

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121721\
 Data File : VD071377.D
 Acq On : 17 Dec 2021 10:47
 Operator : VA/SY
 Sample : VD1217SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 01:50:52 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)

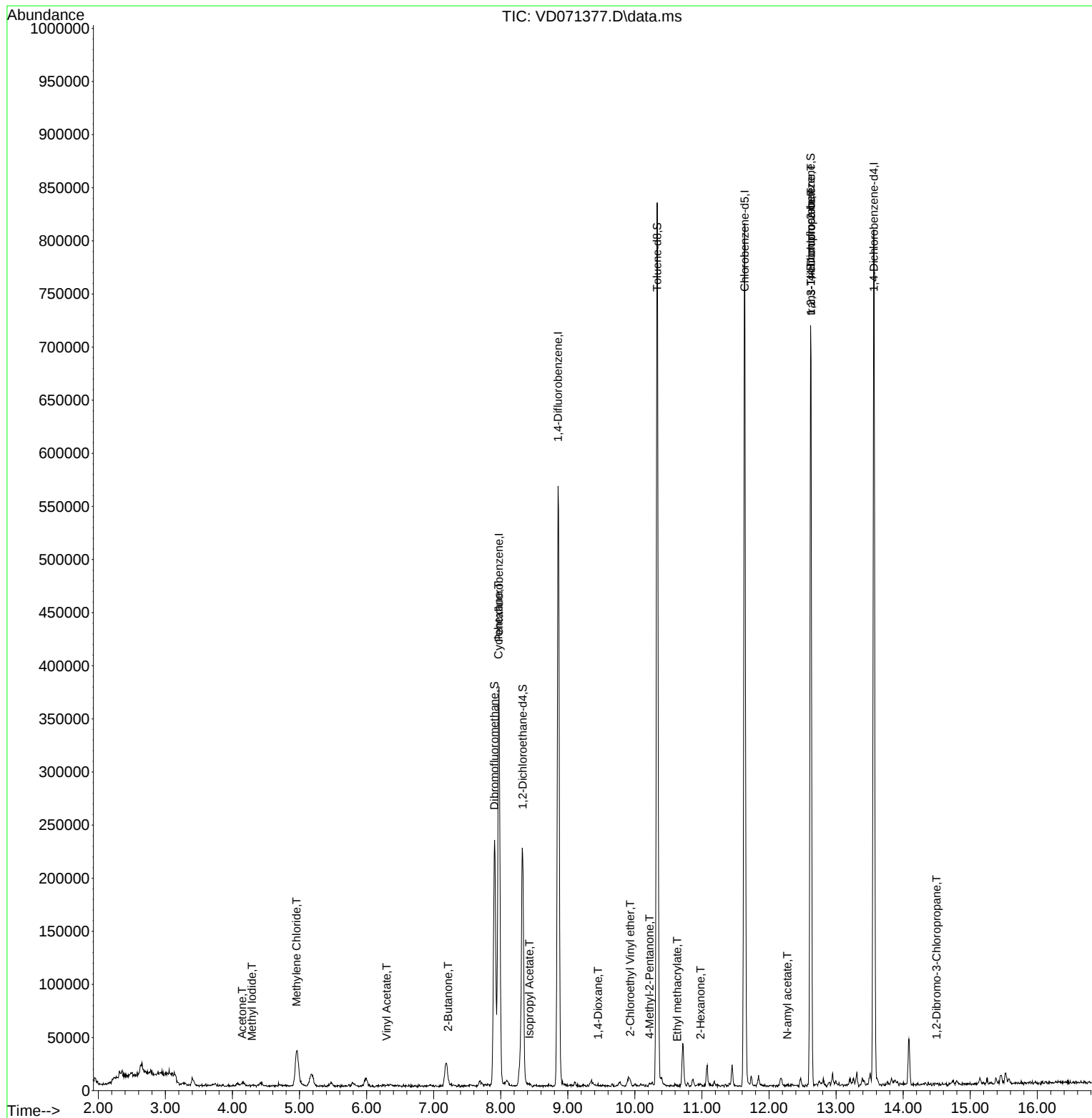
Internal Standards						
1) Pentafluorobenzene	7.973	168	258609	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	453456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	423986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	200115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180123	59.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.720%			
35) Dibromofluoromethane	7.903	113	161318	55.867	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.740%			
50) Toluene-d8	10.332	98	526749	47.936	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.880%			
62) 4-Bromofluorobenzene	12.620	95	195205	51.247	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.500%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	851	4.816	ug/l #	53
11) Tert butyl alcohol	5.167	59	6077	Below Cal	#	71
16) Acetone	4.144	43	3081	34.149	ug/l #	40
20) Methylene Chloride	4.956	84	24882	4.309	ug/l	91
23) Vinyl Acetate	6.297	43	993	27.397	ug/l #	72
25) 2-Butanone	7.214	43	2171	30.427	ug/l	92
31) Cyclohexane	7.967	56	9644	1.868	ug/l #	34
41) Methacrylonitrile	7.508	41	59	Below Cal	#	1
43) Isopropyl Acetate	8.426	43	467	5.327	ug/l #	47
49) 1,4-Dioxane	9.450	88	79	5.210	ug/l #	79
51) 4-Methyl-2-Pentanone	10.220	43	1987	31.496	ug/l #	78
56) Ethyl methacrylate	10.632	69	116	6.005	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.932	63	1455	1.038	ug/l #	65
59) 2-Hexanone	10.979	43	1468	35.387	ug/l	71
74) N-amyl acetate	12.273	43	1015	5.928	ug/l #	72
76) 1,2,3-Trichloropropane	12.626	75	108661	56.992	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	108661	123.681	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.496	75	481	1.238	ug/l #	4

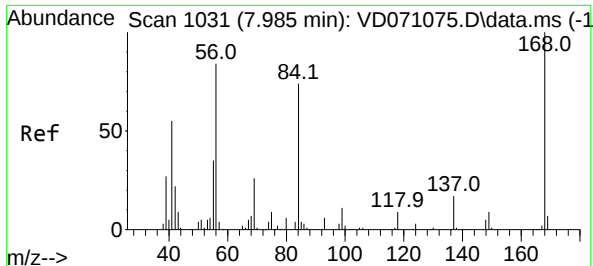
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 19 01:50:52 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

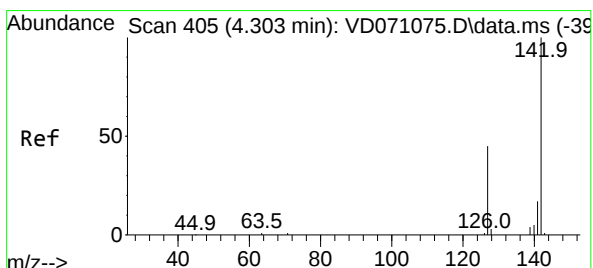
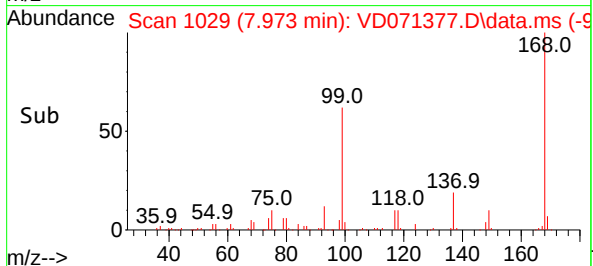
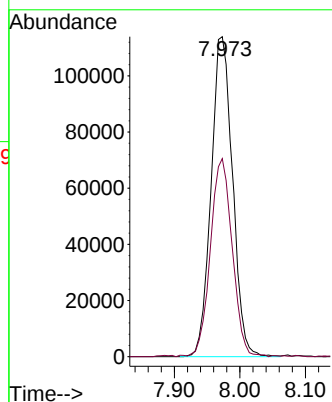
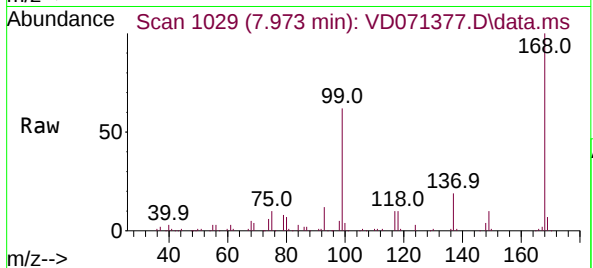




