

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071148.D
 Acq On : 04 Dec 2021 17:21
 Operator : VA/SY
 Sample : M4927-04
 Misc : 5.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:44:04 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

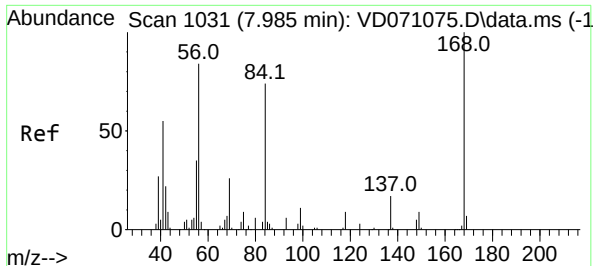
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	296889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	517314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	542655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	267666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	160068	45.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.900%
35) Dibromofluoromethane	7.914	113	160354	48.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.360%
50) Toluene-d8	10.338	98	671532	53.568	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.140%
62) 4-Bromofluorobenzene	12.626	95	267495	61.557	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.120%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	317	4.644	ug/l #	40
11) Tert butyl alcohol	5.179	59	7054	Below Cal	#	73
16) Acetone	4.167	43	3440	34.057	ug/l #	83
20) Methylene Chloride	4.967	84	18246	1.106	ug/l	96
23) Vinyl Acetate	6.344	43	87	27.232	ug/l #	72
25) 2-Butanone	7.203	43	1155	29.317	ug/l #	45
31) Cyclohexane	7.979	56	8014	1.352	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	26801	5.543	ug/l #	51
38) Carbon Tetrachloride	7.973	117	33625	7.055	ug/l #	17
41) Methacrylonitrile	7.567	41	119	Below Cal	#	32
43) Isopropyl Acetate	8.585	43	174	5.257	ug/l #	47
51) 4-Methyl-2-Pentanone	10.214	43	437	30.815	ug/l #	34
56) Ethyl methacrylate	10.655	69	340	6.059	ug/l #	42
59) 2-Hexanone	10.979	43	111	34.628	ug/l #	22
74) N-amyl acetate	12.273	43	157	5.727	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	150890	59.168	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	150890	128.183	ug/l #	18

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

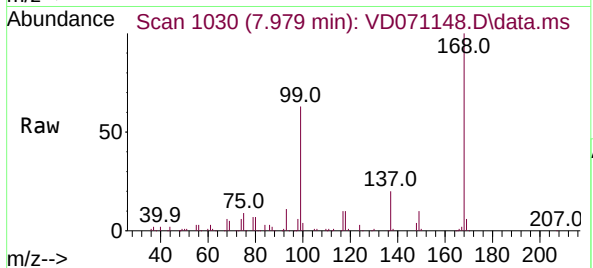
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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



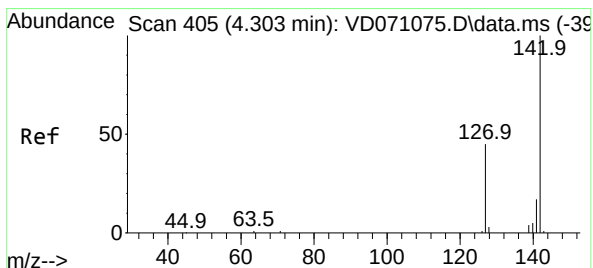
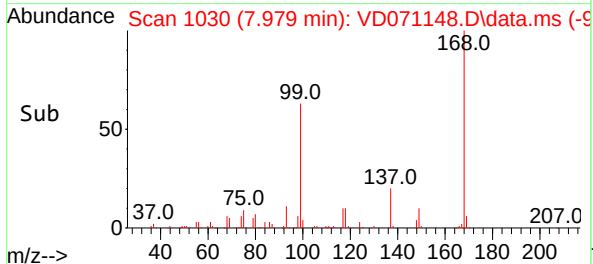
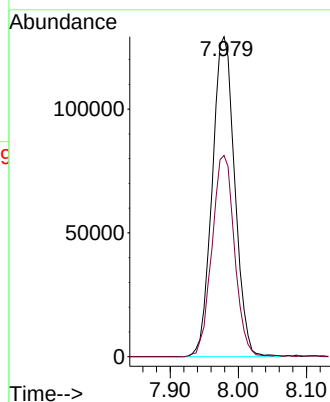


