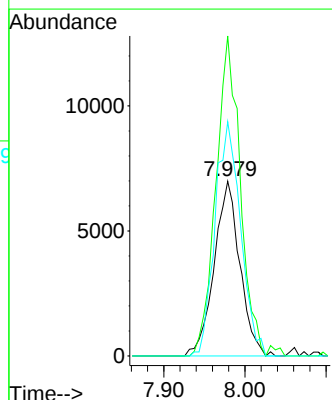
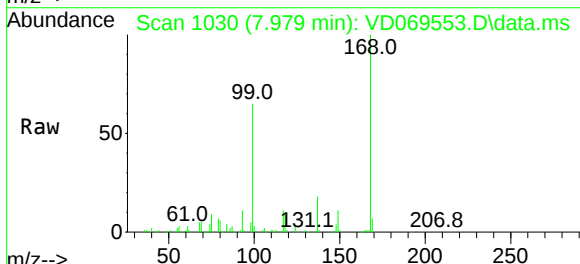
Instrument :
 MSVOA_D
 ClientSampleId :

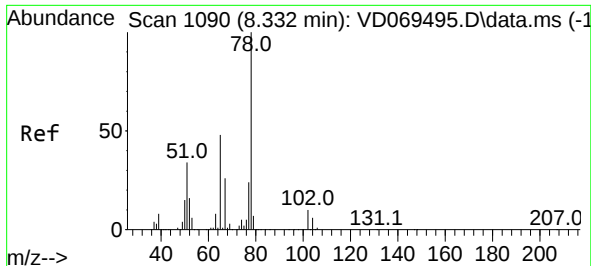
Tgt Ion: 43 Resp: 198
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.608 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069553.D
 Acq: 23 Jun 2021 19:03

Tgt Ion: 56 Resp: 15327
 Ion Ratio Lower Upper
 56 100
 69 183.1 28.0 42.0#
 84 134.1 75.7 113.5#

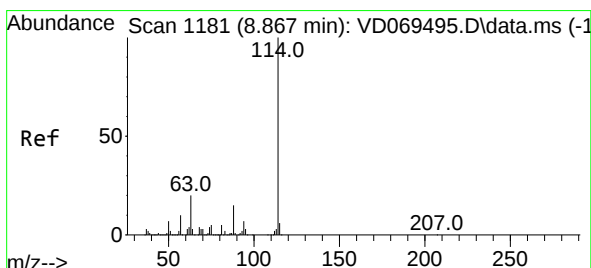
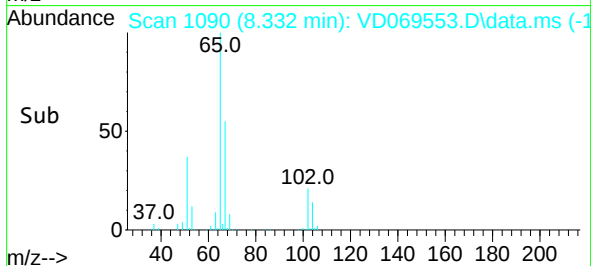
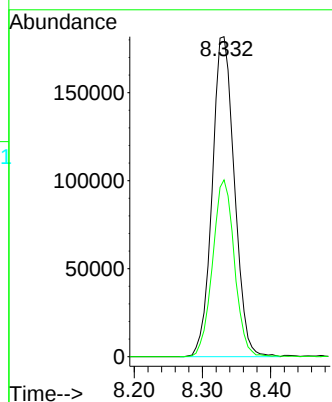
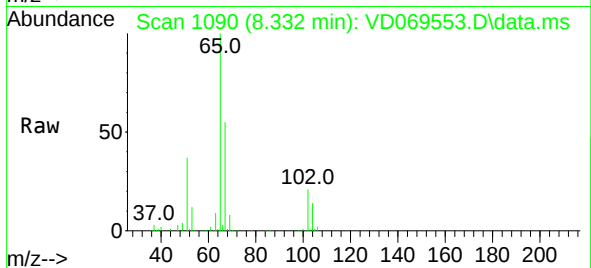




#33
1,2-Dichloroethane-d4
Concen: 58.223 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

