

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069630.D
 Acq On : 08 Jul 2021 15:38
 Operator : VA/SY
 Sample : M2967-12
 Misc : 4.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:03:34 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	563518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1078685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1178163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	538314	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	349700	49.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.580%
35) Dibromofluoromethane	7.914	113	353470	48.476	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.960%
50) Toluene-d8	10.338	98	1415659	51.760	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.520%
62) 4-Bromofluorobenzene	12.626	95	538814	59.924	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.840%

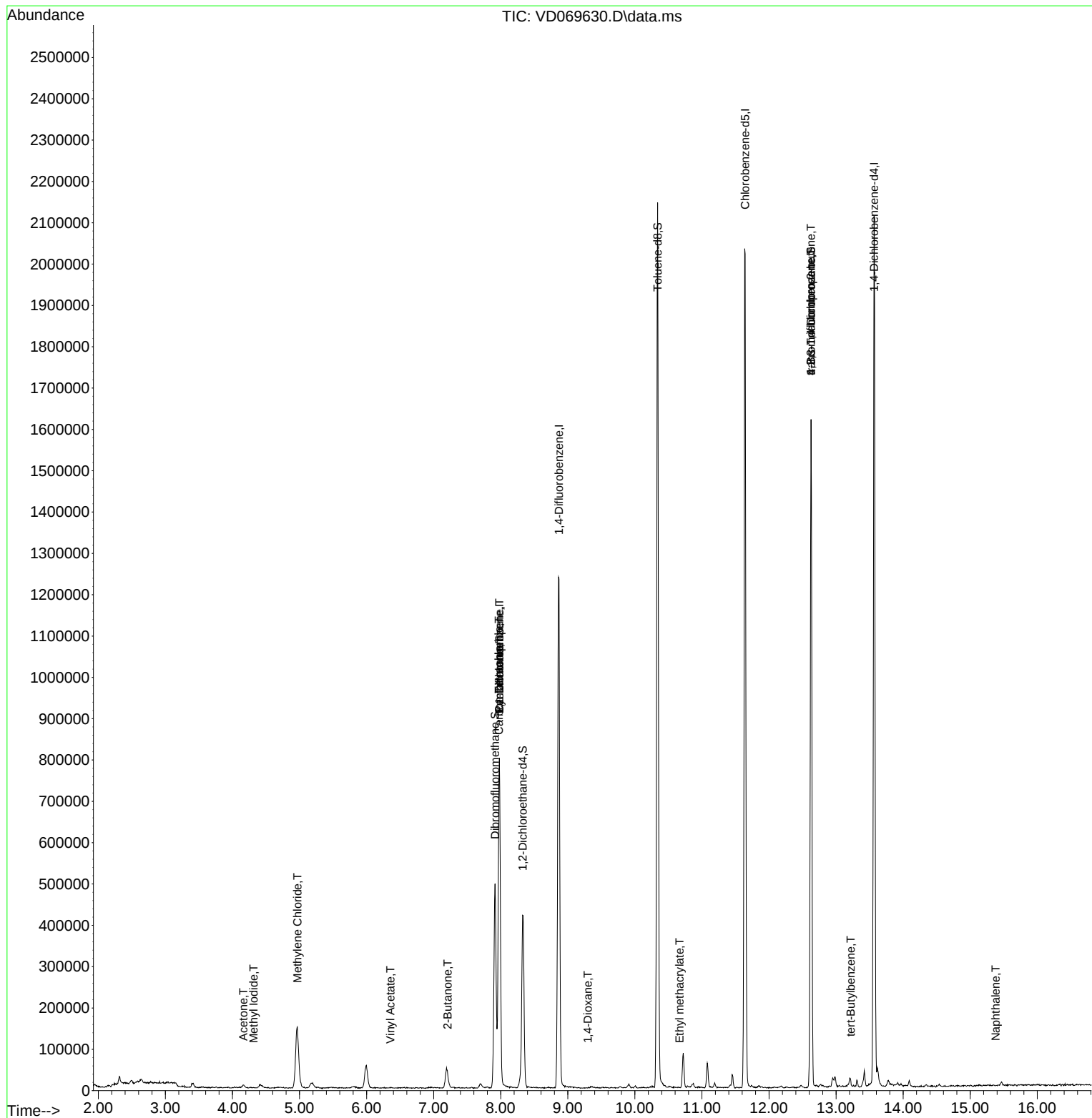
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	2538	Below Cal	#	57
10) Methyl Iodide	4.315	142	718	4.052	ug/l #	49
11) Tert butyl alcohol	5.197	59	12952	Below Cal	#	83
16) Acetone	4.162	43	11940	10.099	ug/l	93
18) Methyl Acetate	4.720	43	625	Below Cal	#	49
20) Methylene Chloride	4.968	84	117145	10.529	ug/l	95
23) Vinyl Acetate	6.356	43	328	19.041	ug/l #	70
25) 2-Butanone	7.209	43	4941	3.289	ug/l	99
31) Cyclohexane	7.979	56	13870	1.467	ug/l #	17
36) 1,1-Dichloropropene	7.979	75	52565	4.965	ug/l #	50
38) Carbon Tetrachloride	7.973	117	60937	5.816	ug/l #	18
49) 1,4-Dioxane	9.297	88	68	1.682	ug/l #	23
56) Ethyl methacrylate	10.667	69	572	2.661	ug/l #	81
76) 1,2,3-Trichloropropane	12.626	75	271530	51.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	271530	128.301	ug/l #	12
83) tert-Butylbenzene	13.220	119	1611	2.048	ug/l	72
95) Naphthalene	15.379	128	1205	3.421	ug/l #	76

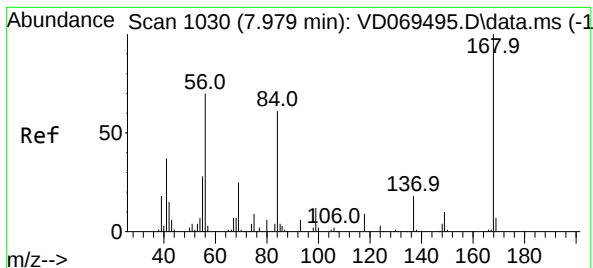
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 09 01:03:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

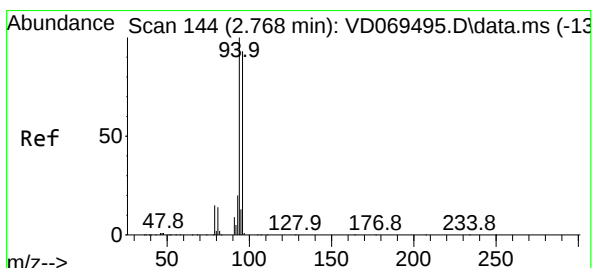
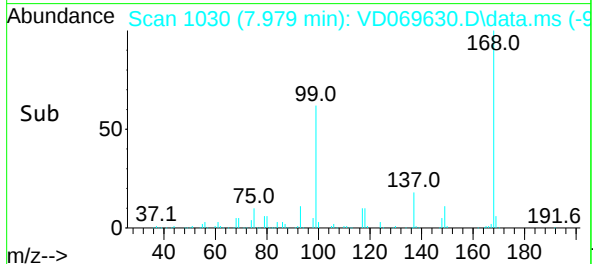
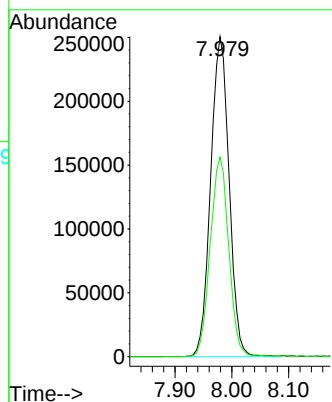
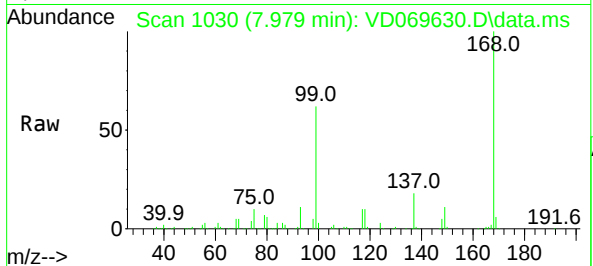