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

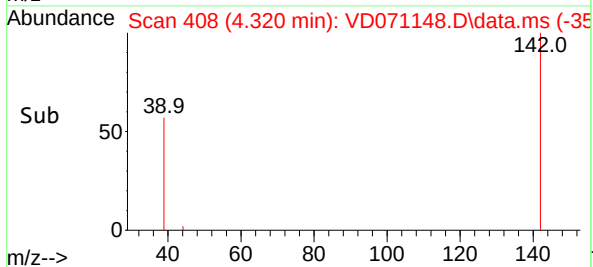
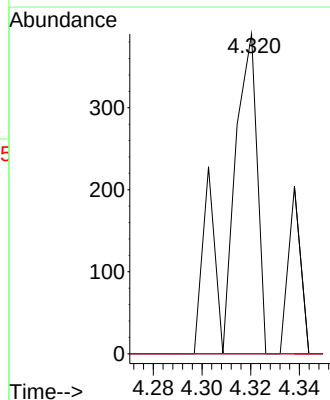
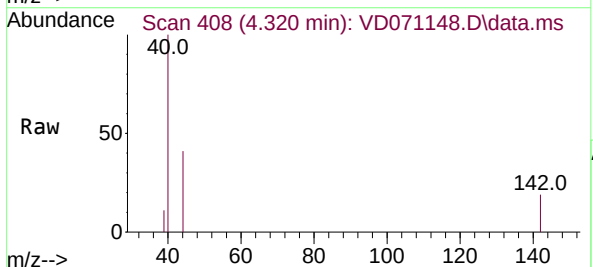


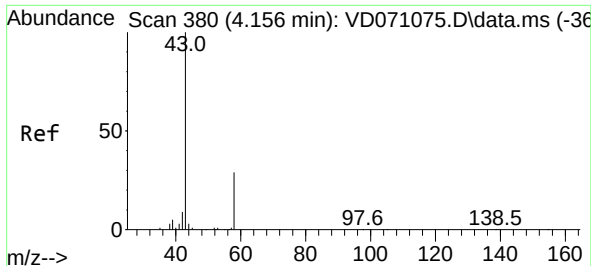
Tgt Ion:168 Resp: 296889
Ion Ratio Lower Upper
168 100
99 62.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.644 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Tgt Ion:142 Resp: 317
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

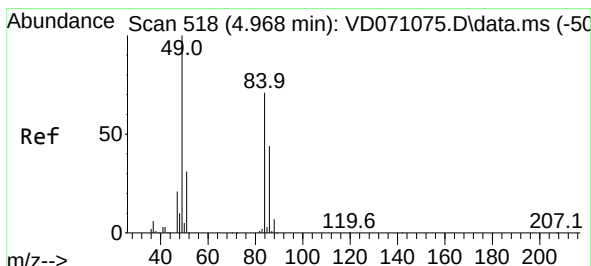
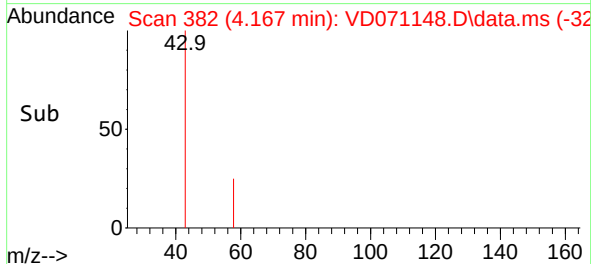
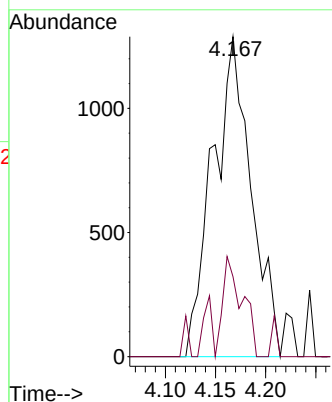
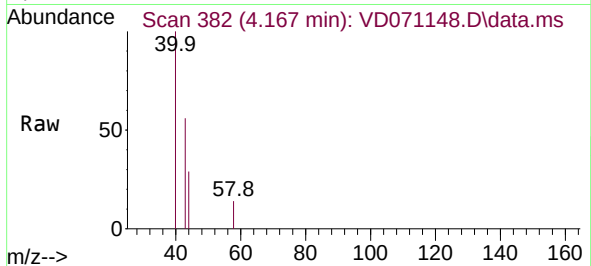




