

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069632.D
 Acq On : 08 Jul 2021 16:35
 Operator : VA/SY
 Sample : M2969-03
 Misc : 5.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:04:08 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	576283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1110804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1216754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	529237	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	358166	49.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.720%
35) Dibromofluoromethane	7.914	113	372835	49.653	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.300%
50) Toluene-d8	10.338	98	1481469	52.599	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.200%
62) 4-Bromofluorobenzene	12.626	95	551686	59.581	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.160%

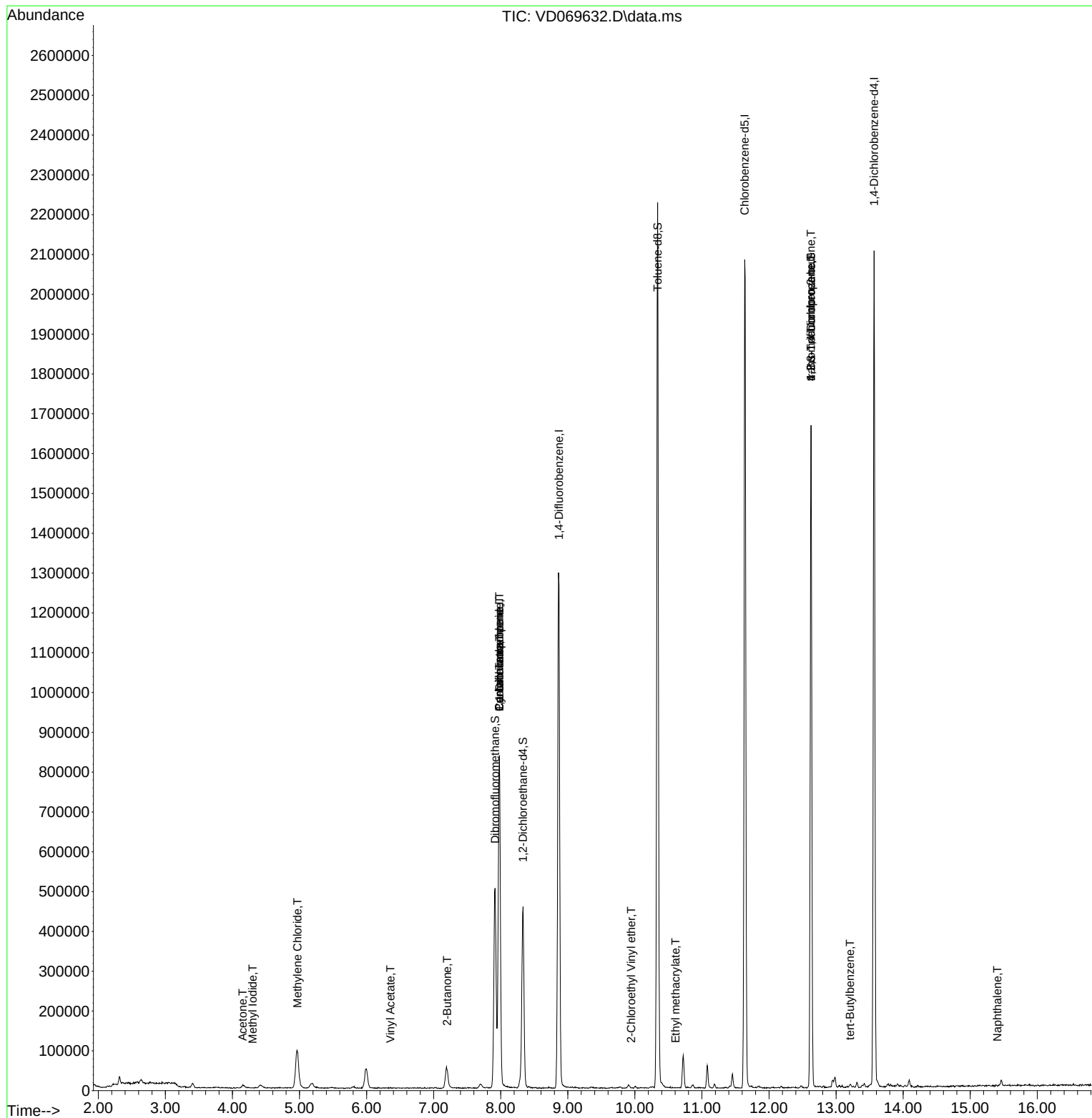
Target Compounds			Qvalue			
5) Bromomethane	2.773	94	2157	Below Cal	#	76
10) Methyl Iodide	4.303	142	587	4.030	ug/l #	66
11) Tert butyl alcohol	5.167	59	5509	Below Cal	#	86
16) Acetone	4.150	43	12057	9.972	ug/l	93
18) Methyl Acetate	4.726	43	116	Below Cal	#	49
20) Methylene Chloride	4.967	84	76469	4.076	ug/l	93
23) Vinyl Acetate	6.356	43	211	19.030	ug/l #	70
25) 2-Butanone	7.203	43	3378	2.199	ug/l #	71
31) Cyclohexane	7.979	56	15840	1.638	ug/l #	15
36) 1,1-Dichloropropene	7.979	75	56188	5.154	ug/l #	50
38) Carbon Tetrachloride	7.979	117	65797	6.098	ug/l #	19
56) Ethyl methacrylate	10.608	69	60	2.589	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.944	63	62	10.616	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	275731	53.075	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	275731	132.521	ug/l #	13
83) tert-Butylbenzene	13.208	119	1105	2.031	ug/l	78
95) Naphthalene	15.402	128	606	3.389	ug/l #	69

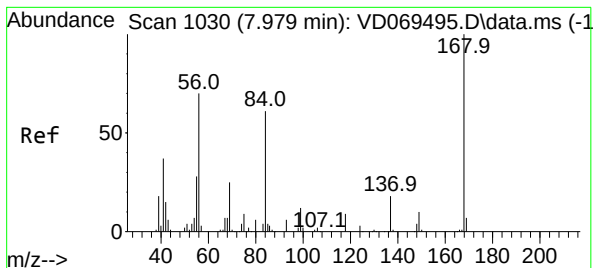
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

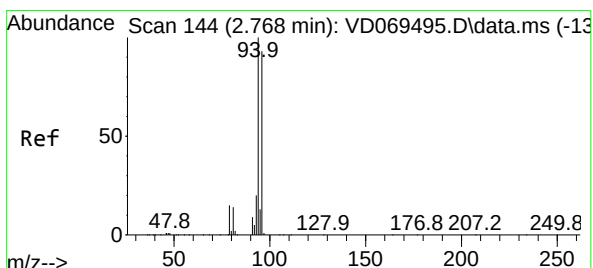
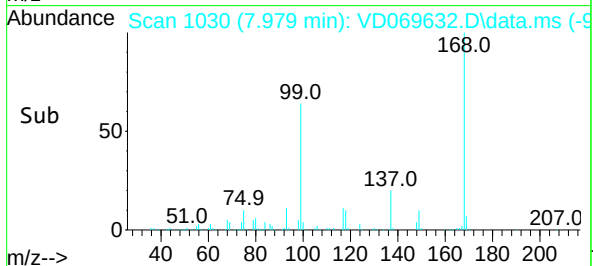
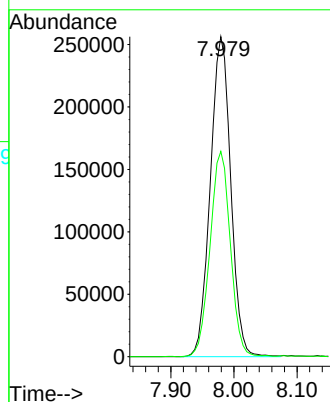
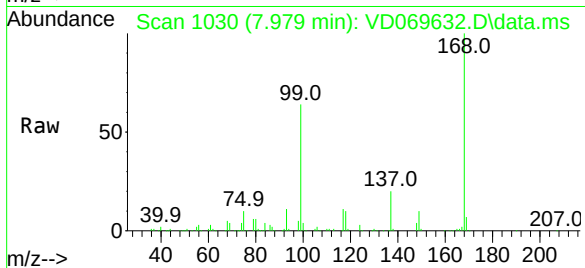
Lab File: VD069632.D