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

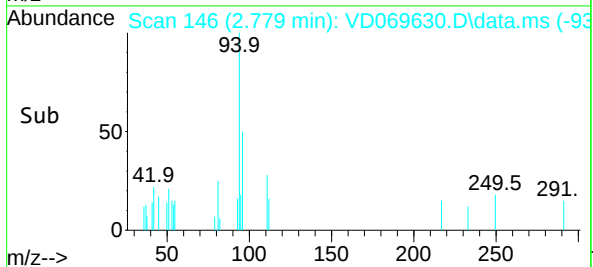
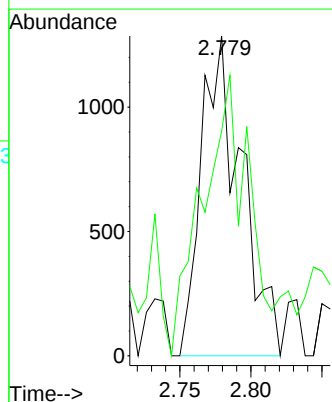
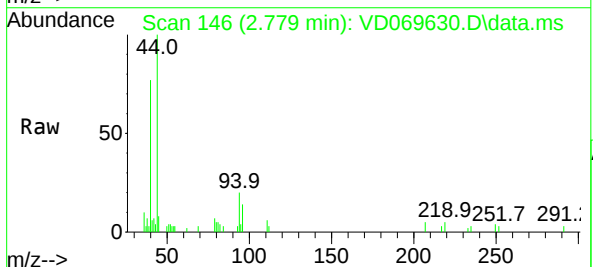
Instrument :
MSVOA_D
ClientSampled :

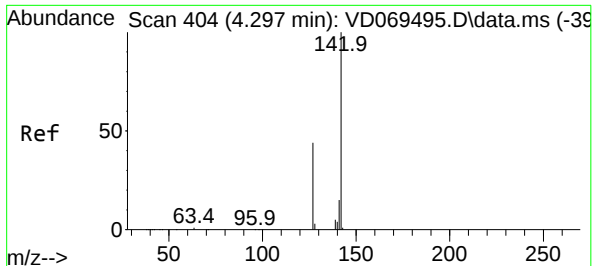
Tgt Ion:168 Resp: 563518
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 94 Resp: 2538
Ion Ratio Lower Upper
94 100
96 51.8 74.6 111.8#

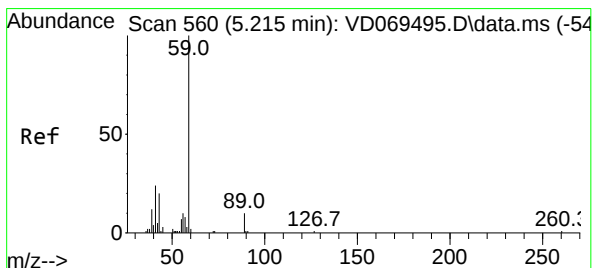
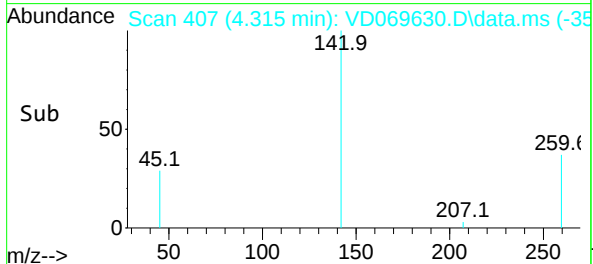
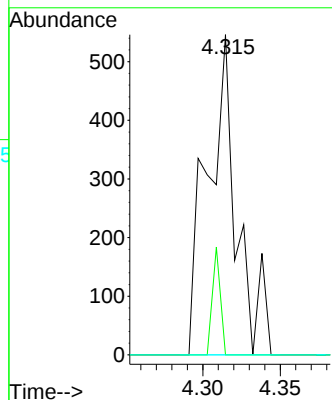
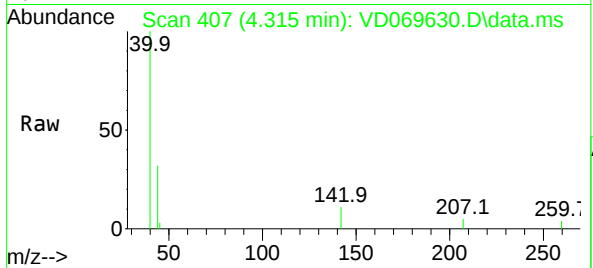




#10
Methyl Iodide
Concen: 4.052 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

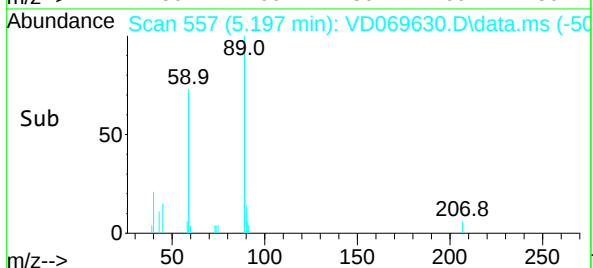
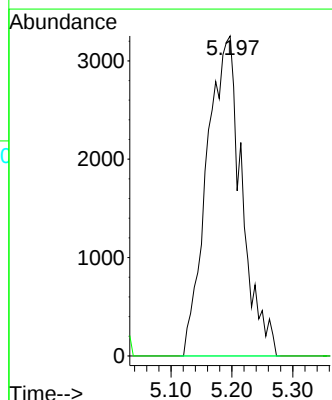
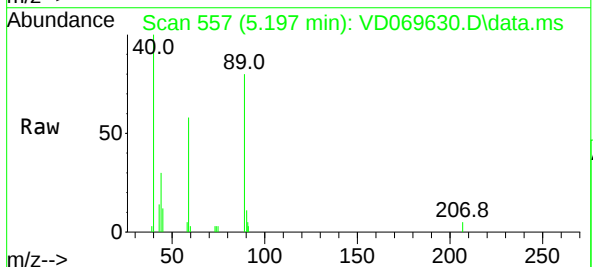
Instrument :
MSVOA_D
ClientSampleId :

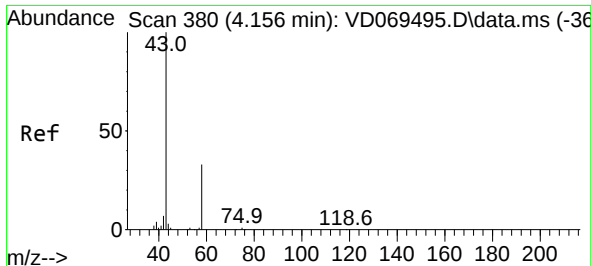
Tgt Ion:142 Resp: 718
Ion Ratio Lower Upper
142 100
127 9.1 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 59 Resp: 12952
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