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

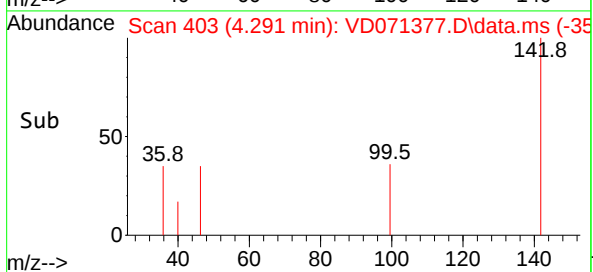
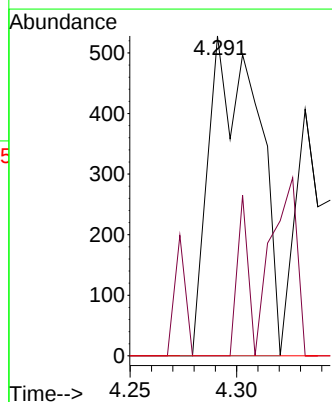
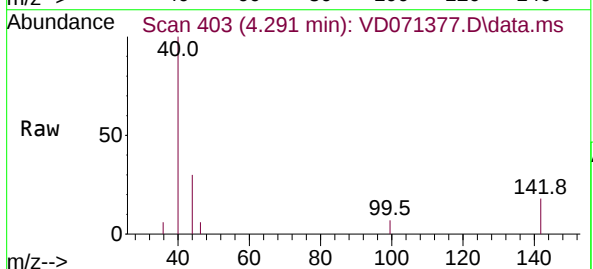
Instrument :
MSVOA_D
ClientSampleId :

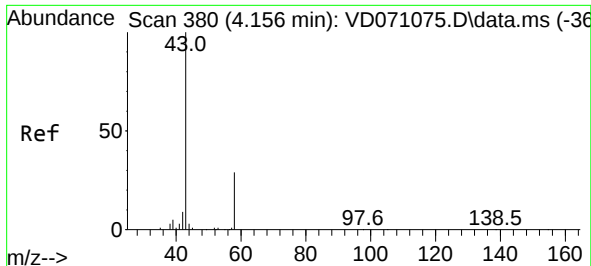
Tgt Ion:168 Resp: 258609
Ion Ratio Lower Upper
168 100
99 61.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.816 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion:142 Resp: 851
Ion Ratio Lower Upper
142 100
127 11.0 35.0 52.4#
141 0.0 12.0 18.0#

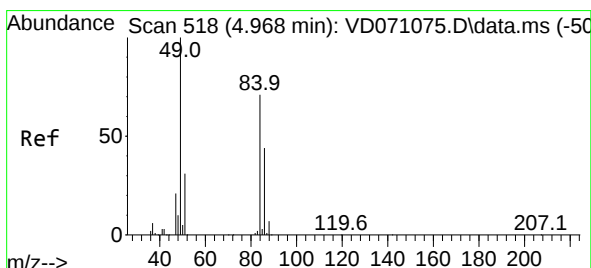
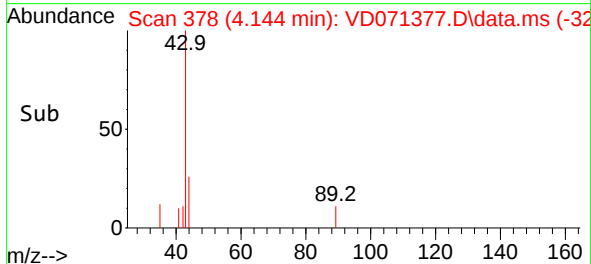
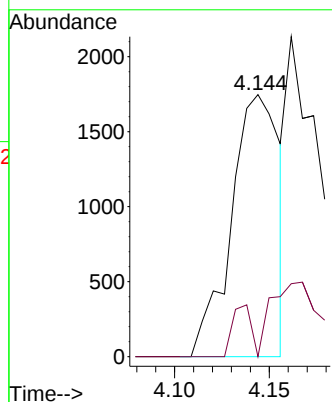
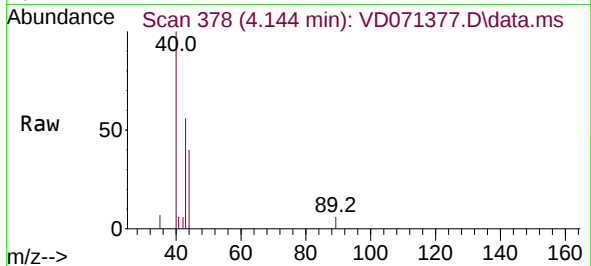




#16
Acetone
Concen: 34.149 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

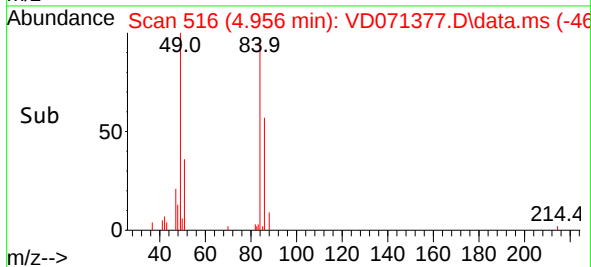
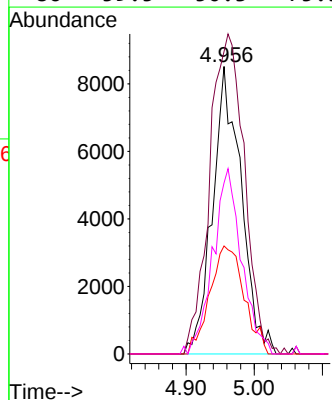
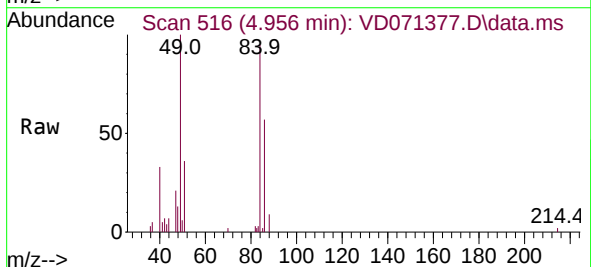
Instrument :
MSVOA_D
ClientSampleId :

