

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069724.D
 Acq On : 16 Jul 2021 14:43
 Operator : VA/SY
 Sample : M3029-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:52:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

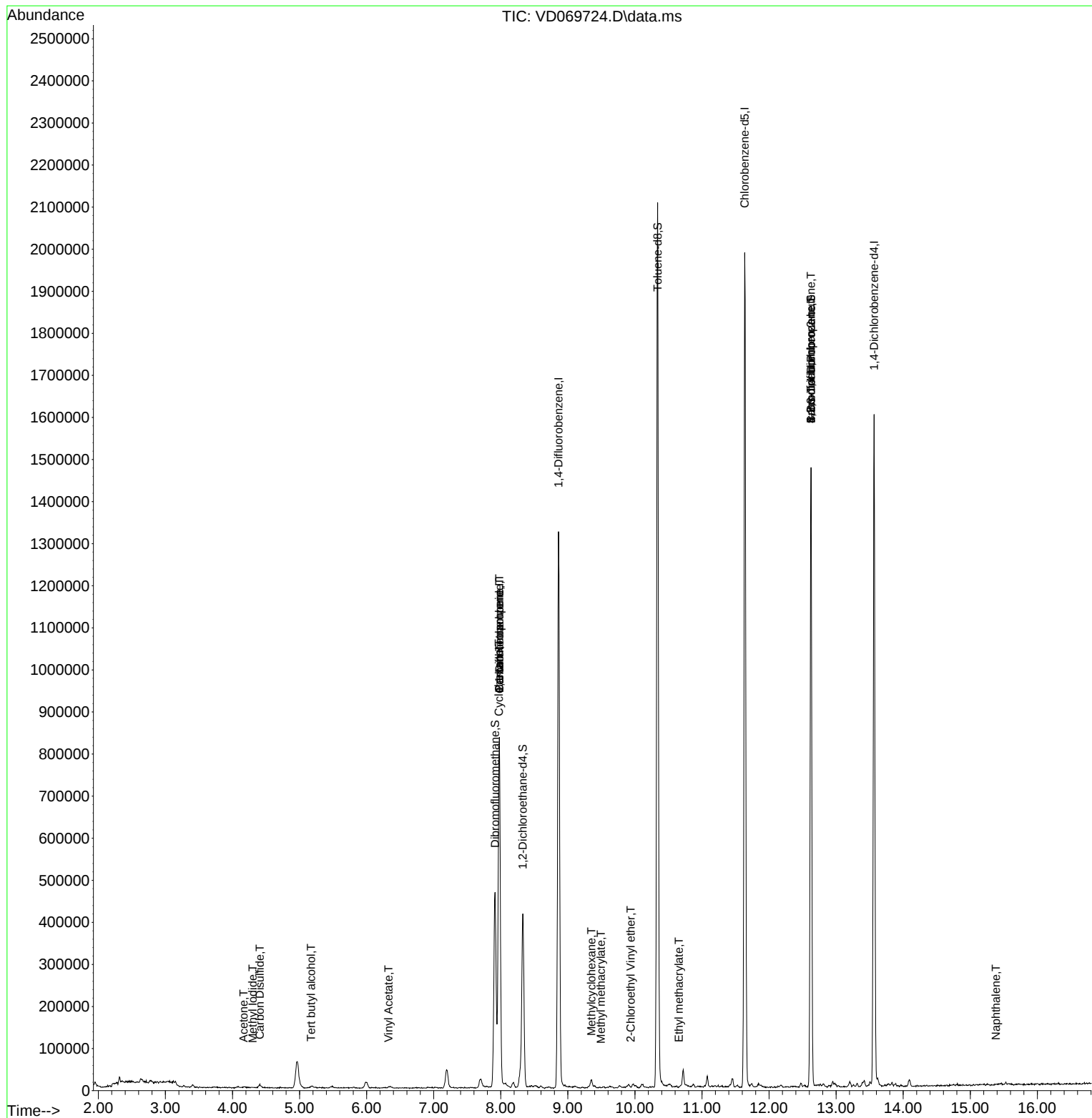
Internal Standards						
1) Pentafluorobenzene	7.979	168	580476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1105159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1157659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	408381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	326861	45.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.200%		
35) Dibromofluoromethane	7.914	113	346009	46.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.340%		
50) Toluene-d8	10.337	98	1428974	49.609	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.625	95	497424	51.779	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	3587	Below Cal	#	59
10) Methyl Iodide	4.302	142	2259	2.766	ug/l #	69
11) Tert butyl alcohol	5.173	59	1305	1.348	ug/l #	79
16) Acetone	4.167	43	3465	15.191	ug/l	99
17) Carbon Disulfide	4.408	76	14813	1.093	ug/l #	93
18) Methyl Acetate	4.708	43	222	Below Cal	#	49
23) Vinyl Acetate	6.326	43	71	15.431	ug/l #	72
31) Cyclohexane	7.973	56	16955	1.768	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52698	4.622	ug/l #	48
38) Carbon Tetrachloride	7.979	117	62446	5.981	ug/l #	18
39) Methylcyclohexane	9.349	83	6905	2.446	ug/l	88
48) Methyl methacrylate	9.490	41	232	1.158	ug/l #	13
56) Ethyl methacrylate	10.655	69	605	1.742	ug/l #	70
58) 2-Chloroethyl Vinyl ether	9.937	63	196	9.416	ug/l #	49
71) Bromoform	12.625	173	4388	1.096	ug/l #	1
76) 1,2,3-Trichloropropane	12.625	75	250612	63.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.625	75	250612	169.765	ug/l #	15
95) Naphthalene	15.384	128	1620	2.325	ug/l #	87

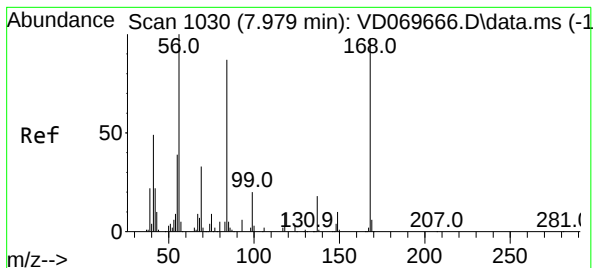
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

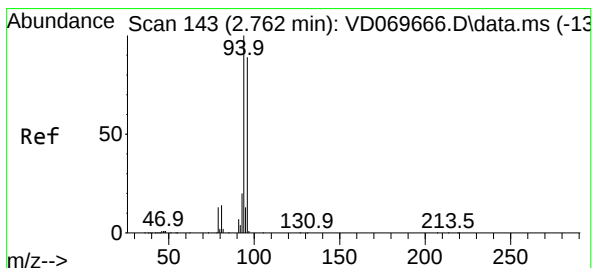
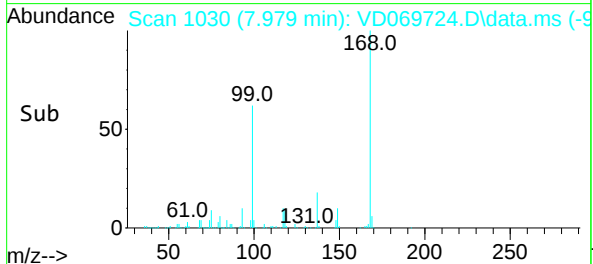
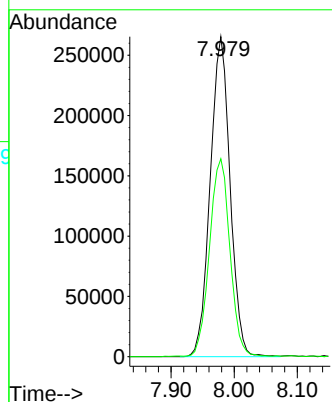
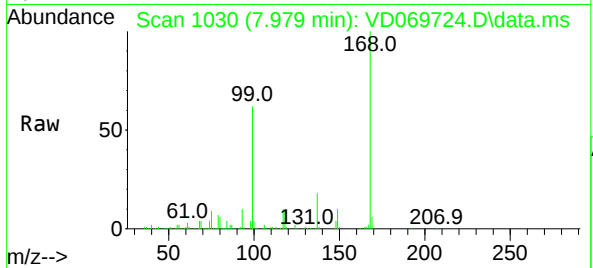