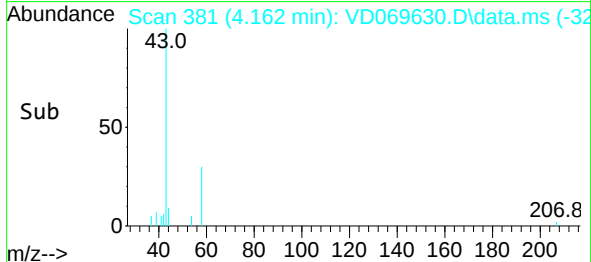
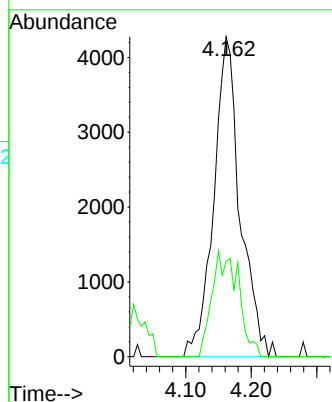
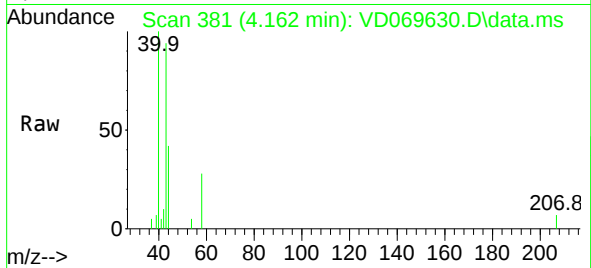




#16
Acetone
Concen: 10.099 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

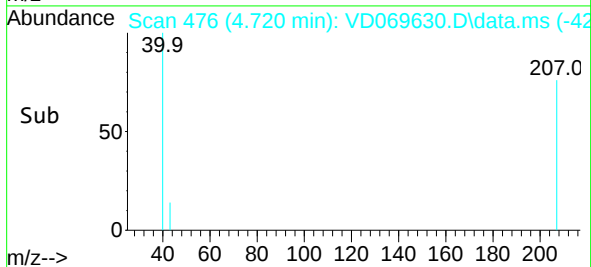
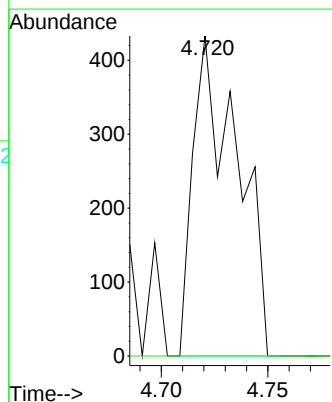
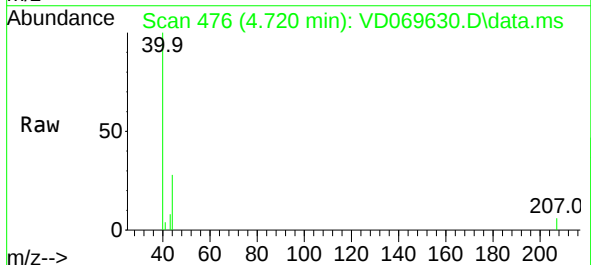
Instrument :
MSVOA_D
ClientSampled :

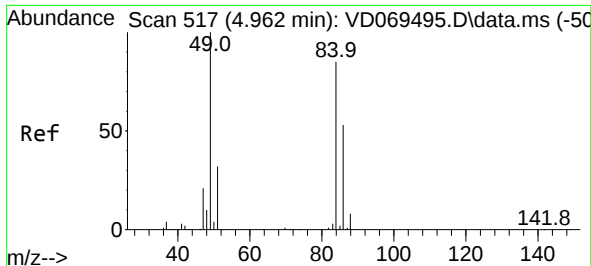
Tgt Ion: 43 Resp: 11940
Ion Ratio Lower Upper
43 100
58 29.8 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

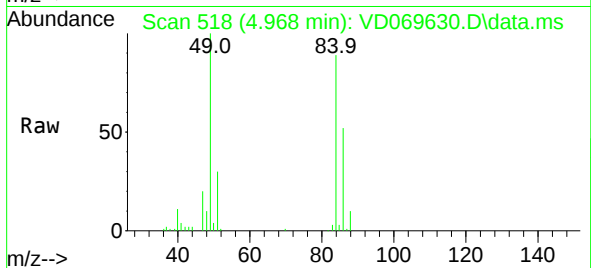
Tgt Ion: 43 Resp: 625
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



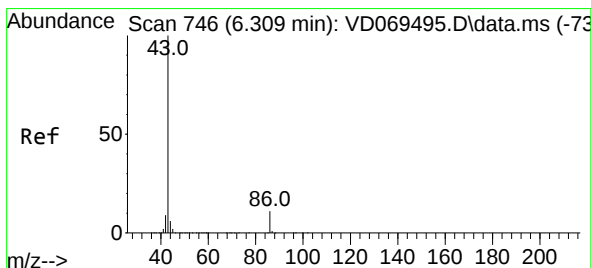
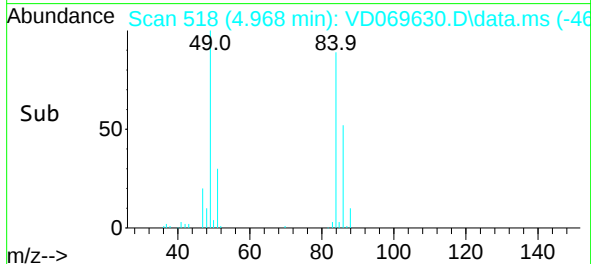
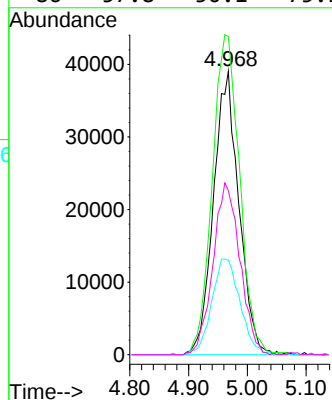


#20
Methylene Chloride
Concen: 10.529 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

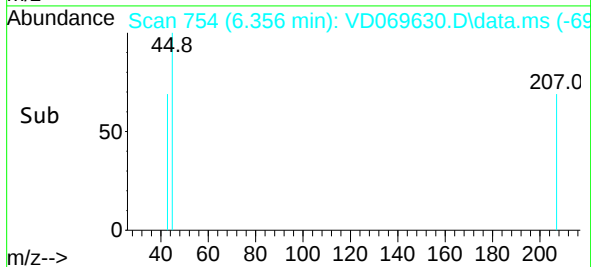
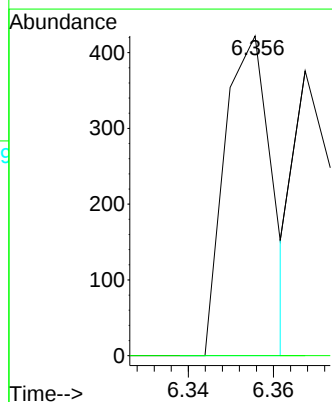
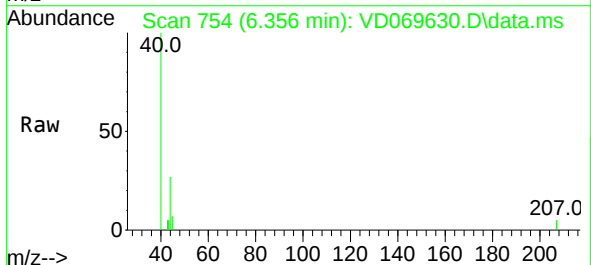