Acq: 08 Jul 2021 16:35

Tgt Ion:168 Resp: 576283

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	64.1	49.3	73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.005 min

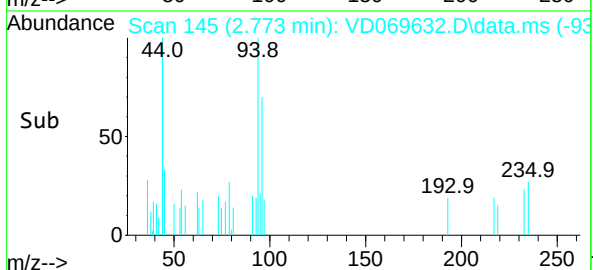
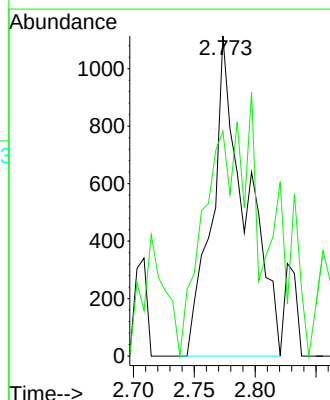
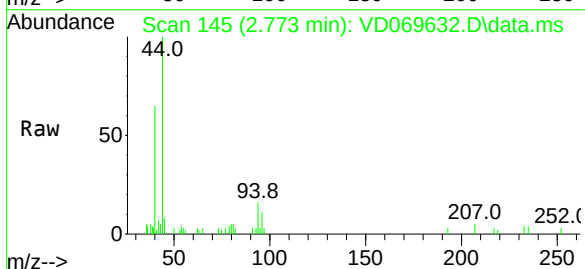
Lab File: VD069632.D

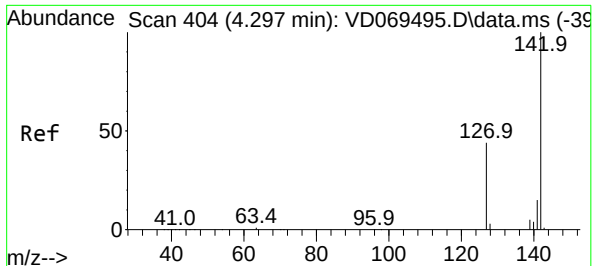
Acq: 08 Jul 2021 16:35

Tgt Ion: 94 Resp: 2157

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
94	100		
96	70.2	74.6	111.8

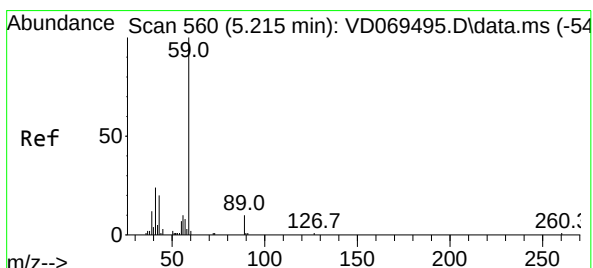
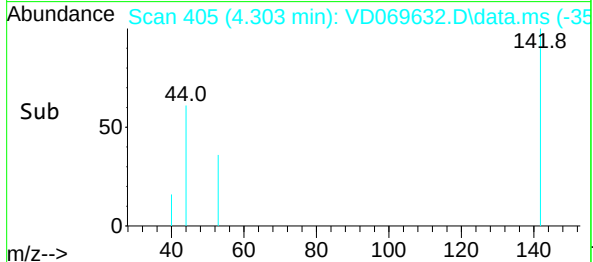
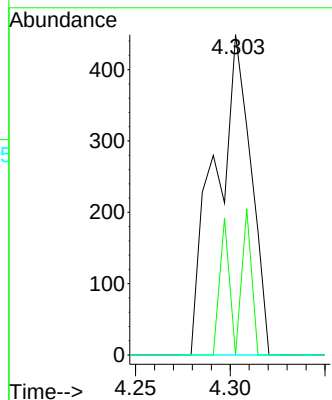
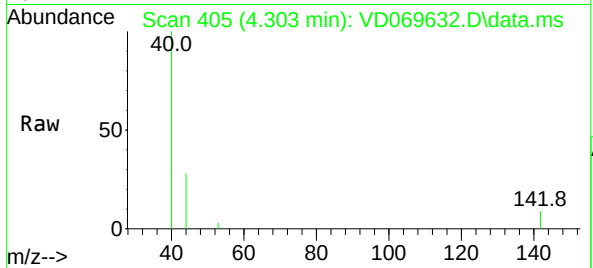




#10
Methyl Iodide
Concen: 4.030 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

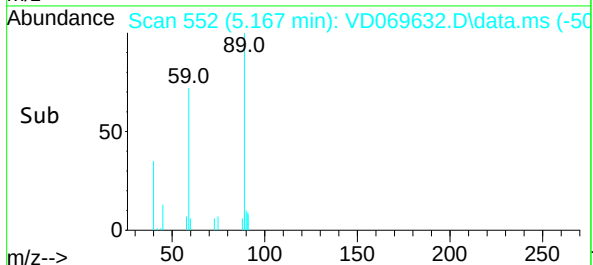
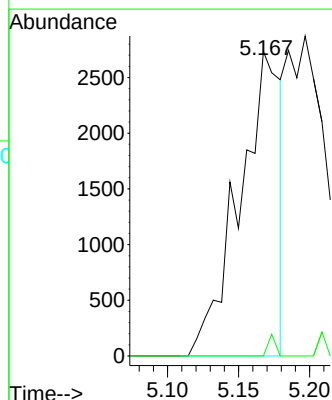
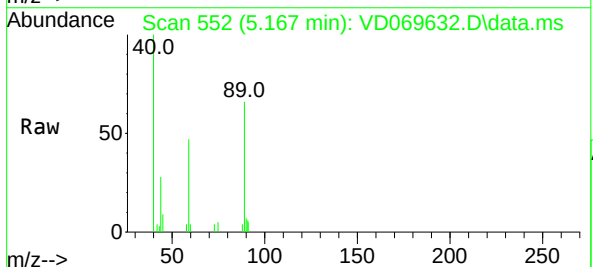
Instrument :
MSVOA_D
ClientSampled :

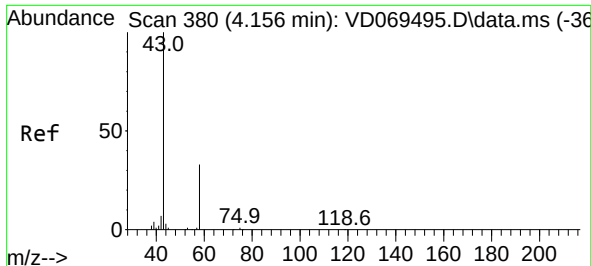
Tgt Ion:142 Resp: 587
Ion Ratio Lower Upper
142 100
127 23.9 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 552
Delta R.T. -0.048 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Tgt Ion: 59 Resp: 5509
Ion Ratio Lower Upper
59 100
57 1.3 4.6 7.0#