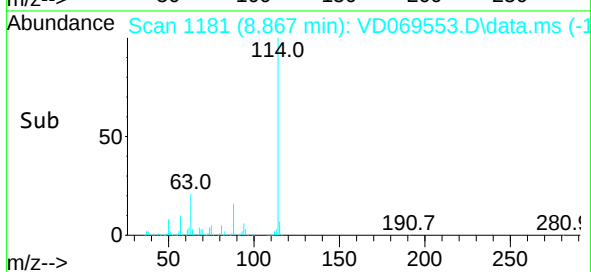
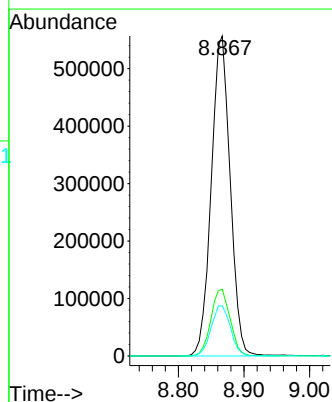
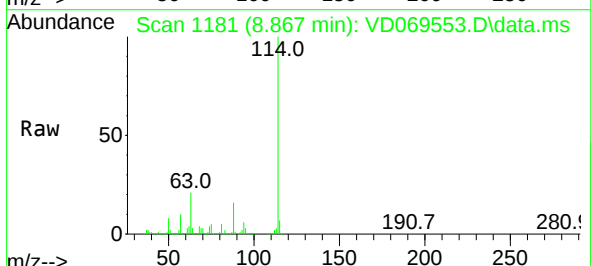
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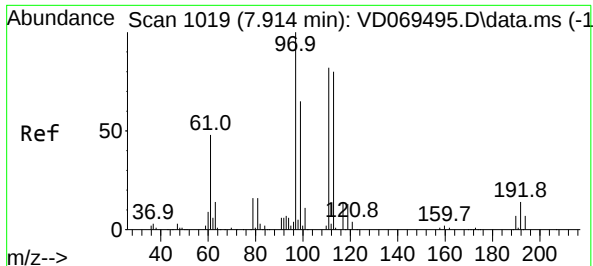
Tgt Ion: 65 Resp: 412076
Ion Ratio Lower Upper
65 100
67 54.5 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion: 114 Resp: 1115305
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.6
88 15.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.815 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069553.D

Acq: 23 Jun 2021 19:03

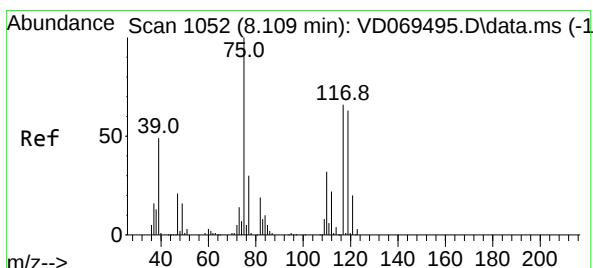
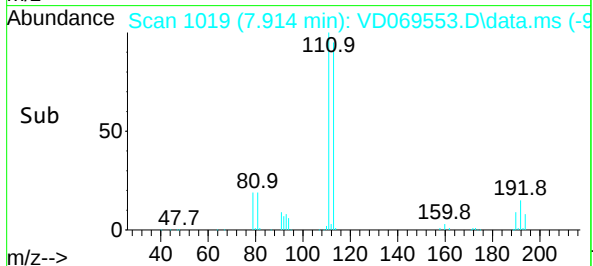
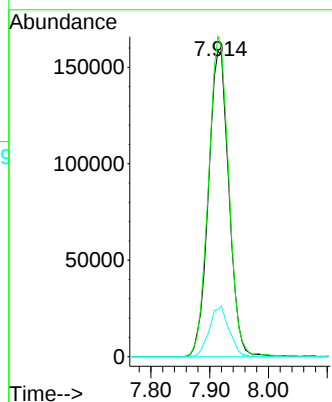
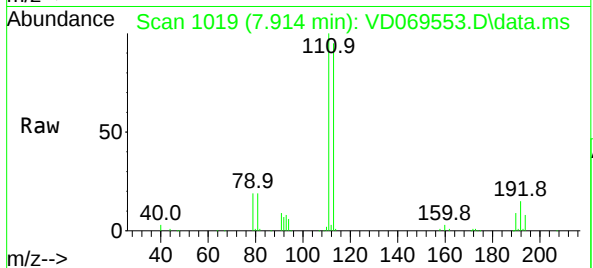
Tgt Ion:113 Resp: 383108

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.8

192 16.0 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.977 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.124 min

Lab File: VD069553.D

Acq: 23 Jun 2021 19:03

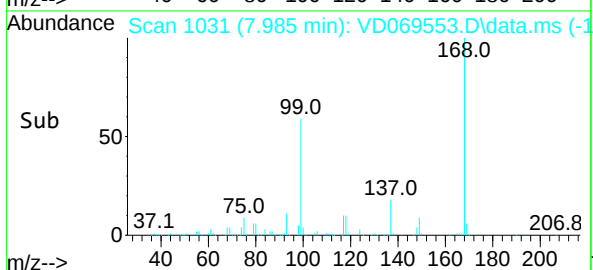
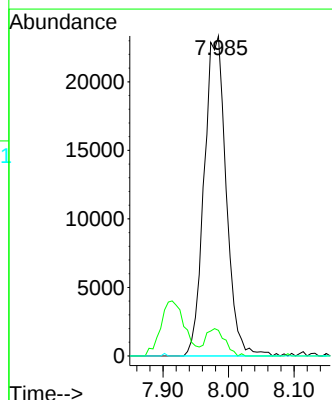
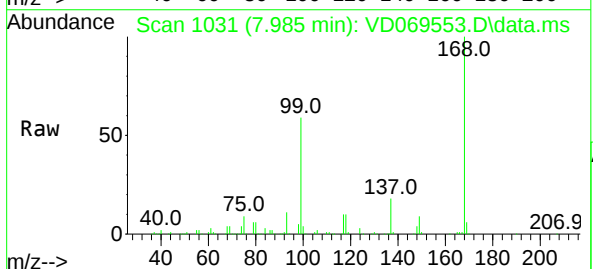
Tgt Ion: 75 Resp: 54476