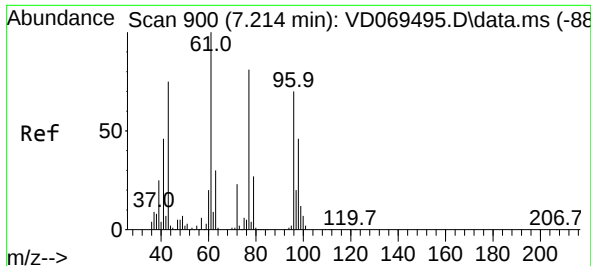
Tgt Ion: 84 Resp: 117145
Ion Ratio Lower Upper
84 100
49 112.2 94.0 141.0
51 33.3 29.7 44.5
86 57.8 50.1 75.1



#23
Vinyl Acetate
Concen: 19.041 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.047 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

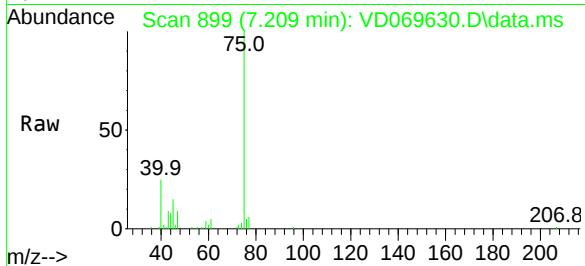
Tgt Ion: 43 Resp: 328
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#



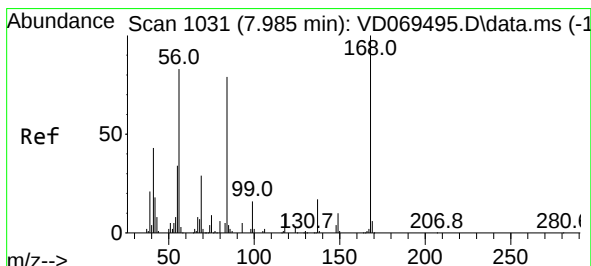
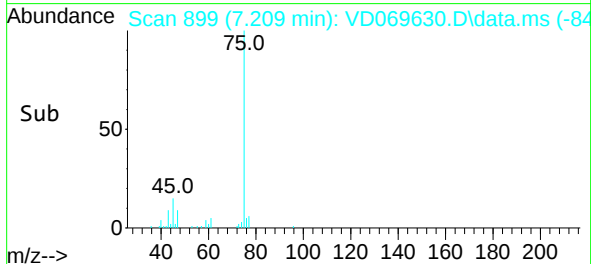
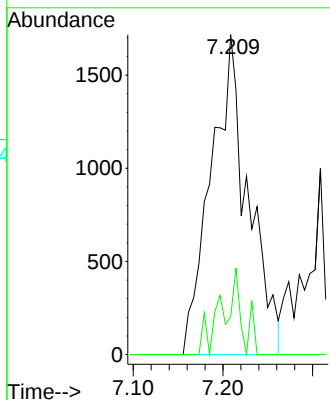


#25
2-Butanone
Concen: 3.289 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

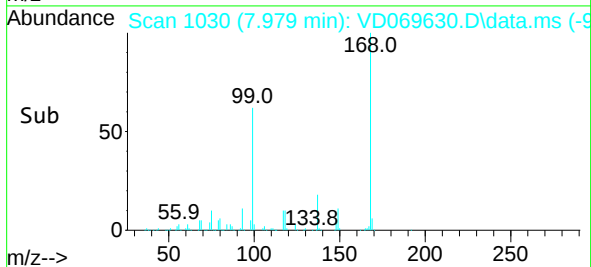
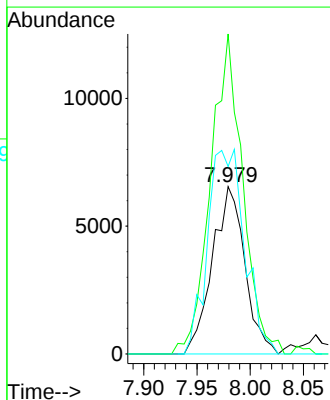
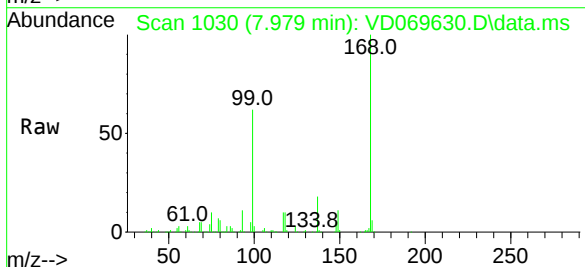


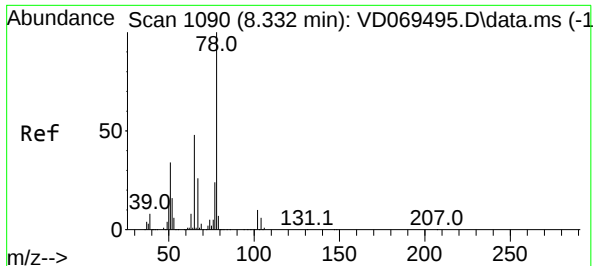
Tgt Ion: 43 Resp: 4941
Ion Ratio Lower Upper
43 100
72 30.8 24.3 36.5



#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 56 Resp: 13870
Ion Ratio Lower Upper
56 100
69 184.8 28.0 42.0#
84 112.0 75.7 113.5

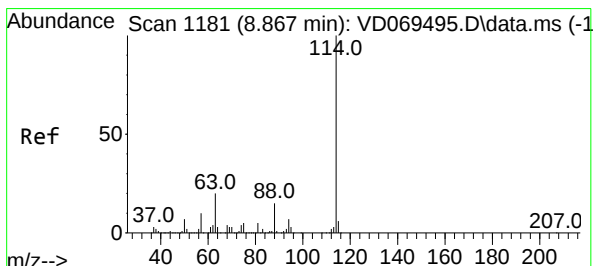
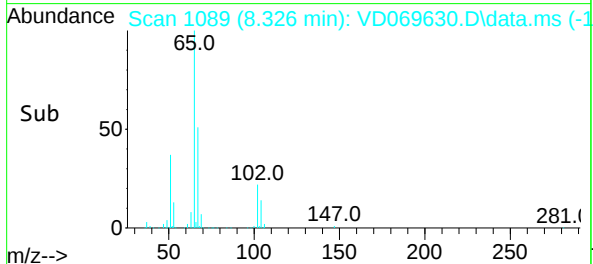
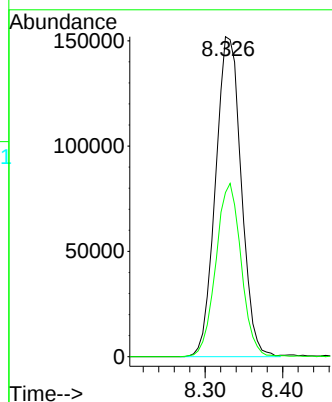
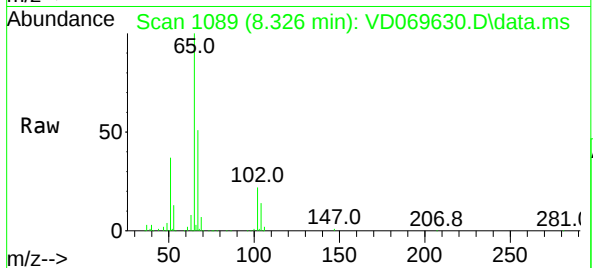




#33
1,2-Dichloroethane-d4
Concen: 49.785 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

