

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071295.D
 Acq On : 13 Dec 2021 14:35
 Operator : VA/SY
 Sample : M5017-39RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:13:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

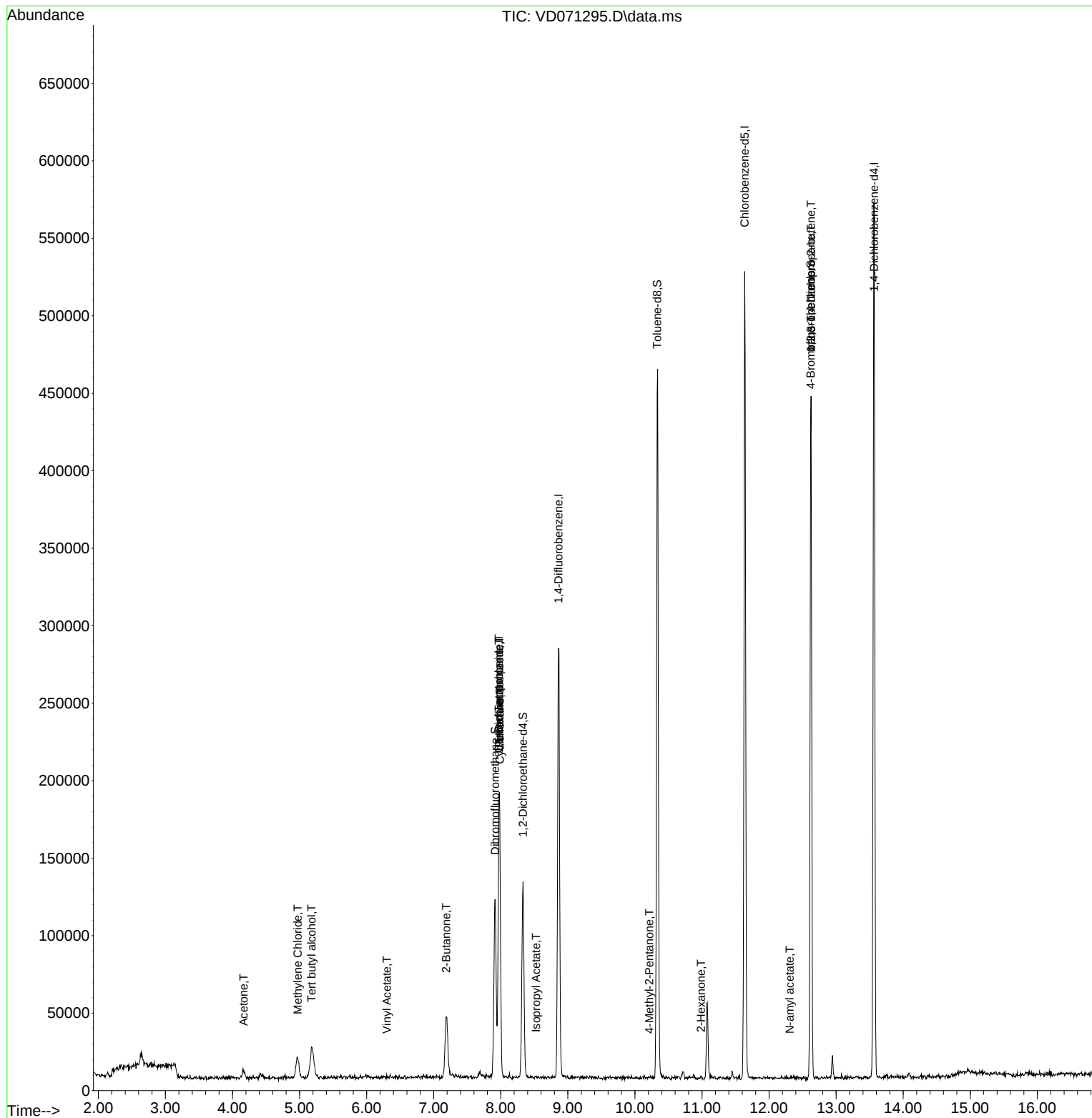
Internal Standards						
1) Pentafluorobenzene	7.979	168	131780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	227384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	277791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	142804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	98658	63.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.600%	
35) Dibromofluoromethane	7.914	113	80367	55.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.000%	
50) Toluene-d8	10.332	98	296297	53.772	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.540%	
62) 4-Bromofluorobenzene	12.620	95	136016	71.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.420%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.179	59	20461	190.799	ug/l #	73
16) Acetone	4.167	43	9104	50.237	ug/l	90
20) Methylene Chloride	4.973	84	9004	1.739	ug/l	91
23) Vinyl Acetate	6.302	43	79	27.246	ug/l #	72
25) 2-Butanone	7.185	43	2262	32.588	ug/l #	72
31) Cyclohexane	7.985	56	3984	1.515	ug/l #	41
36) 1,1-Dichloropropene	7.973	75	13331	6.273	ug/l #	49
38) Carbon Tetrachloride	7.973	117	13440	6.416	ug/l #	17
41) Methacrylonitrile	7.443	41	54	Below Cal	#	32
43) Isopropyl Acetate	8.526	43	57	5.248	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	790	31.321	ug/l #	74
59) 2-Hexanone	10.984	43	59	34.639	ug/l #	22
74) N-amyl acetate	12.308	43	72	5.724	ug/l #	40
76) 1,2,3-Trichloropropane	12.625	75	76454	56.192	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	76454	122.027	ug/l #	18

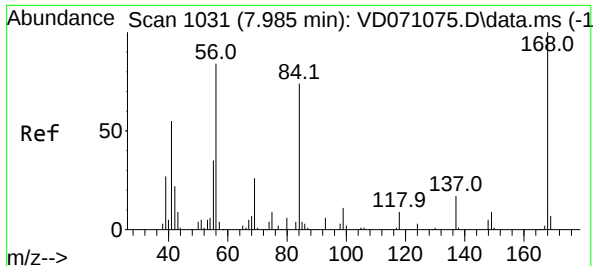
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 08:13:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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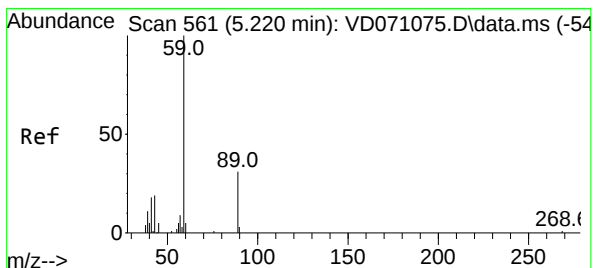
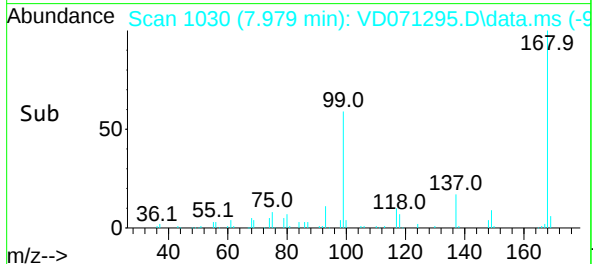
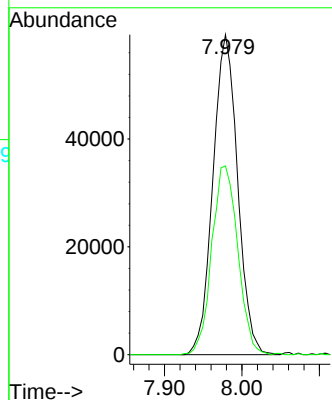
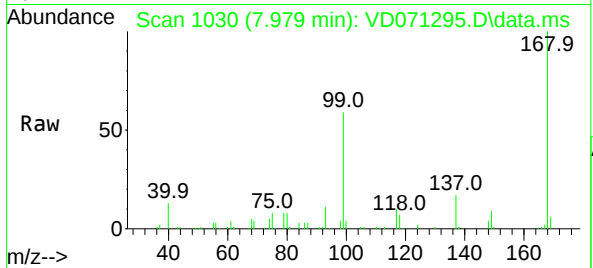




