

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069529.D
 Acq On : 22 Jun 2021 21:21
 Operator : VA/SY
 Sample : M2795-04
 Misc : 9.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:32:15 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)

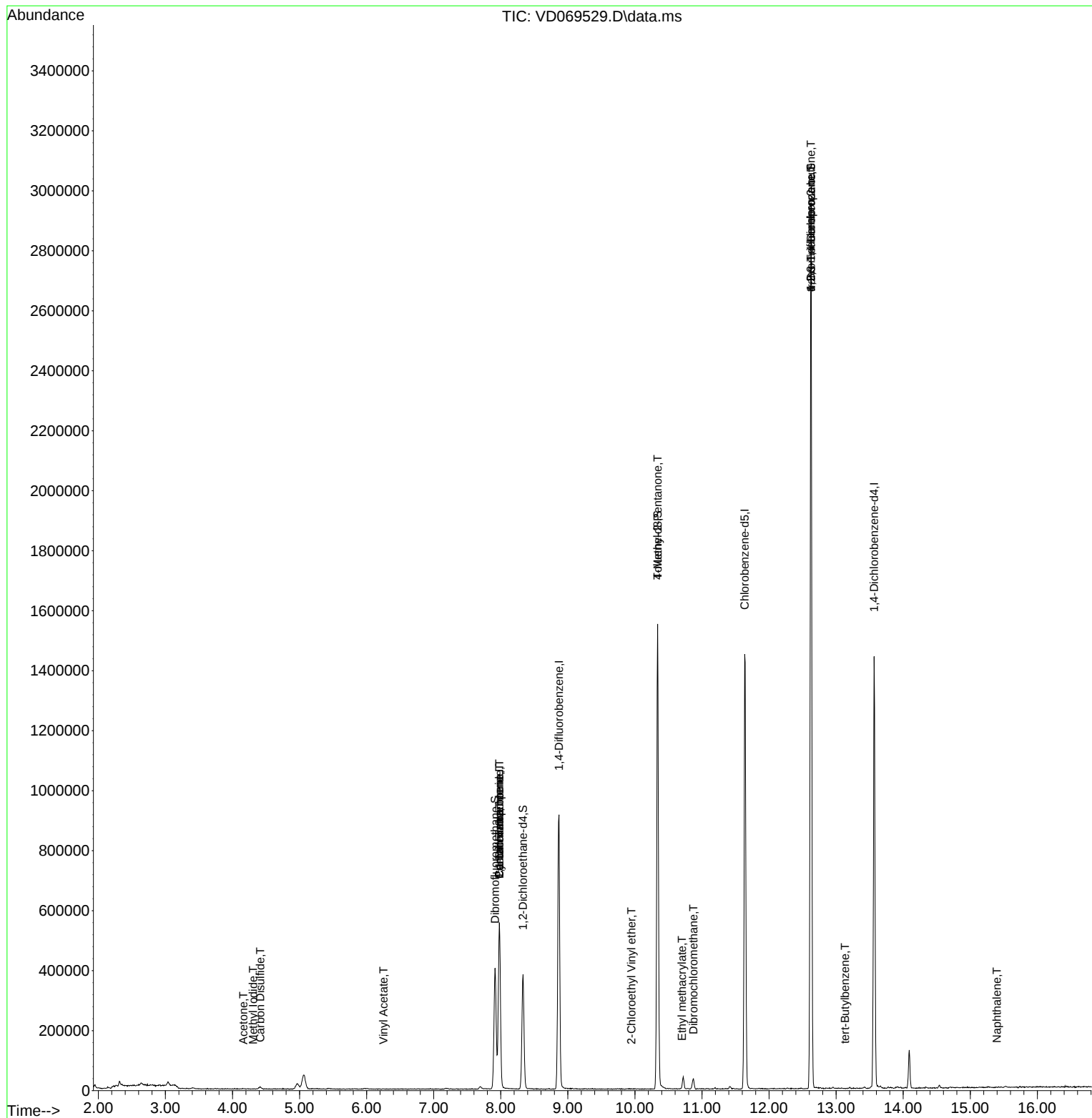
Internal Standards						
1) Pentafluorobenzene	7.979	168	383762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	770813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	836646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	362660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	301607	63.051	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.100%
35) Dibromofluoromethane	7.914	113	289141	55.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.980%
50) Toluene-d8	10.338	98	1021015	52.241	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.626	95	422592	65.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	131.540%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1047	Below Cal	#	79
10) Methyl Iodide	4.308	142	467	4.047	ug/l #	39
11) Tert butyl alcohol	5.208	59	908	Below Cal	#	83
16) Acetone	4.161	43	1630	2.024	ug/l #	77
17) Carbon Disulfide	4.414	76	12956	1.038	ug/l #	91
18) Methyl Acetate	4.708	43	66	Below Cal	#	49
20) Methylene Chloride	4.961	84	13700	Below Cal		88
23) Vinyl Acetate	6.249	43	55	19.018	ug/l #	70
31) Cyclohexane	7.979	56	9637	1.496	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	36263	4.793	ug/l #	50
38) Carbon Tetrachloride	7.979	117	40660	5.431	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	4956	1.848	ug/l #	1
56) Ethyl methacrylate	10.702	69	120	2.605	ug/l #	45
58) 2-Chloroethyl Vinyl ether	9.949	63	61	10.623	ug/l #	47
60) Dibromochloromethane	10.873	129	5756	1.179	ug/l #	10
76) 1,2,3-Trichloropropane	12.626	75	227725	63.968	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	227725	159.720	ug/l #	14
83) tert-Butylbenzene	13.131	119	55	1.995	ug/l #	27
95) Naphthalene	15.396	128	260	3.376	ug/l #	73

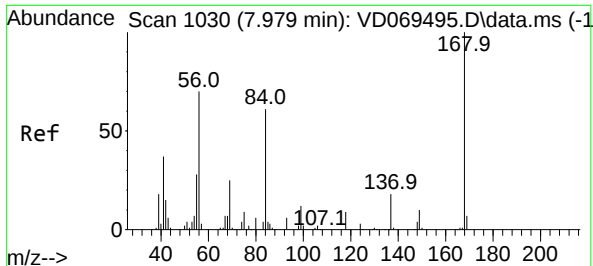
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 04:32:15 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

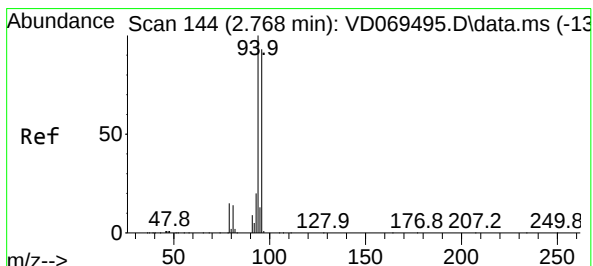
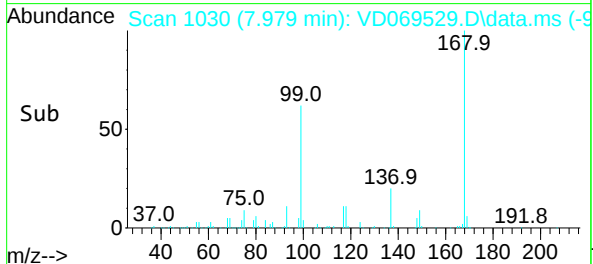
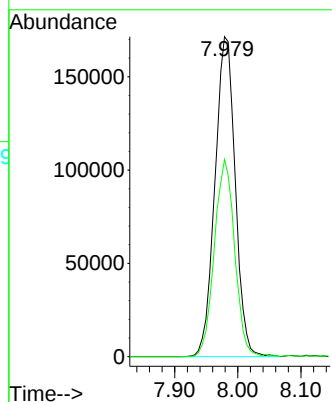
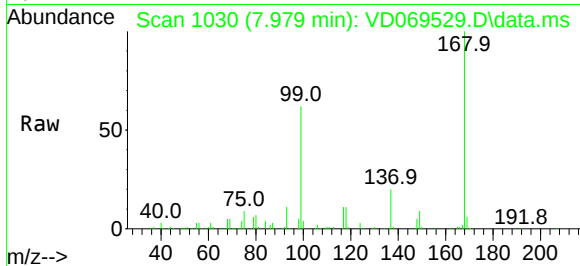