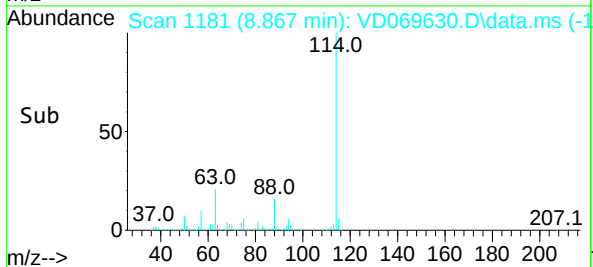
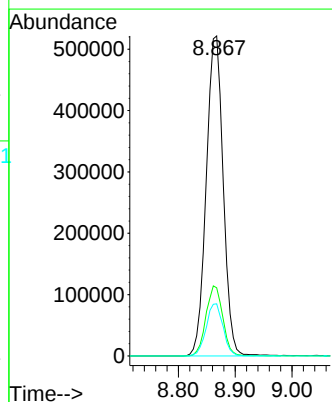
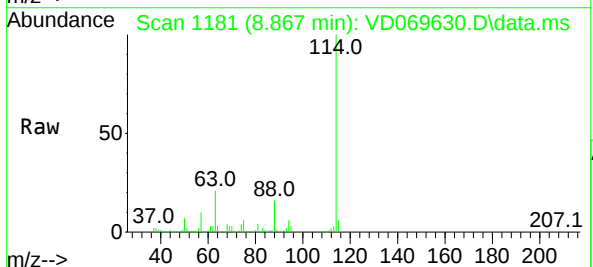
Instrument :
MSVOA_D
ClientSampled :

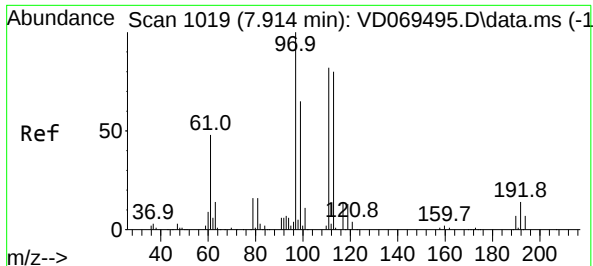
Tgt Ion: 65 Resp: 349700
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion:114 Resp: 1078685
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 16.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.476 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069630.D

Acq: 08 Jul 2021 15:38

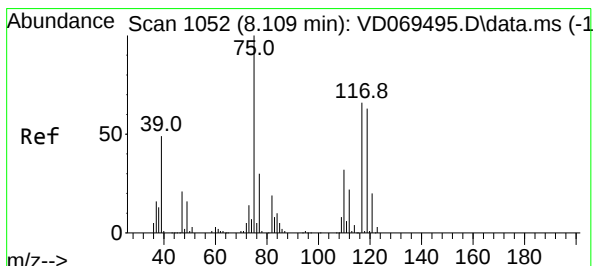
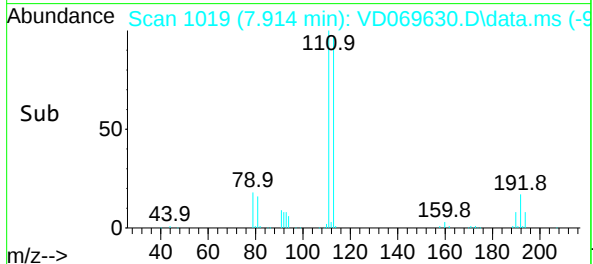
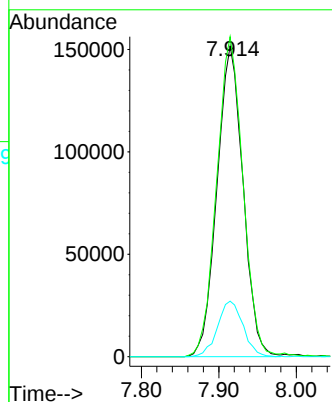
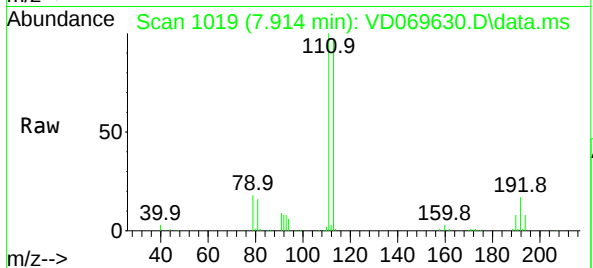
Tgt Ion:113 Resp: 353470

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

192 17.6 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069630.D

Acq: 08 Jul 2021 15:38

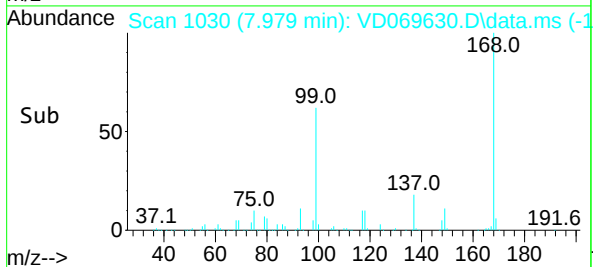
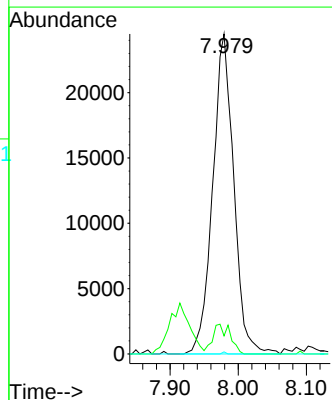
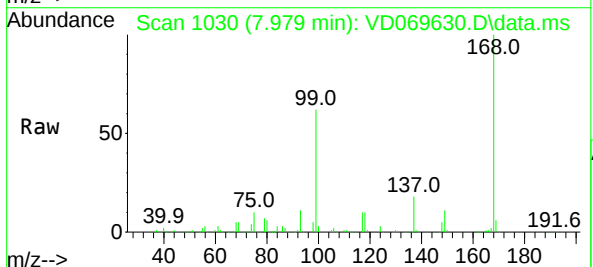
Tgt Ion: 75 Resp: 52565