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

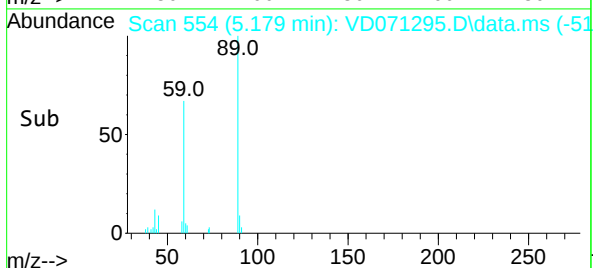
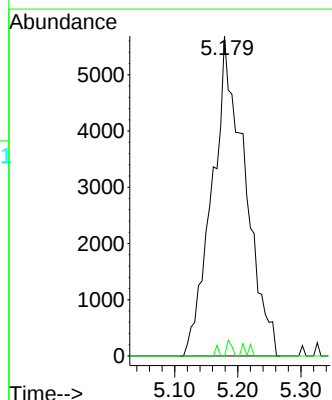
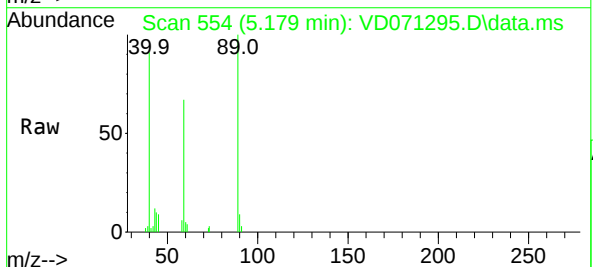
Instrument :
MSVOA_D
ClientSampleId :

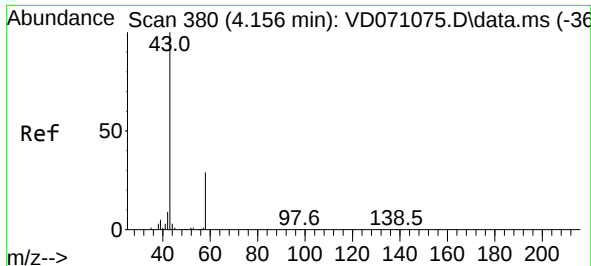
Tgt Ion:168 Resp: 131780
Ion Ratio Lower Upper
168 100
99 59.0 46.6 69.8



#11
Tert butyl alcohol
Concen: 190.799 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

Tgt Ion: 59 Resp: 20461
Ion Ratio Lower Upper
59 100
57 0.8 9.0 13.4#

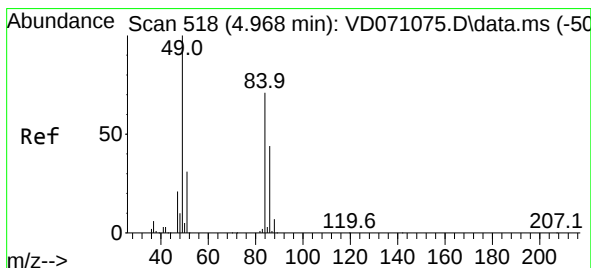
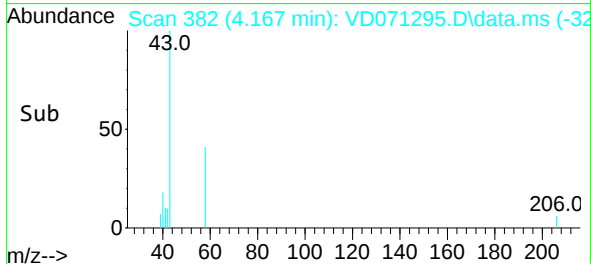
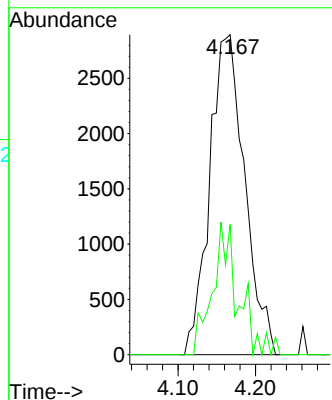
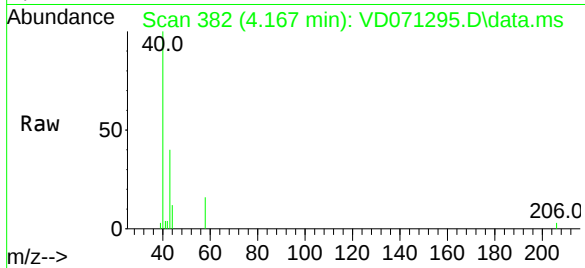




#16
Acetone
Concen: 50.237 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.011 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

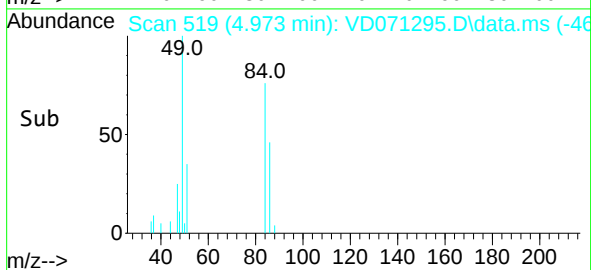
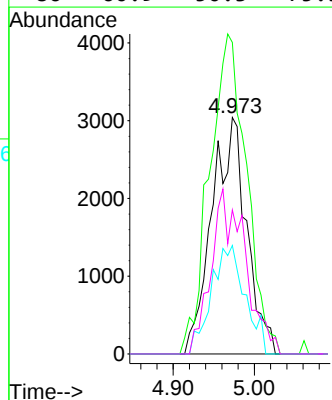
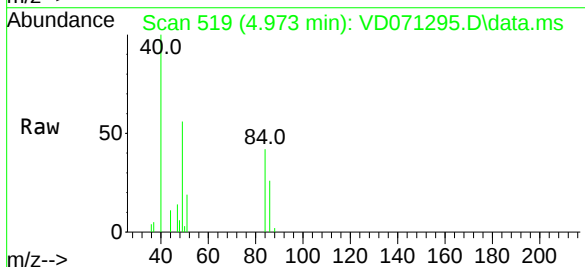
Instrument :
MSVOA_D
ClientSampleId :