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

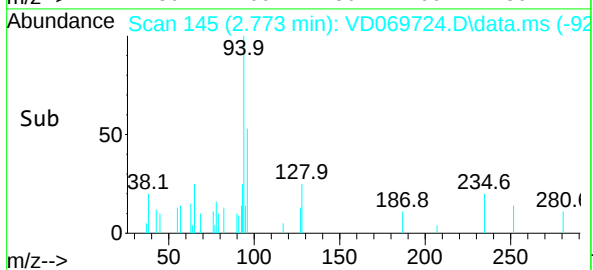
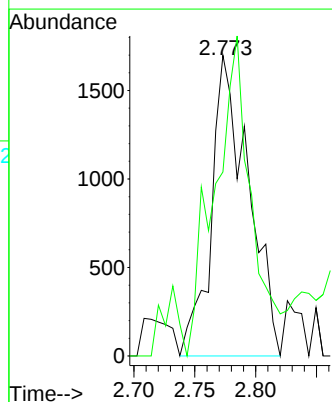
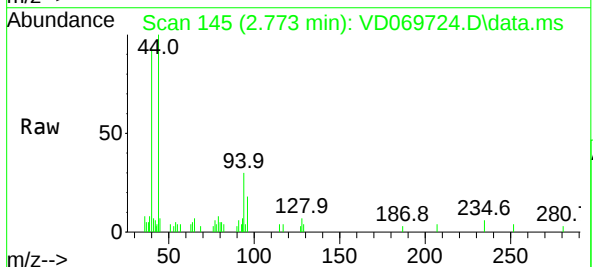
Instrument :
MSVOA_D
ClientSampleId :

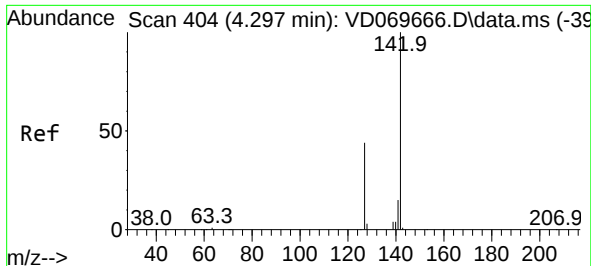
Tgt Ion:168 Resp: 580476
Ion Ratio Lower Upper
168 100
99 61.7 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

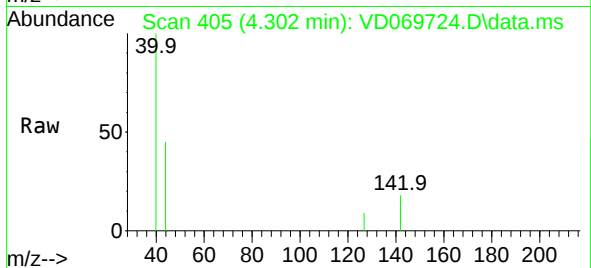
Tgt Ion: 94 Resp: 3587
Ion Ratio Lower Upper
94 100
96 50.6 71.2 106.8#



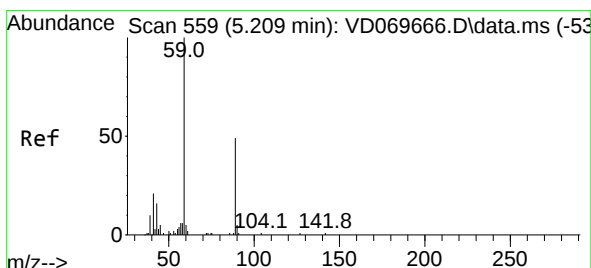
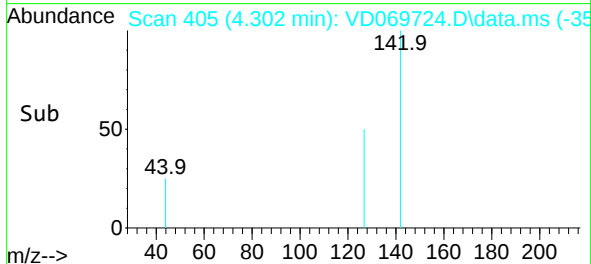
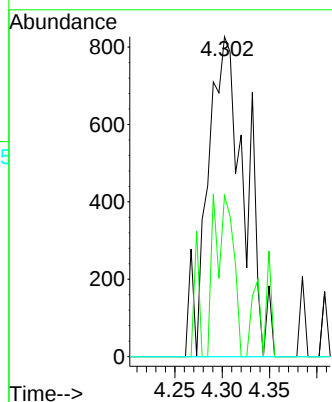


#10
Methyl Iodide
Concen: 2.766 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Instrument :
MSVOA_D
ClientSampled :

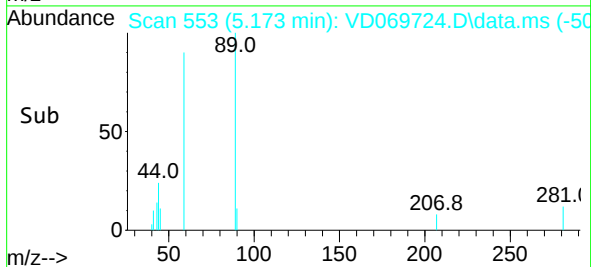
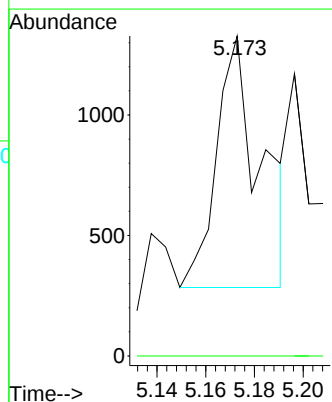
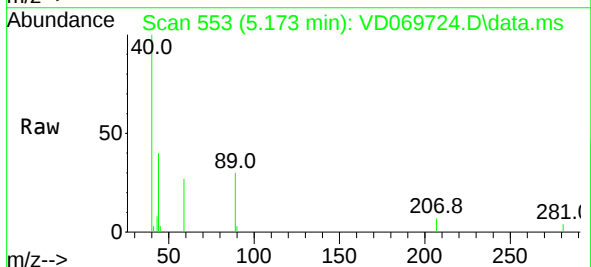


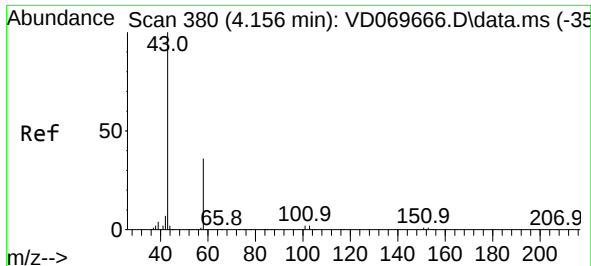
Tgt Ion:142 Resp: 2259
Ion Ratio Lower Upper
142 100
127 25.6 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.348 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 59 Resp: 1305
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