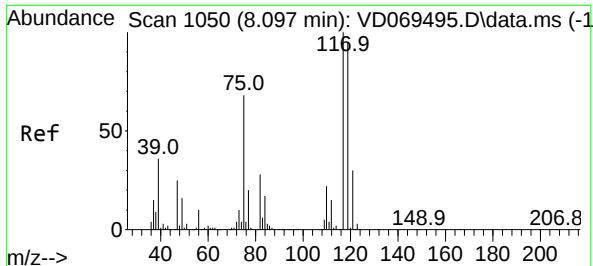
Ion Ratio Lower Upper

75 100

110 7.7 16.8 50.4#

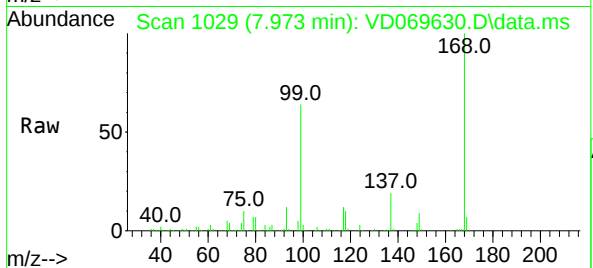
77 0.1 24.3 36.5#



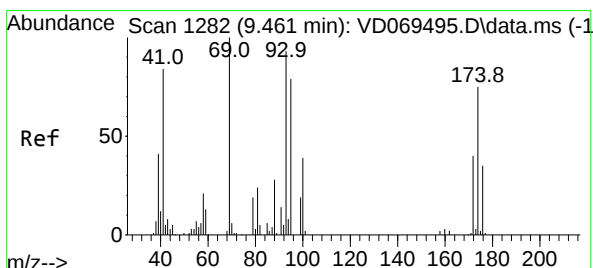
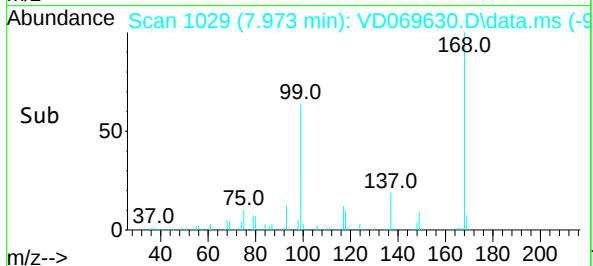
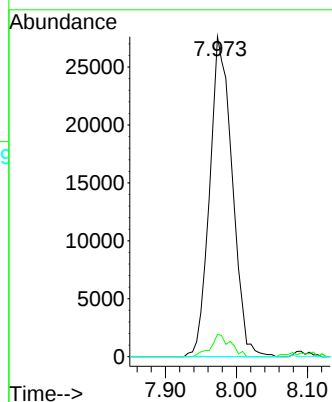


#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampleId :

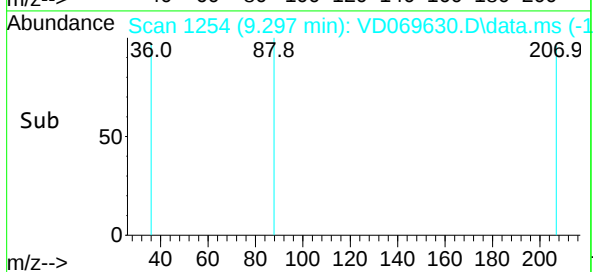
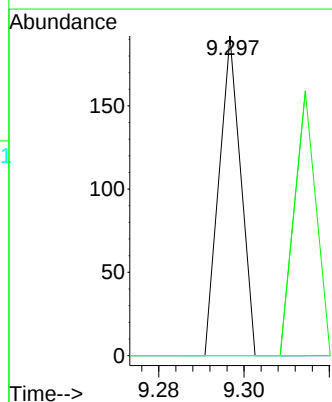
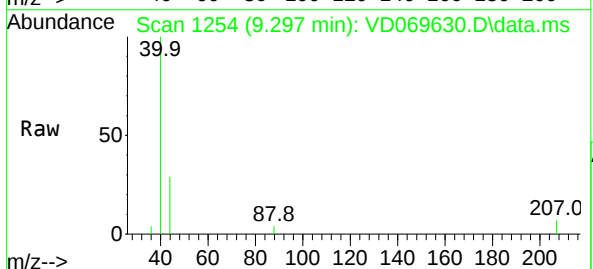


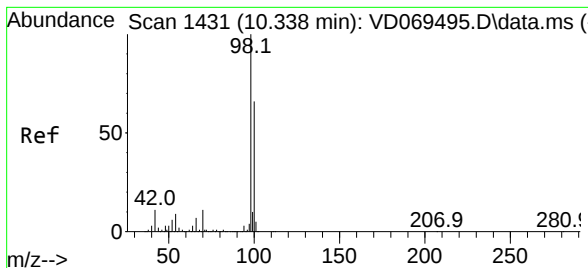
Tgt Ion:117 Resp: 60937
Ion Ratio Lower Upper
117 100
119 7.0 75.6 113.4#
121 0.0 23.8 35.8#



#49
1,4-Dioxane
Concen: 1.682 ug/l
RT: 9.297 min Scan# 1254
Delta R.T. -0.165 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

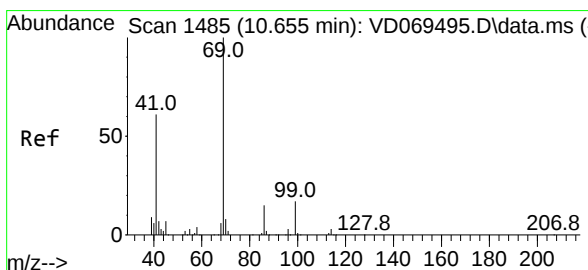
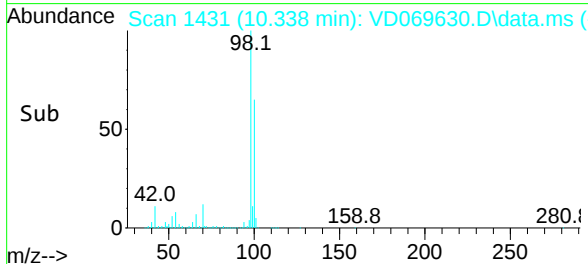
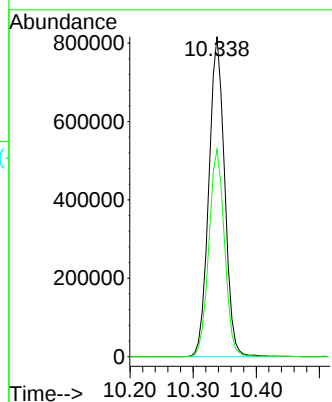
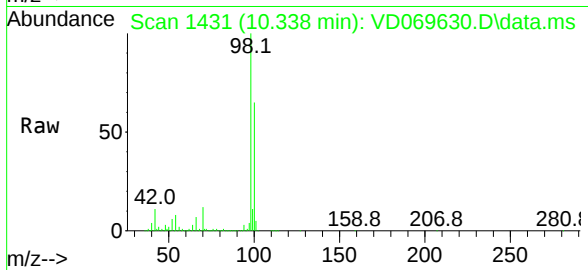




#50
Toluene-d8
Concen: 51.760 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

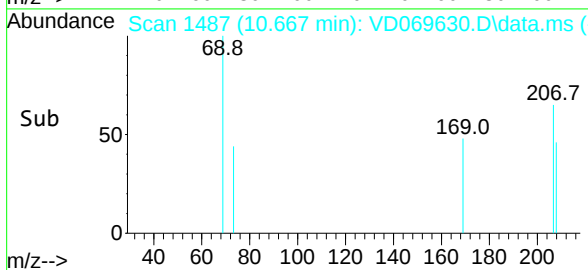
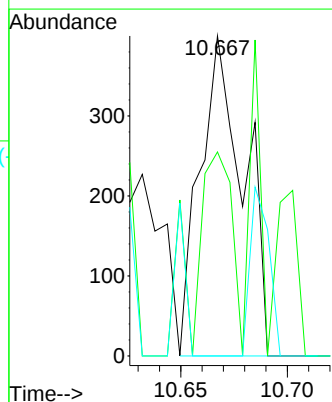
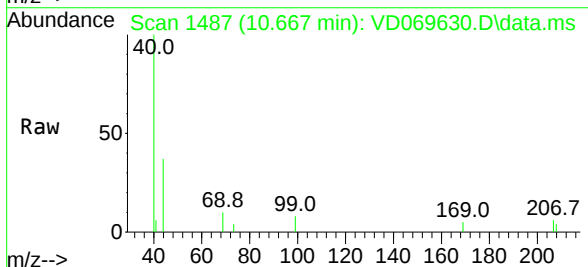
Instrument :
MSVOA_D
ClientSampled :