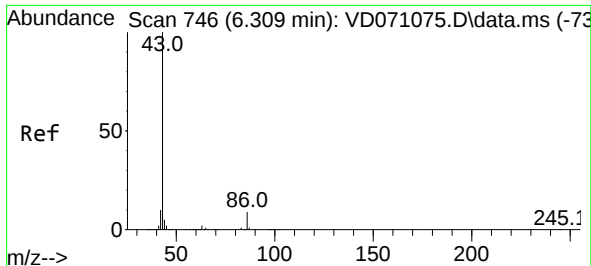
Tgt Ion: 43 Resp: 9104
Ion Ratio Lower Upper
43 100
58 40.7 27.8 41.8



#20
Methylene Chloride
Concen: 1.739 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

Tgt Ion: 84 Resp: 9004
Ion Ratio Lower Upper
84 100
49 131.7 95.8 143.6
51 45.9 30.9 46.3
86 60.9 50.3 75.5

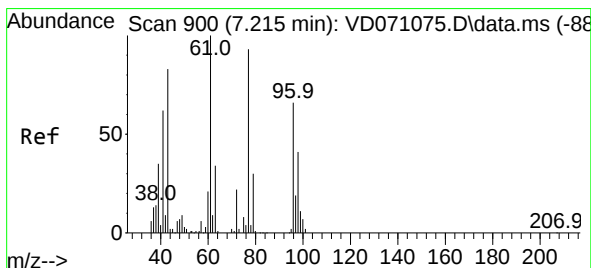
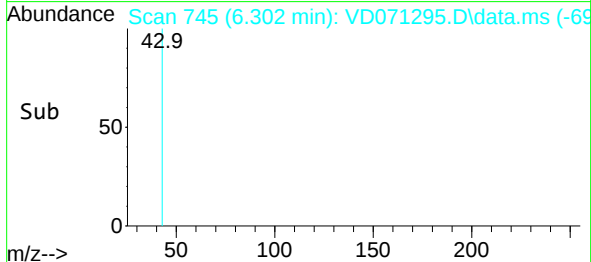
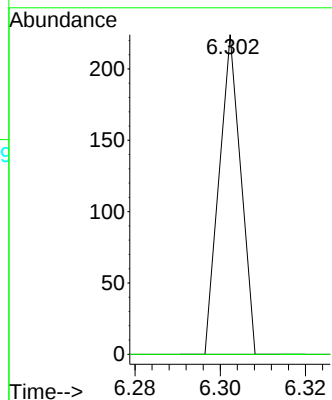
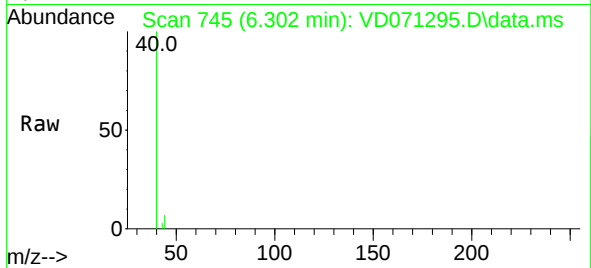




#23
 Vinyl Acetate
 Concen: 27.246 ug/l
 RT: 6.302 min Scan# 746
 Delta R.T. -0.007 min
 Lab File: VD071295.D
 Acq: 13 Dec 2021 14:35

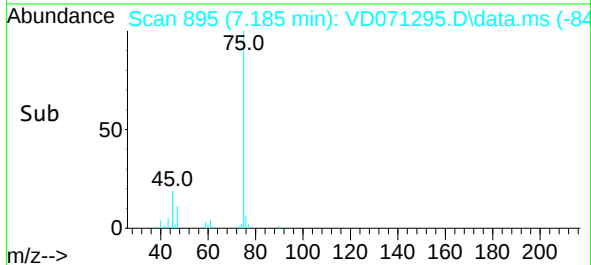
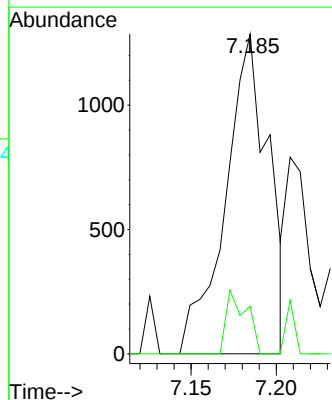
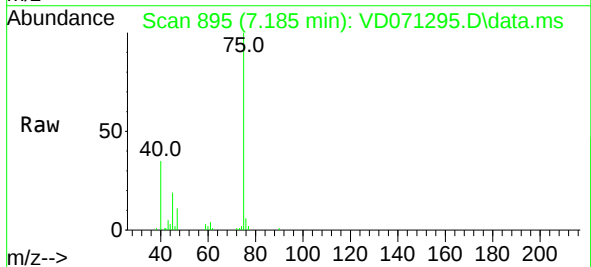
Instrument :
 MSVOA_D
 ClientSampleId :

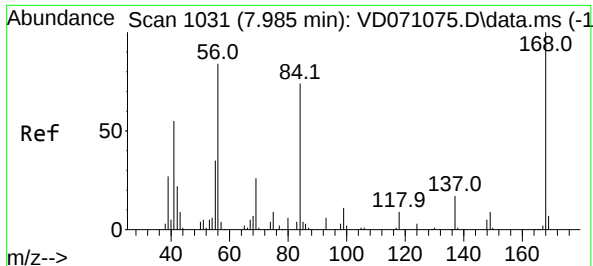
Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 32.588 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071295.D
 Acq: 13 Dec 2021 14:35

Tgt Ion: 43 Resp: 2262
 Ion Ratio Lower Upper
 43 100
 72 14.9 23.8 35.6#





#31

Cyclohexane

Concen: 1.515 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

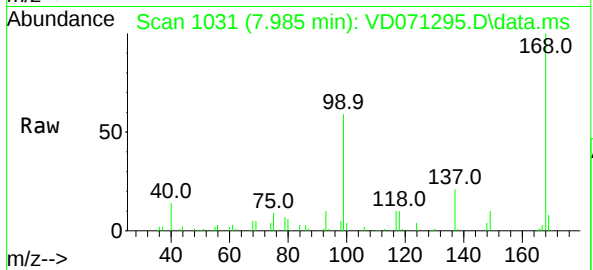
Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