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

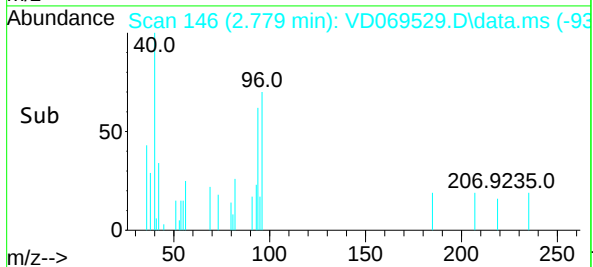
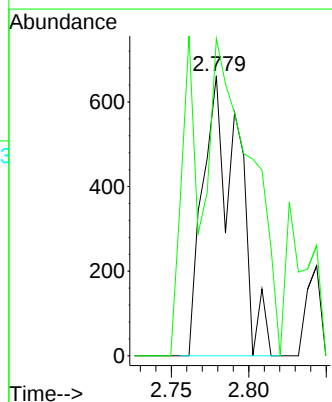
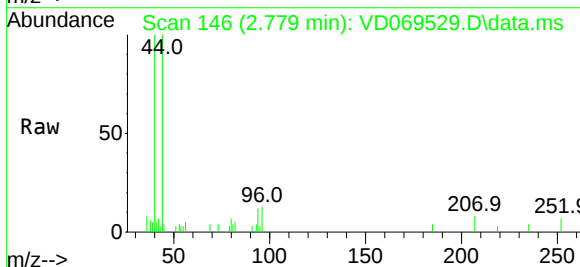
Instrument :
MSVOA_D
ClientSampleId :

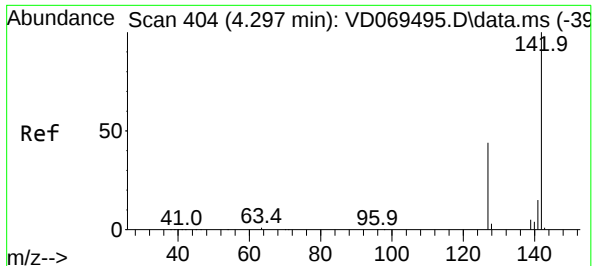
Tgt Ion:168 Resp: 383762
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

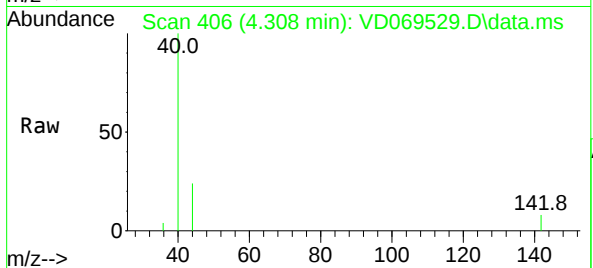
Tgt Ion: 94 Resp: 1047
Ion Ratio Lower Upper
94 100
96 113.3 74.6 111.8#



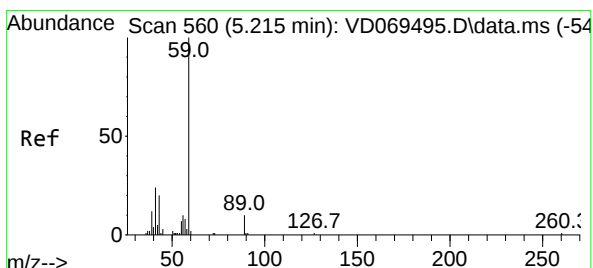
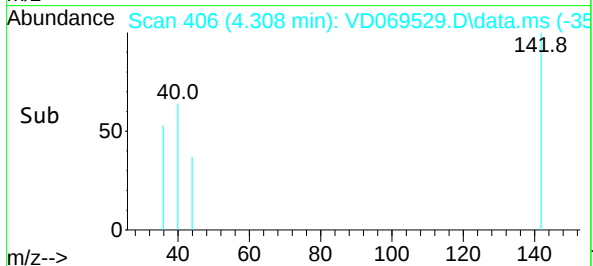
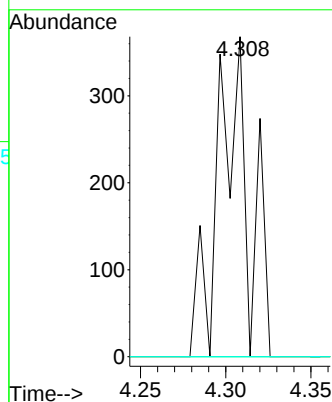


#10
Methyl Iodide
Concen: 4.047 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Instrument :
MSVOA_D
ClientSampled :

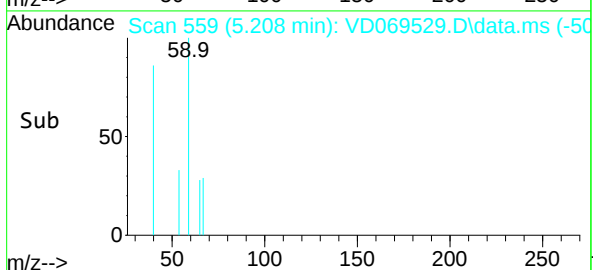
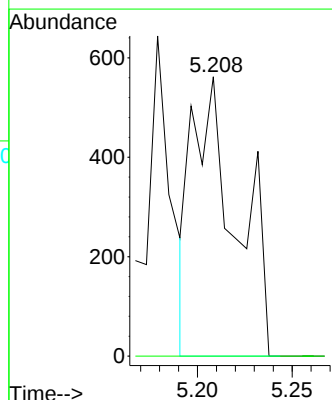
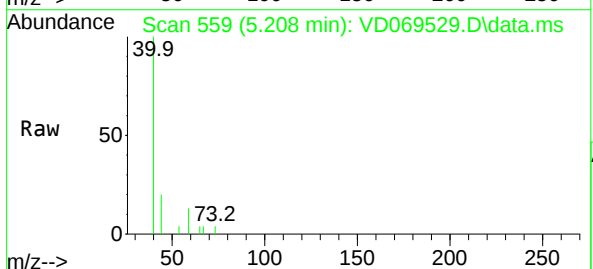


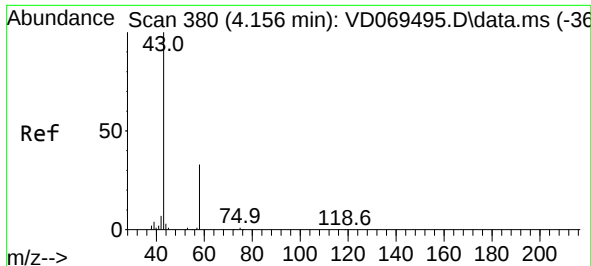
Tgt Ion:142 Resp: 467
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.007 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 59 Resp: 908
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

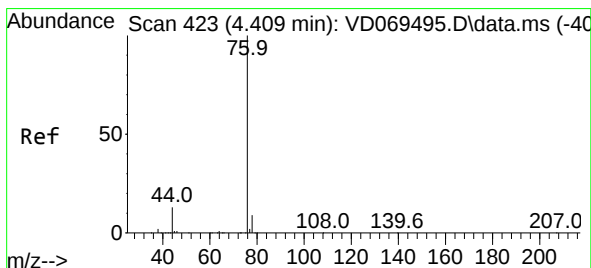
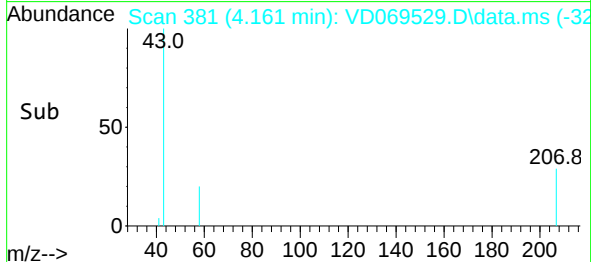
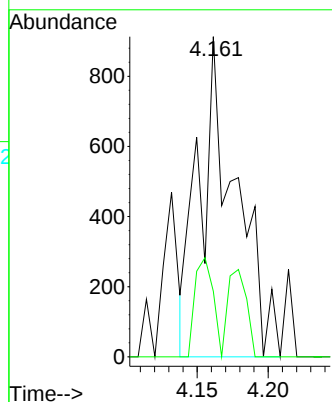
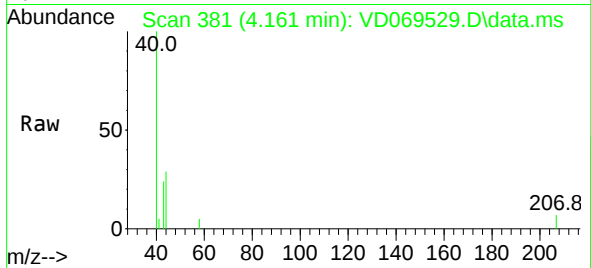