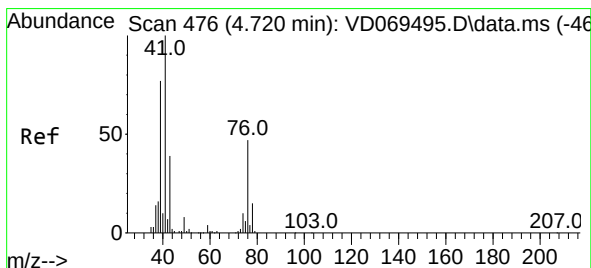
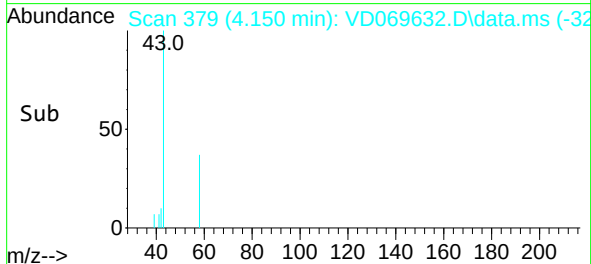
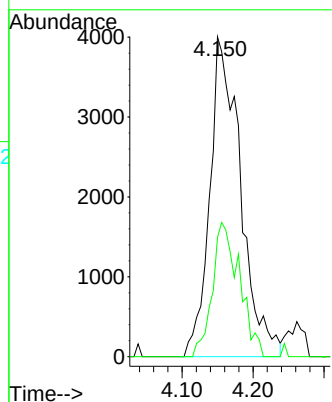
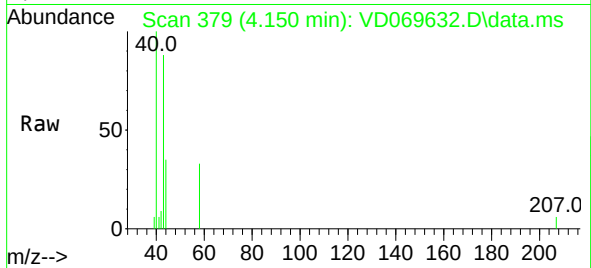




#16
Acetone
Concen: 9.972 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

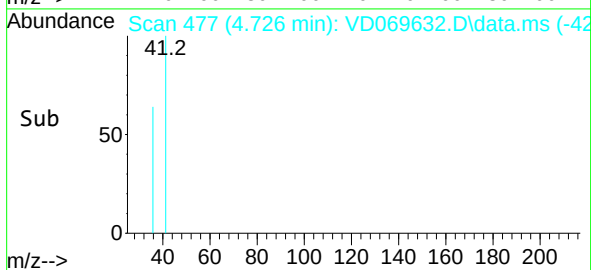
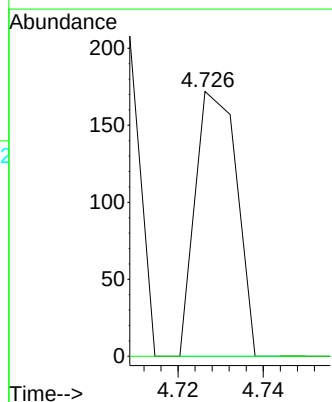
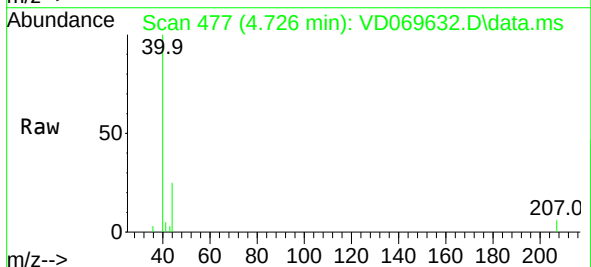
Instrument :
MSVOA_D
ClientSampleId :

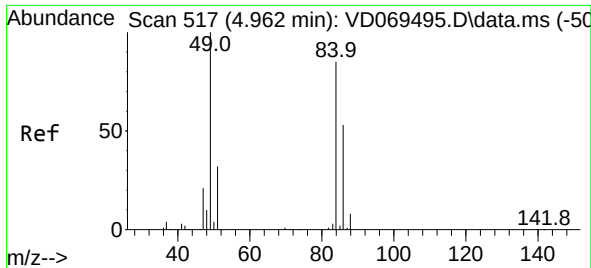
Tgt Ion: 43 Resp: 12057
Ion Ratio Lower Upper
43 100
58 37.2 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

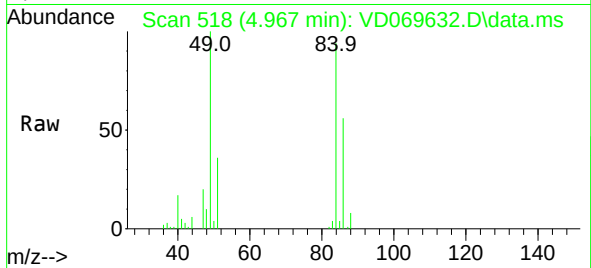
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



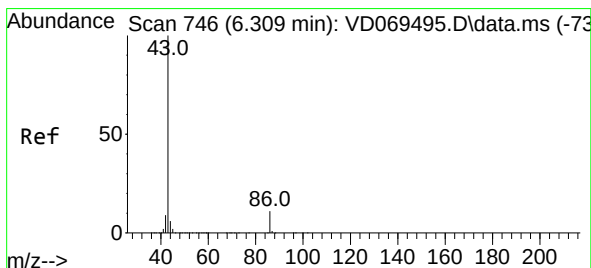
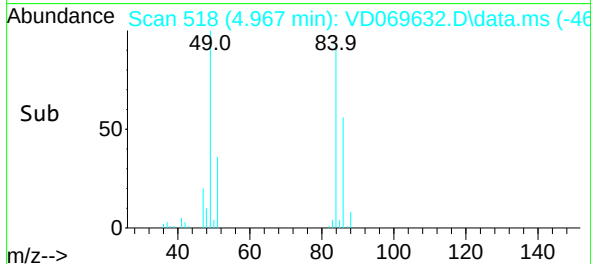
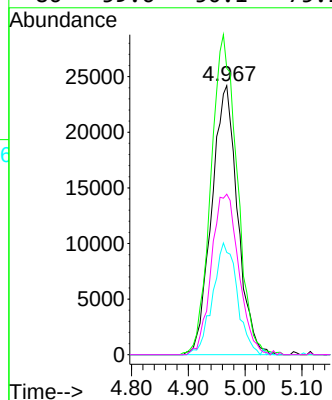


#20
Methylene Chloride
Concen: 4.076 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

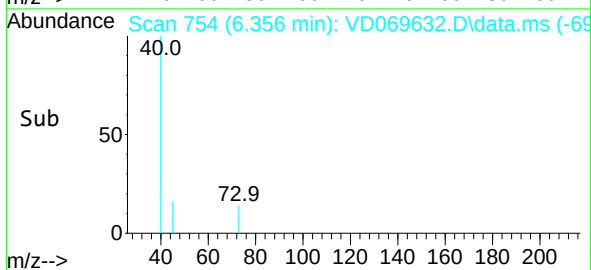
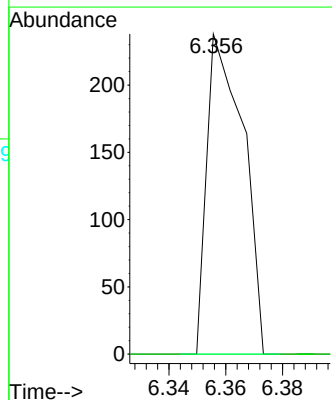
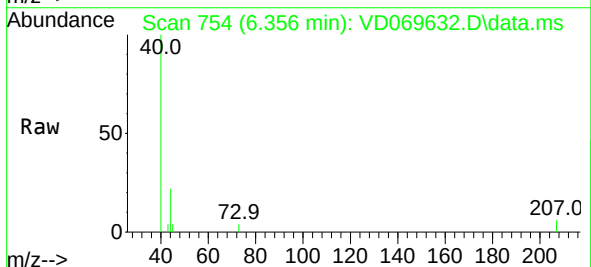