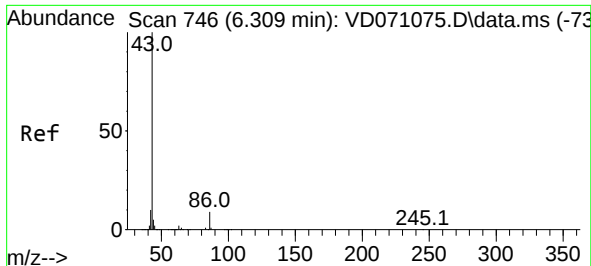
Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 4.309 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 84 Resp: 24882
Ion Ratio Lower Upper
84 100
49 105.2 95.8 143.6
51 37.6 30.9 46.3
86 59.5 50.3 75.5

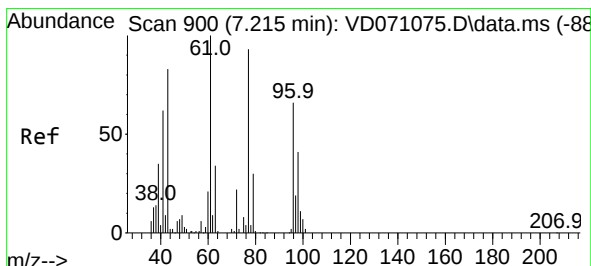
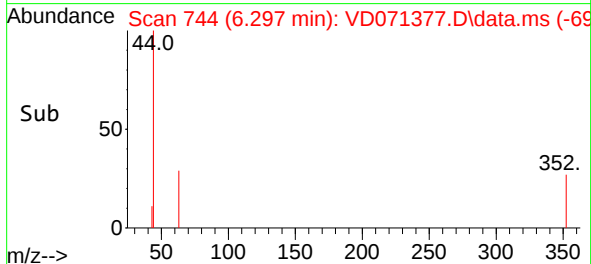
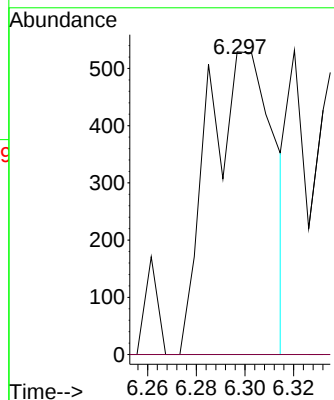
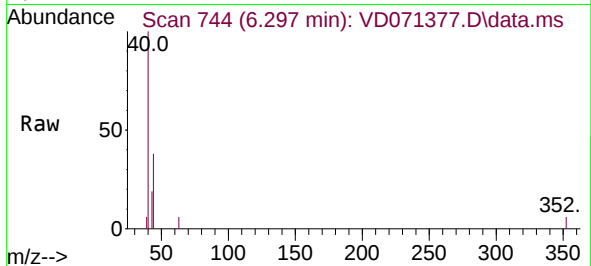




#23
 Vinyl Acetate
 Concen: 27.397 ug/l
 RT: 6.297 min Scan# 746
 Delta R.T. -0.012 min
 Lab File: VD071377.D
 Acq: 17 Dec 2021 10:47

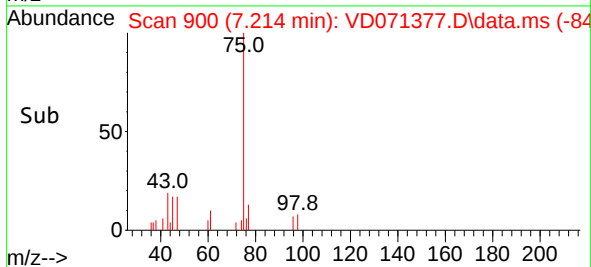
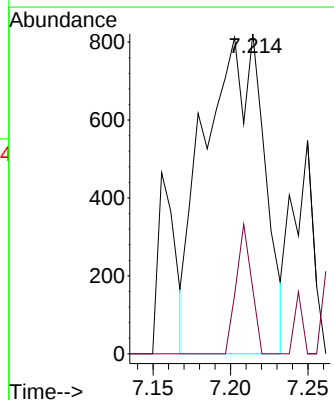
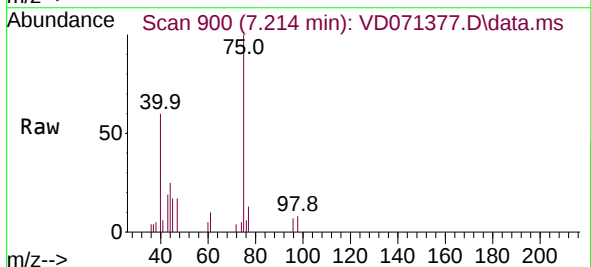
Instrument :
 MSVOA_D
 ClientSampleId :

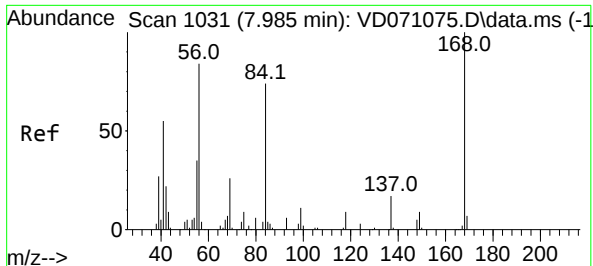
Tgt Ion: 43 Resp: 993
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.427 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071377.D
 Acq: 17 Dec 2021 10:47

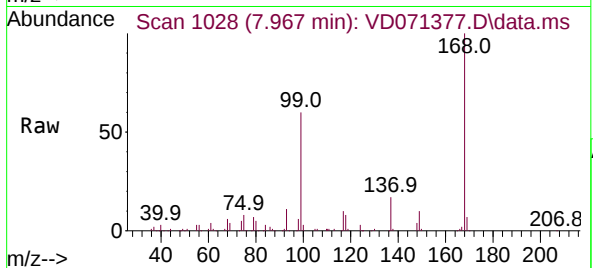
Tgt Ion: 43 Resp: 2171
 Ion Ratio Lower Upper
 43 100
 72 25.2 23.8 35.6



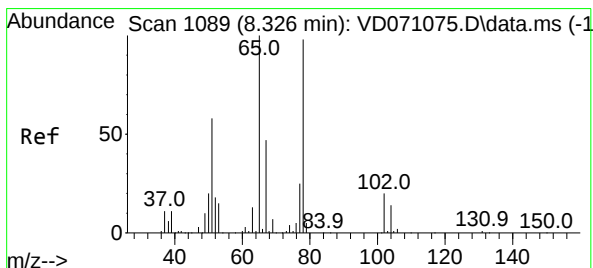
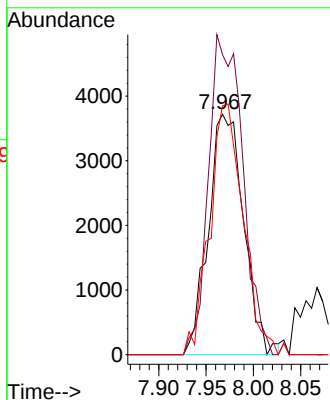
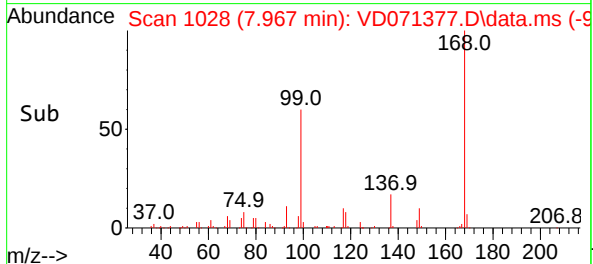


#31
Cyclohexane
Concen: 1.868 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Instrument :
MSVOA_D
ClientSampleId :