#16
Acetone
Concen: 34.057 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.011 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

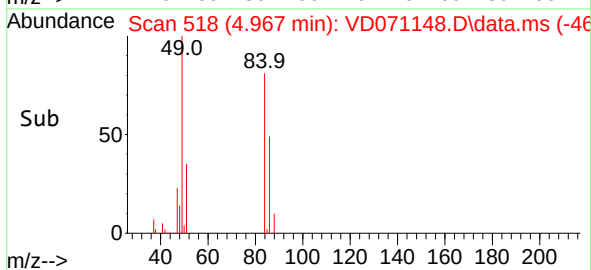
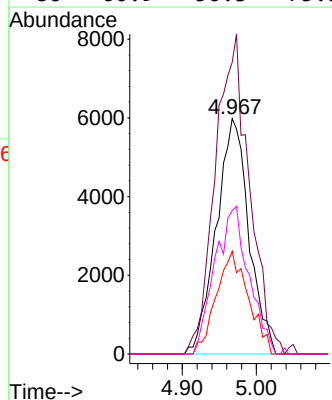
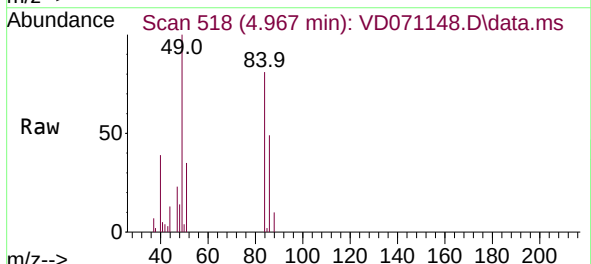
Instrument :
MSVOA_D
ClientSampleId :

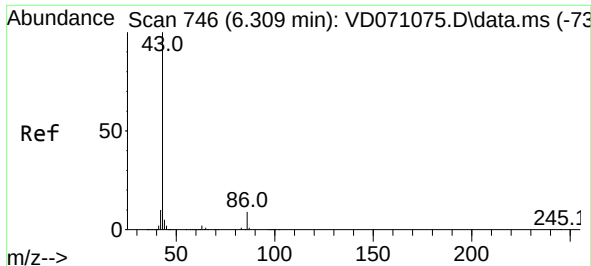
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 25.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.106 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Tgt Ion: 84 Resp: 18246
Ion Ratio Lower Upper
84 100
49 123.9 95.8 143.6
51 43.6 30.9 46.3
86 60.9 50.3 75.5

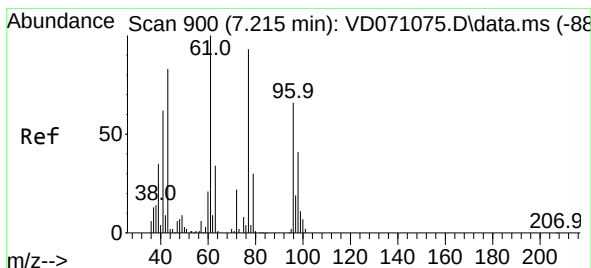
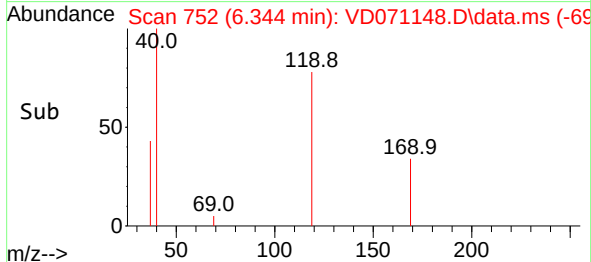
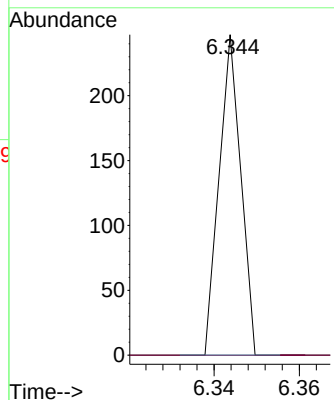
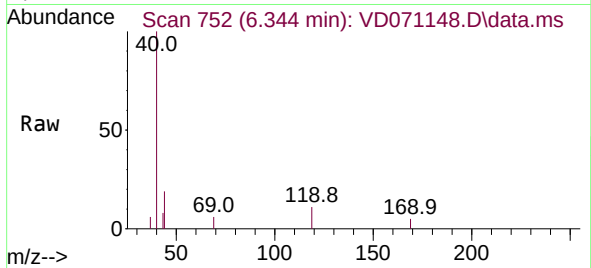