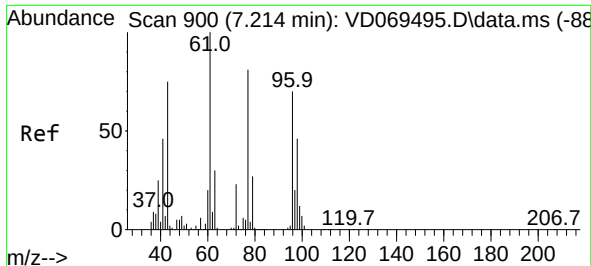
Tgt Ion: 84 Resp: 76469
Ion Ratio Lower Upper
84 100
49 106.5 94.0 141.0
51 38.0 29.7 44.5
86 59.6 50.1 75.1



#23
Vinyl Acetate
Concen: 19.030 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.047 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

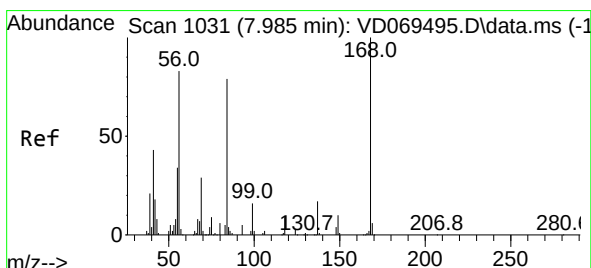
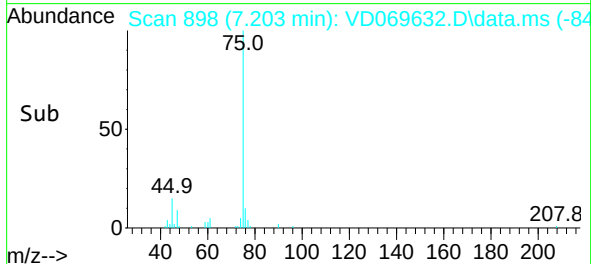
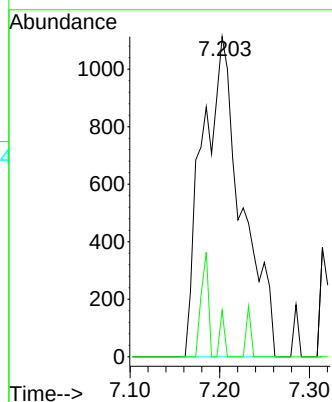
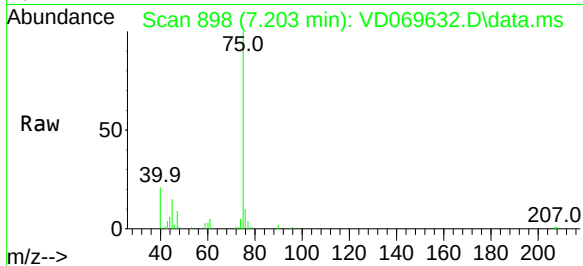




#25
2-Butanone
Concen: 2.199 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

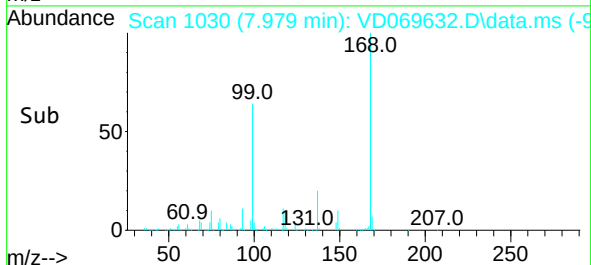
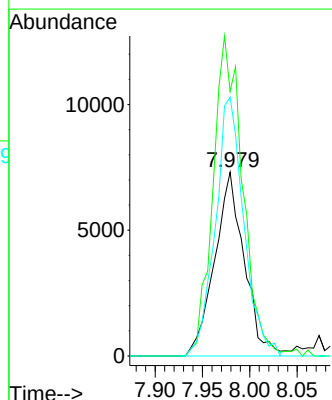
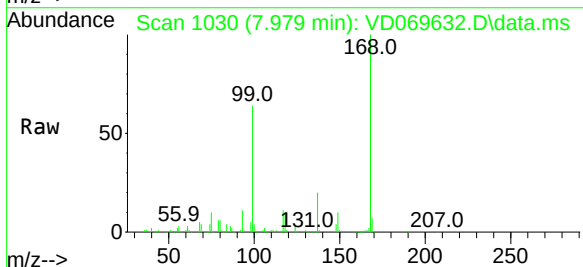
Instrument :
MSVOA_D
ClientSampled :

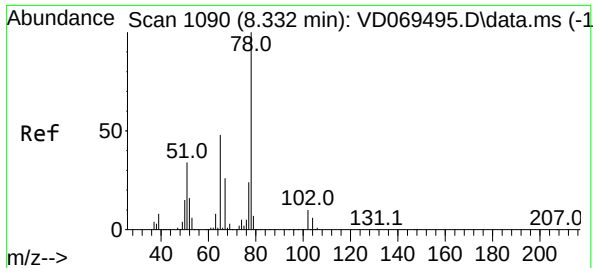
Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
72 14.6 24.3 36.5#



#31
Cyclohexane
Concen: 1.638 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Tgt Ion: 56 Resp: 15840
Ion Ratio Lower Upper
56 100
69 143.8 28.0 42.0#
84 140.7 75.7 113.5#

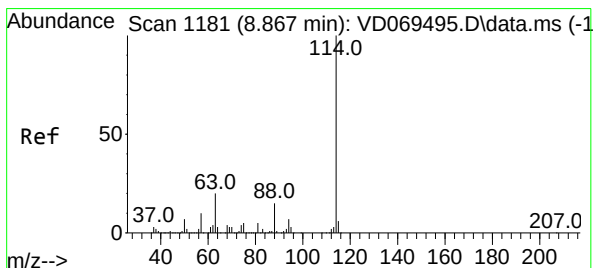
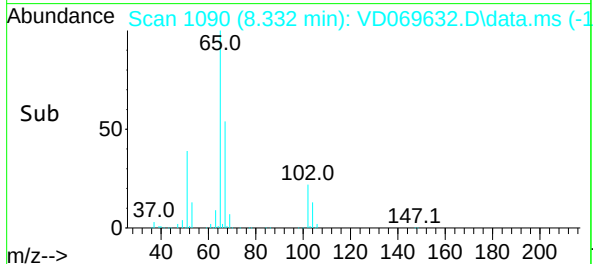
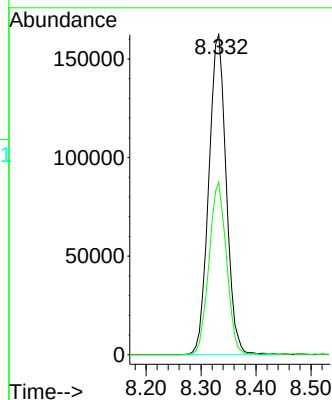
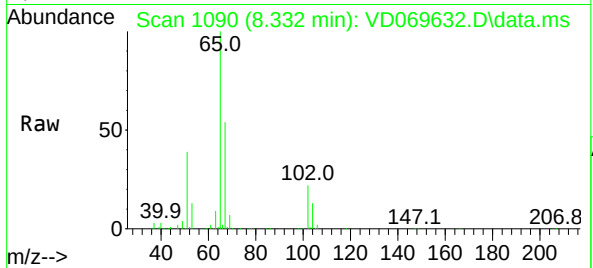