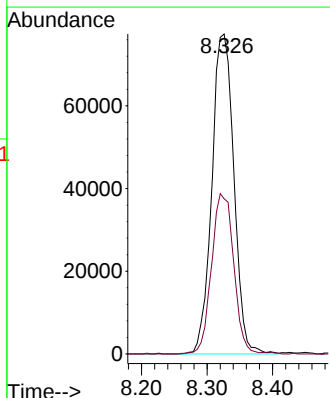
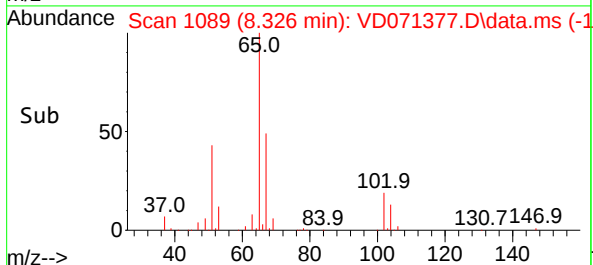
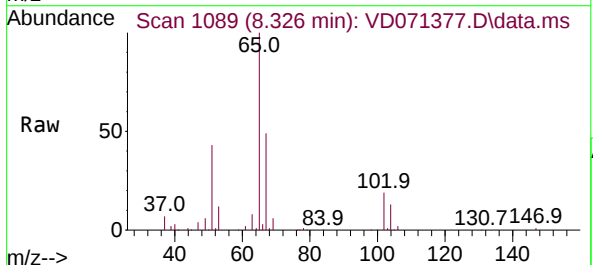


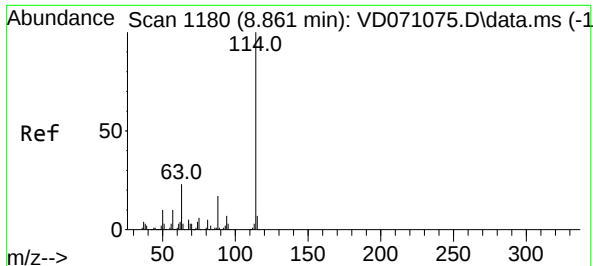
Tgt Ion: 56 Resp: 9644
Ion Ratio Lower Upper
56 100
69 124.7 25.9 38.9#
84 103.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 59.359 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 65 Resp: 180123
Ion Ratio Lower Upper
65 100
67 50.4 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071377.D

Acq: 17 Dec 2021 10:47

Instrument :

MSVOA_D

ClientSampleId :

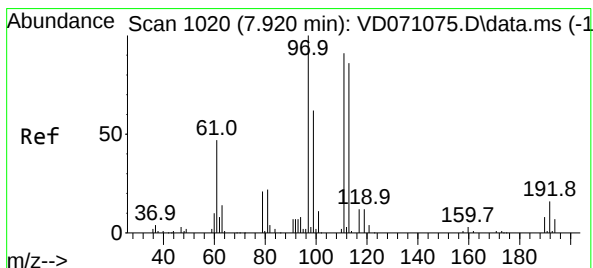
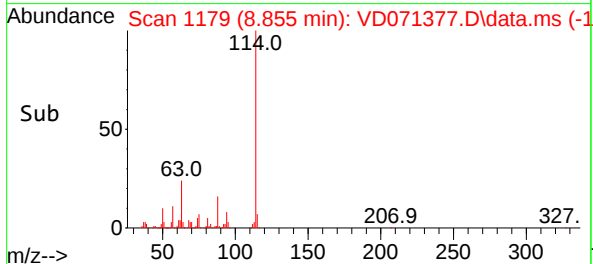
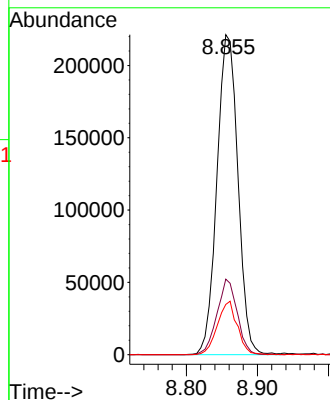
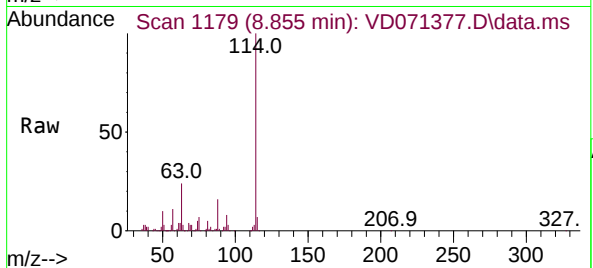
Tgt Ion:114 Resp: 453456

Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 55.867 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.017 min

Lab File: VD071377.D

Acq: 17 Dec 2021 10:47

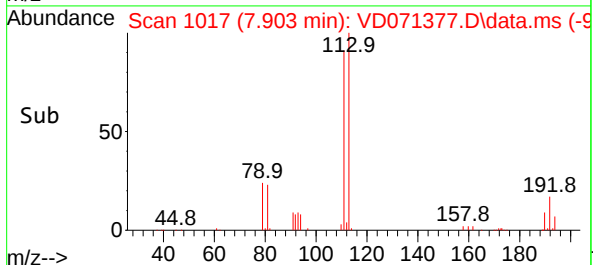
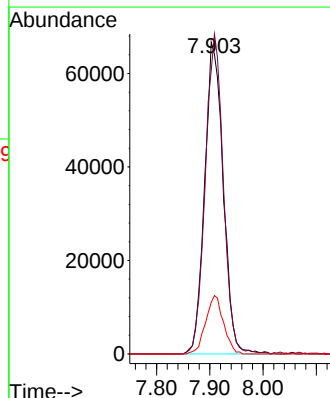
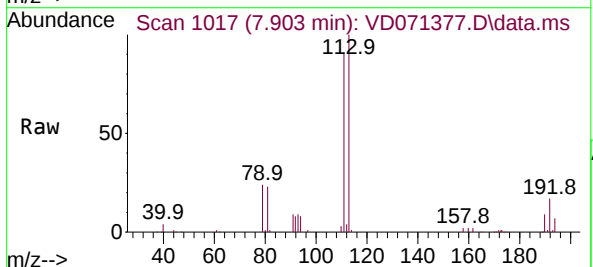
Tgt Ion:113 Resp: 161318