#23
 Vinyl Acetate
 Concen: 27.232 ug/l
 RT: 6.344 min Scan# 71
 Delta R.T. 0.035 min
 Lab File: VD071148.D
 Acq: 04 Dec 2021 17:21

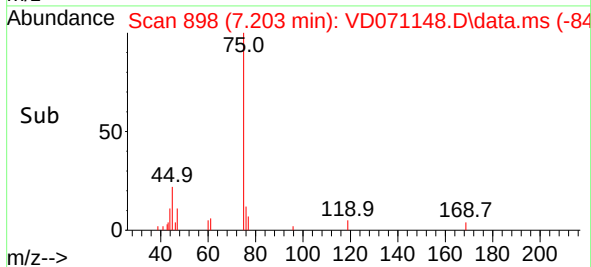
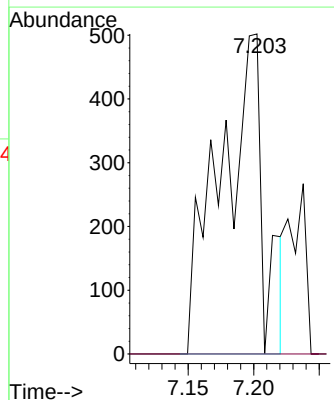
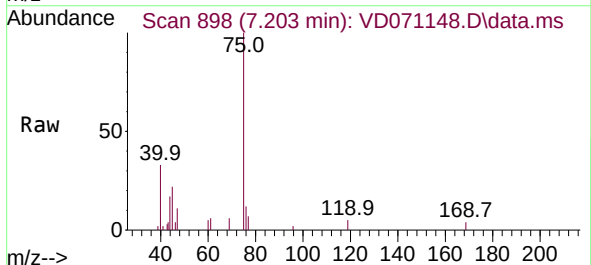
Instrument :
 MSVOA_D
 ClientSampleId :

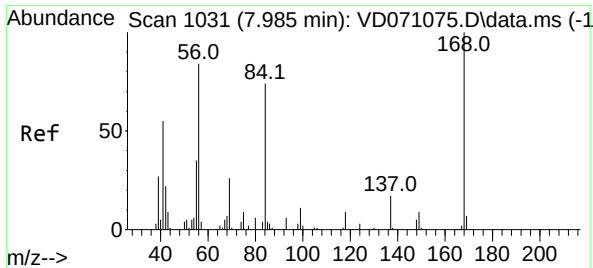
Tgt Ion: 43 Resp: 87
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.317 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071148.D
 Acq: 04 Dec 2021 17:21

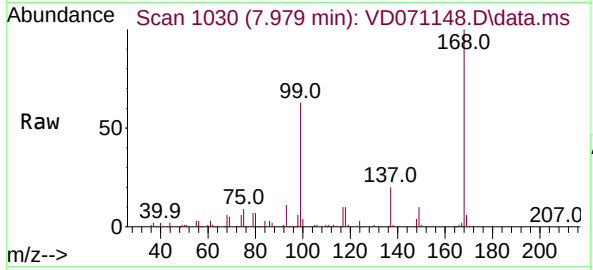
Tgt Ion: 43 Resp: 1155
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