#33
 1,2-Dichloroethane-d4
 Concen: 49.861 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069632.D
 Acq: 08 Jul 2021 16:35

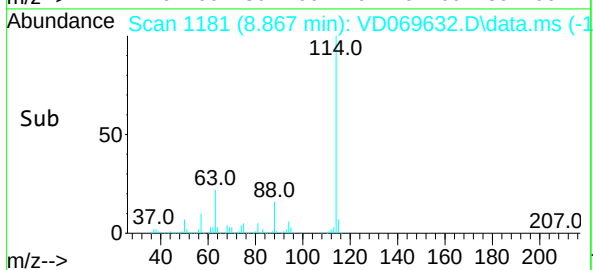
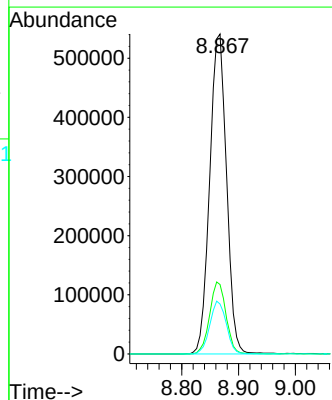
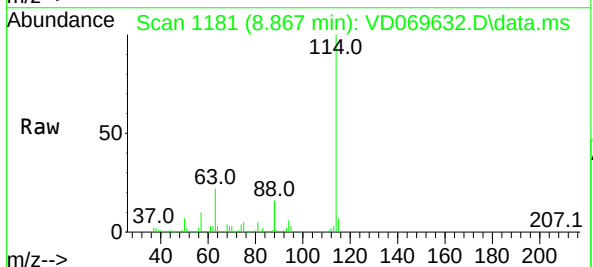
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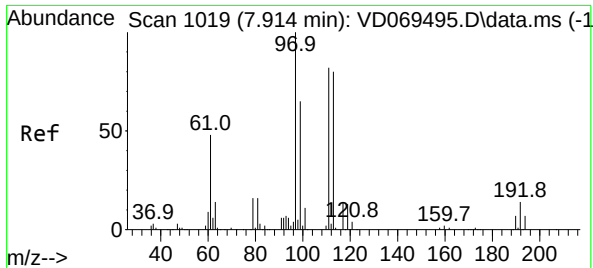
Tgt Ion: 65 Resp: 358166
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.867 min Scan# 1181
 Delta R.T. 0.000 min
 Lab File: VD069632.D
 Acq: 08 Jul 2021 16:35

Tgt Ion:114 Resp: 1110804
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.6
 88 15.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.653 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069632.D

Acq: 08 Jul 2021 16:35

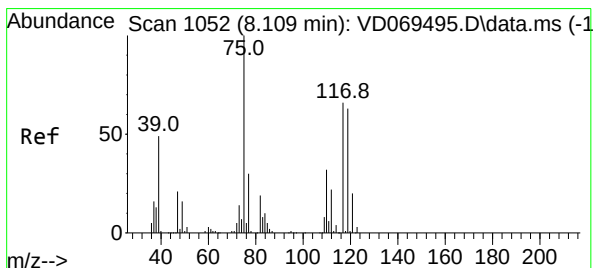
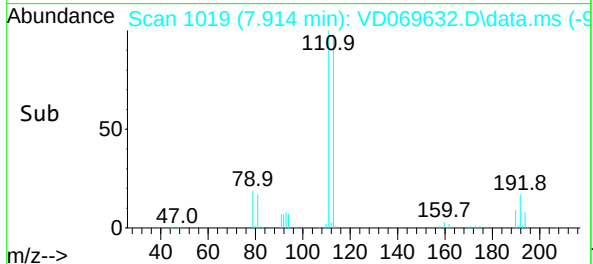
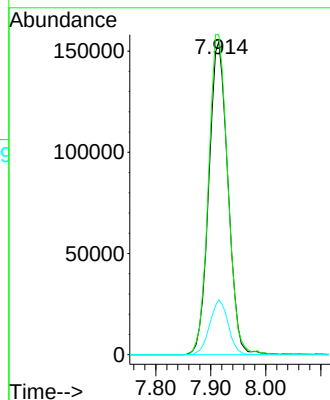
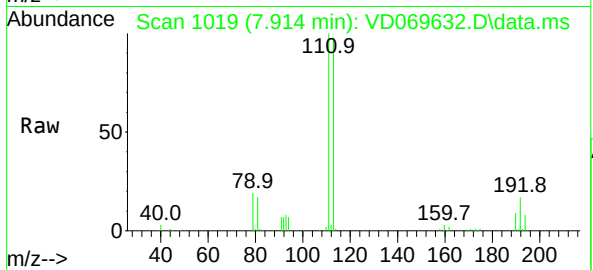
Tgt Ion:113 Resp: 372835

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

192 16.9 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.154 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069632.D

Acq: 08 Jul 2021 16:35

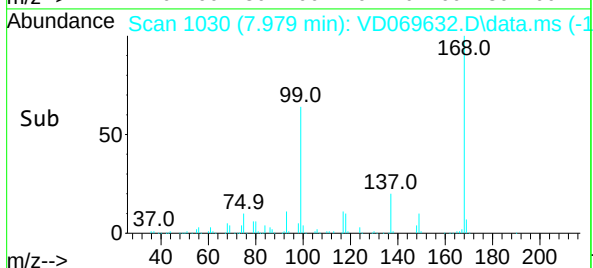
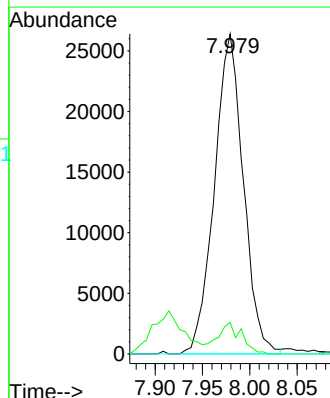
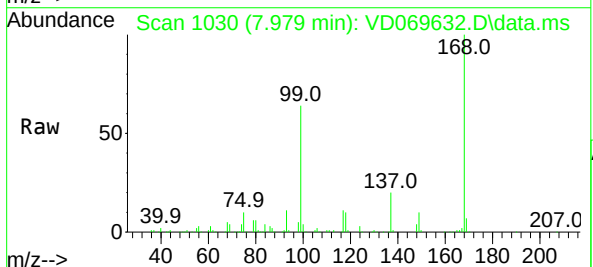
Tgt Ion: 75 Resp: 56188