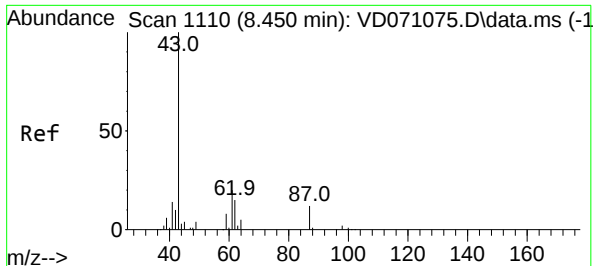
Ion Ratio Lower Upper

113 100

111 100.2 82.0 123.0

192 18.0 15.2 22.8





#43

Isopropyl Acetate

Concen: 5.327 ug/l

RT: 8.426 min Scan# 1110

Delta R.T. -0.024 min

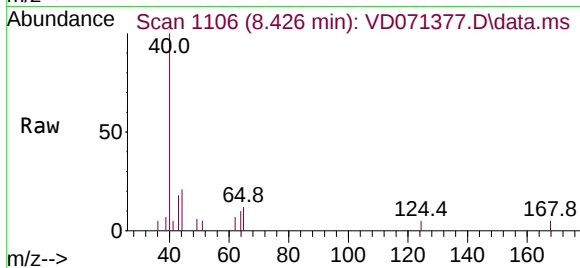
Lab File: VD071377.D

Acq: 17 Dec 2021 10:47

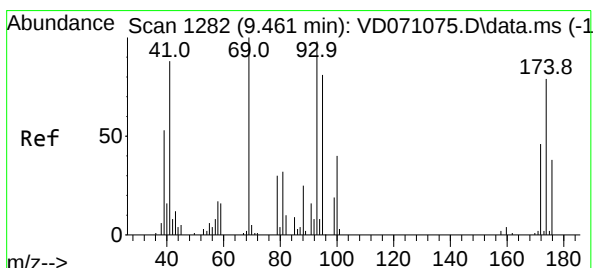
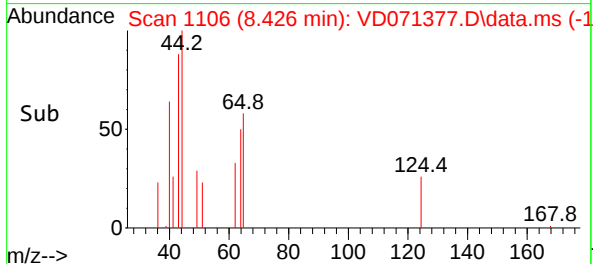
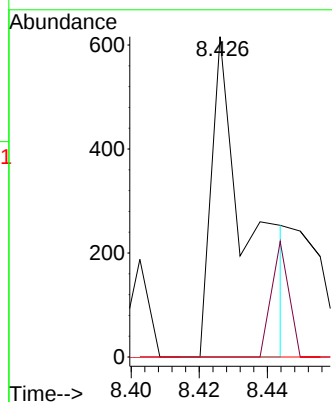
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 467
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#49

1,4-Dioxane

Concen: 5.210 ug/l

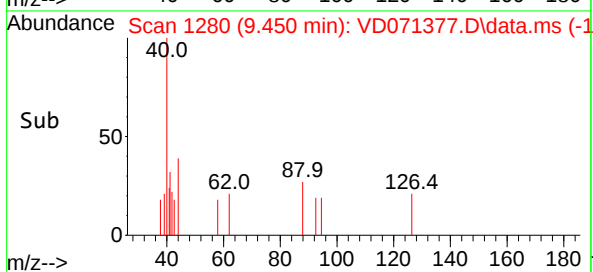
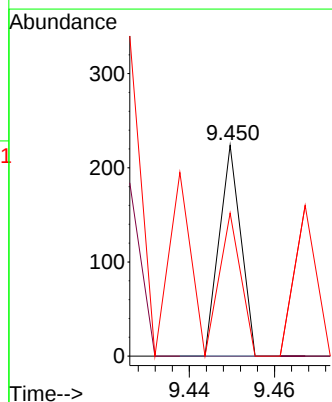
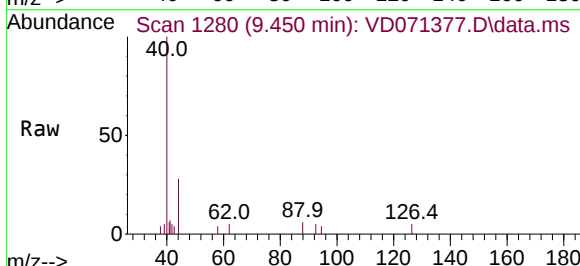
RT: 9.450 min Scan# 1280

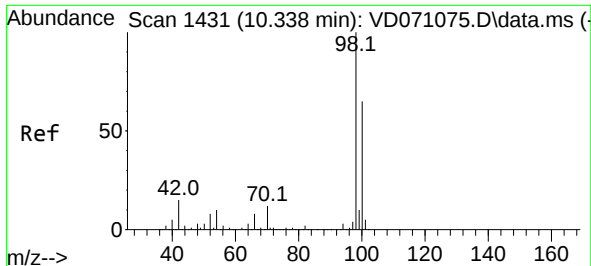
Delta R.T. -0.011 min

Lab File: VD071377.D

Acq: 17 Dec 2021 10:47

Tgt Ion: 88	Resp: 79
Ion Ratio	Lower Upper
88	100
43	0.0 28.9 43.3#
58	70.9 56.3 84.5

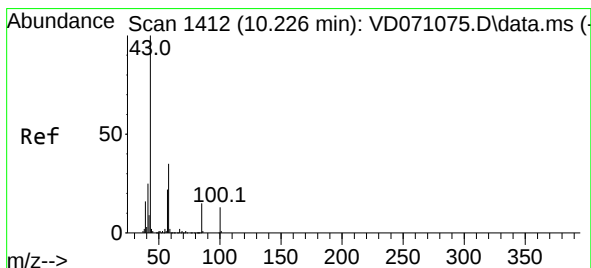
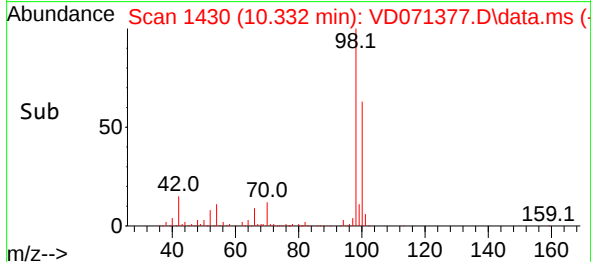
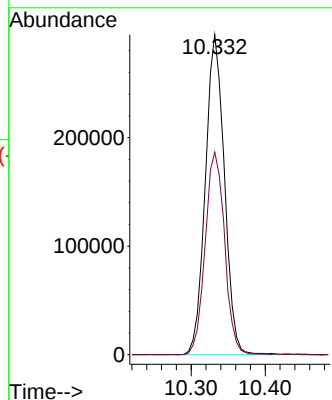
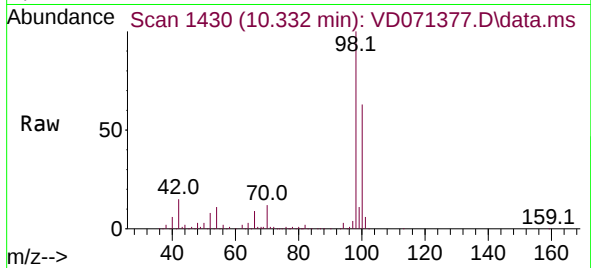




#50
Toluene-d8
Concen: 47.936 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

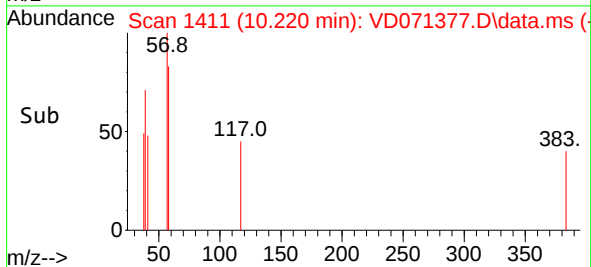
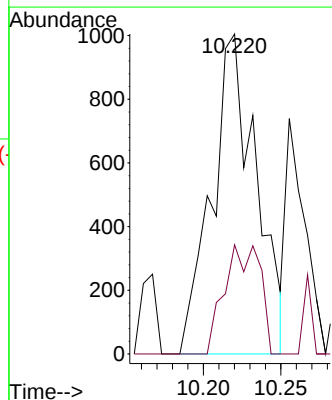
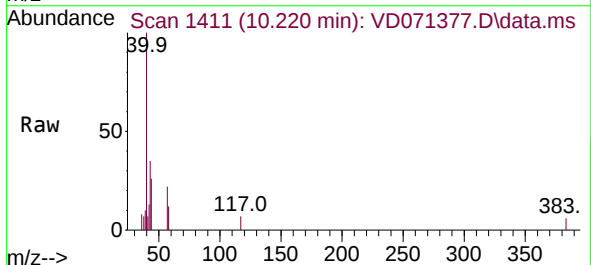
Instrument :
MSVOA_D
ClientSampleId :