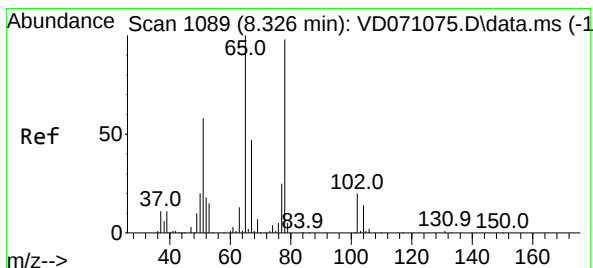
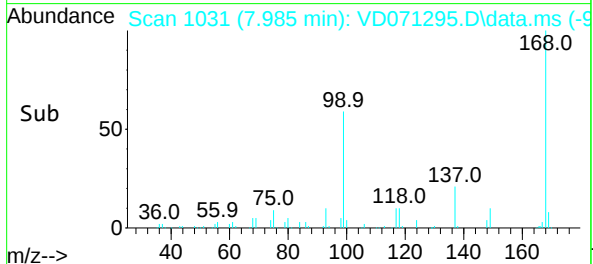
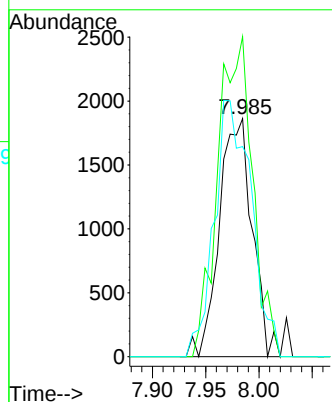
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 3984
Ion Ratio	Lower Upper
56 100	
69 134.4	25.9 38.9#
84 88.2	64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 63.803 ug/l

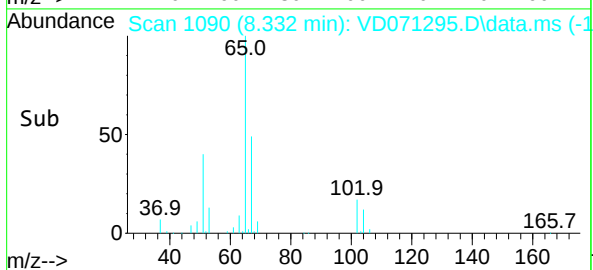
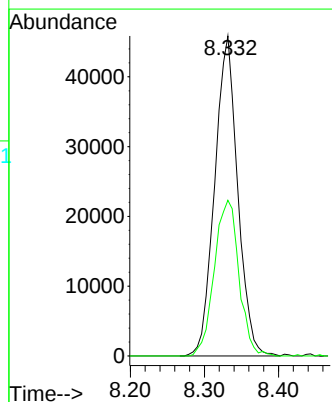
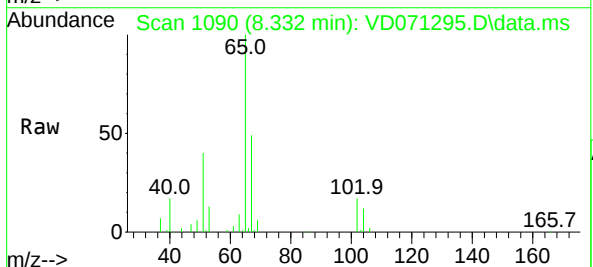
RT: 8.332 min Scan# 1090

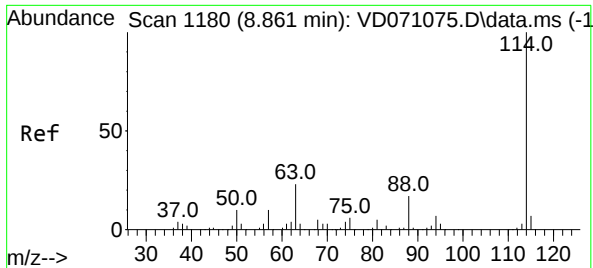
Delta R.T. 0.006 min

Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

Tgt Ion: 65	Resp: 98658
Ion Ratio	Lower Upper
65 100	
67 52.3	0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

Instrument :

MSVOA_D

ClientSampleId :

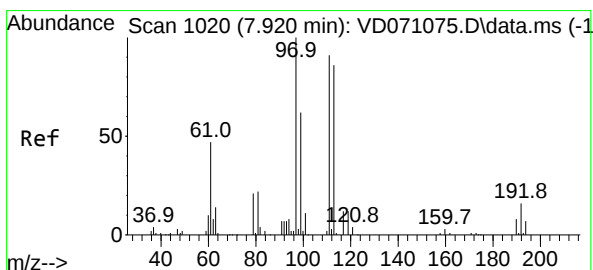
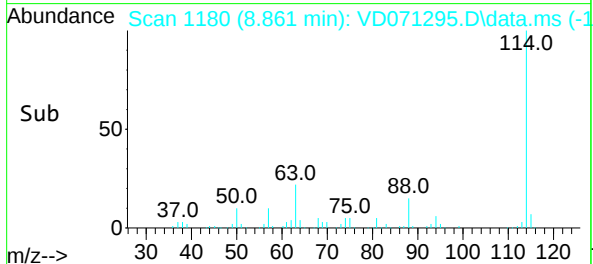
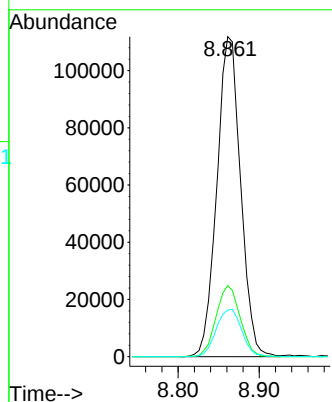
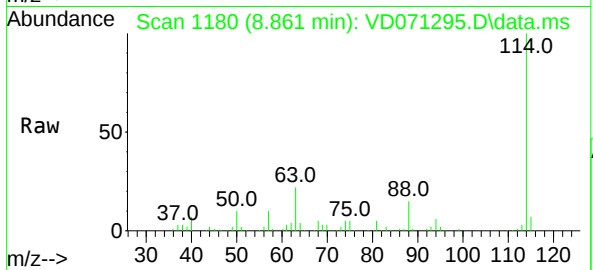
Tgt Ion:114 Resp: 227384

Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 14.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.504 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