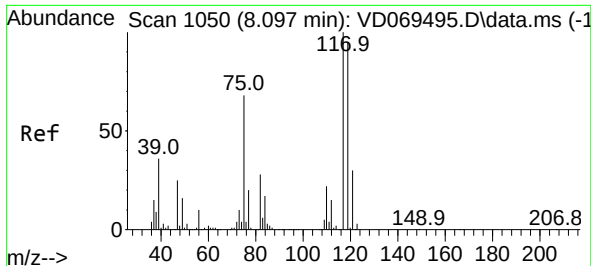
Ion Ratio Lower Upper

75 100

110 8.4 16.8 50.4#

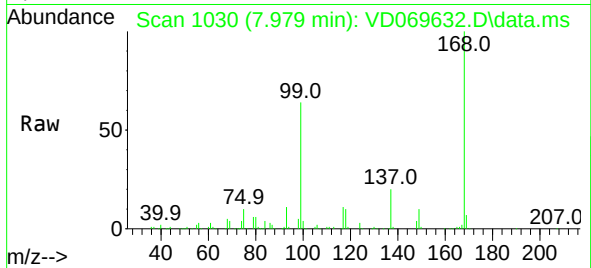
77 0.0 24.3 36.5#



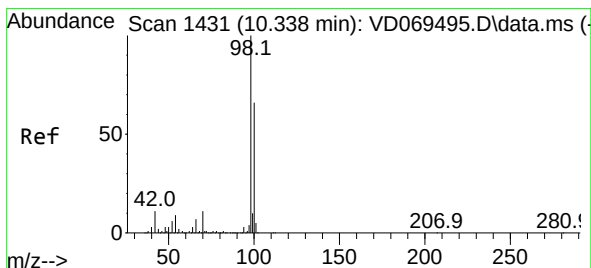
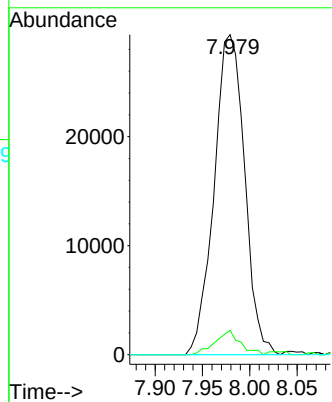
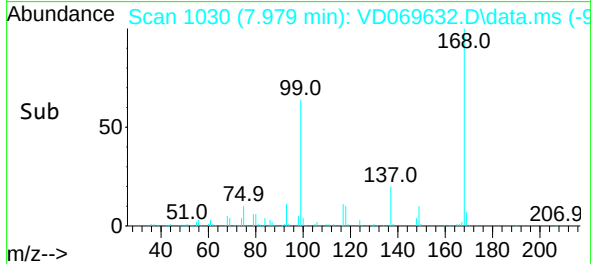


#38
Carbon Tetrachloride
Concen: 6.098 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

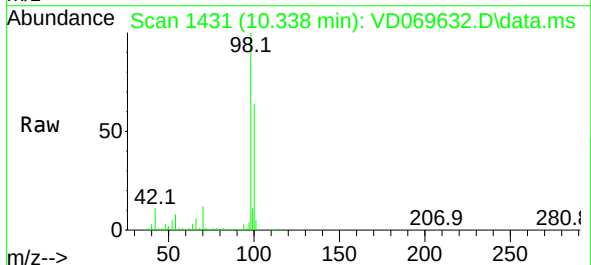
Instrument :
MSVOA_D
ClientSampleId :



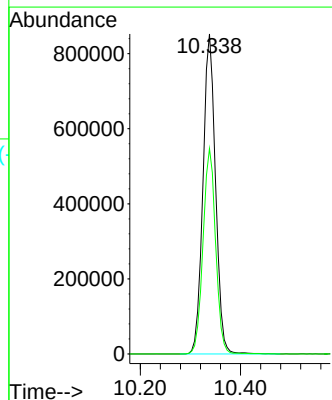
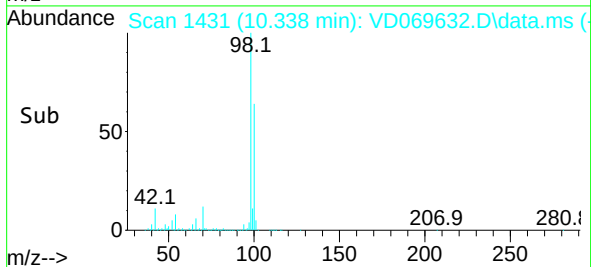
Tgt Ion:117 Resp: 65797
Ion Ratio Lower Upper
117 100
119 7.6 75.6 113.4#
121 0.0 23.8 35.8#

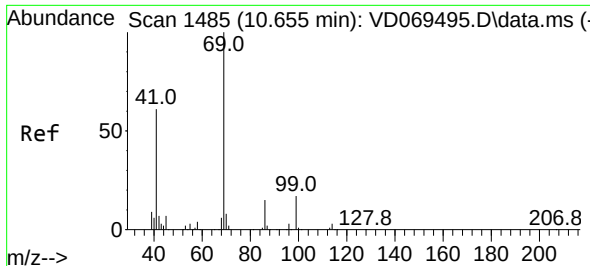


#50
Toluene-d8
Concen: 52.599 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35



Tgt Ion: 98 Resp: 1481469
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5

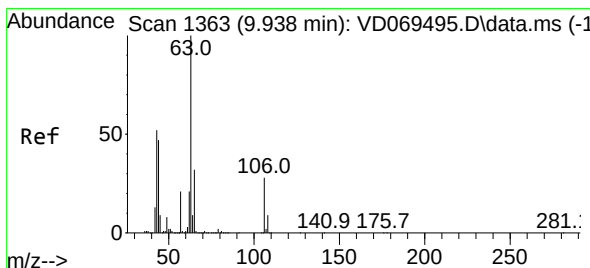
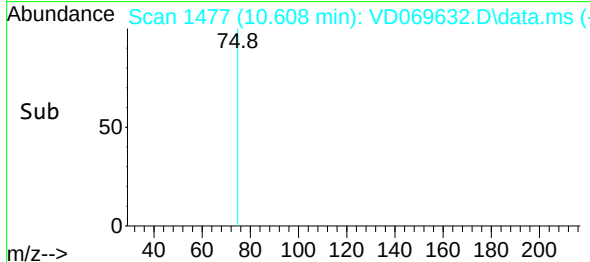
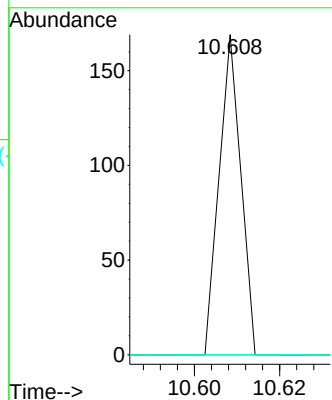
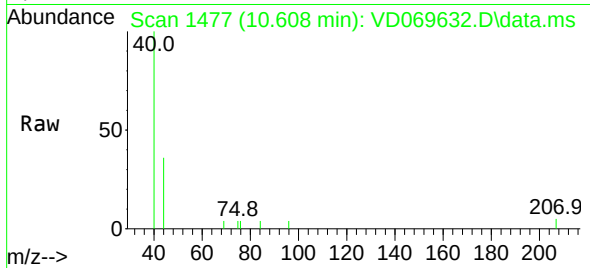




#56
Ethyl methacrylate
Concen: 2.589 ug/l
RT: 10.608 min Scan# 1477
Delta R.T. -0.047 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

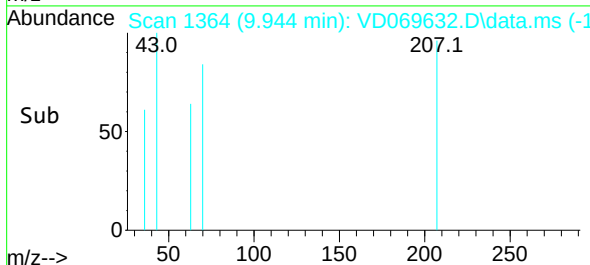
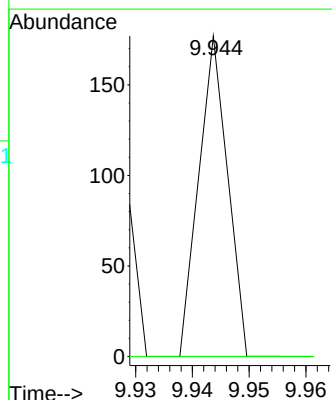
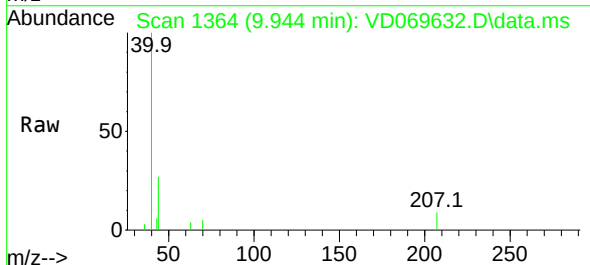
Instrument :
MSVOA_D
ClientSampleId :