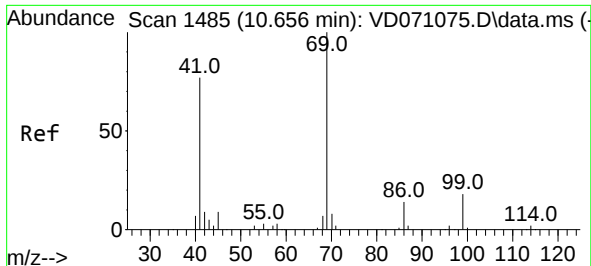
Tgt Ion: 98 Resp: 526749
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.496 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
58 27.6 33.1 49.7#

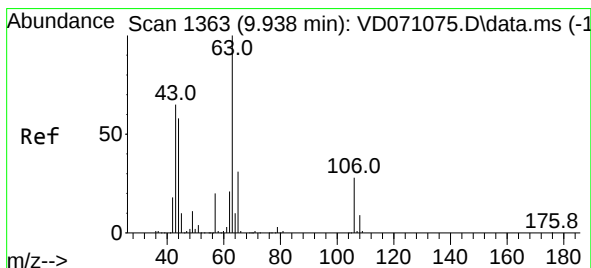
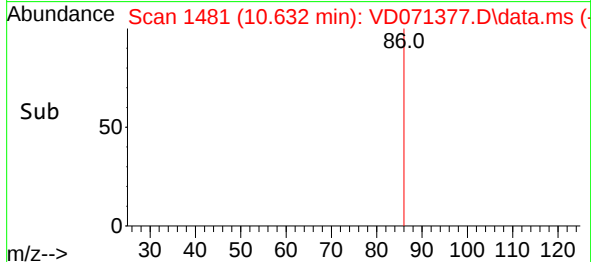
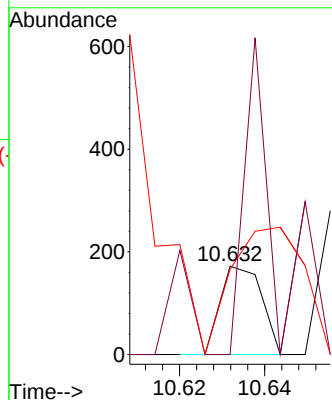
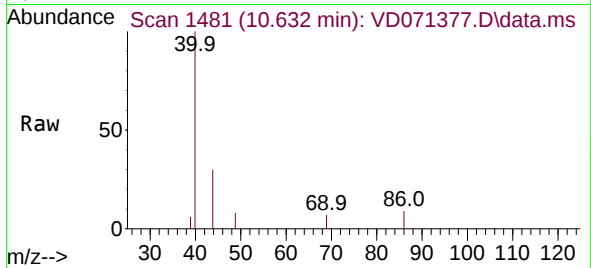




#56
Ethyl methacrylate
Concen: 6.005 ug/l
RT: 10.632 min Scan# 1485
Delta R.T. -0.024 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

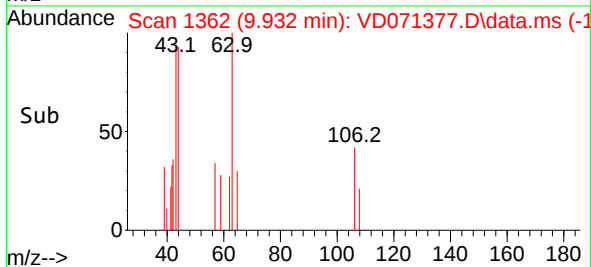
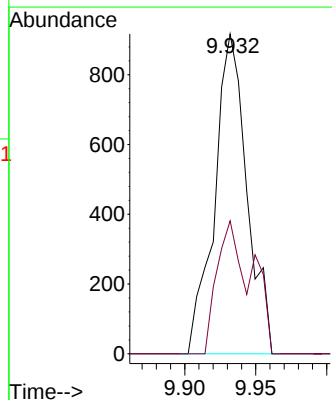
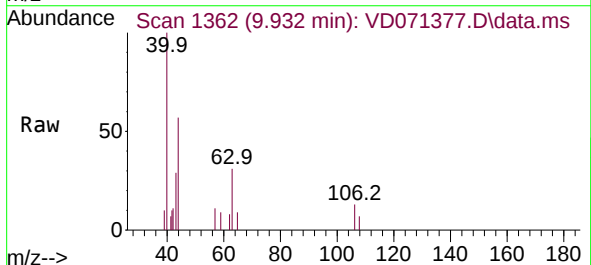
Instrument :
MSVOA_D
ClientSampleId :

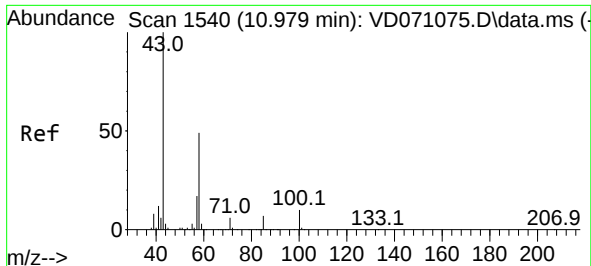
Tgt Ion: 69 Resp: 116
Ion Ratio Lower Upper
69 100
41 339.7 50.2 75.2#
39 251.7 19.8 29.8#



#58
2-Chloroethyl Vinyl ether
Concen: 1.038 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 63 Resp: 1455
Ion Ratio Lower Upper
63 100
106 44.2 21.0 31.4#

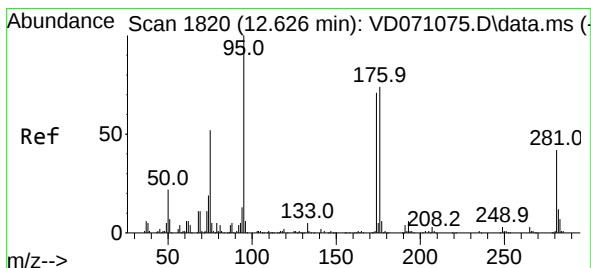
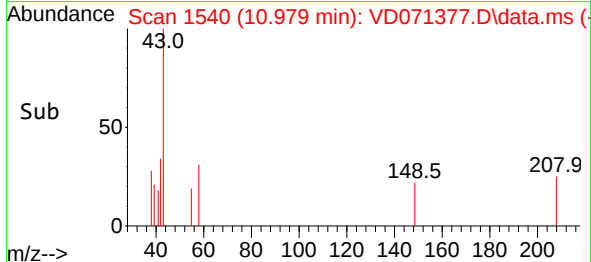
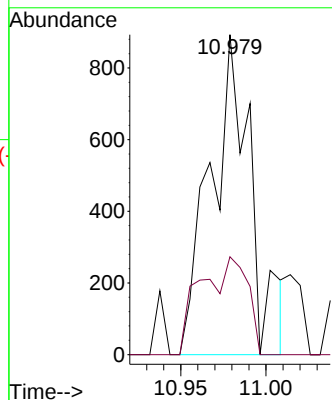
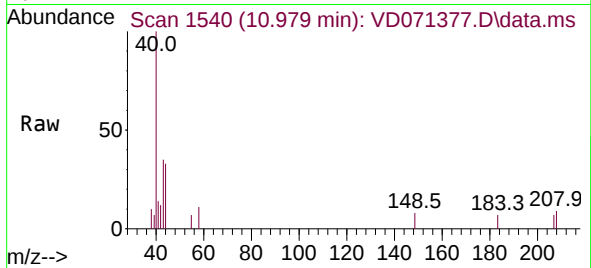