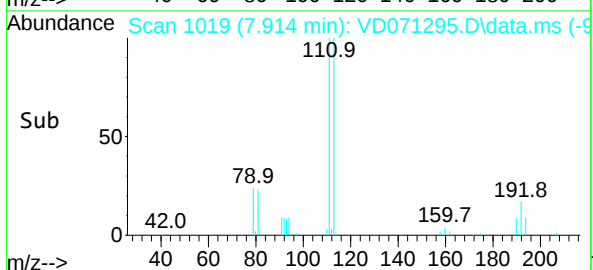
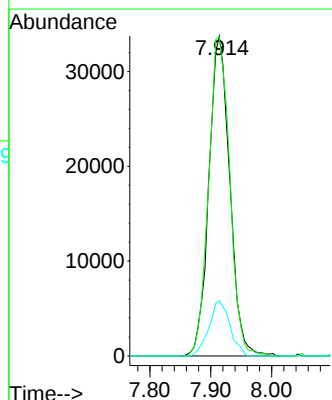
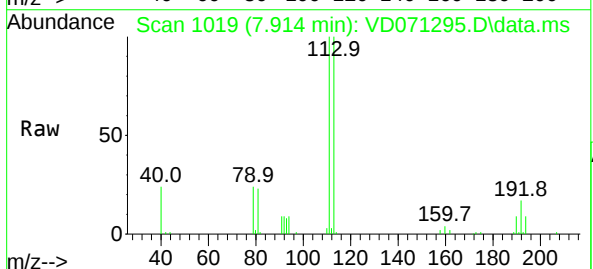
Tgt Ion:113 Resp: 80367

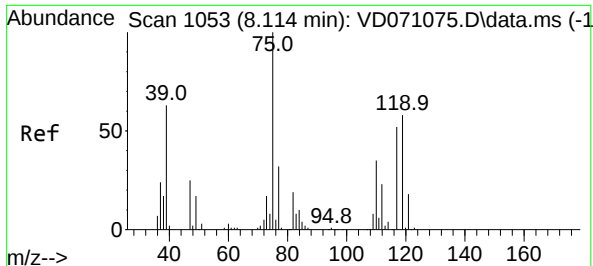
Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.273 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

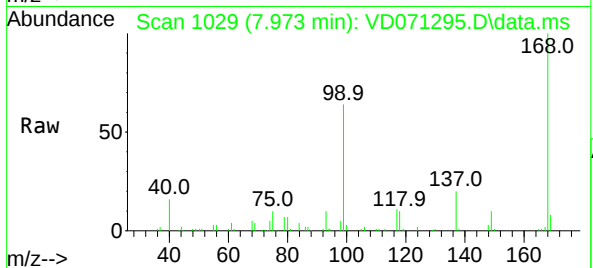
Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

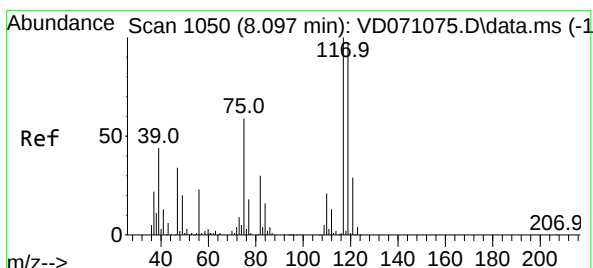
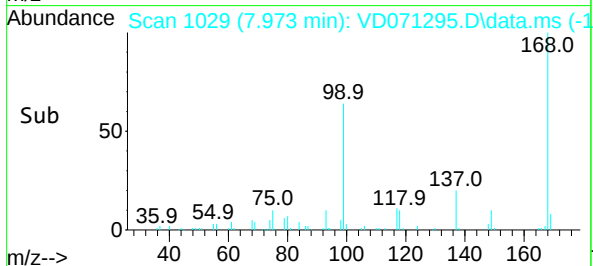
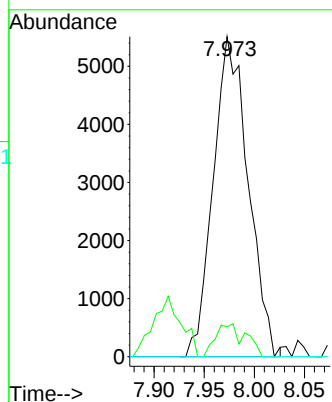
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13331
Ion Ratio	Lower Upper
75	100
110	8.8 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.416 ug/l

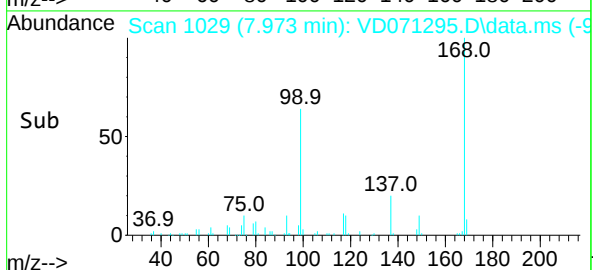
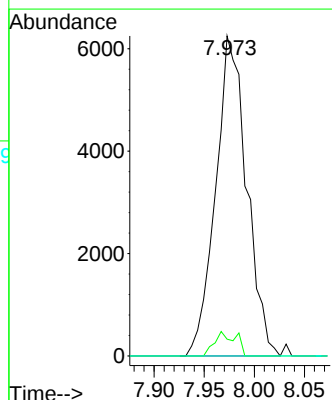
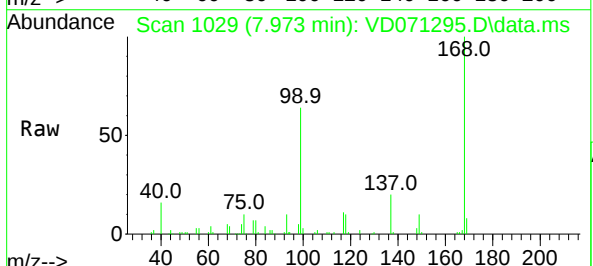
RT: 7.973 min Scan# 1029

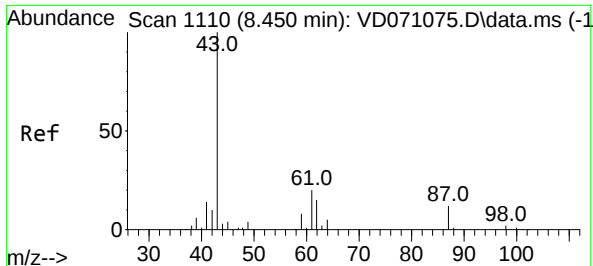
Delta R.T. -0.124 min

Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

Tgt Ion: 117	Resp: 13440
Ion Ratio	Lower Upper
117	100
119	5.2 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.248 ug/l

RT: 8.526 min Scan# 1110

Delta R.T. 0.076 min

Lab File: VD071295.D

Acq: 13 Dec 2021 14:35

Instrument :

MSVOA_D

ClientSampleId :