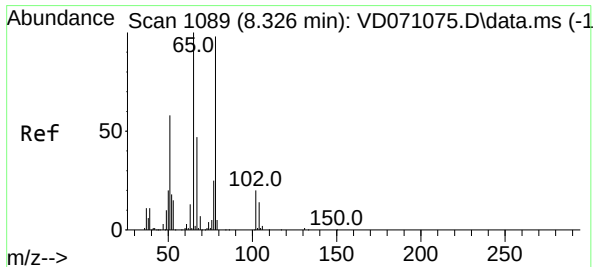
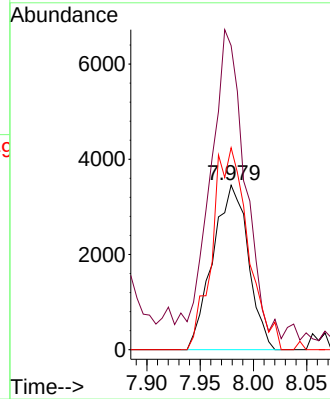
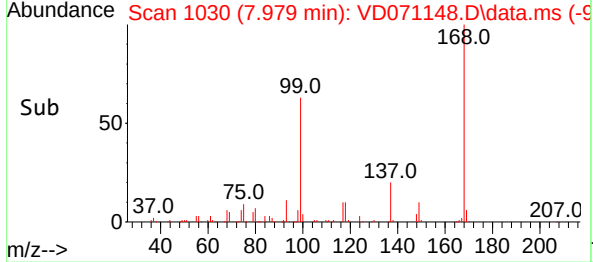


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

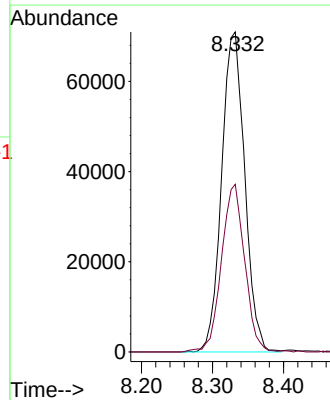
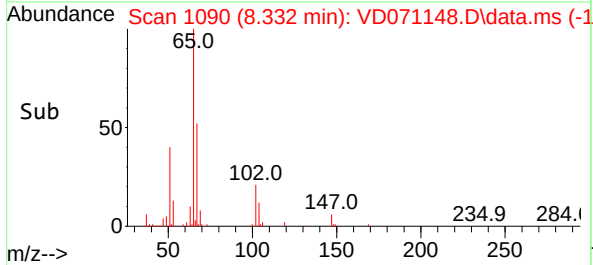
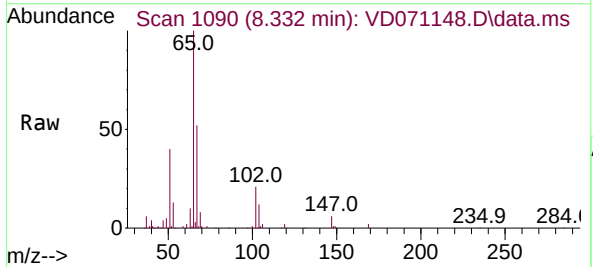


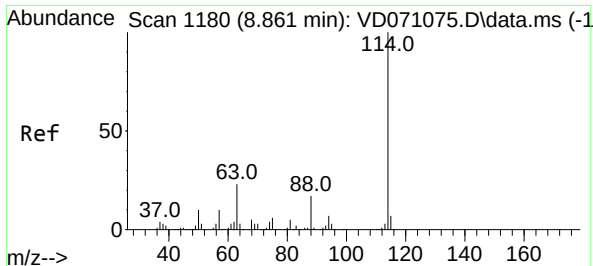
Tgt Ion:	56	Resp:	8014
Ion Ratio	Lower	Upper	
56	100		
69	178.1	25.9	38.9#
84	122.7	64.3	96.5#



#33
1,2-Dichloroethane-d4
Concen: 45.948 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Tgt Ion:	65	Resp:	160068
Ion Ratio	Lower	Upper	
65	100		
67	52.6	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: VD071148.D