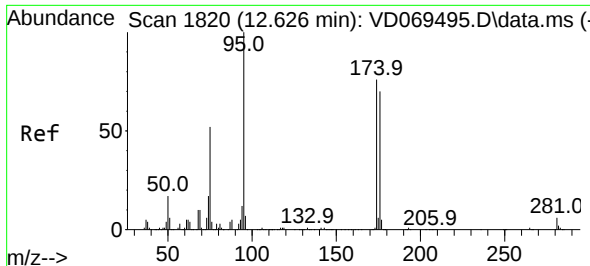
Tgt Ion: 98 Resp: 1415659
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.661 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 69 Resp: 572
Ion Ratio Lower Upper
69 100
41 55.2 49.4 74.0
39 11.7 26.9 40.3#

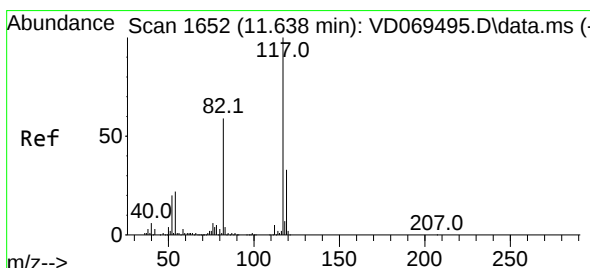
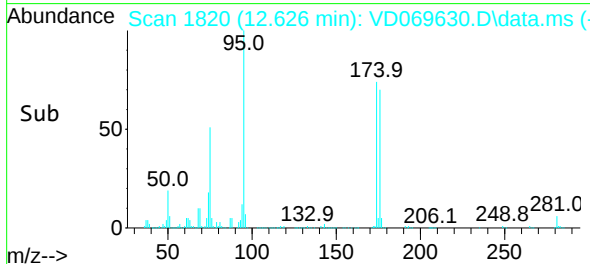
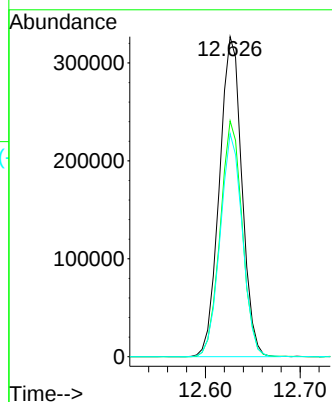
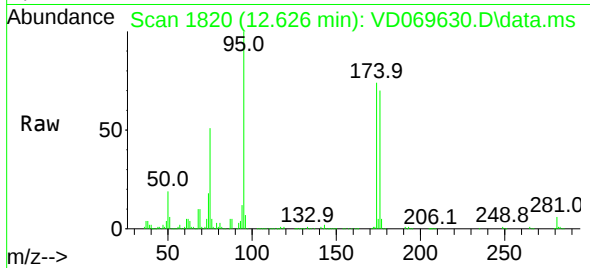




#62
4-Bromofluorobenzene
Concen: 59.924 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

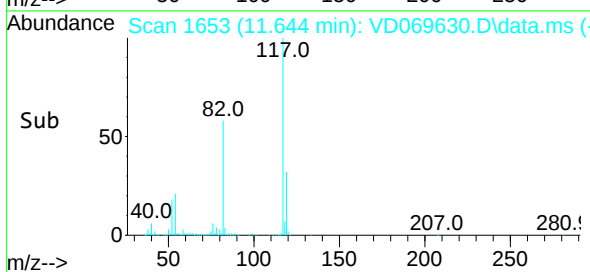
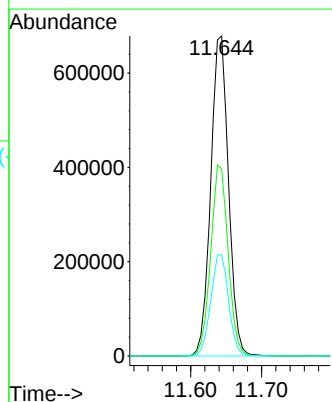
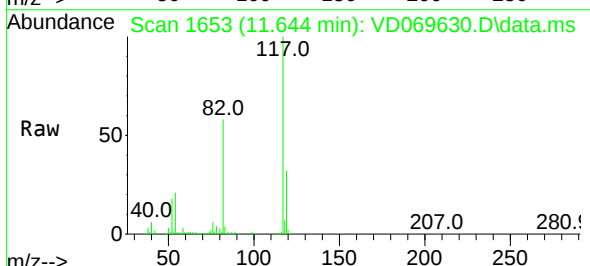
Instrument :
MSVOA_D
ClientSampleId :

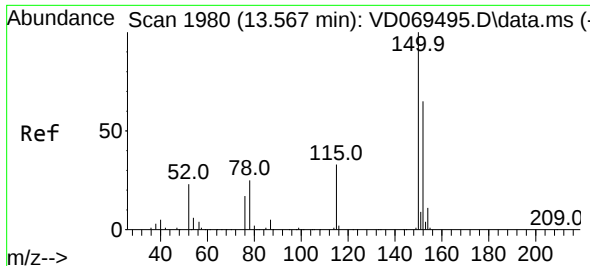
Tgt Ion: 95 Resp: 538814
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 68.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Tgt Ion: 117 Resp: 1178163
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 31.6 26.2 39.2

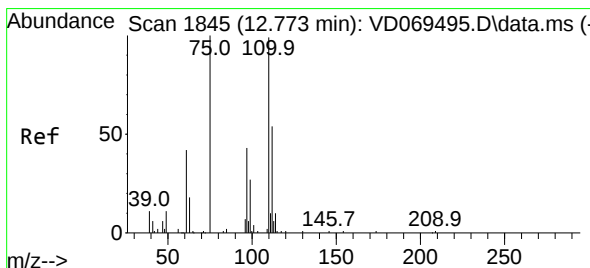
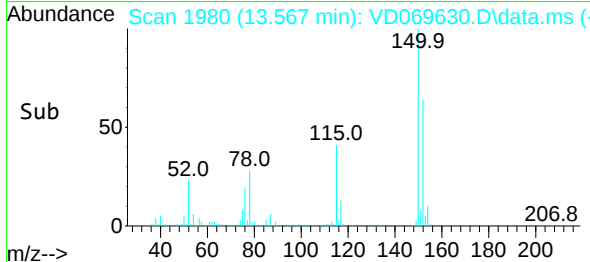
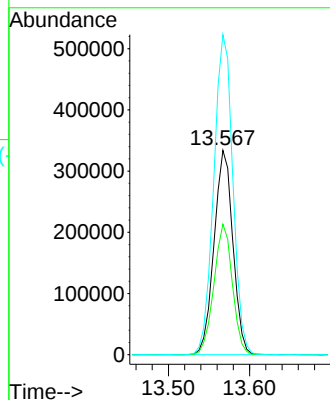
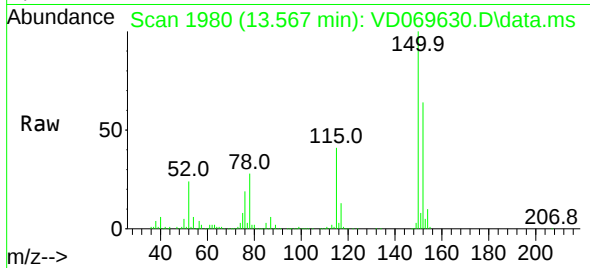




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069630.D
 Acq: 08 Jul 2021 15:38