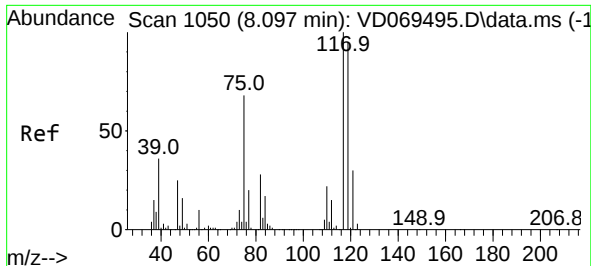
Ion Ratio Lower Upper

75 100

110 7.5 16.8 50.4#

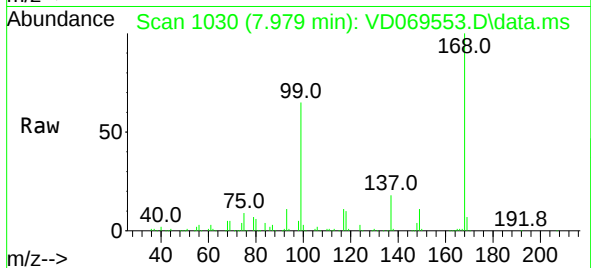
77 0.0 24.3 36.5#



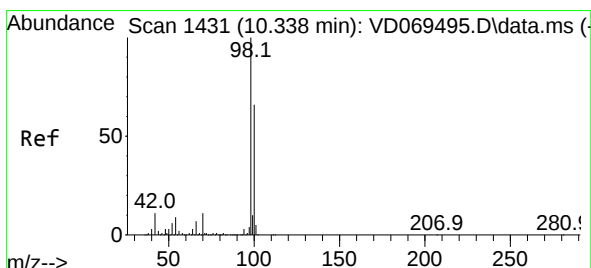
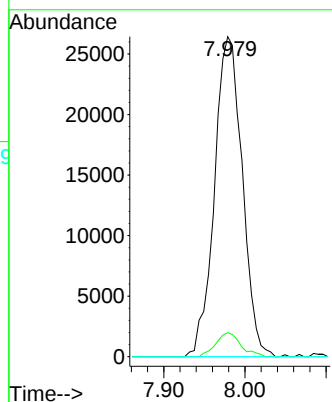
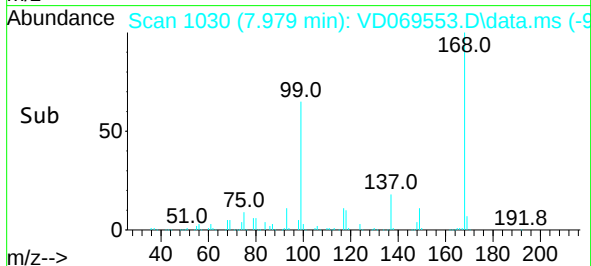


#38
Carbon Tetrachloride
Concen: 5.803 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

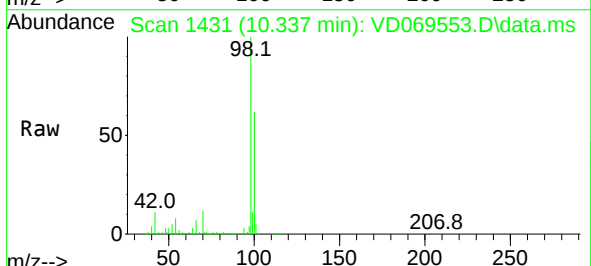
Instrument :
MSVOA_D
ClientSampleId :



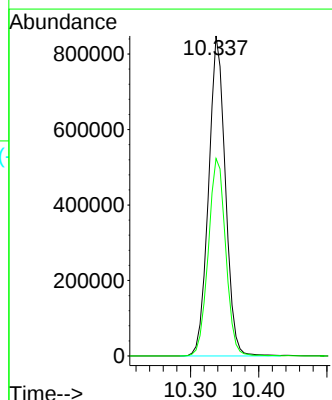
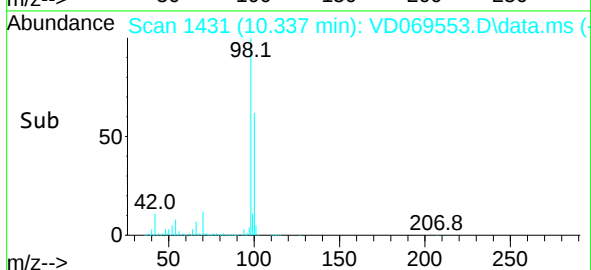
Tgt Ion:117 Resp: 62869
Ion Ratio Lower Upper
117 100
119 7.5 75.6 113.4#
121 0.0 23.8 35.8#