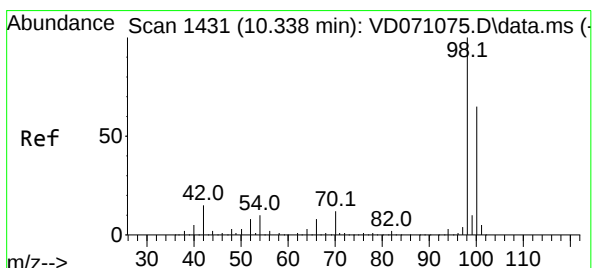
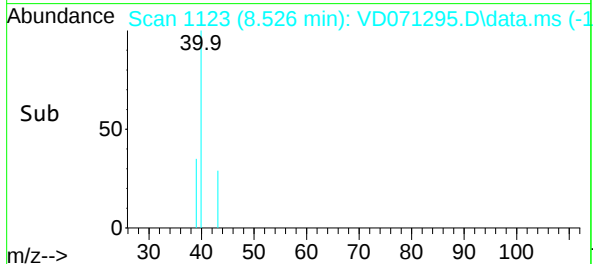
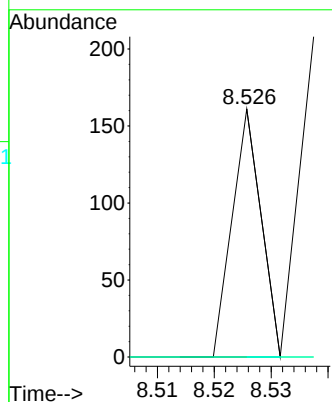
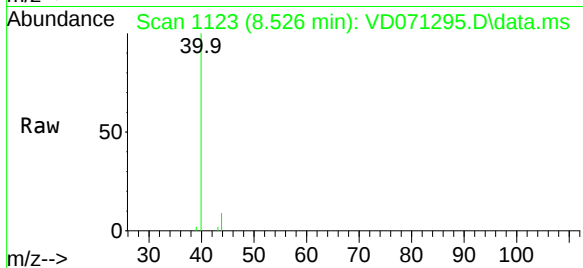
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.772 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071295.D

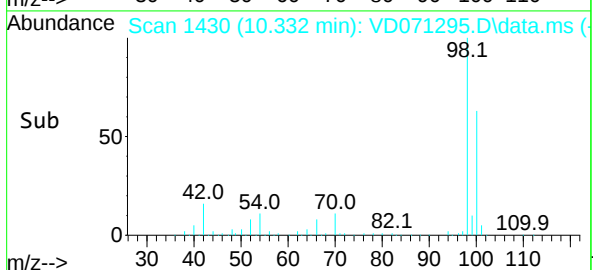
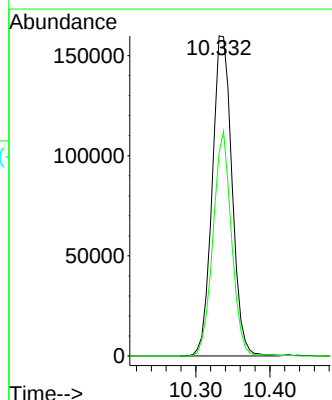
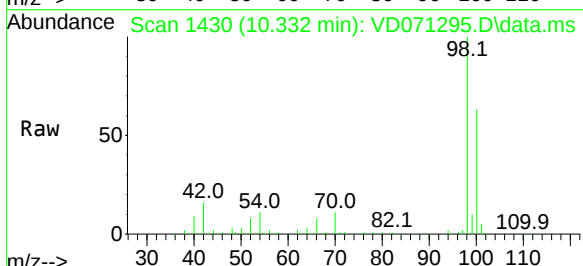
Acq: 13 Dec 2021 14:35

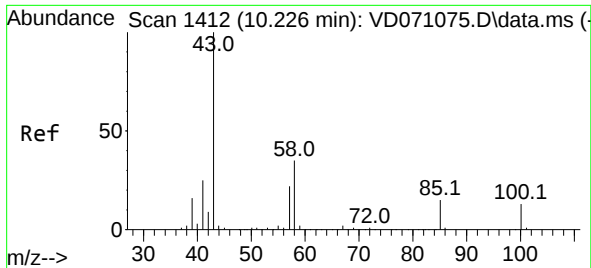
Tgt Ion: 98 Resp: 296297

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.6

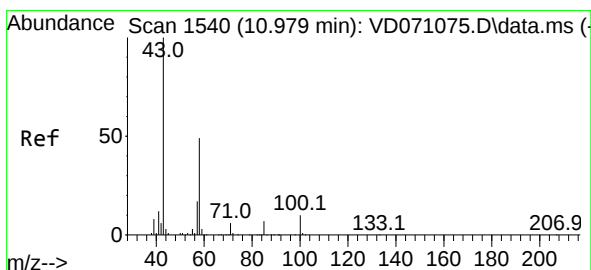
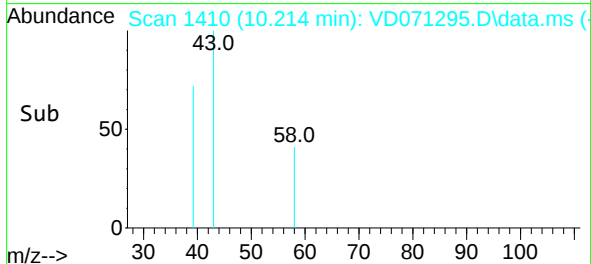
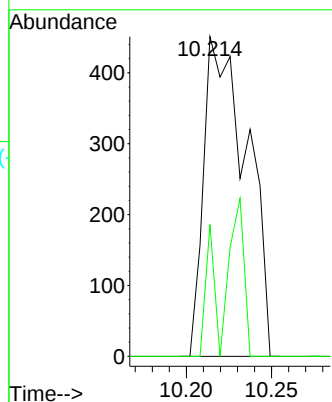
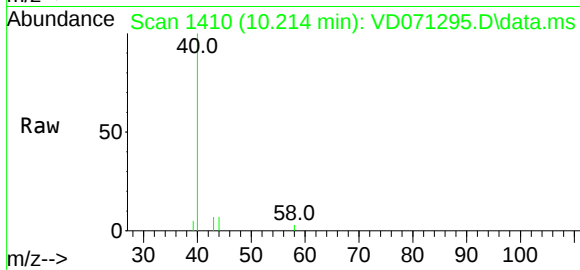




#51
4-Methyl-2-Pentanone
Concen: 31.321 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