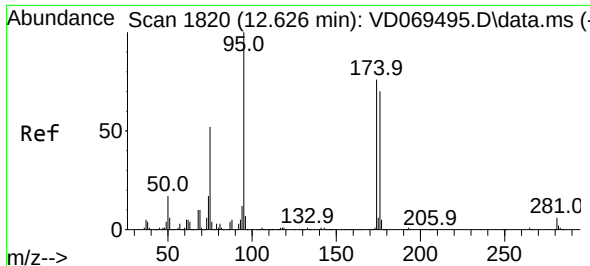
Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.616 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

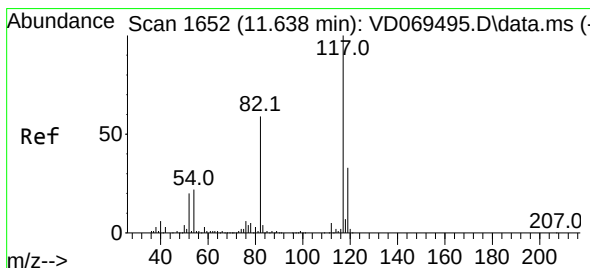
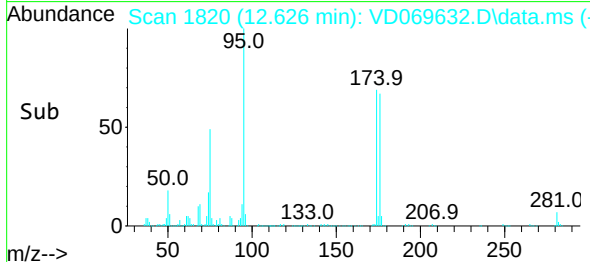
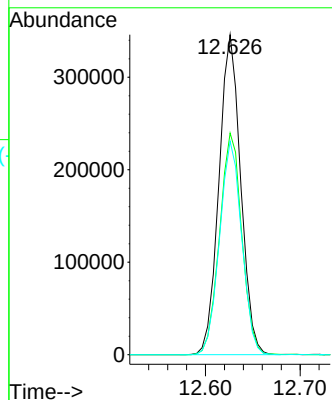
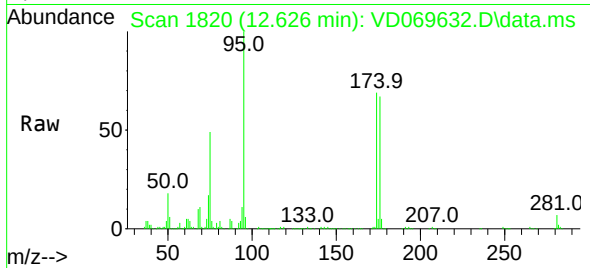




#62
4-Bromofluorobenzene
Concen: 59.581 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

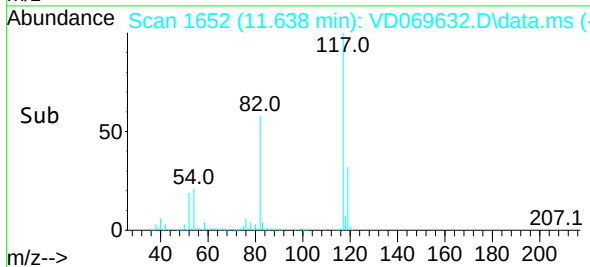
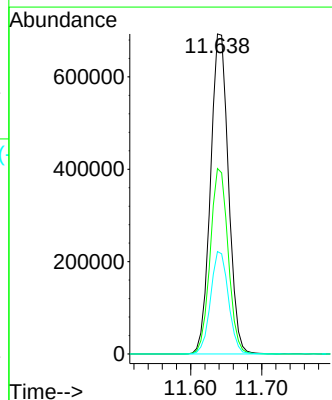
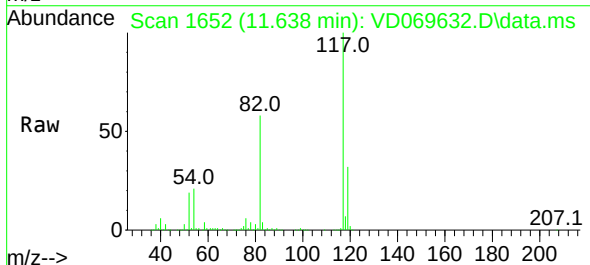
Instrument :
MSVOA_D
ClientSampleId :

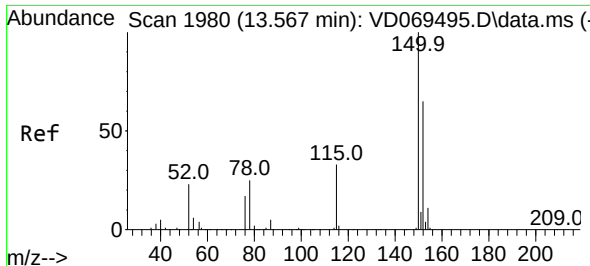
Tgt Ion: 95 Resp: 551686
Ion Ratio Lower Upper
95 100
174 70.9 0.0 148.0
176 67.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Tgt Ion: 117 Resp: 1216754
Ion Ratio Lower Upper
117 100
82 57.9 46.8 70.2
119 32.0 26.2 39.2

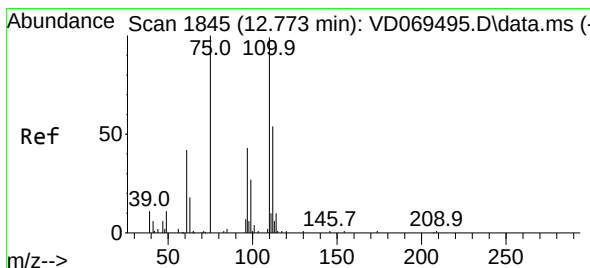
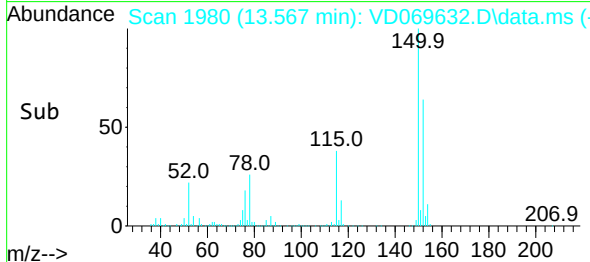
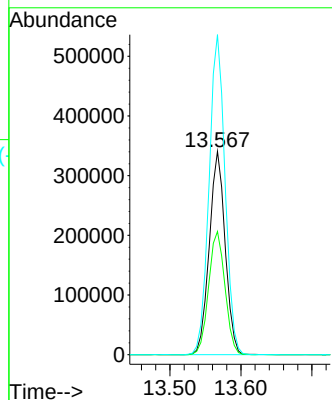
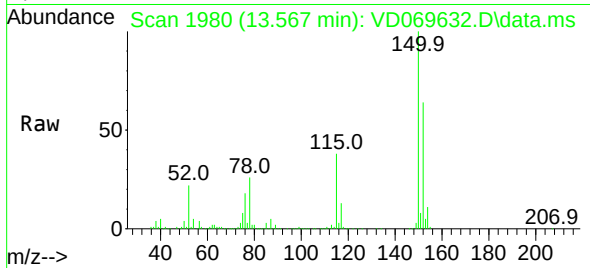