#16
Acetone
Concen: 2.024 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

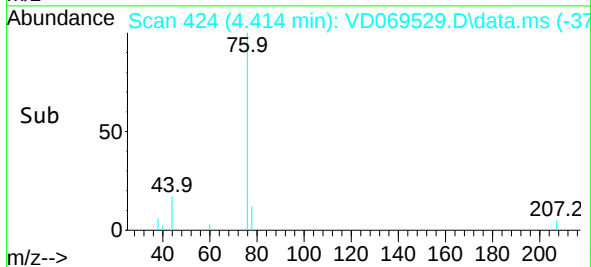
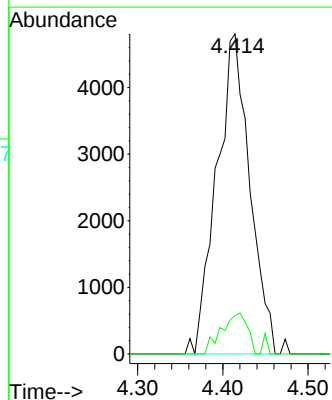
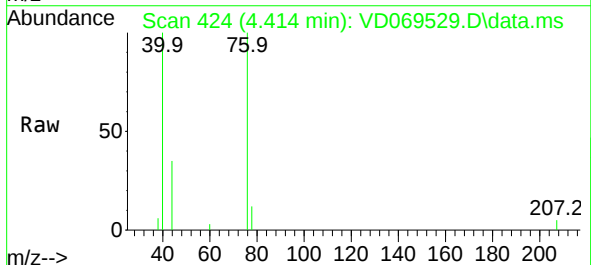
Instrument :
MSVOA_D
ClientSampleId :

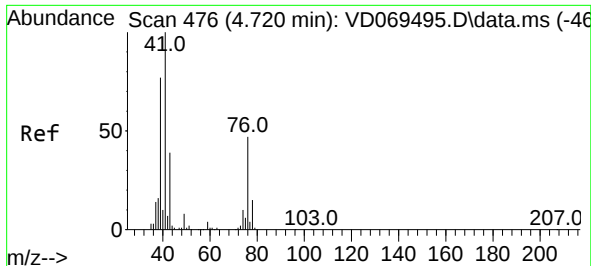
Tgt Ion: 43 Resp: 1630
Ion Ratio Lower Upper
43 100
58 20.5 26.8 40.2#



#17
Carbon Disulfide
Concen: 1.038 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 76 Resp: 12956
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.4#

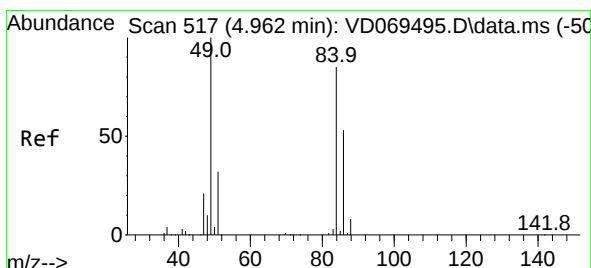
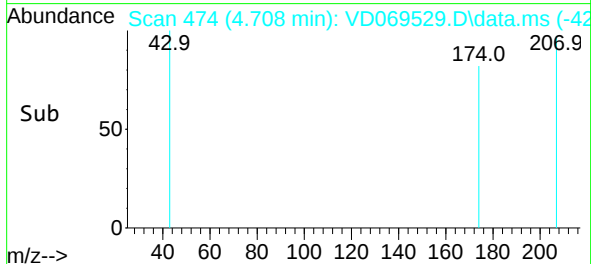
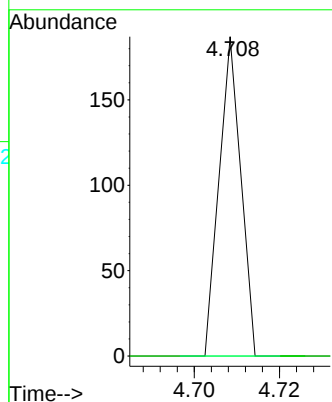
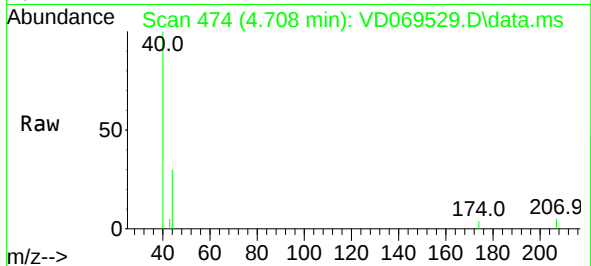




#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 474
Delta R.T. -0.012 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

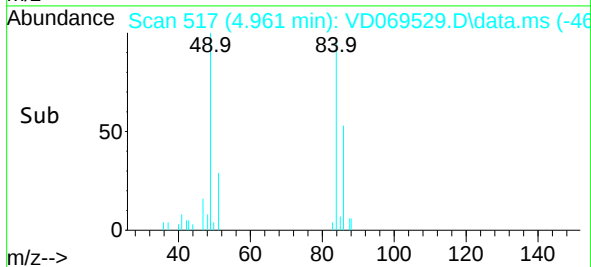
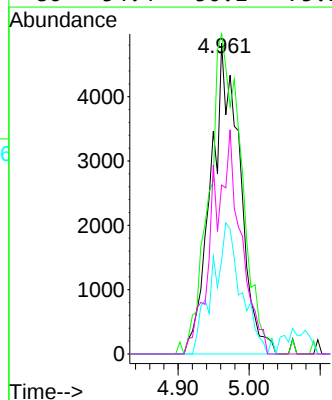
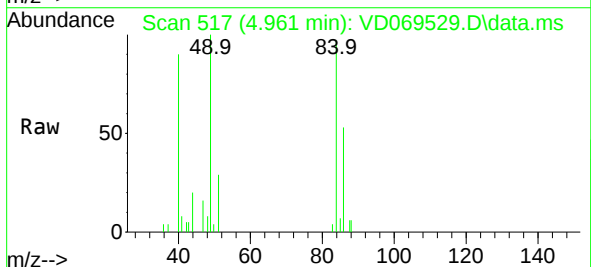
Instrument :
MSVOA_D
ClientSampleId :

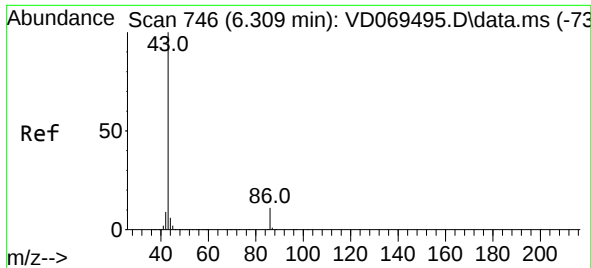
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 84 Resp: 13700
Ion Ratio Lower Upper
84 100
49 102.9 94.0 141.0
51 30.2 29.7 44.5
86 54.4 50.1 75.1