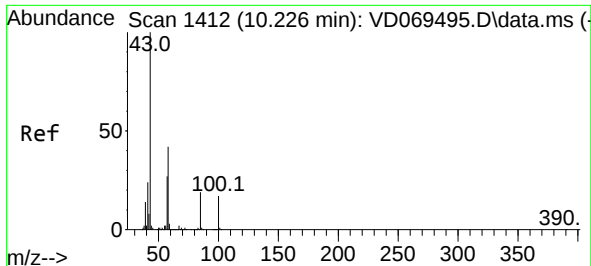


#50
Toluene-d8
Concen: 51.319 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03



Tgt Ion: 98 Resp: 1451252
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5

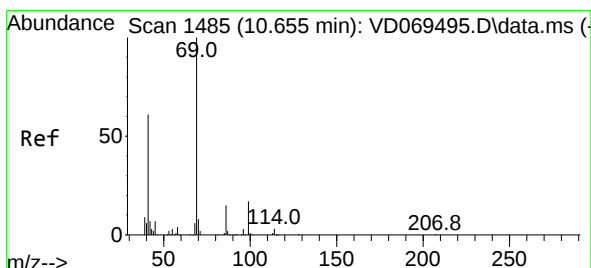
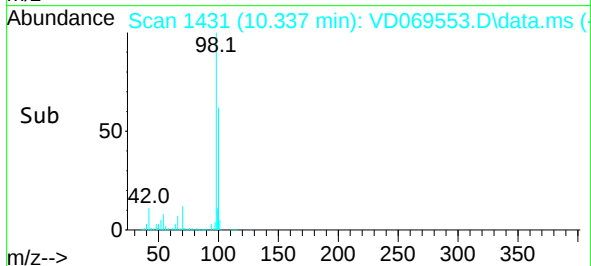
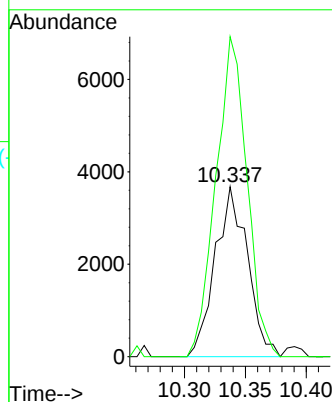
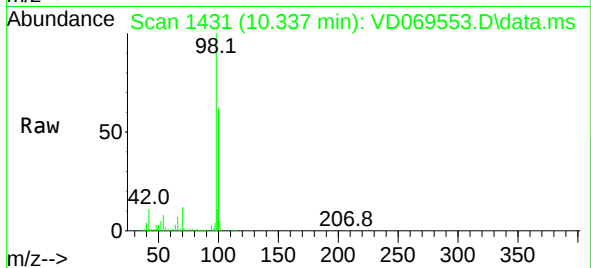




#51
4-Methyl-2-Pentanone
Concen: 1.746 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

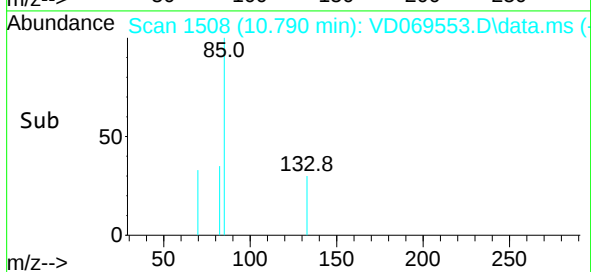
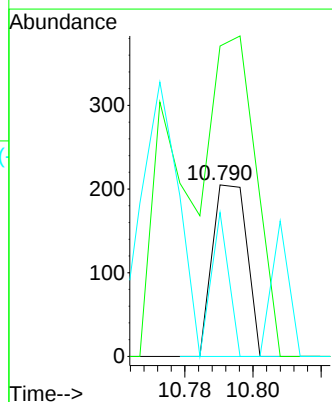
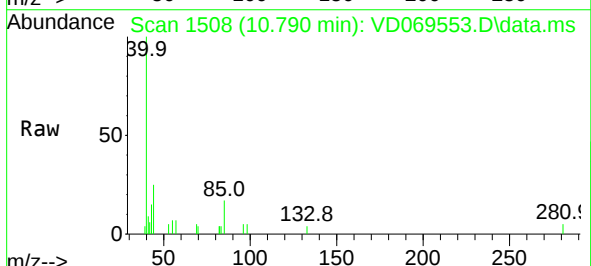
Instrument :
MSVOA_D
ClientSampleId :