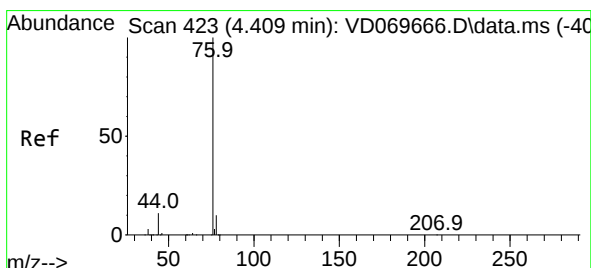
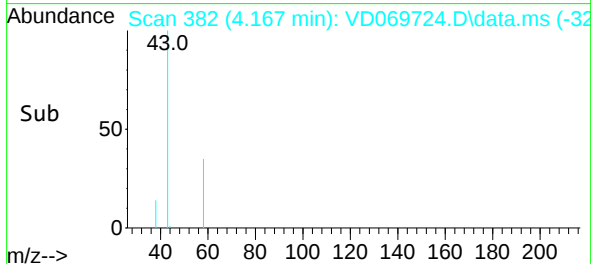
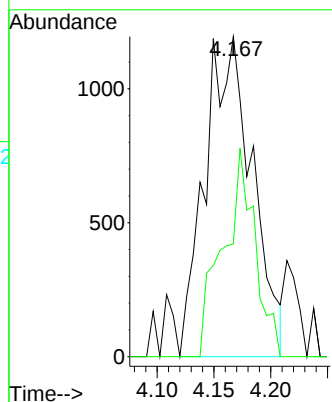
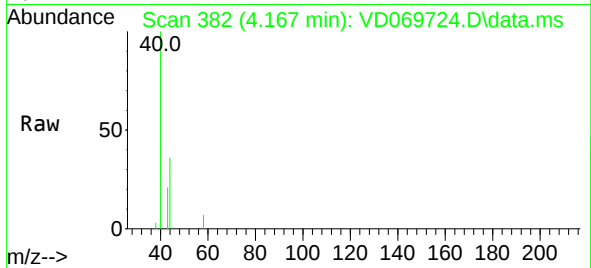




#16
Acetone
Concen: 15.191 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

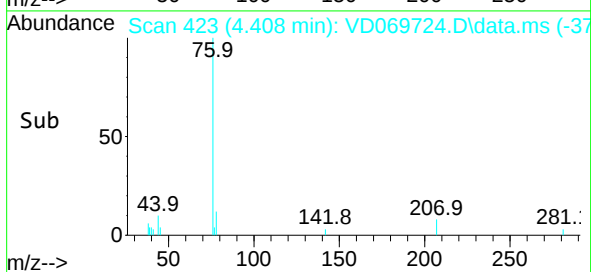
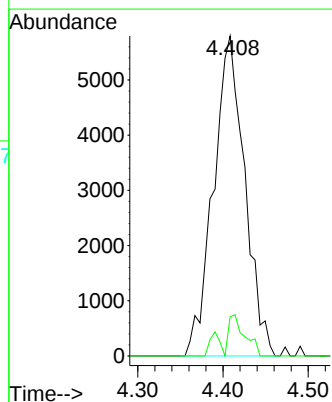
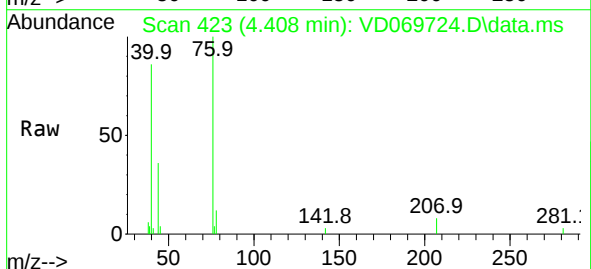
Instrument :
MSVOA_D
ClientSampleId :

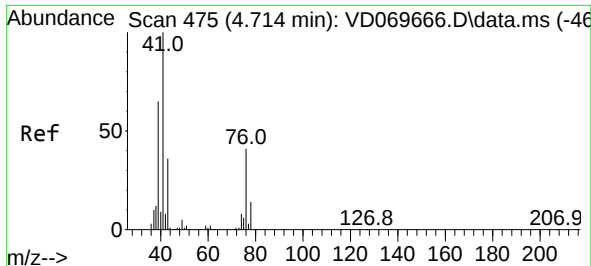
Tgt Ion: 43 Resp: 3465
Ion Ratio Lower Upper
43 100
58 35.2 28.6 42.8



#17
Carbon Disulfide
Concen: 1.093 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.001 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 76 Resp: 14813
Ion Ratio Lower Upper
76 100
78 12.2 7.6 11.4#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.708 min Scan# 474

Delta R.T. -0.006 min

Lab File: VD069724.D

Acq: 16 Jul 2021 14:43

Instrument :

MSVOA_D

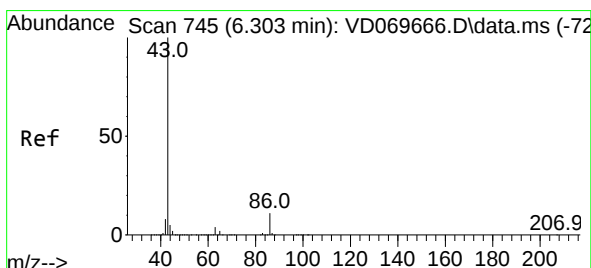
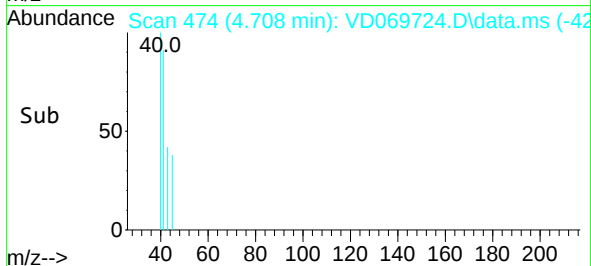
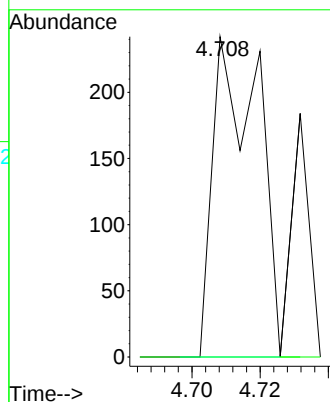
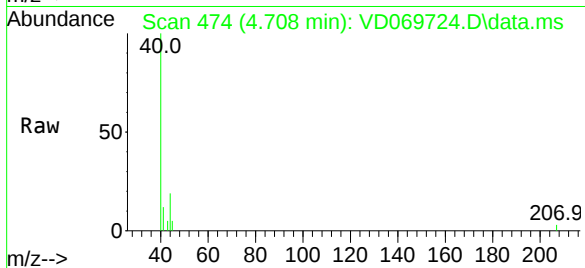
ClientSampleId :

Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#



#23

Vinyl Acetate

Concen: 15.431 ug/l

RT: 6.326 min Scan# 749

Delta R.T. 0.023 min

Lab File: VD069724.D

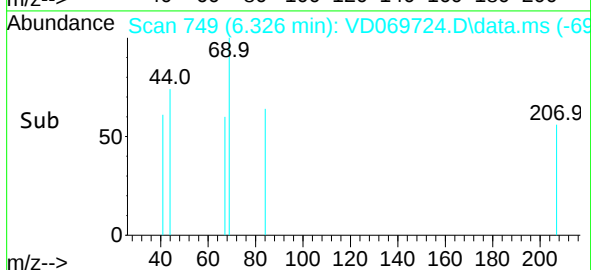
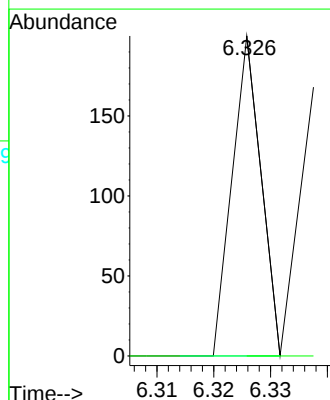
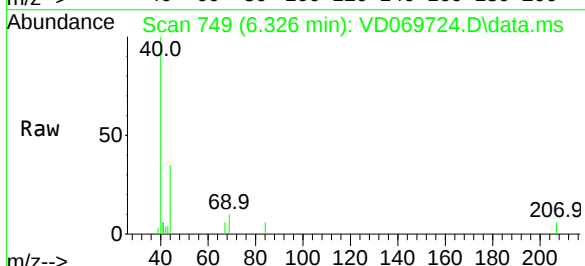
Acq: 16 Jul 2021 14:43