#59
2-Hexanone
Concen: 35.387 ug/l
RT: 10.979 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

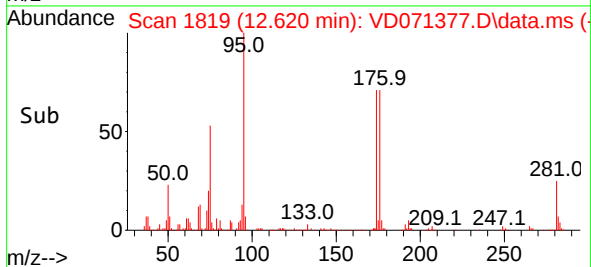
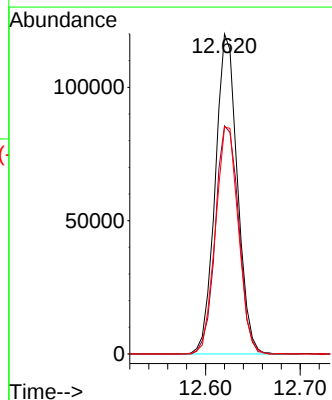
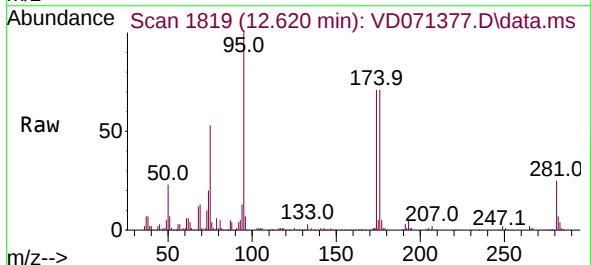
Instrument :
MSVOA_D
ClientSampleId :

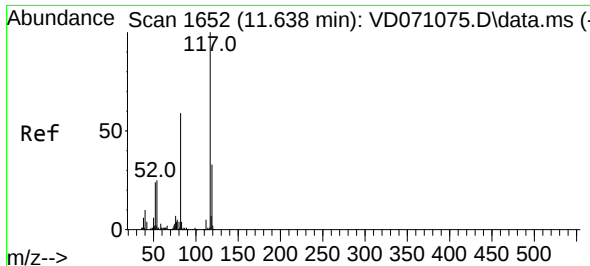
Tgt Ion: 43 Resp: 1468
Ion Ratio Lower Upper
43 100
58 35.7 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

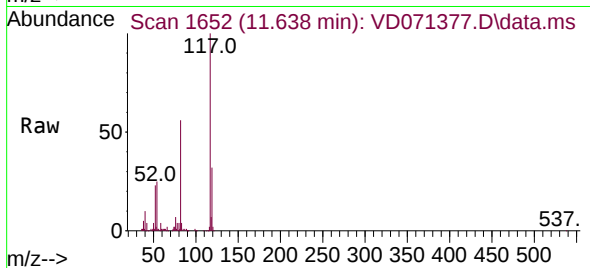
Tgt Ion: 95 Resp: 195205
Ion Ratio Lower Upper
95 100
174 75.0 0.0 159.4
176 73.4 0.0 154.0



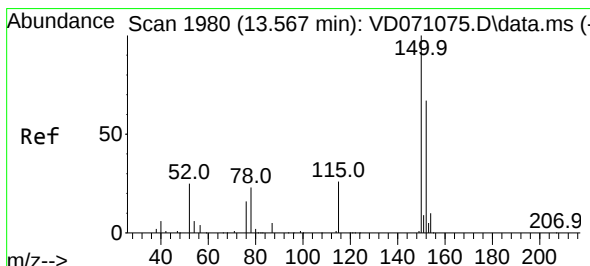
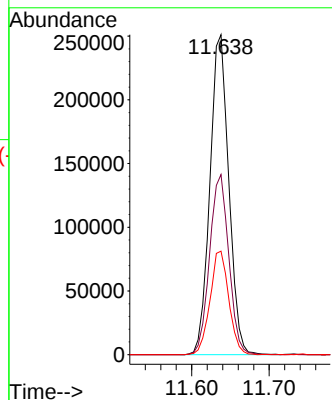
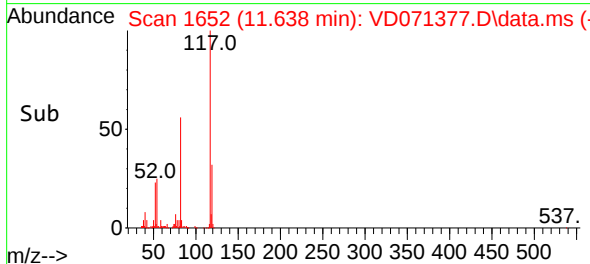


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

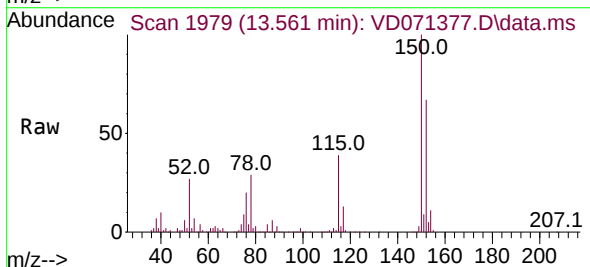
Instrument :
MSVOA_D
ClientSampleId :



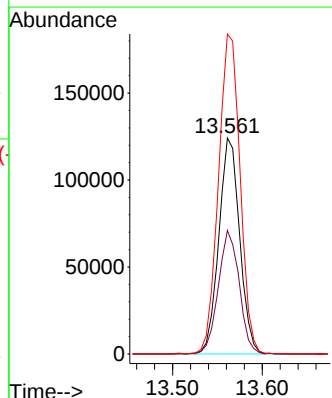
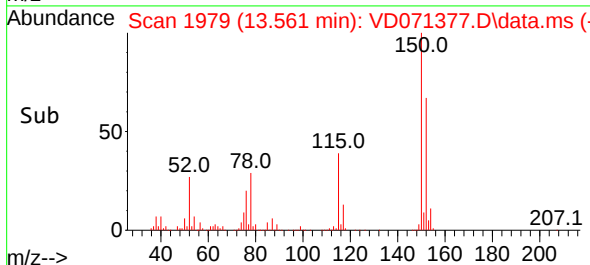
Tgt Ion:117 Resp: 423986
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.3 26.2 39.4