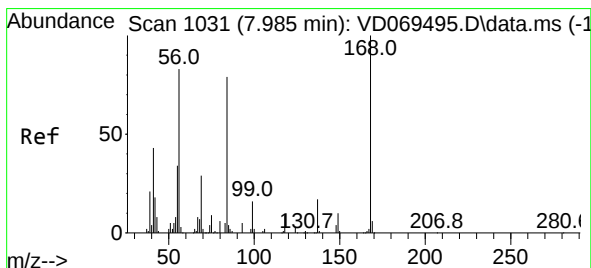
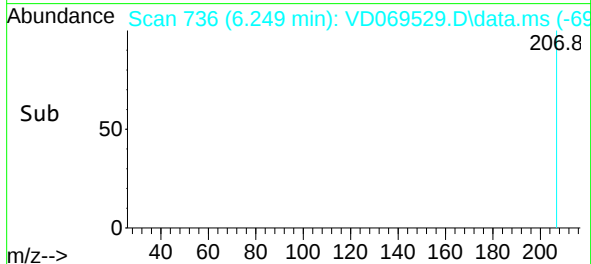
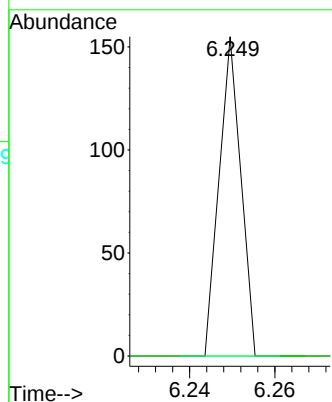
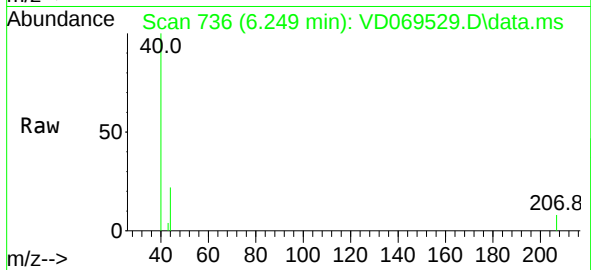




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.249 min Scan# 736
 Delta R.T. -0.060 min
 Lab File: VD069529.D
 Acq: 22 Jun 2021 21:21

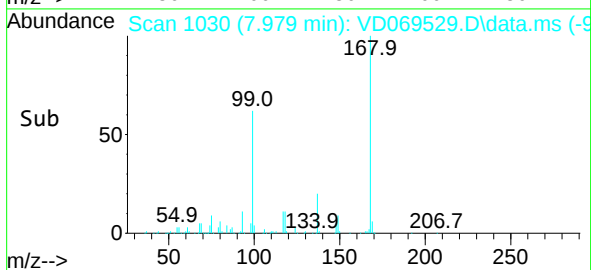
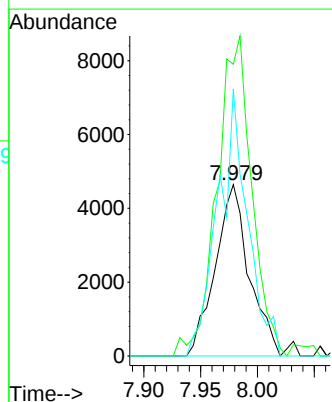
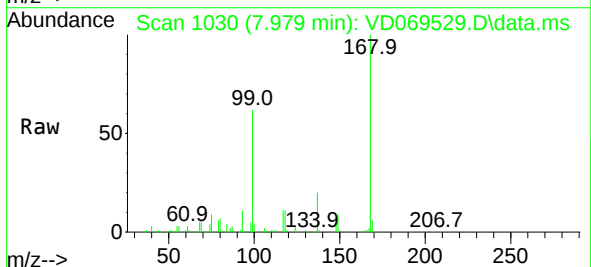
Instrument :
 MSVOA_D
 ClientSampleId :

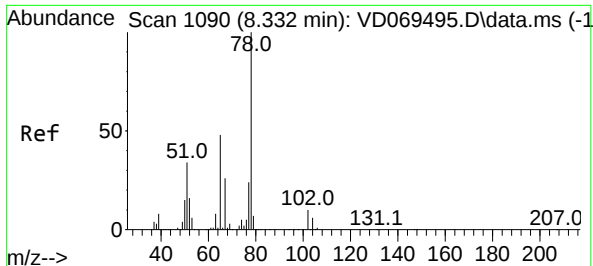
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.496 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069529.D
 Acq: 22 Jun 2021 21:21

Tgt Ion: 56 Resp: 9637
 Ion Ratio Lower Upper
 56 100
 69 165.4 28.0 42.0#
 84 155.7 75.7 113.5#

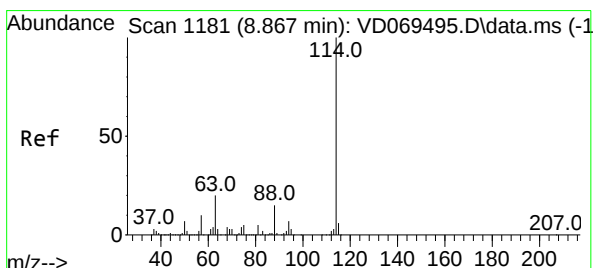
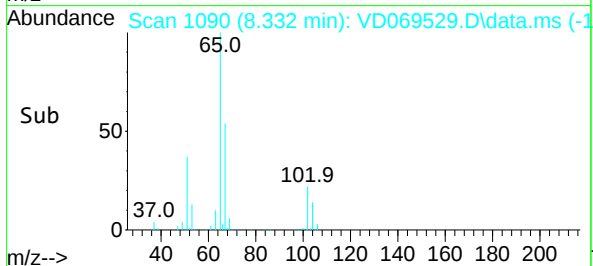
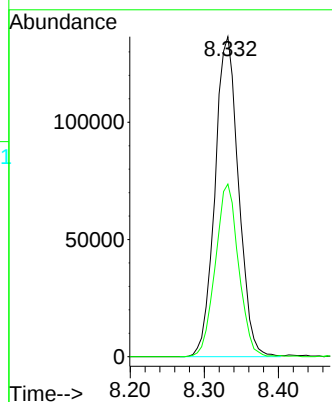
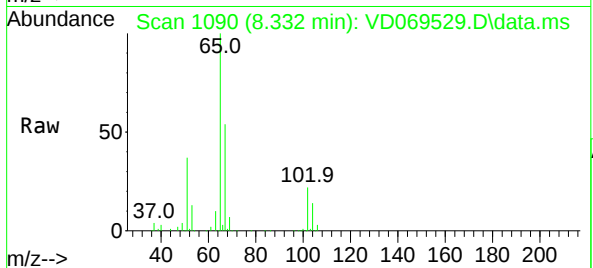




#33
1,2-Dichloroethane-d4
Concen: 63.051 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

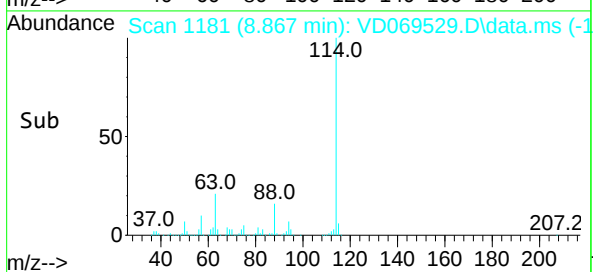
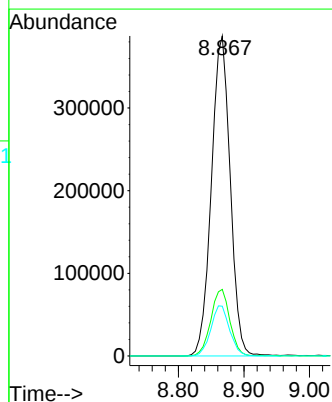
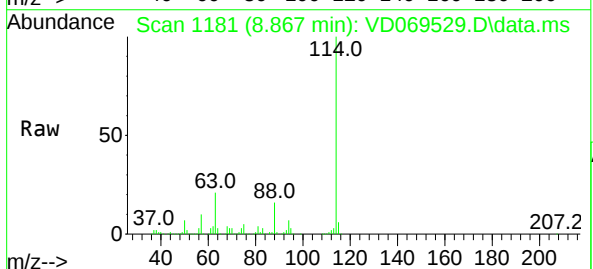
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MSVOA_D
ClientSampleId :