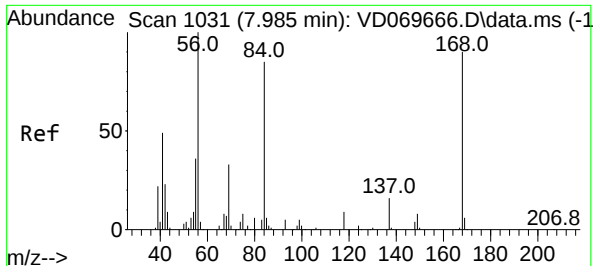
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

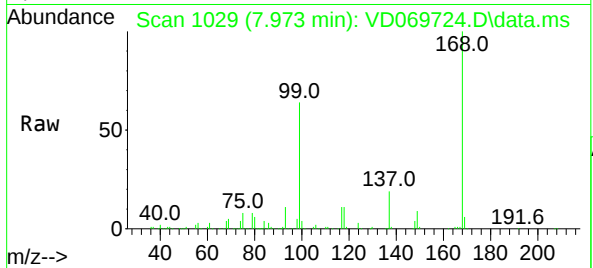
86 0.0 8.6 12.8#



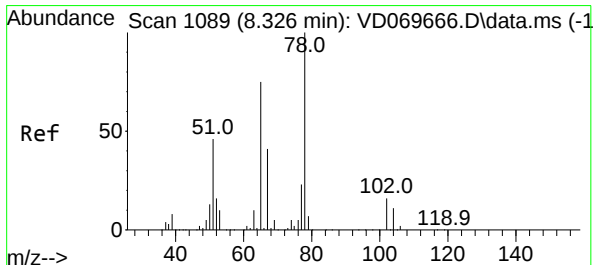
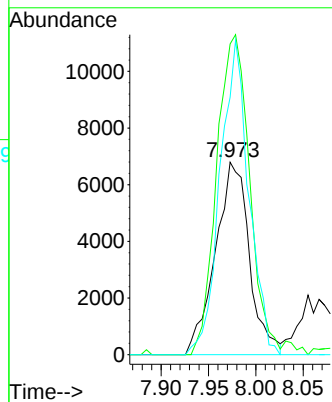
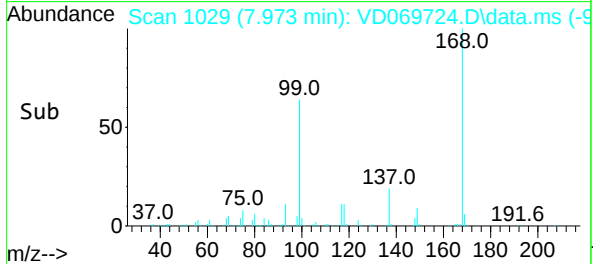


#31
Cyclohexane
Concen: 1.768 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

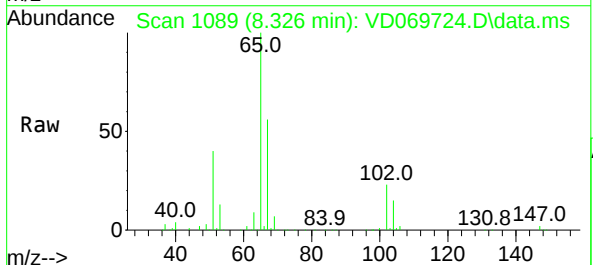
Instrument :
MSVOA_D
ClientSampleId :



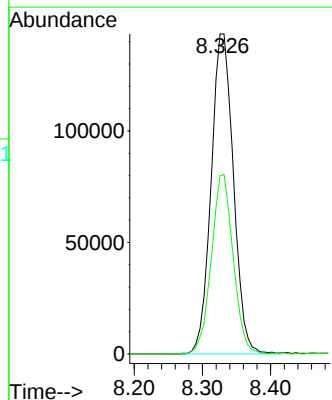
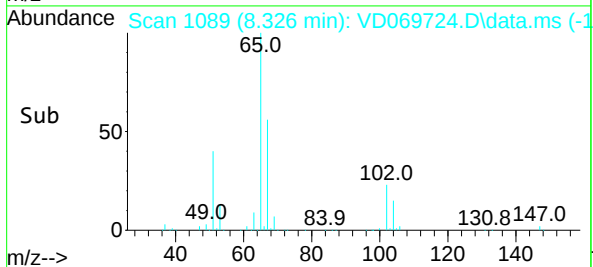
Tgt Ion: 56 Resp: 16955
Ion Ratio Lower Upper
56 100
69 161.4 26.6 39.8#
84 133.7 68.2 102.2#

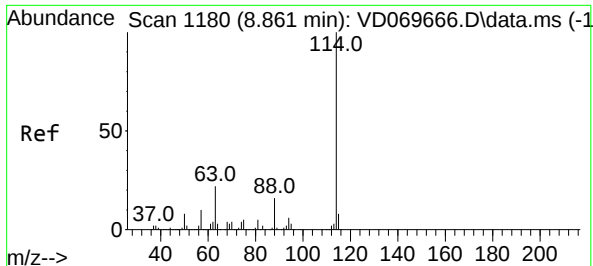


#33
1,2-Dichloroethane-d4
Concen: 45.097 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43



Tgt Ion: 65 Resp: 326861
Ion Ratio Lower Upper
65 100
67 54.9 0.0 107.2



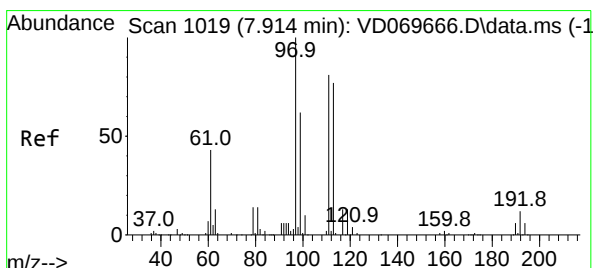
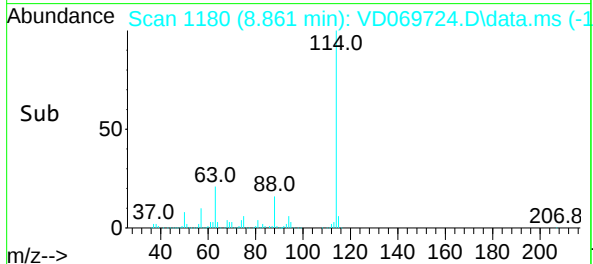
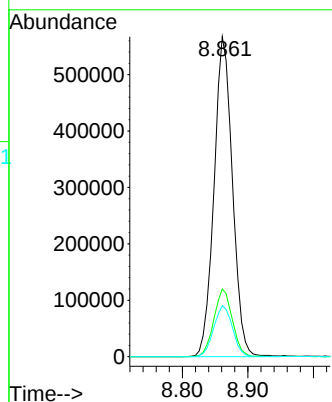
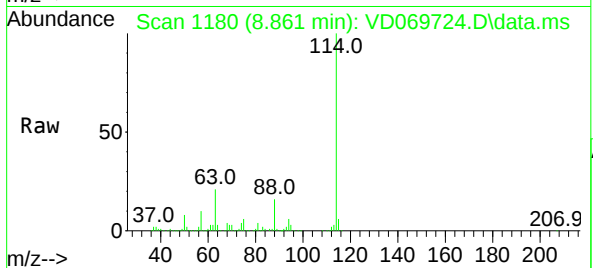


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Instrument :
MSVOA_D
ClientSampleId :