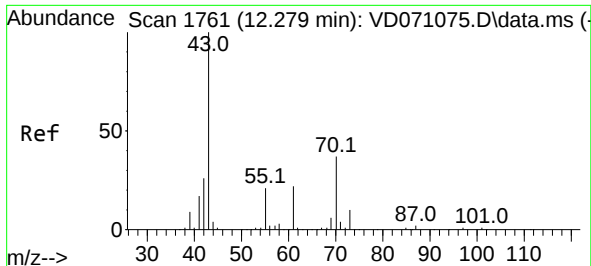


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47



Tgt Ion:152 Resp: 200115
Ion Ratio Lower Upper
152 100
115 57.4 29.8 89.3
150 153.9 0.0 349.2

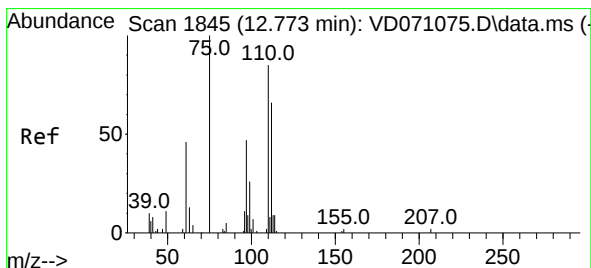
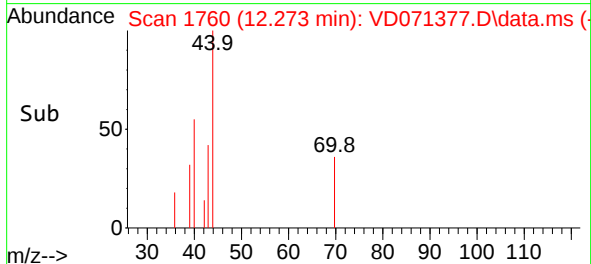
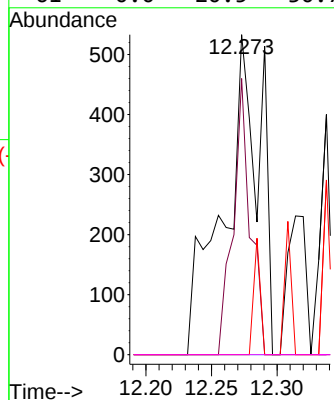
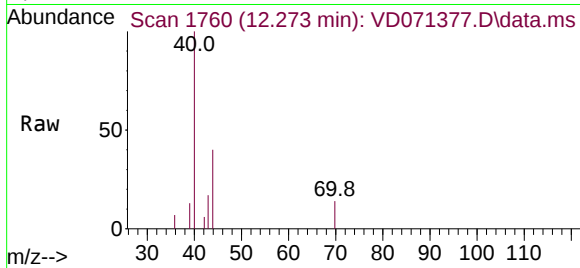




#74
N-amy1 acetate
Concen: 5.928 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

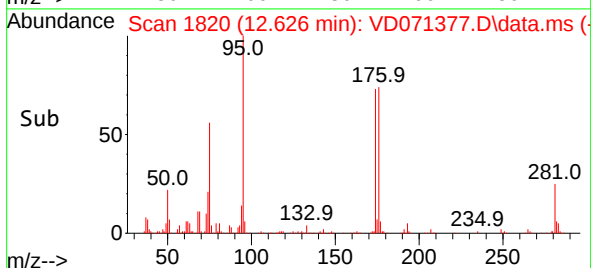
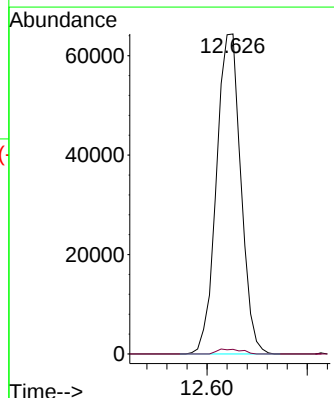
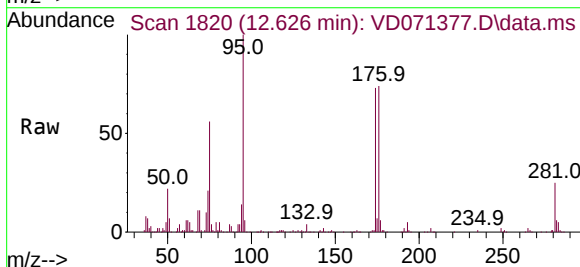
Instrument :
MSVOA_D
ClientSampleId :

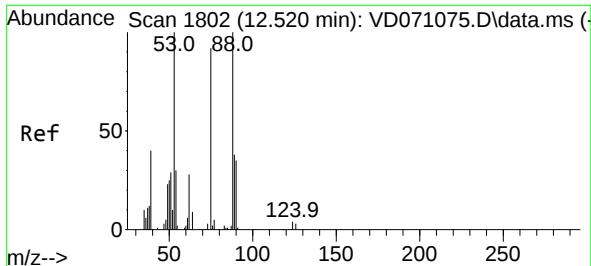
Tgt Ion: 43	Resp: 1015
Ion Ratio	Lower Upper
43 100	
70 41.3	36.6 55.0
55 6.7	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 56.992 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 75	Resp: 108661
Ion Ratio	Lower Upper
75 100	
77 1.5	158.4 475.3#

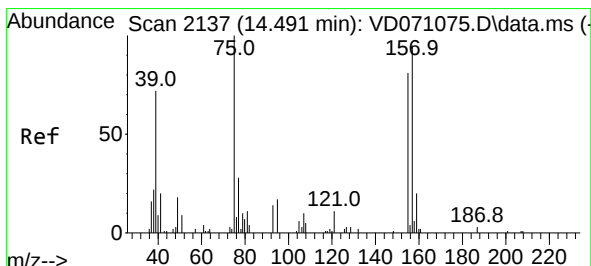
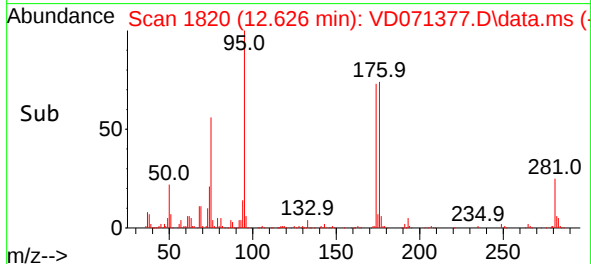
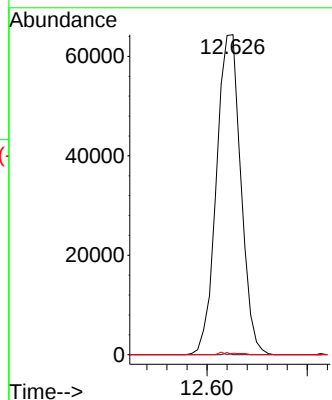
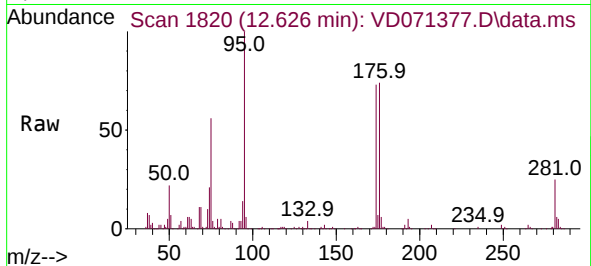




#81
trans-1,4-Dichloro-2-butene
Concen: 123.681 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 108661
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.2 34.5 51.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.238 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.005 min
Lab File: VD071377.D
Acq: 17 Dec 2021 10:47

Tgt Ion: 75 Resp: 481
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