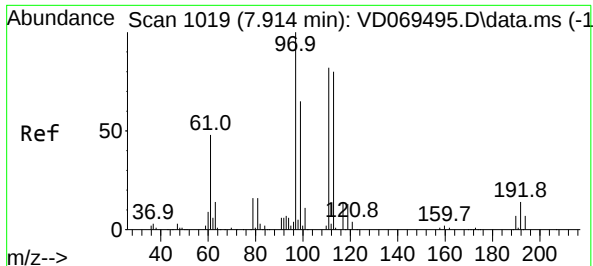
Tgt Ion: 65 Resp: 301607
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 114 Resp: 770813
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 15.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 55.491 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069529.D

Acq: 22 Jun 2021 21:21

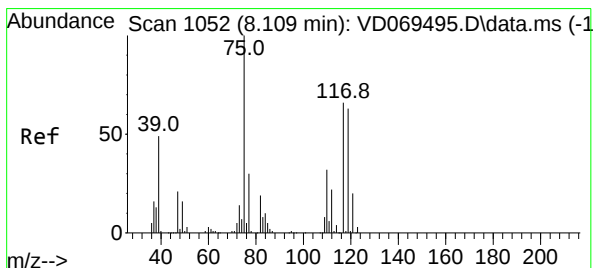
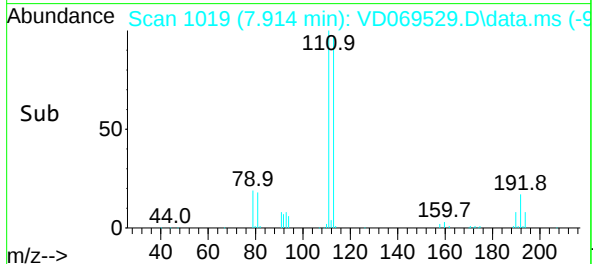
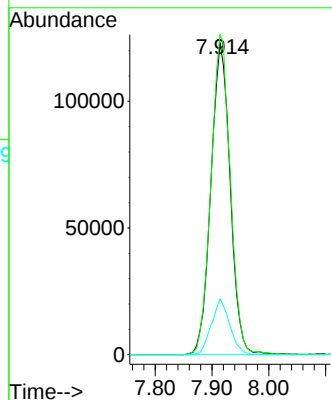
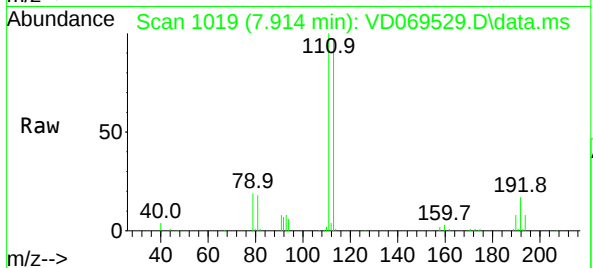
Tgt Ion:113 Resp: 289141

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 16.9 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.793 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069529.D

Acq: 22 Jun 2021 21:21

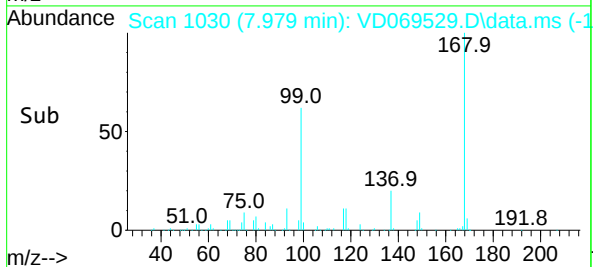
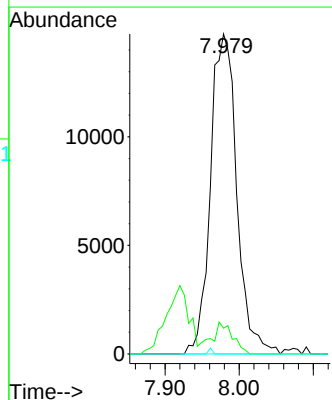
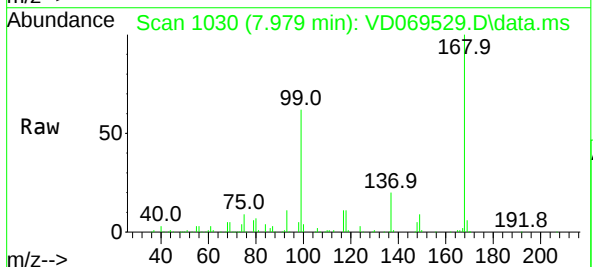
Tgt Ion: 75 Resp: 36263

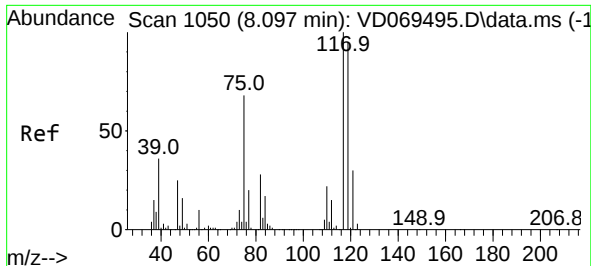
Ion Ratio Lower Upper

75 100

110 7.6 16.8 50.4#

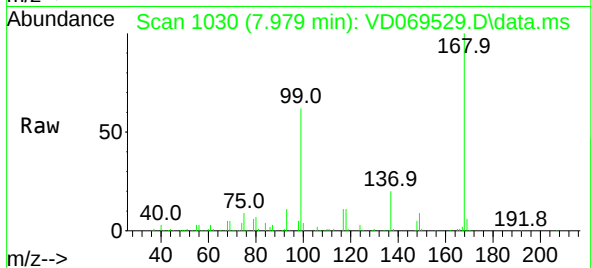
77 0.3 24.3 36.5#



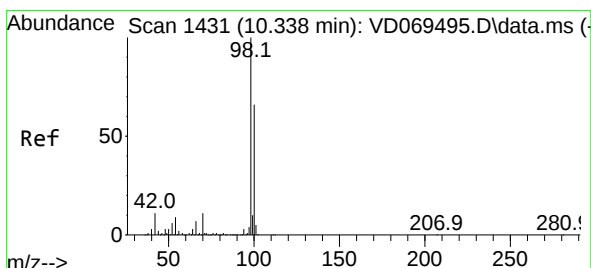
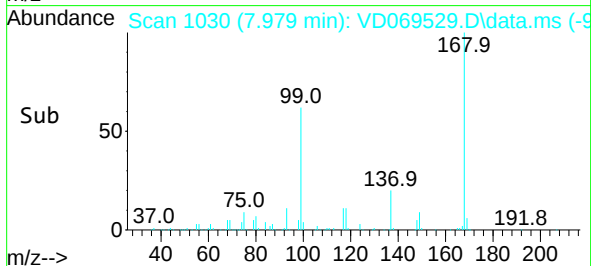
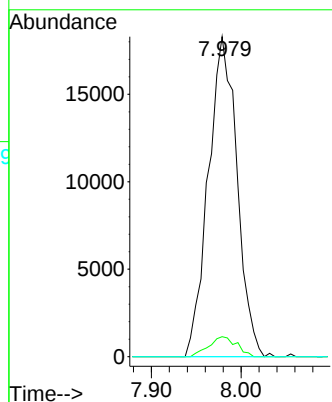


#38
Carbon Tetrachloride
Concen: 5.431 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Instrument :
MSVOA_D
ClientSampleId :