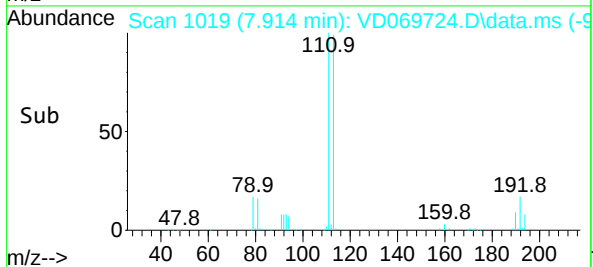
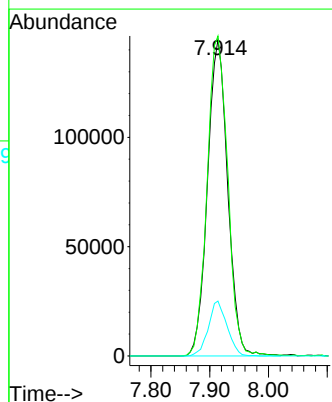
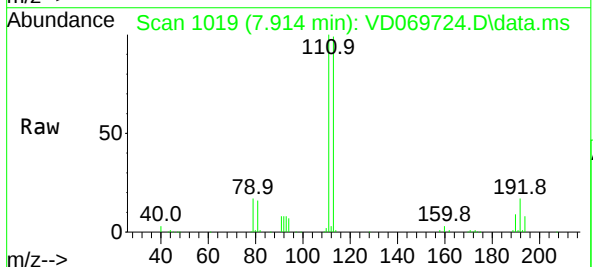
Tgt Ion:114 Resp: 1105159
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.4
88 16.0 0.0 32.0

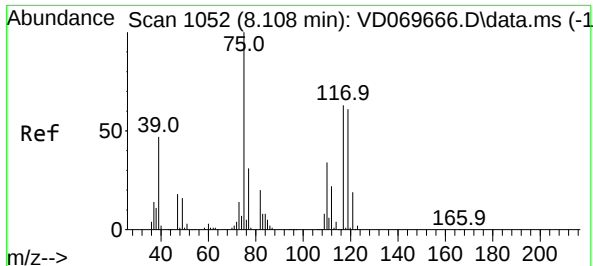


#35

Dibromofluoromethane
Concen: 46.668 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion:113 Resp: 346009
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 16.0 12.7 19.1

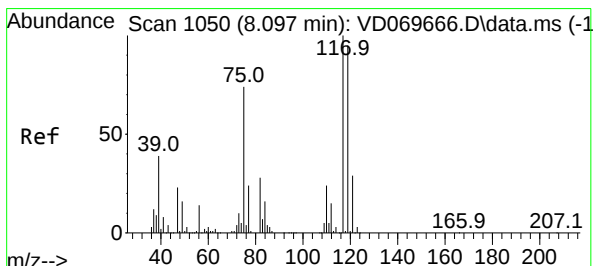
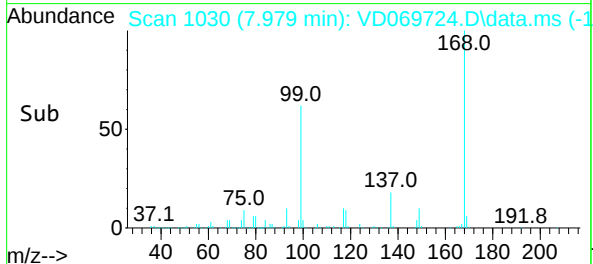
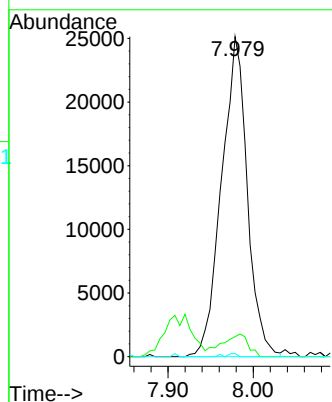
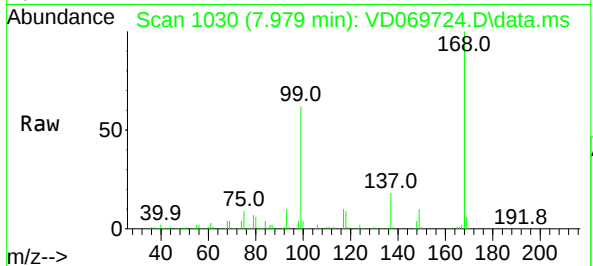




#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

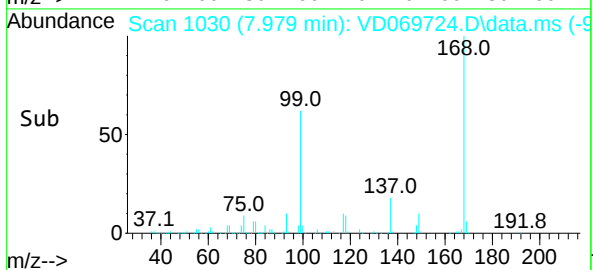
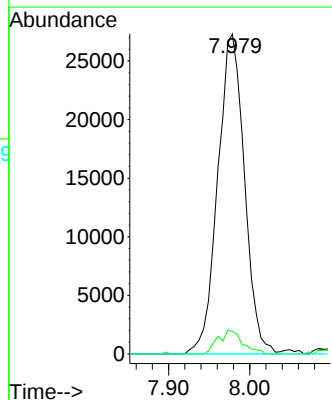
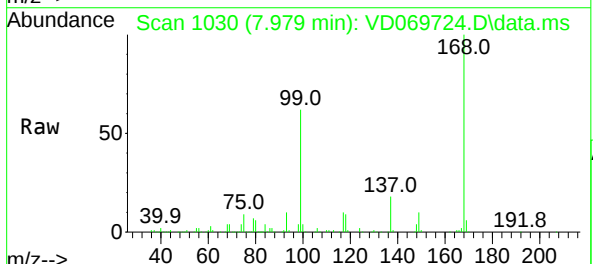
Instrument :
MSVOA_D
ClientSampled :

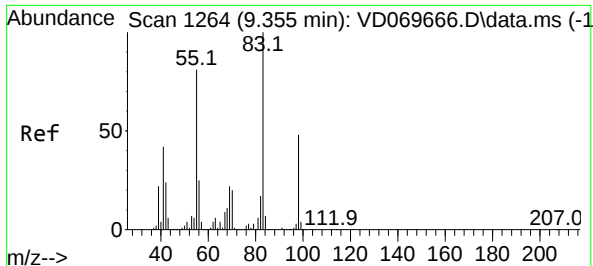
Tgt Ion: 75 Resp: 52698
Ion Ratio Lower Upper
75 100
110 6.3 16.7 50.0#
77 0.4 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.981 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 117 Resp: 62446
Ion Ratio Lower Upper
117 100
119 7.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.446 ug/l

RT: 9.349 min Scan# 1263

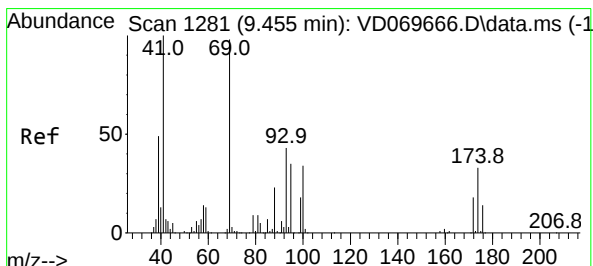
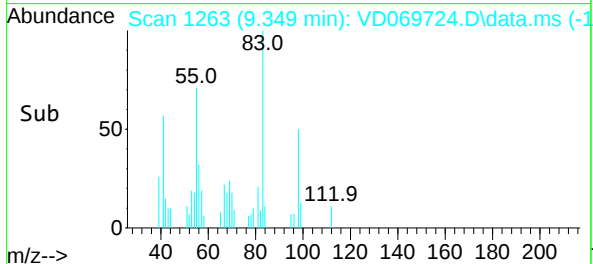
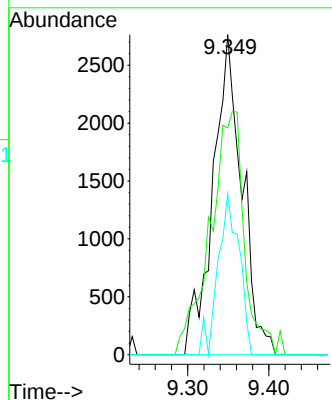
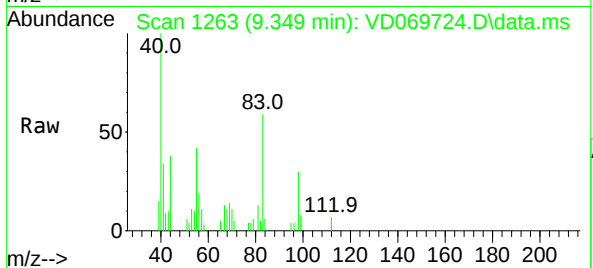
Delta R.T. -0.006 min