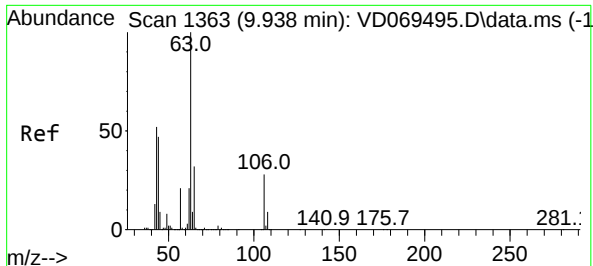
Tgt Ion: 43 Resp: 6776
Ion Ratio Lower Upper
43 100
58 181.9 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.601 ug/l
RT: 10.790 min Scan# 1508
Delta R.T. 0.135 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion: 69 Resp: 144
Ion Ratio Lower Upper
69 100
41 397.2 49.4 74.0#
39 0.0 26.9 40.3#

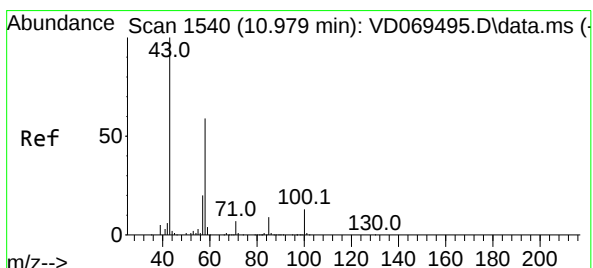
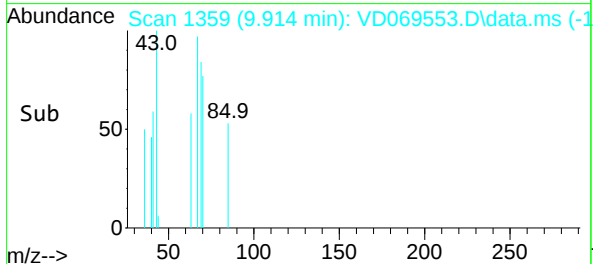
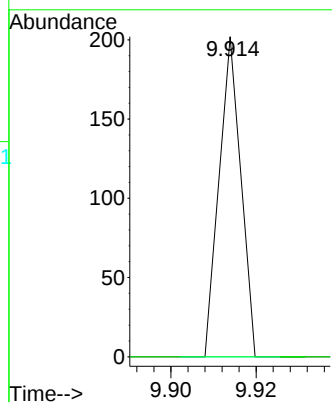
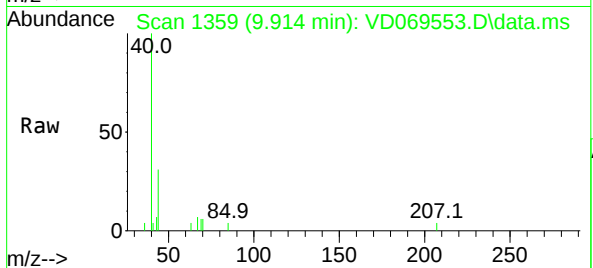




#58
2-Chloroethyl Vinyl ether
Concen: 10.619 ug/l
RT: 9.914 min Scan# 1359
Delta R.T. -0.024 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

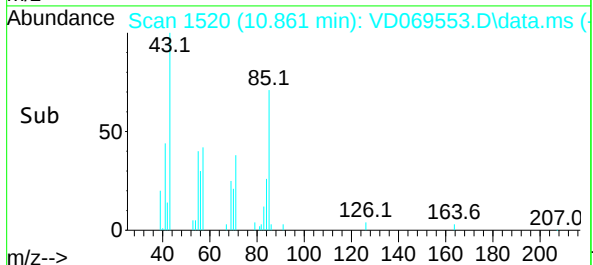
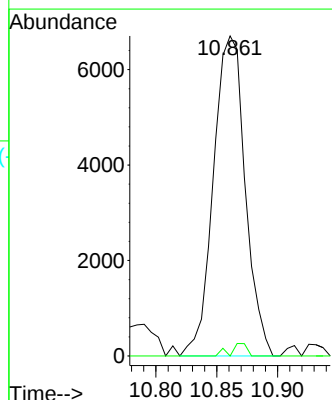
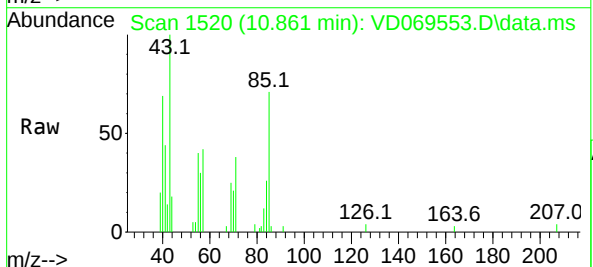
Instrument :
MSVOA_D
ClientSampled :

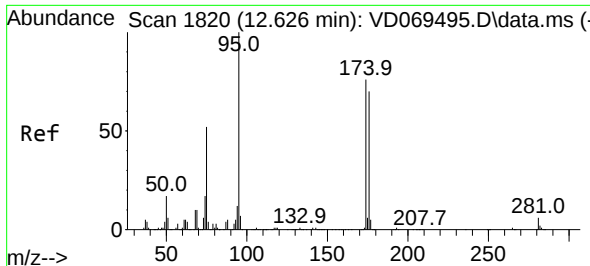
Tgt Ion: 63 Resp: 71
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#59
2-Hexanone
Concen: 4.655 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. -0.118 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion: 43 Resp: 12190
Ion Ratio Lower Upper
43 100
58 2.0 28.7 86.3#