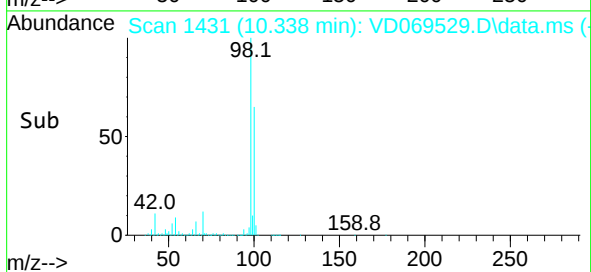
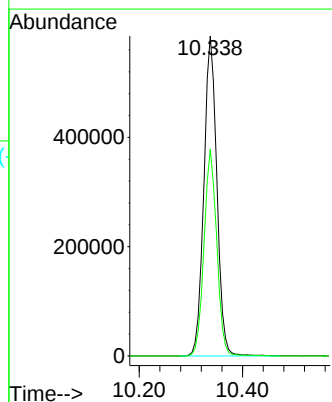
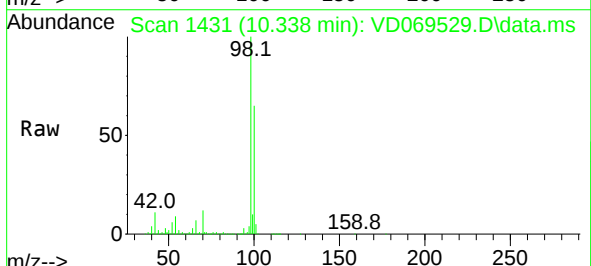


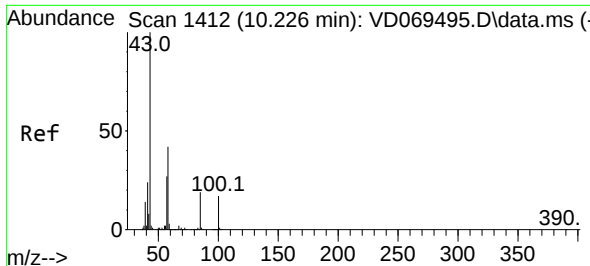
Tgt Ion:117 Resp: 40660
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.241 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 98 Resp: 1021015
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5

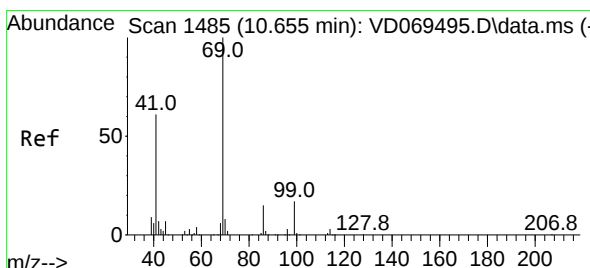
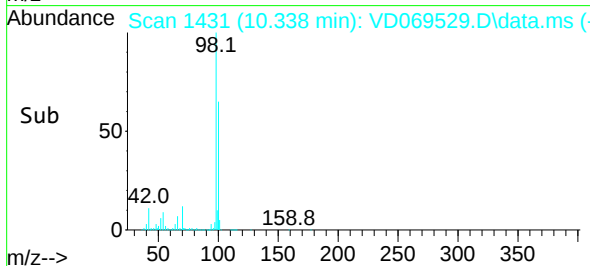
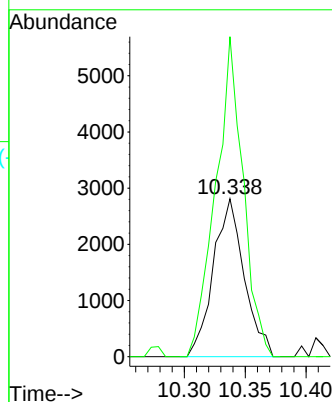
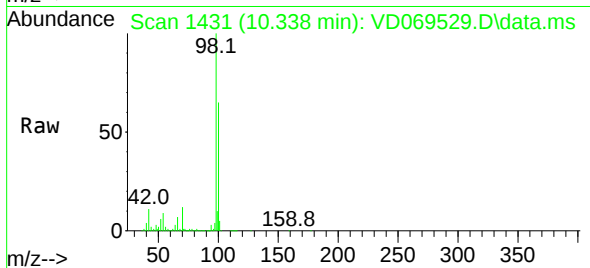




#51
4-Methyl-2-Pentanone
Concen: 1.848 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

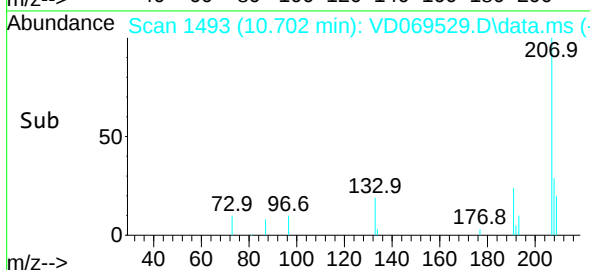
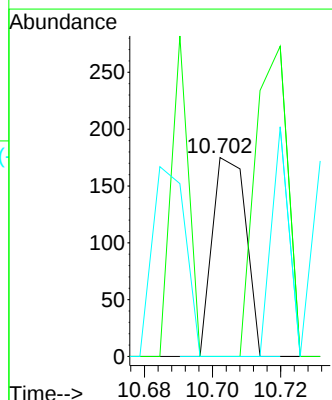
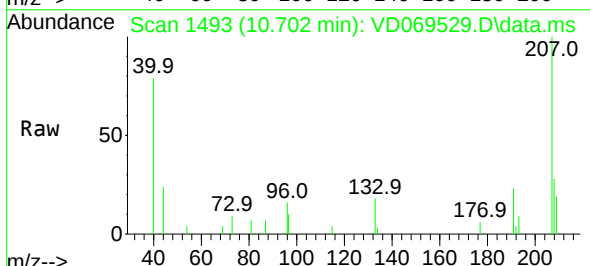
Instrument :
MSVOA_D
ClientSampled :

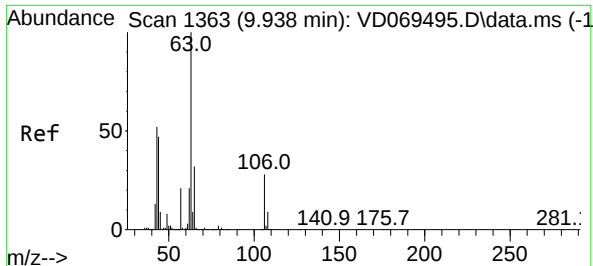
Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
58 180.7 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.605 ug/l
RT: 10.702 min Scan# 1493
Delta R.T. 0.047 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 82.5 49.4 74.0#
39 94.2 26.9 40.3#

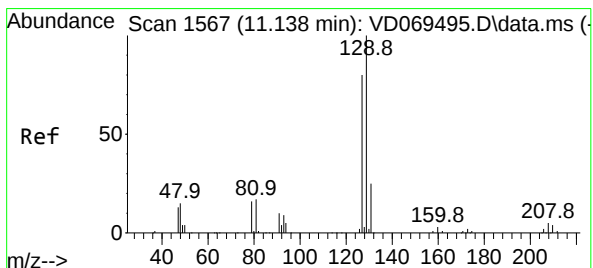
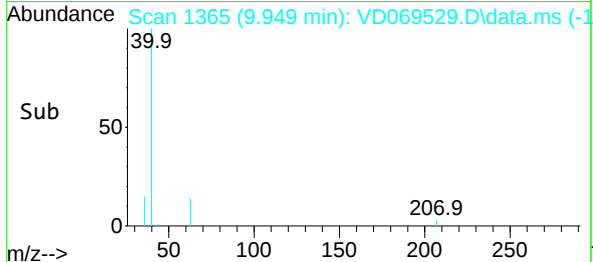
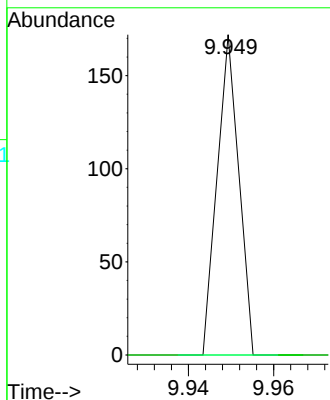
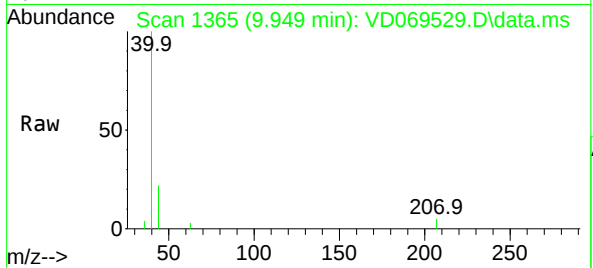