Lab File: VD069724.D

Acq: 16 Jul 2021 14:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 83	Resp: 6905
Ion Ratio	Lower Upper
83 100	
55 65.1	64.6 97.0
98 50.3	38.4 57.6



#48

Methyl methacrylate

Concen: 1.158 ug/l

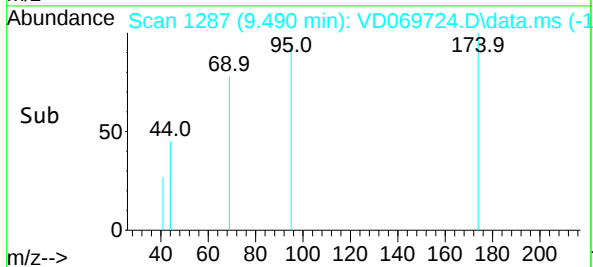
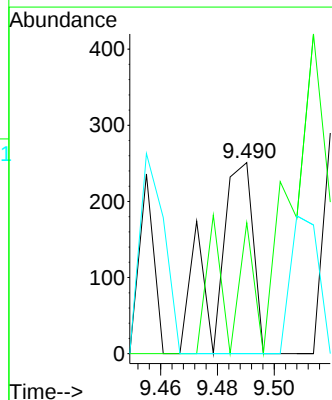
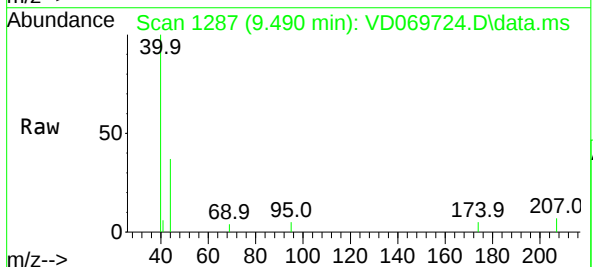
RT: 9.490 min Scan# 1287

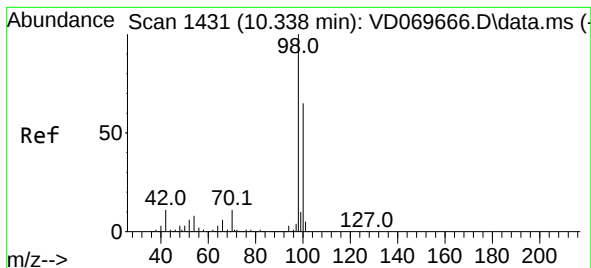
Delta R.T. 0.035 min

Lab File: VD069724.D

Acq: 16 Jul 2021 14:43

Tgt Ion: 41	Resp: 232
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

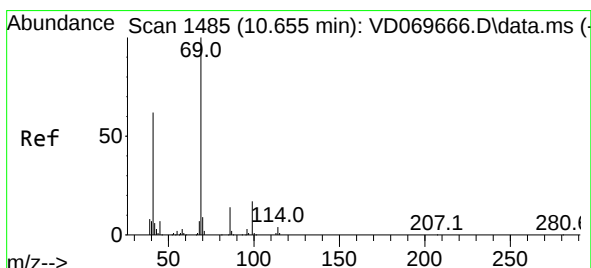
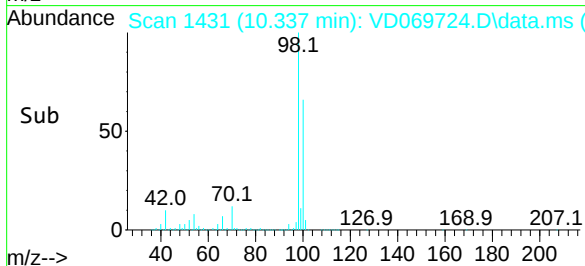
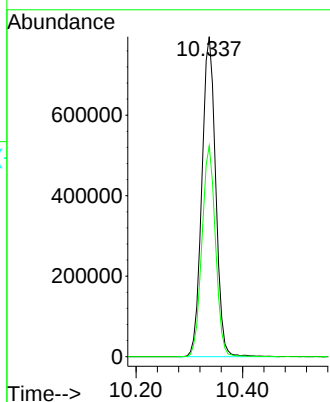
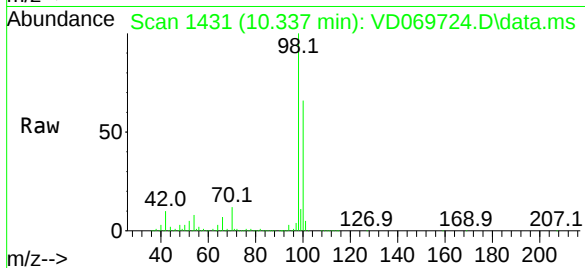




#50
Toluene-d8
Concen: 49.609 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

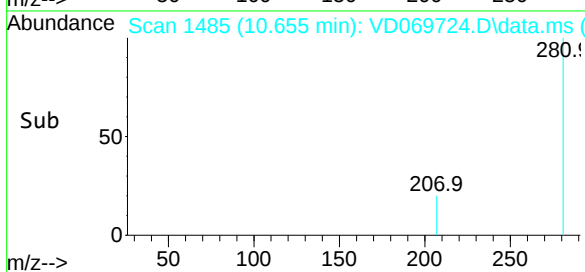
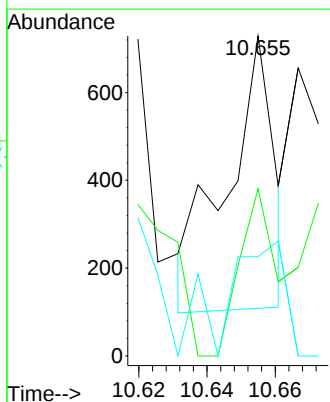
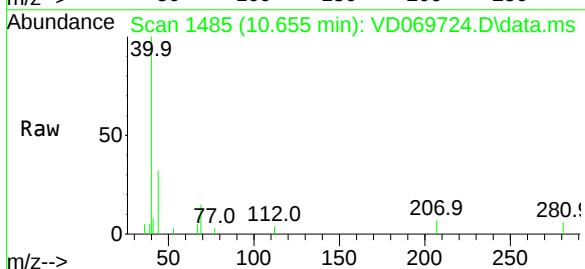
Instrument :
MSVOA_D
ClientSampled :

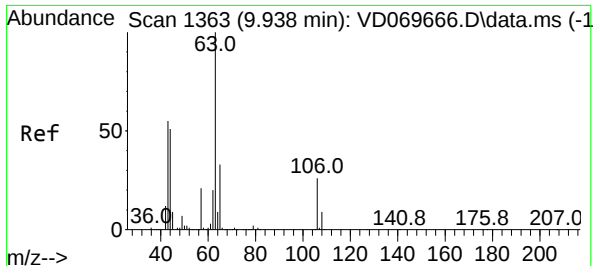
Tgt Ion: 98 Resp: 1428974
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.742 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