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

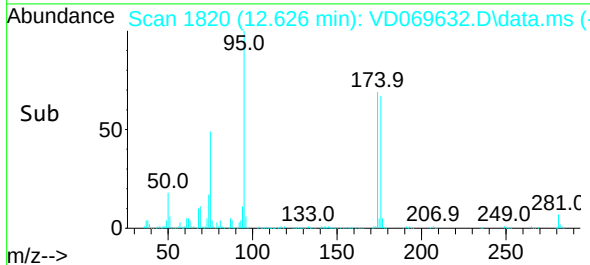
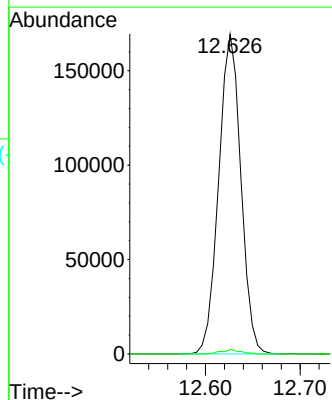
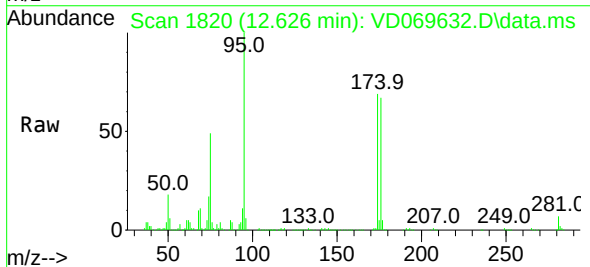
Instrument :
MSVOA_D
ClientSampleId :

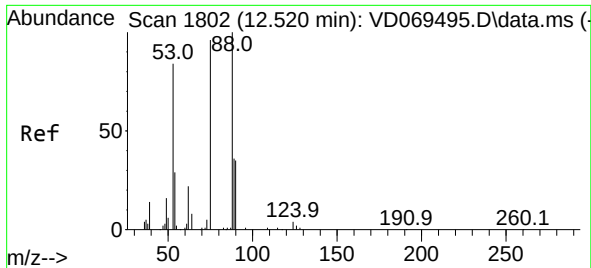
Tgt Ion:152 Resp: 529237
Ion Ratio Lower Upper
152 100
115 62.3 31.7 95.1
150 158.4 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 53.075 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

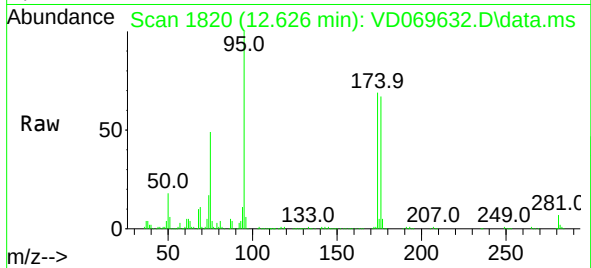
Tgt Ion: 75 Resp: 275731
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



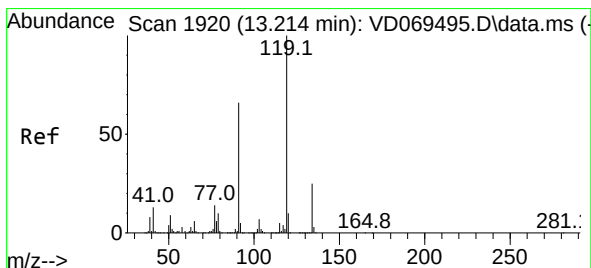
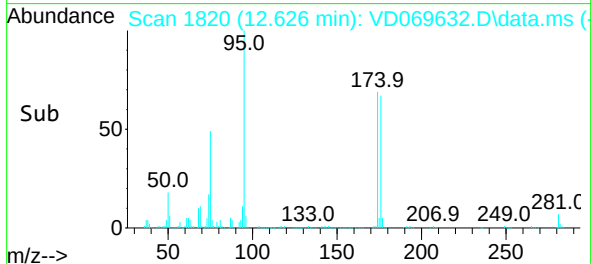
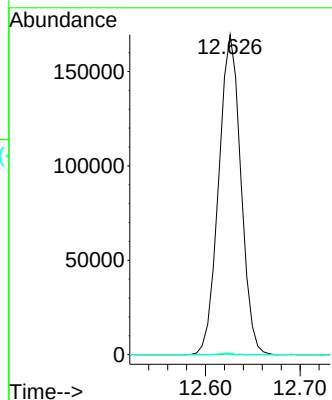


#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.521 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069632.D
 Acq: 08 Jul 2021 16:35

Instrument :
 MSVOA_D
 ClientSampleId :

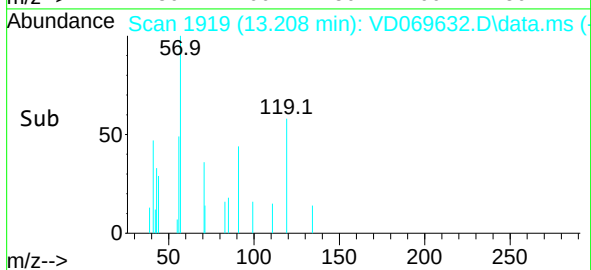
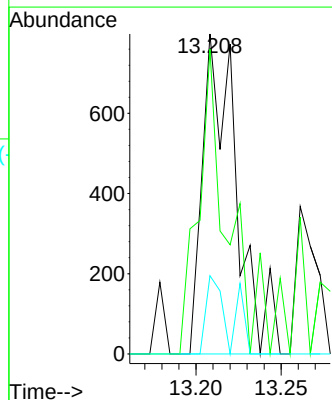
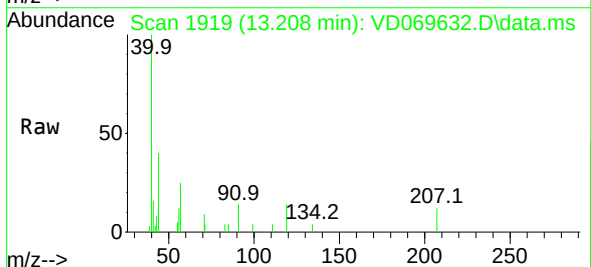


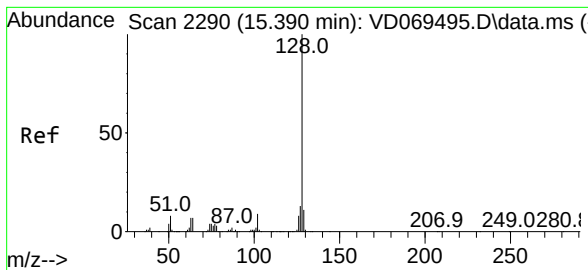
Tgt Ion: 75 Resp: 275731
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.3 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.031 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD069632.D
 Acq: 08 Jul 2021 16:35

Tgt Ion: 119 Resp: 1105
 Ion Ratio Lower Upper
 119 100
 91 83.4 32.5 97.4
 134 16.8 12.9 38.7





#95
Naphthalene
Concen: 3.389 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.012 min
Lab File: VD069632.D
Acq: 08 Jul 2021 16:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 606
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