Acq: 04 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

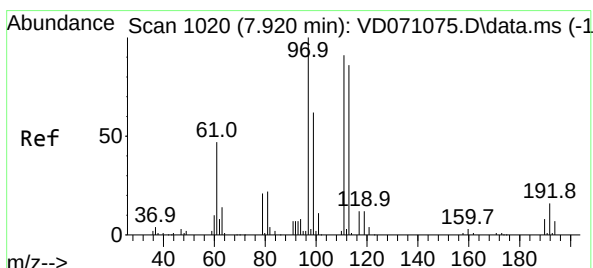
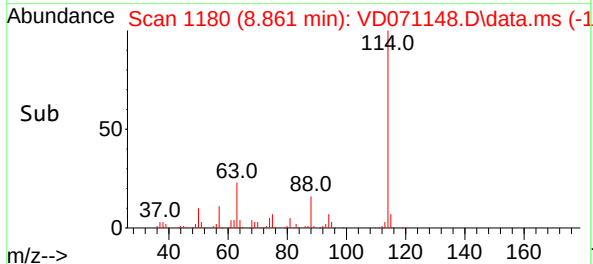
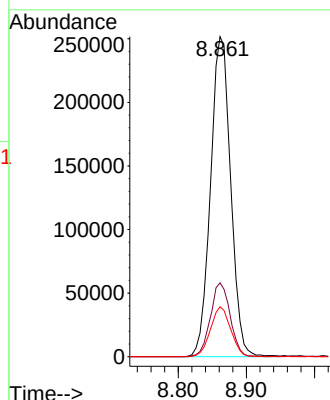
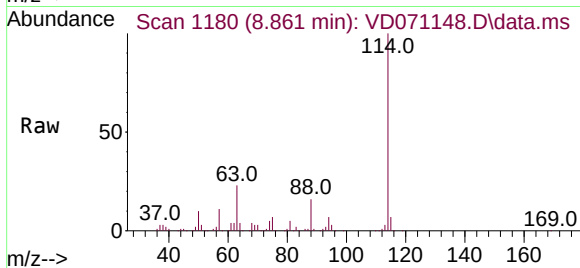
Tgt Ion:114 Resp: 517314

Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.678 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071148.D

Acq: 04 Dec 2021 17:21

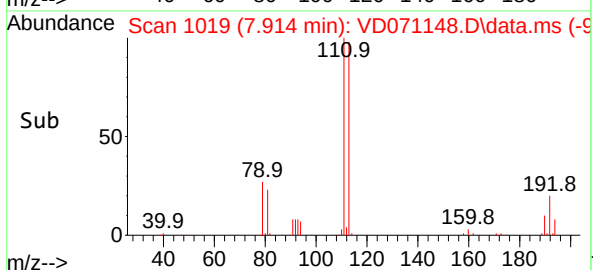
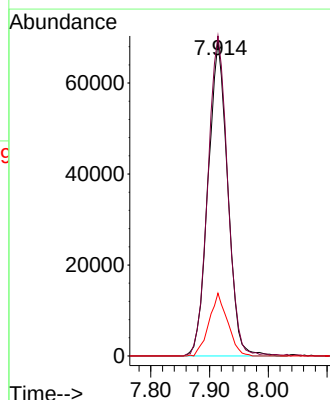
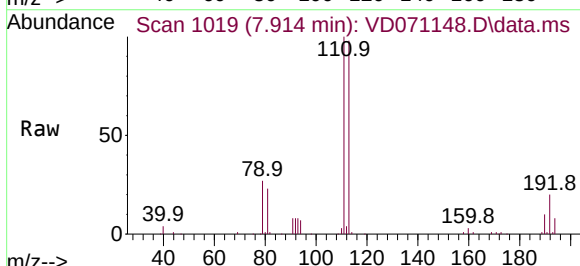
Tgt Ion:113 Resp: 160354