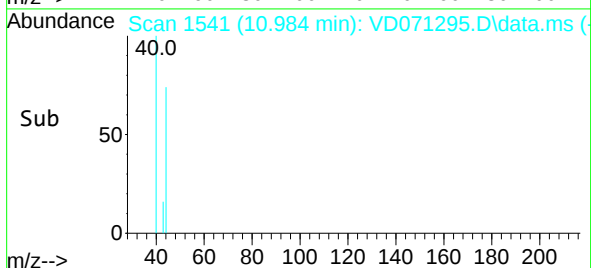
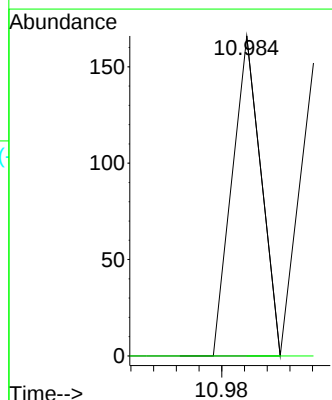
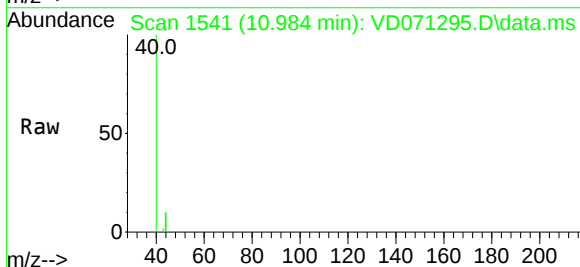
Instrument :
MSVOA_D
ClientSampleId :

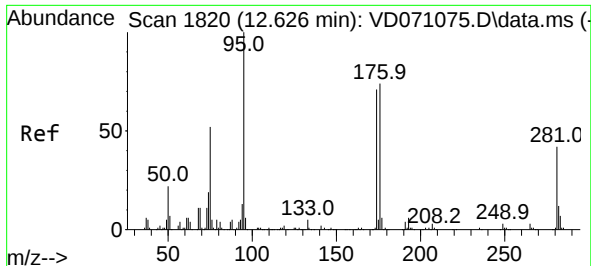
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 25.2 33.1 49.7#



#59
2-Hexanone
Concen: 34.639 ug/l
RT: 10.984 min Scan# 1541
Delta R.T. 0.005 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

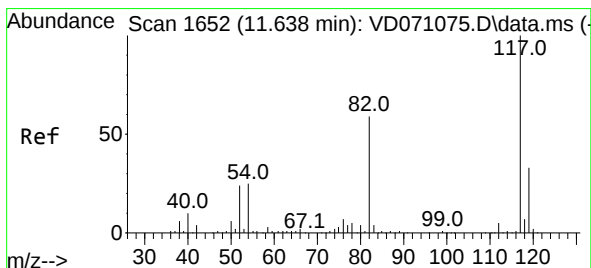
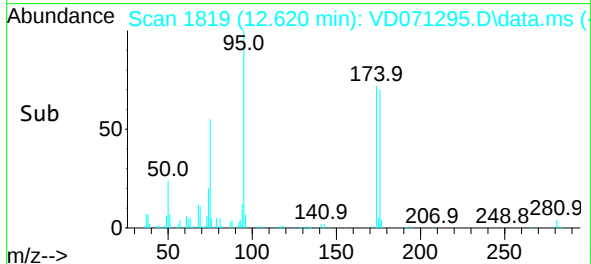
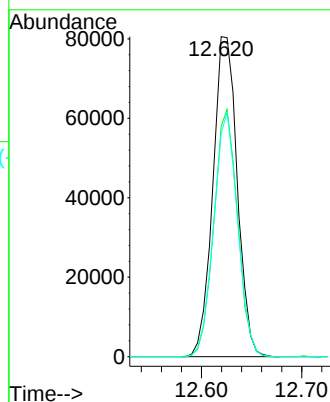
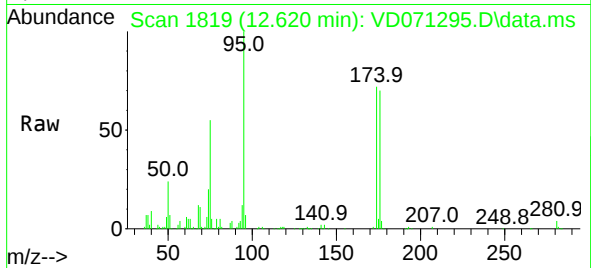




#62
4-Bromofluorobenzene
Concen: 71.211 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

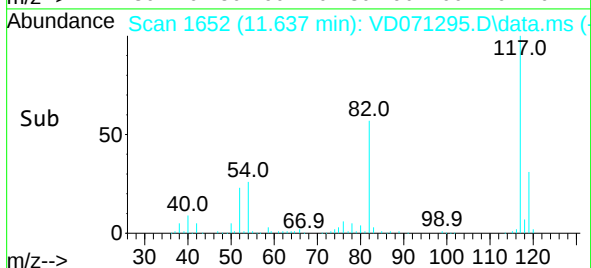
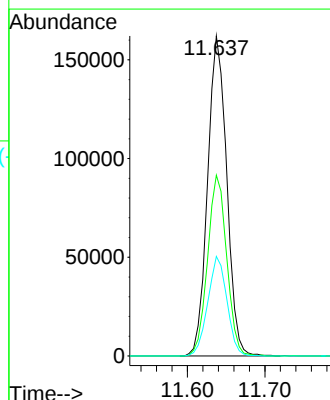
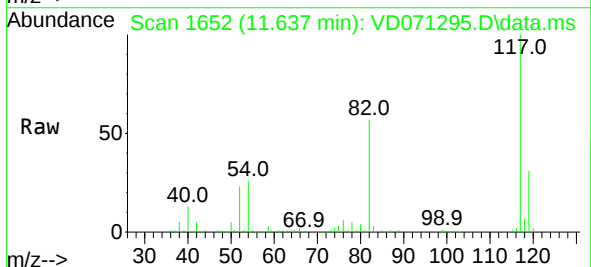
Instrument :
MSVOA_D
ClientSampleId :

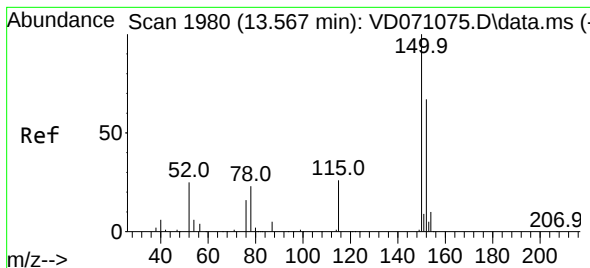
Tgt Ion: 95 Resp: 136016
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 74.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

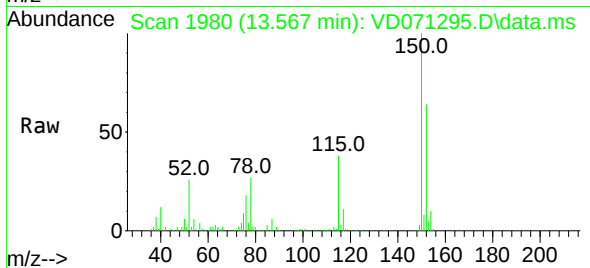
Tgt Ion: 117 Resp: 277791
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 31.1 26.2 39.4