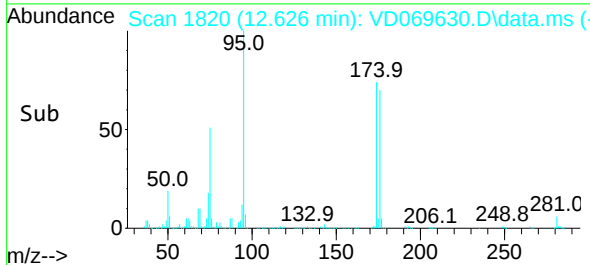
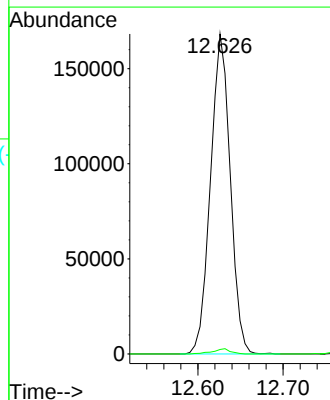
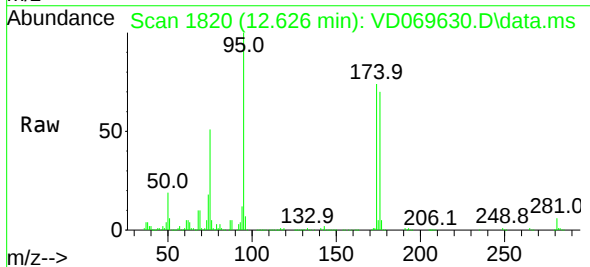
Instrument :
 MSVOA_D
 ClientSampleId :

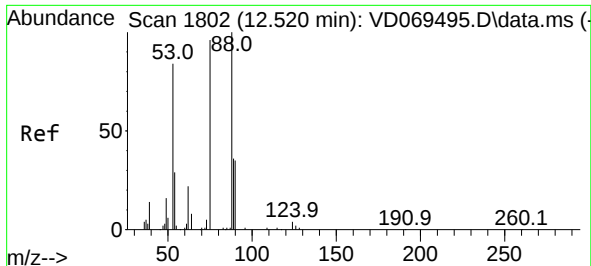
Tgt Ion:152 Resp: 538314
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.7 95.1
 150 158.3 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.385 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069630.D
 Acq: 08 Jul 2021 15:38

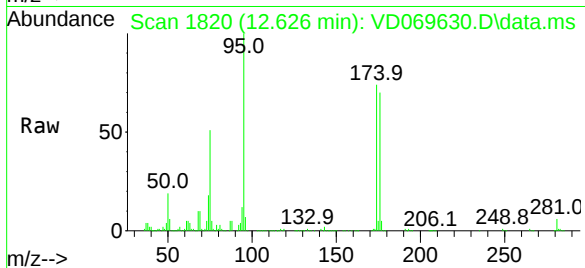
Tgt Ion: 75 Resp: 271530
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#



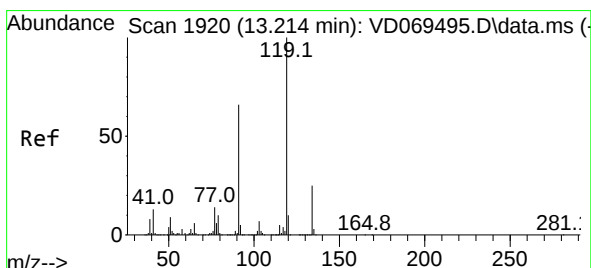
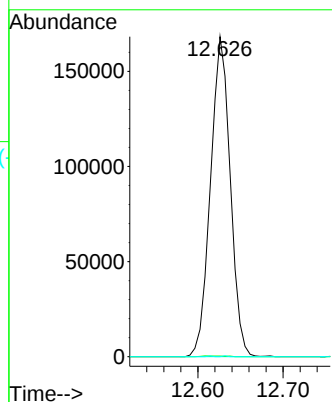
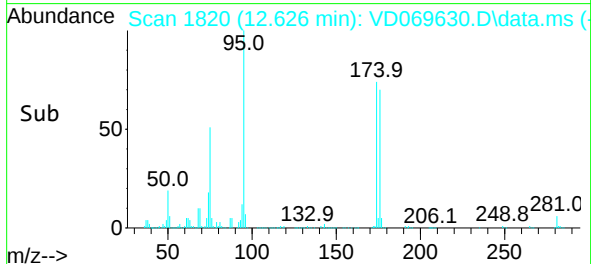


#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.301 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069630.D
 Acq: 08 Jul 2021 15:38

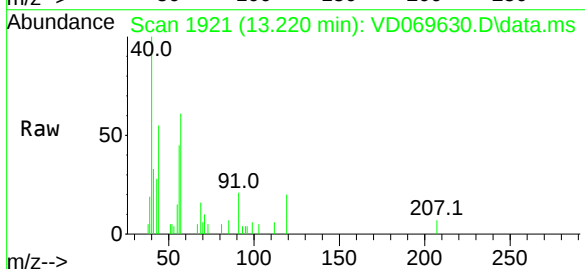
Instrument :
 MSVOA_D
 ClientSampleId :



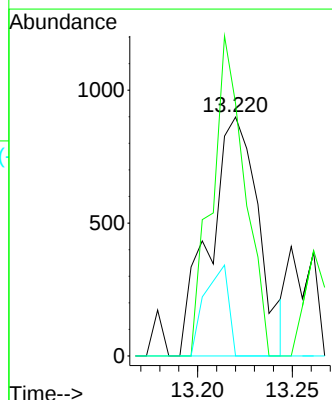
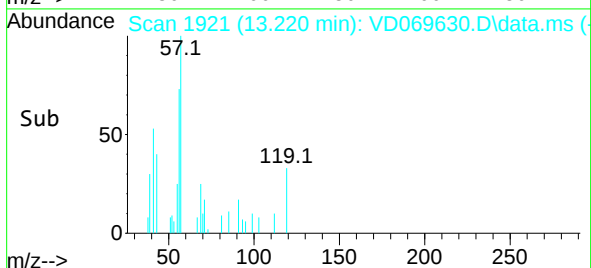
Tgt Ion: 75 Resp: 271530
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 112.0#
 89 0.1 35.3 52.9#

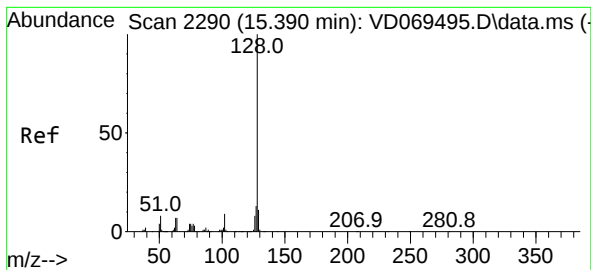


#83
 tert-Butylbenzene
 Concen: 2.048 ug/l
 RT: 13.220 min Scan# 1921
 Delta R.T. 0.006 min
 Lab File: VD069630.D
 Acq: 08 Jul 2021 15:38



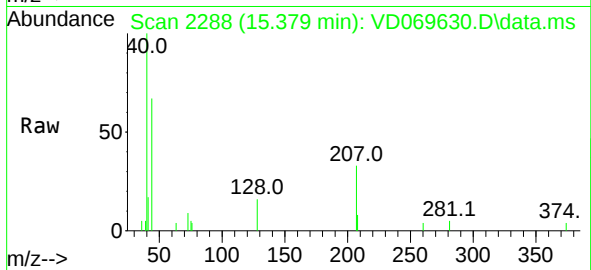
Tgt Ion: 119 Resp: 1611
 Ion Ratio Lower Upper
 119 100
 91 90.8 32.5 97.4
 134 18.6 12.9 38.7





#95
Naphthalene
Concen: 3.421 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069630.D
Acq: 08 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 1205
Ion Ratio Lower Upper
128 100
127 5.4 10.6 16.0#
129 0.0 8.7 13.1#