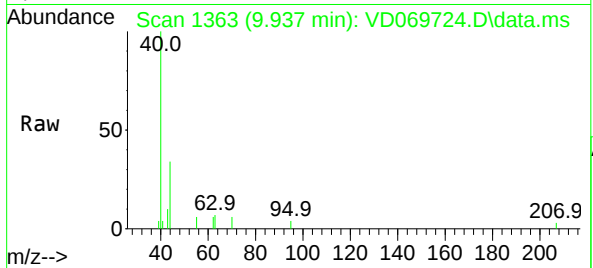
Tgt Ion: 69 Resp: 605
Ion Ratio Lower Upper
69 100
41 44.1 49.5 74.3#
39 52.6 22.5 33.7#



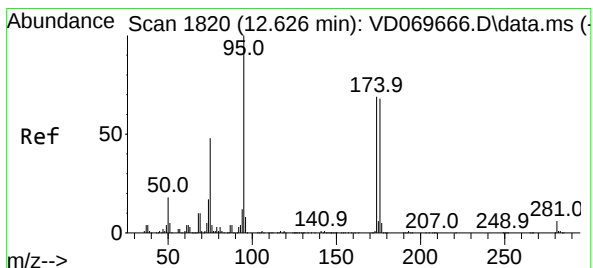
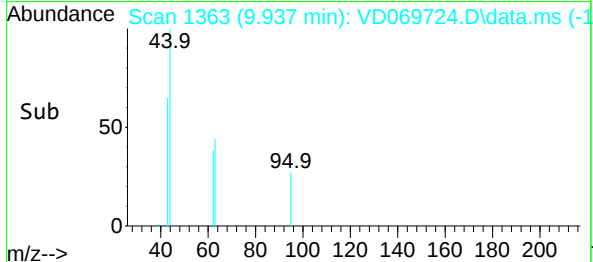
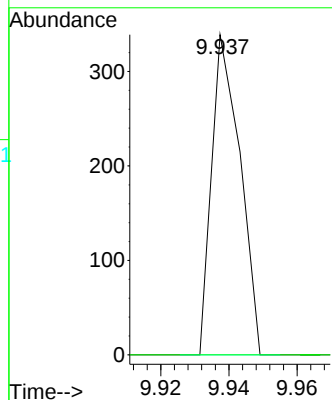


#58
2-Chloroethyl Vinyl ether
Concen: 9.416 ug/l
RT: 9.937 min Scan# 1363
Delta R.T. -0.001 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Instrument :
MSVOA_D
ClientSampled :

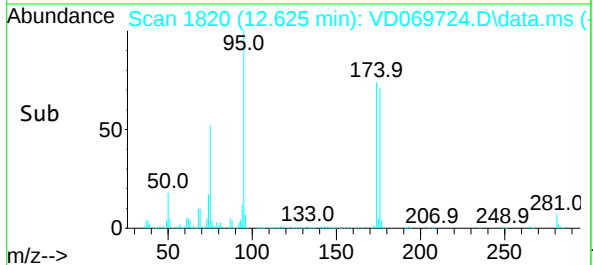
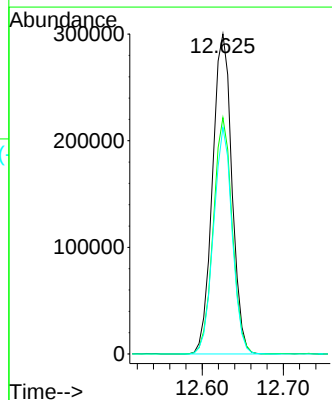
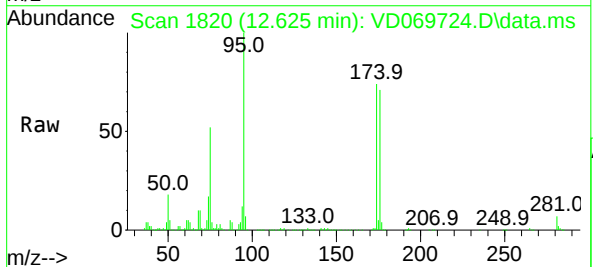


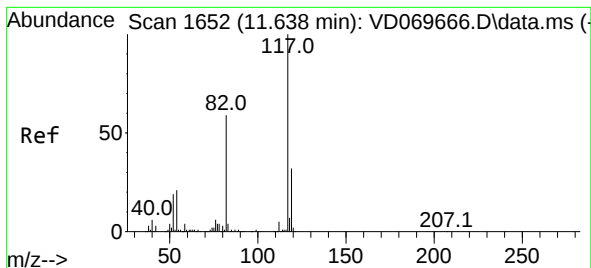
Tgt Ion: 63 Resp: 196
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 95 Resp: 497424
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.0
176 68.1 0.0 136.2

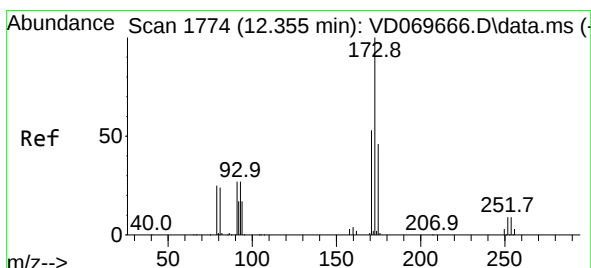
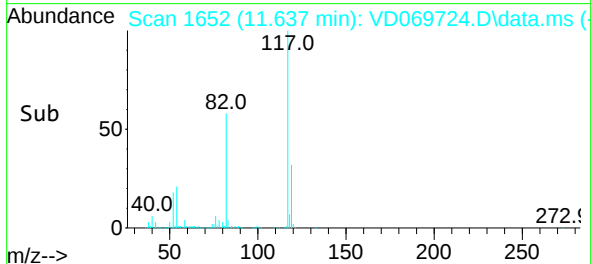
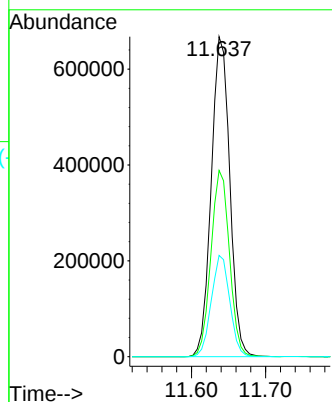
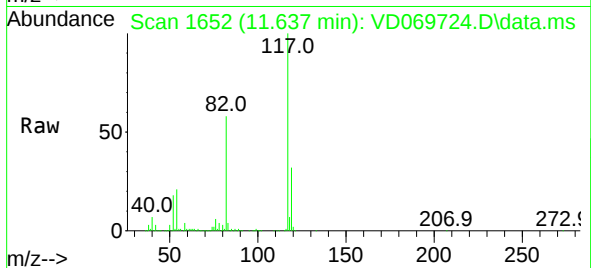




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

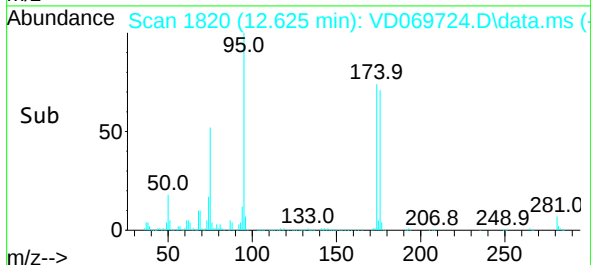
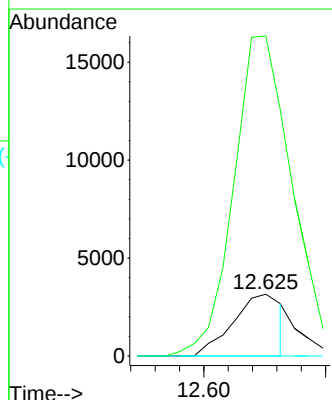
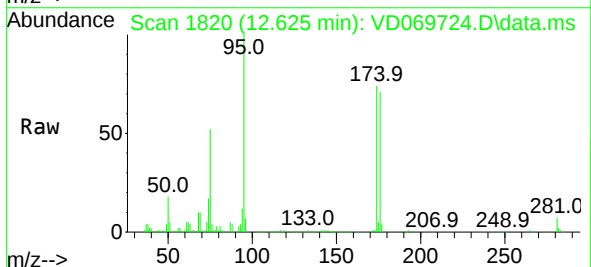
Instrument :
MSVOA_D
ClientSampleId :