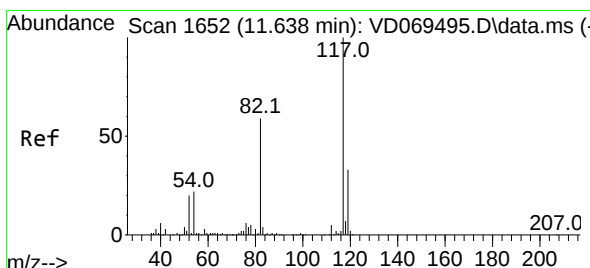
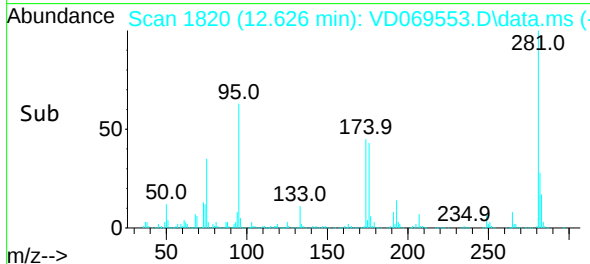
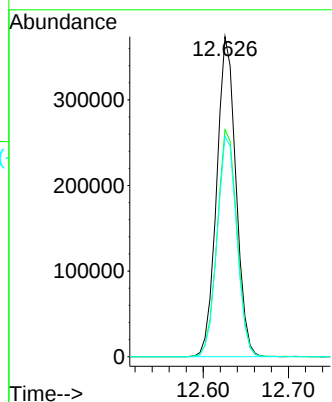
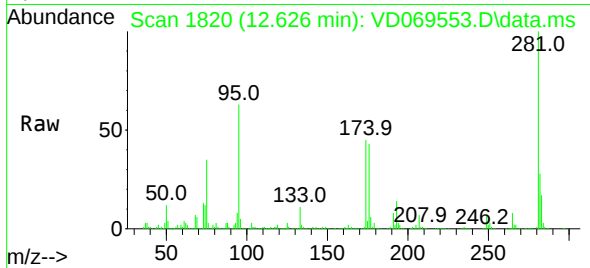




#62
4-Bromofluorobenzene
Concen: 63.084 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

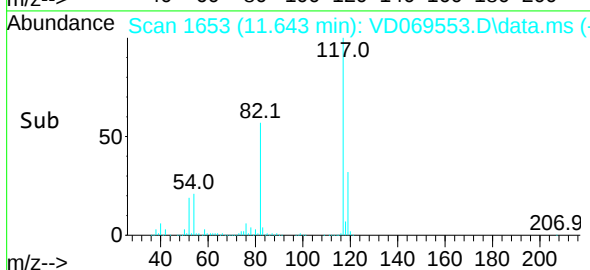
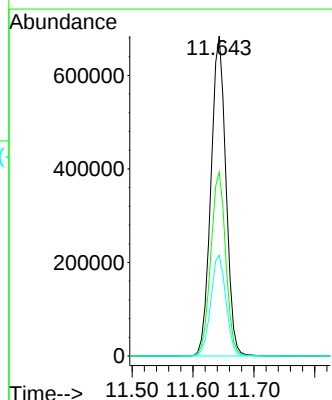
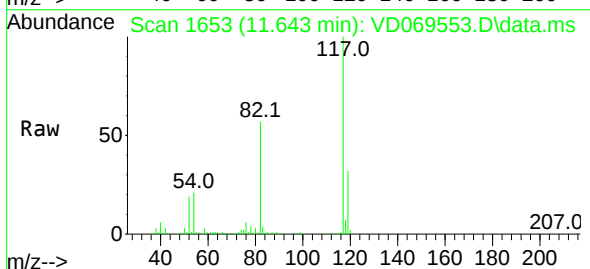
Instrument :
MSVOA_D
ClientSampleId :

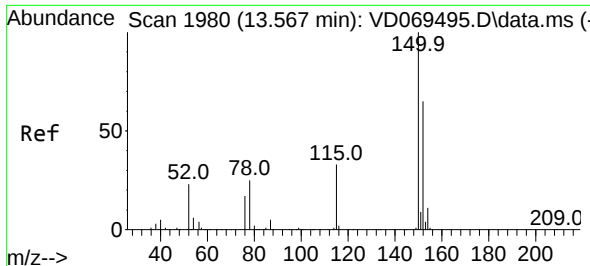
Tgt Ion: 95 Resp: 586492
Ion Ratio Lower Upper
95 100
174 73.0 0.0 148.0
176 70.5 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Tgt Ion:117 Resp: 1168248
Ion Ratio Lower Upper
117 100
82 57.4 46.8 70.2
119 31.5 26.2 39.2