#58
2-Chloroethyl Vinyl ether
Concen: 10.623 ug/l
RT: 9.949 min Scan# 1365
Delta R.T. 0.011 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

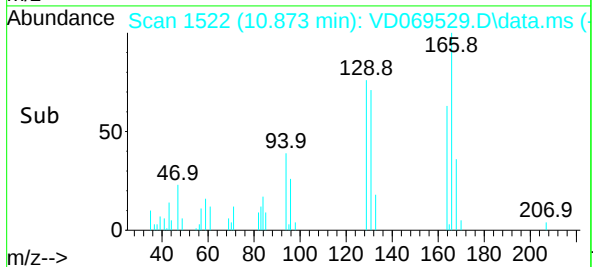
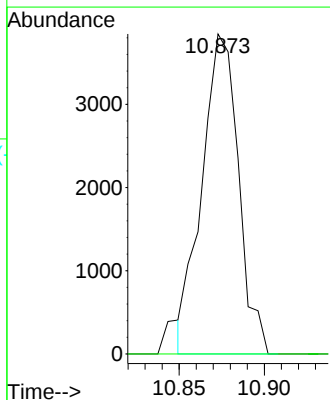
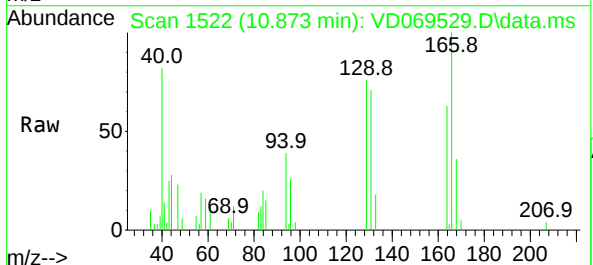
Instrument :
MSVOA_D
ClientSampled :

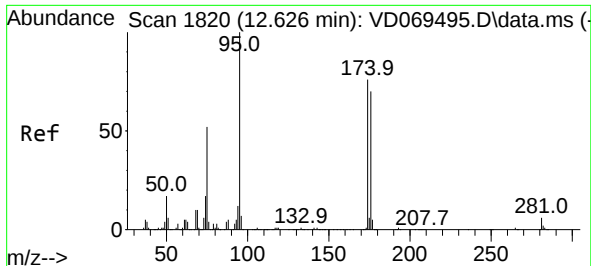
Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#60
Dibromochloromethane
Concen: 1.179 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.265 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 129 Resp: 5756
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

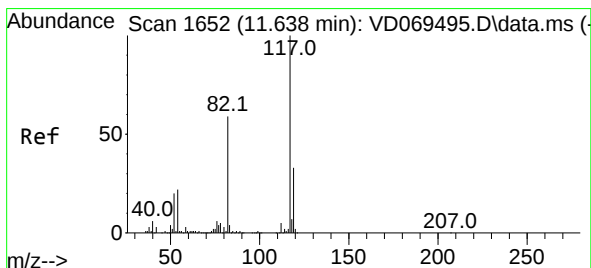
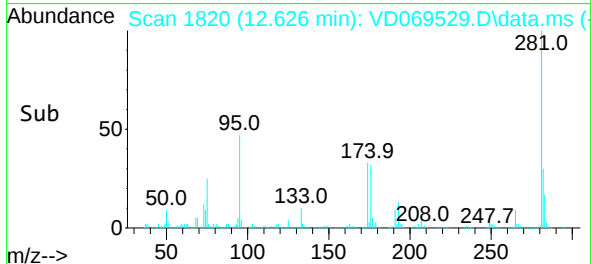
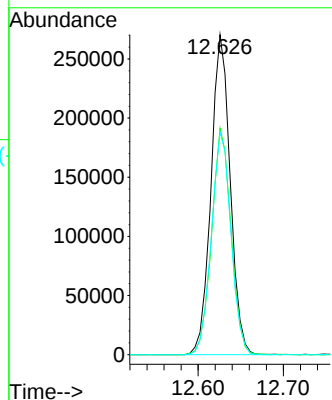
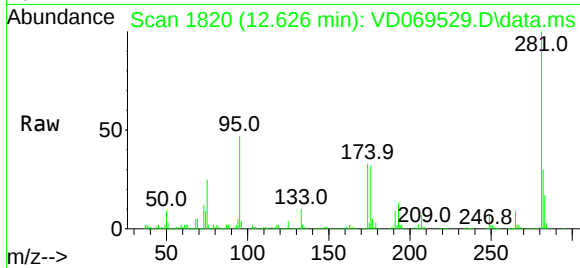




#62
4-Bromofluorobenzene
Concen: 65.770 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

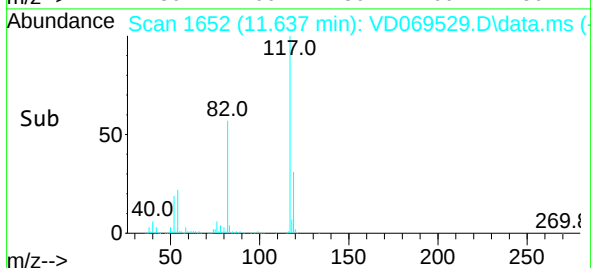
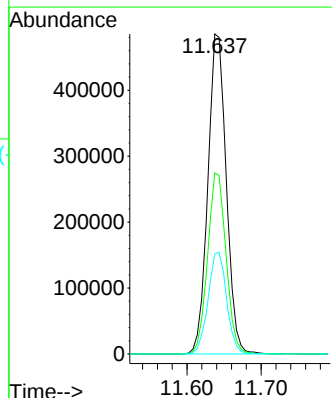
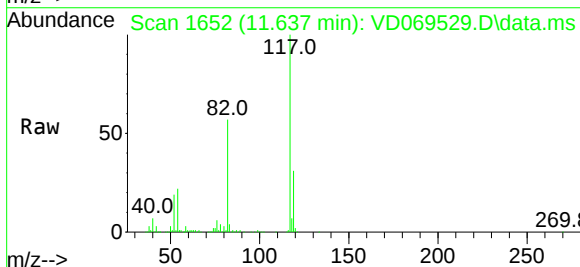
Instrument :
MSVOA_D
ClientSampleId :

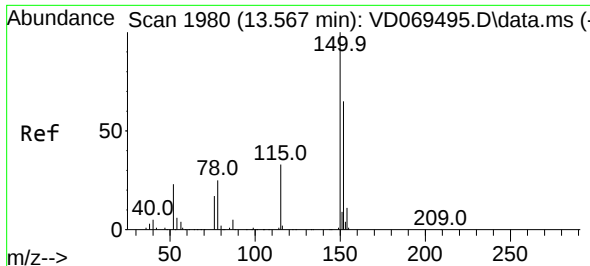
Tgt Ion: 95 Resp: 422592
Ion Ratio Lower Upper
95 100
174 71.6 0.0 148.0
176 70.8 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 117 Resp: 836646
Ion Ratio Lower Upper
117 100
82 56.5 46.8 70.2
119 31.2 26.2 39.2

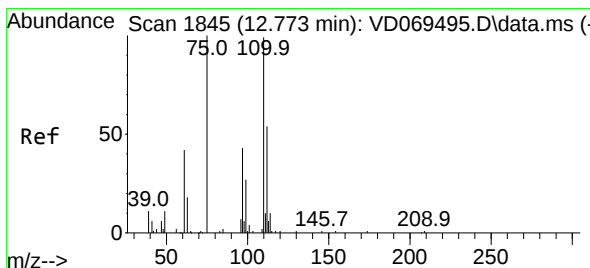
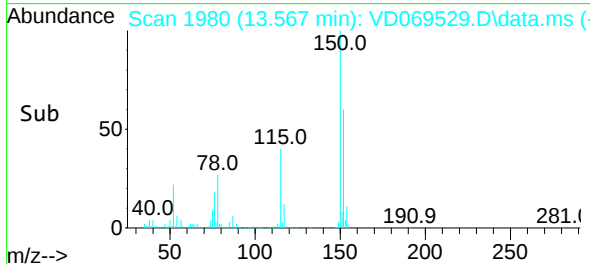
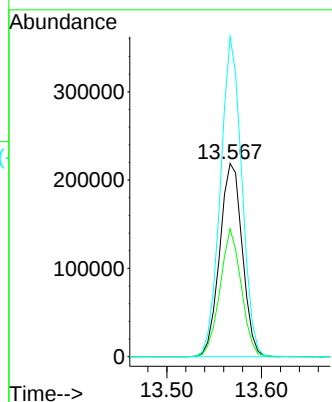
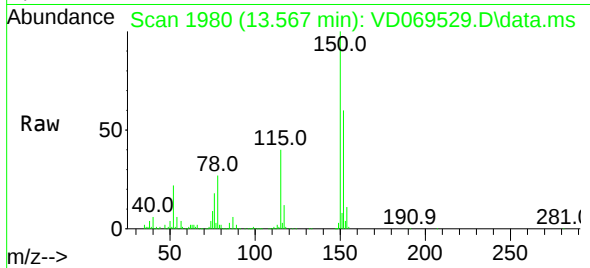