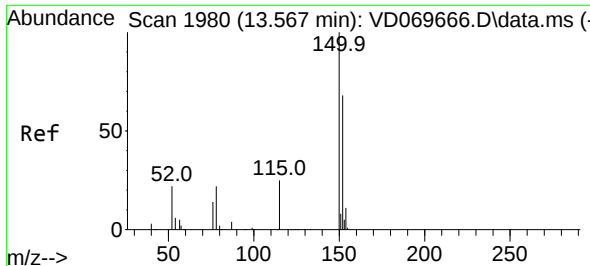
Tgt Ion:117 Resp: 1157659
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 31.7 25.5 38.3



#71
Bromoform
Concen: 1.096 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion:173 Resp: 4388
Ion Ratio Lower Upper
173 100
175 499.6 24.2 72.6#
254 0.0 0.1 0.1#

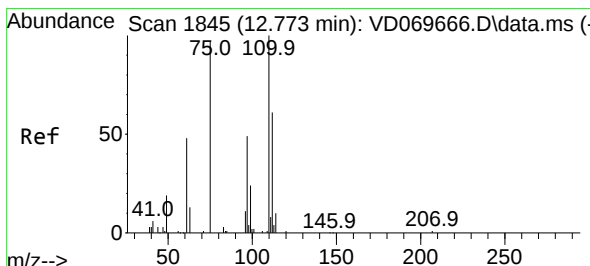
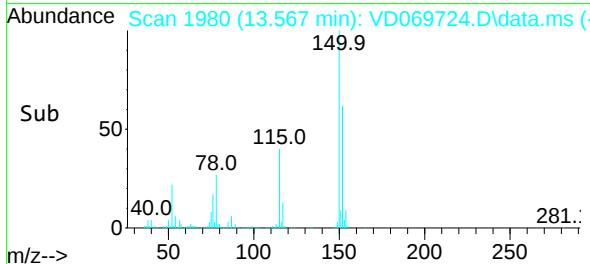
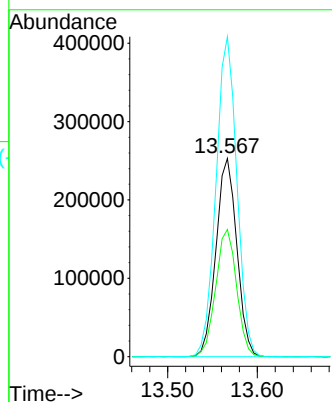
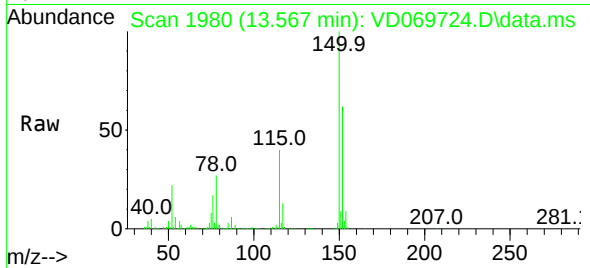




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

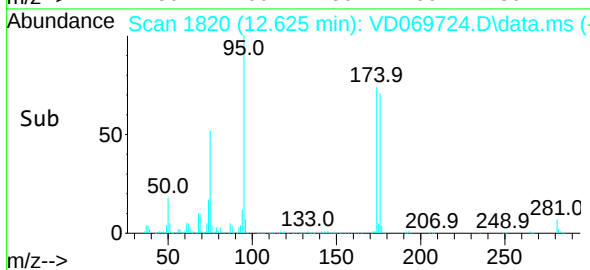
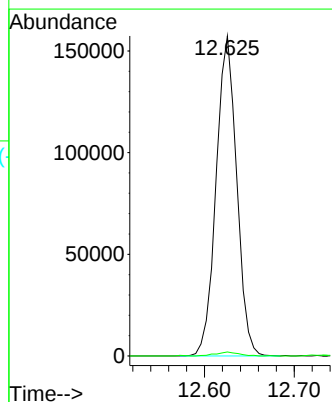
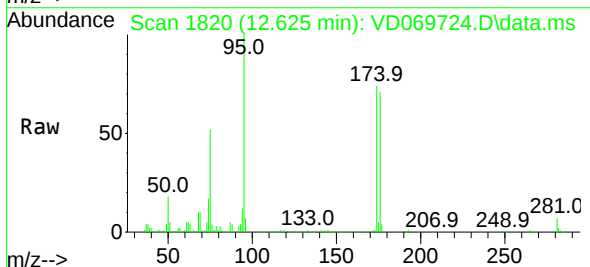
Instrument :
MSVOA_D
ClientSampleId :

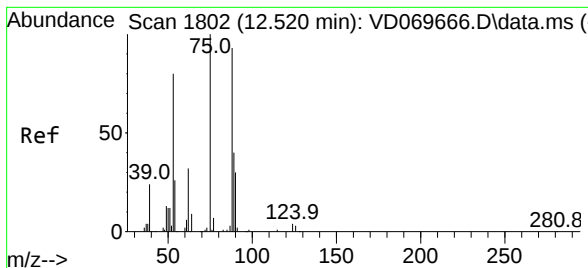
Tgt Ion:152 Resp: 408381
Ion Ratio Lower Upper
152 100
115 64.3 31.7 95.1
150 161.6 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 63.169 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion: 75 Resp: 250612
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

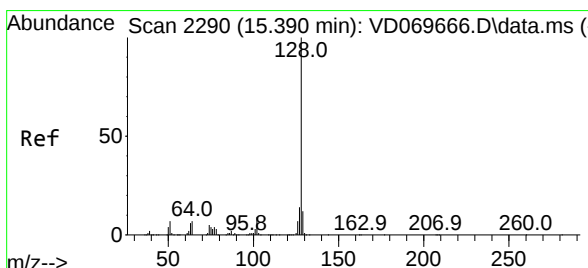
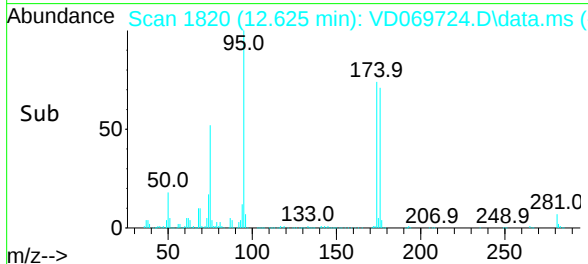
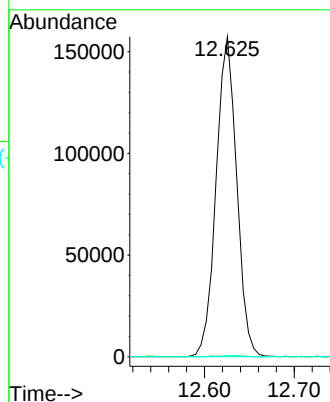
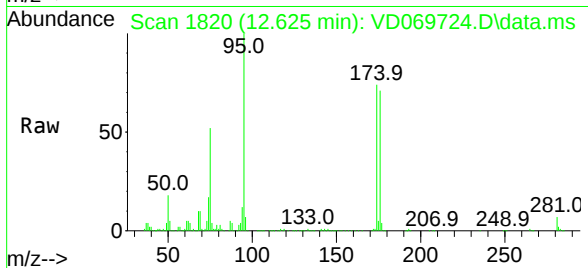




#81
trans-1,4-Dichloro-2-butene
Concen: 169.765 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 250612
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.3 35.1 52.7#



#95
Naphthalene
Concen: 2.325 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069724.D
Acq: 16 Jul 2021 14:43

Tgt Ion:128 Resp: 1620
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 0.0 8.8 13.2#