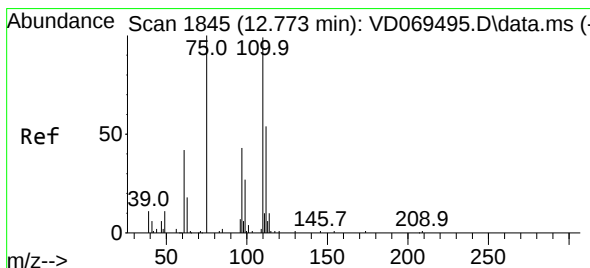
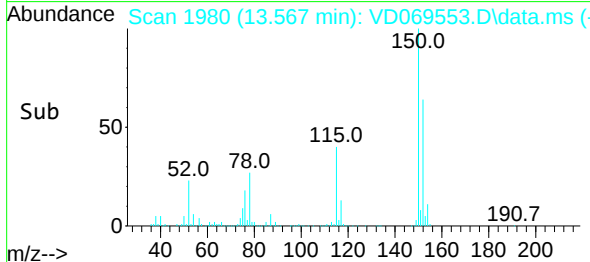
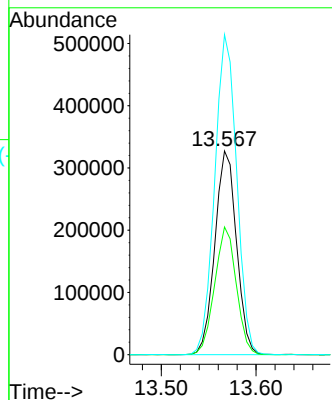
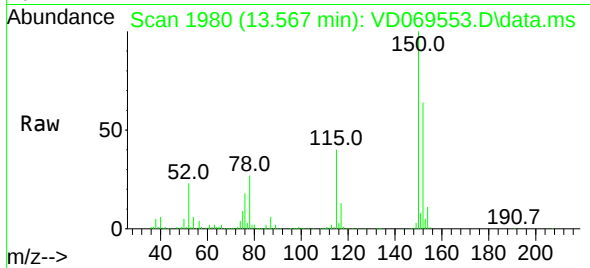




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

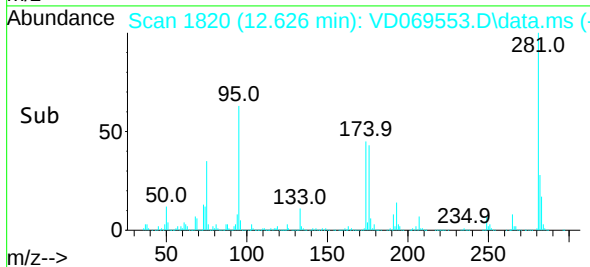
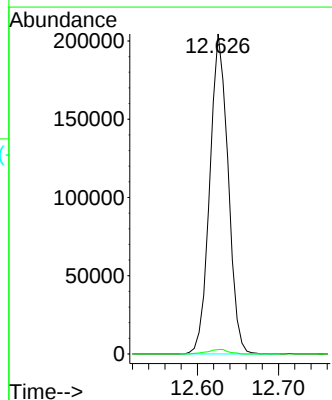
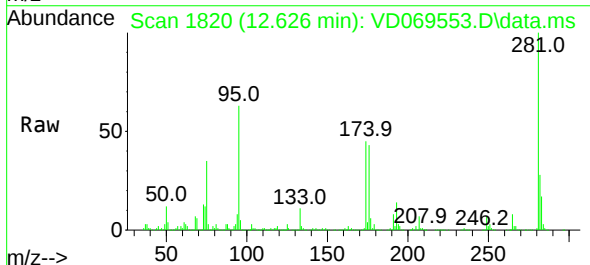
Instrument :
MSVOA_D
ClientSampleId :

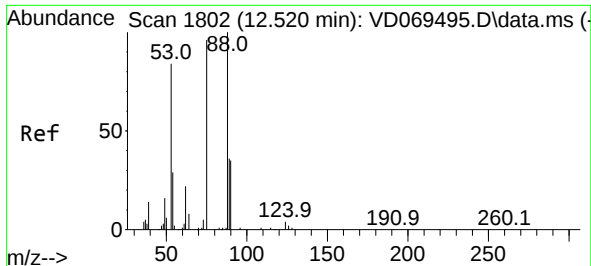
Tgt Ion:152 Resp: 520073
Ion Ratio Lower Upper
152 100
115 62.7 31.7 95.1
150 159.7 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 62.688 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

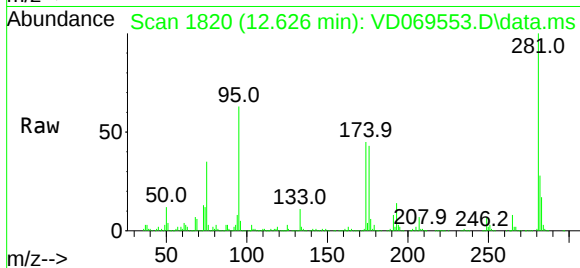
Tgt Ion: 75 Resp: 320035
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