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

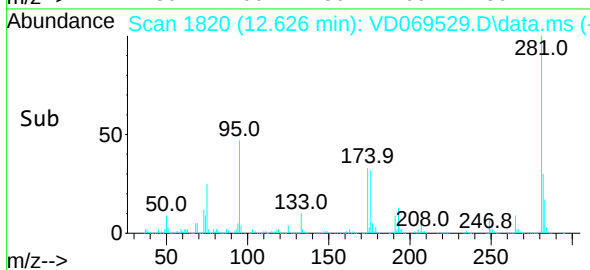
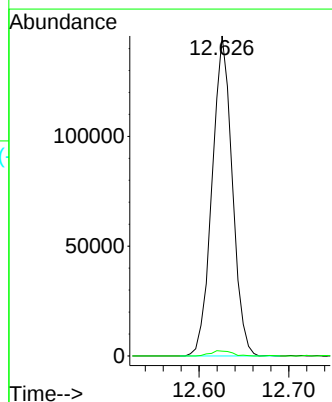
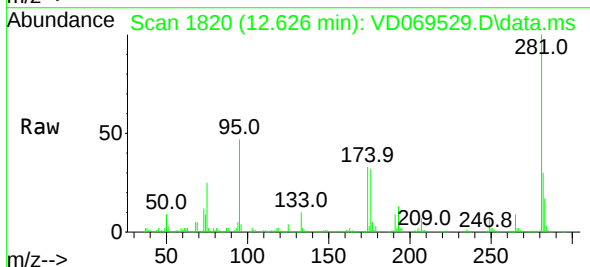
Instrument :
MSVOA_D
ClientSampleId :

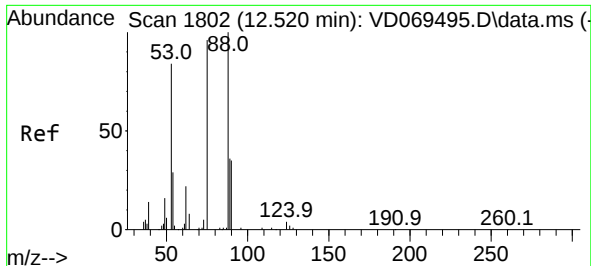
Tgt Ion:152 Resp: 362660
Ion Ratio Lower Upper
152 100
115 62.2 31.7 95.1
150 156.6 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 63.968 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Tgt Ion: 75 Resp: 227725
Ion Ratio Lower Upper
75 100
77 1.7 162.6 487.8#

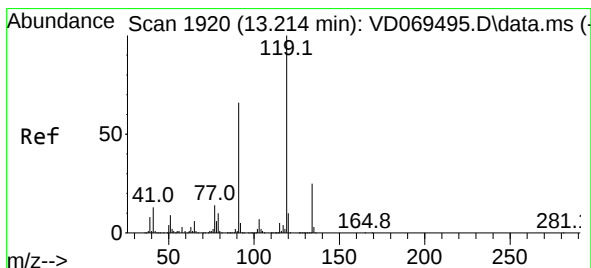
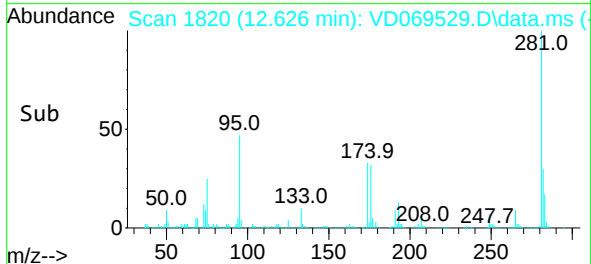
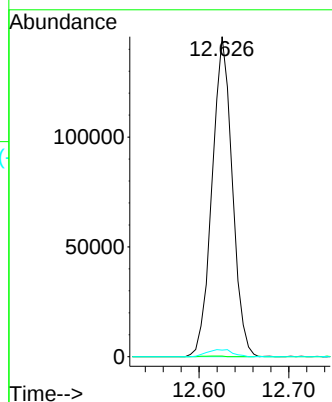
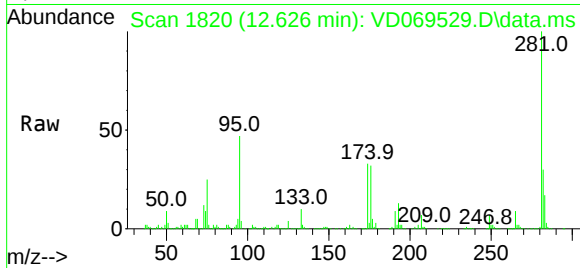




#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.720 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069529.D
 Acq: 22 Jun 2021 21:21

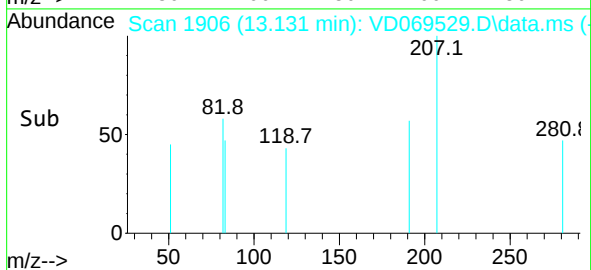
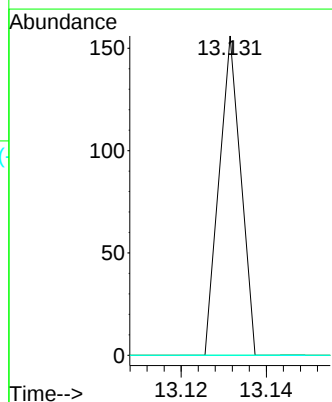
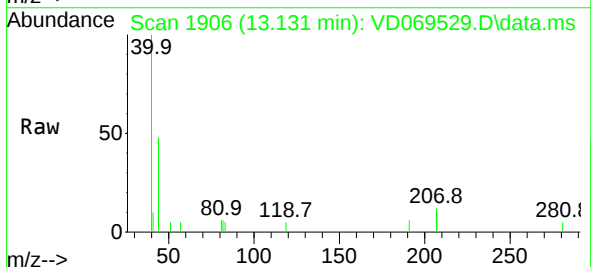
Instrument :
 MSVOA_D
 ClientSampleId :

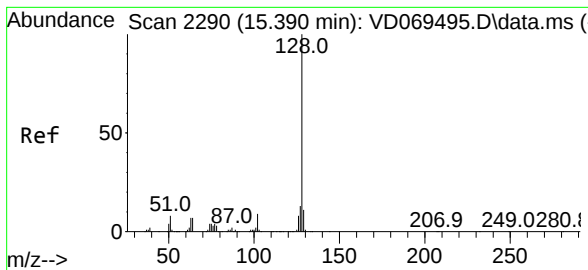
Tgt Ion: 75 Resp: 227725
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 2.8 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 13.131 min Scan# 1906
 Delta R.T. -0.083 min
 Lab File: VD069529.D
 Acq: 22 Jun 2021 21:21

Tgt Ion: 119 Resp: 55
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.376 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069529.D
Acq: 22 Jun 2021 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 260
Ion Ratio Lower Upper
128 100
127 23.8 10.6 16.0#
129 0.0 8.7 13.1#