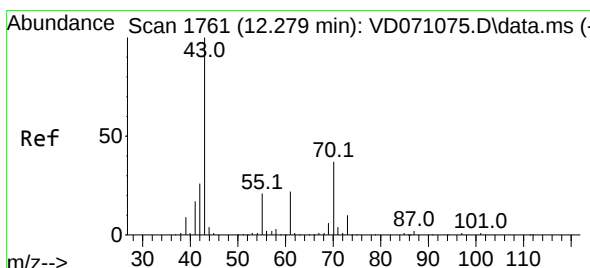
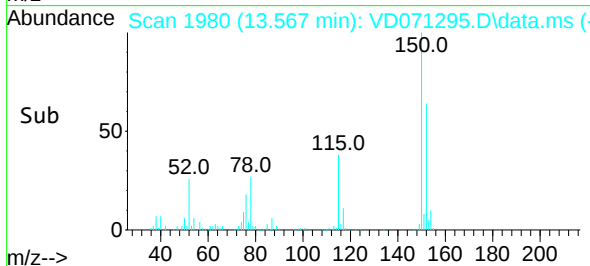
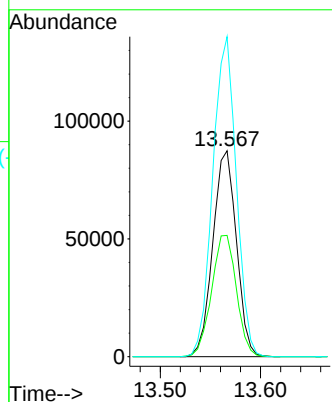


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071295.D
 Acq: 13 Dec 2021 14:35

Instrument :
 MSVOA_D
 ClientSampleId :

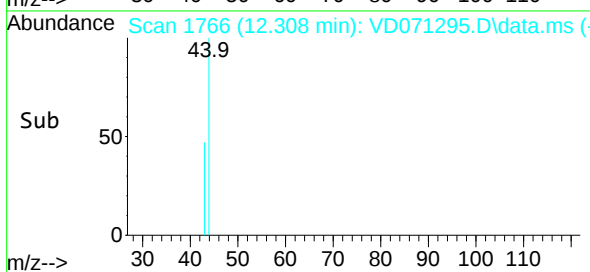
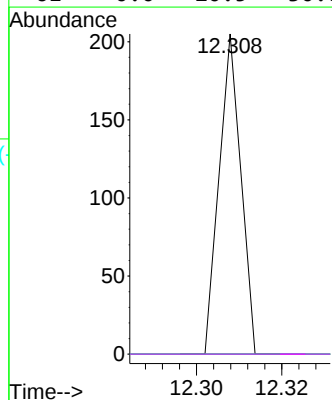
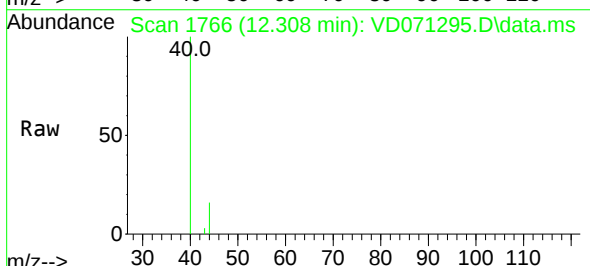


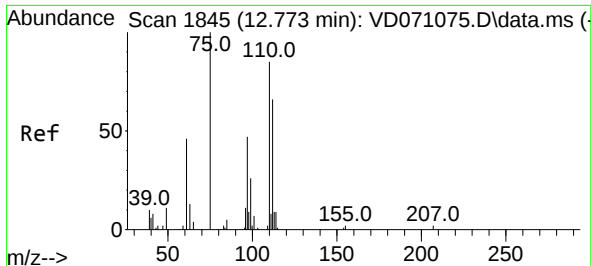
Tgt Ion:152 Resp: 142804
 Ion Ratio Lower Upper
 152 100
 115 62.1 29.8 89.3
 150 155.2 0.0 349.2



#74
 N-ethyl acetate
 Concen: 5.724 ug/l
 RT: 12.308 min Scan# 1766
 Delta R.T. 0.029 min
 Lab File: VD071295.D
 Acq: 13 Dec 2021 14:35

Tgt Ion: 43 Resp: 72
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.6 55.0#
 55 0.0 22.5 33.7#
 61 0.0 20.5 30.7#

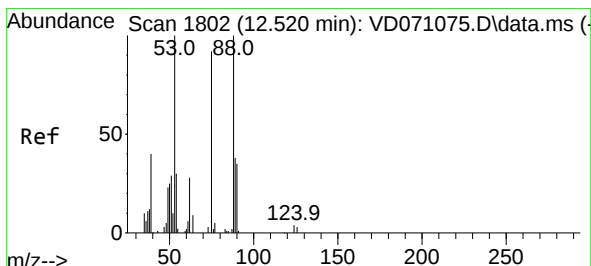
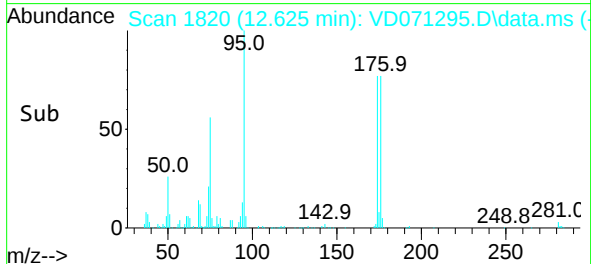
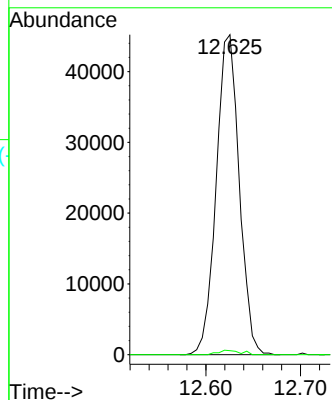
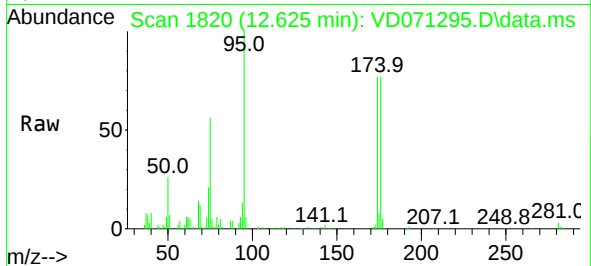




#76
1,2,3-Trichloropropane
Concen: 56.192 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 76454
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.027 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD071295.D
Acq: 13 Dec 2021 14:35

Tgt Ion: 75 Resp: 76454
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