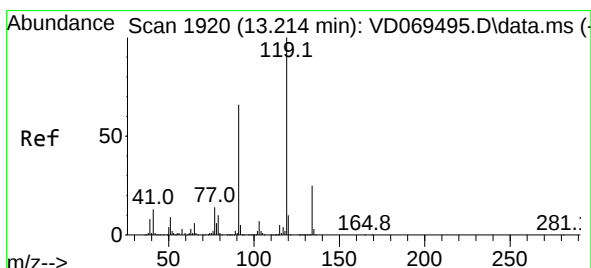
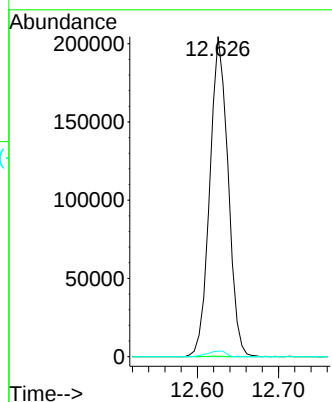
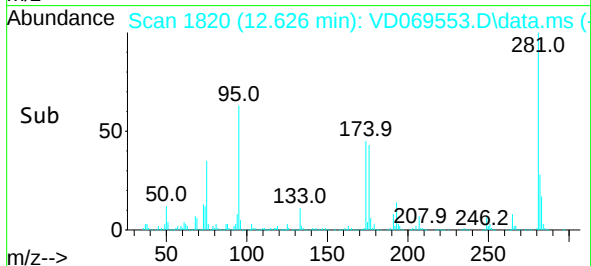


#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.524 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069553.D
 Acq: 23 Jun 2021 19:03

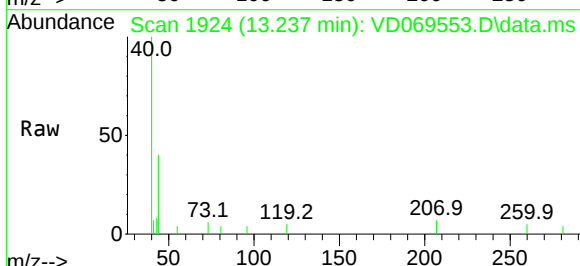
Instrument :
 MSVOA_D
 ClientSampleId :



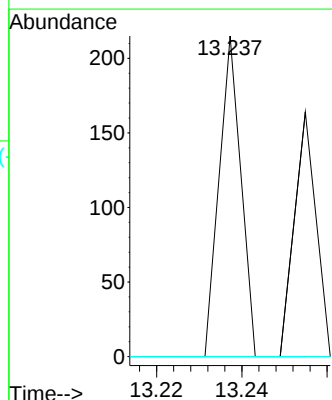
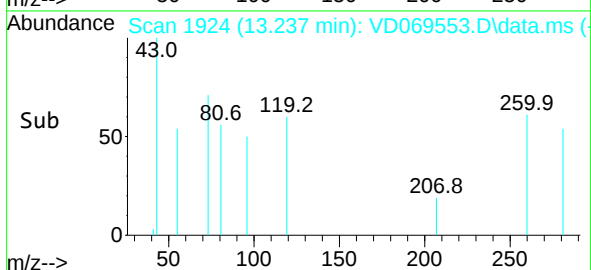
Tgt Ion: 75 Resp: 320035
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 1.8 35.3 52.9#

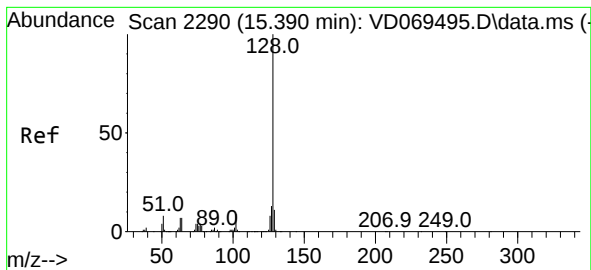


#83
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 13.237 min Scan# 1924
 Delta R.T. 0.023 min
 Lab File: VD069553.D
 Acq: 23 Jun 2021 19:03



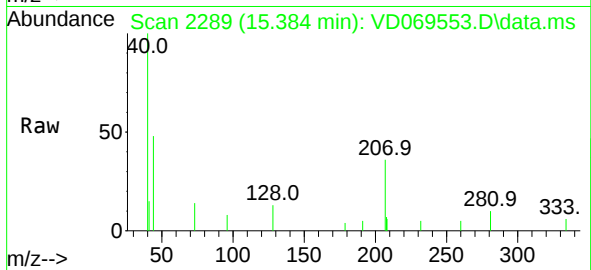
Tgt Ion: 119 Resp: 76
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.405 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069553.D
Acq: 23 Jun 2021 19:03

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 877
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