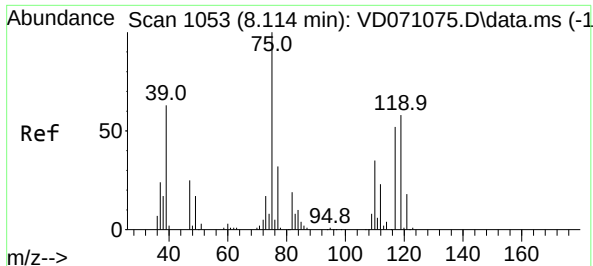
Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 18.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.543 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071148.D

Acq: 04 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

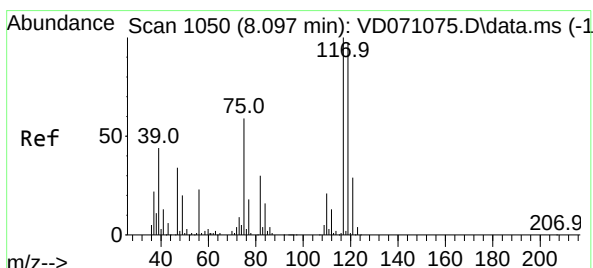
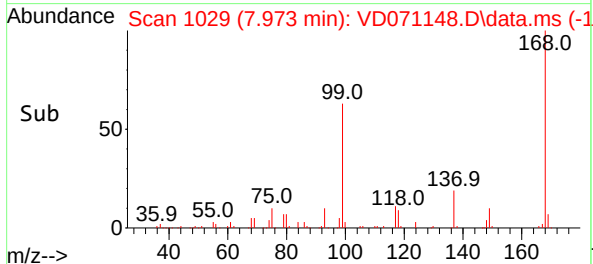
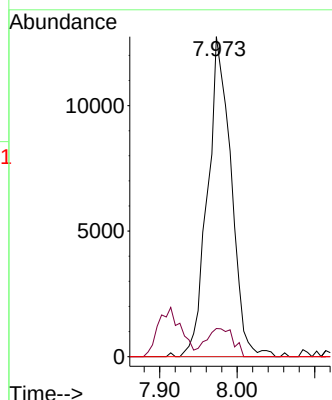
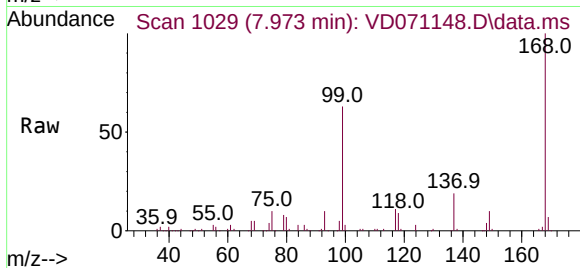
Tgt Ion: 75 Resp: 26801

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.055 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071148.D

Acq: 04 Dec 2021 17:21

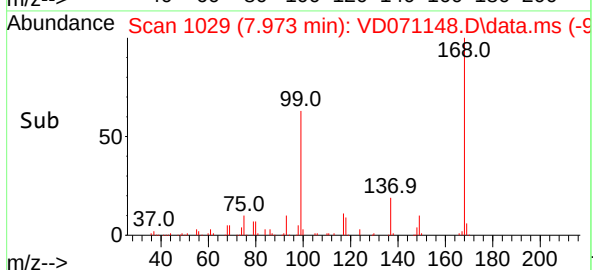
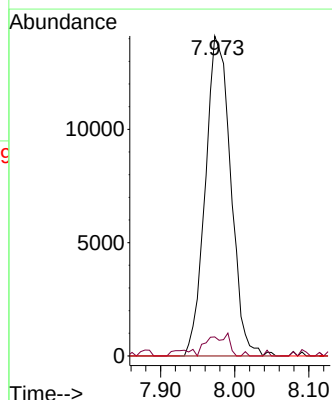
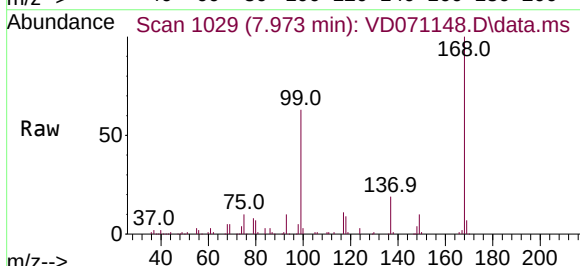
Tgt Ion: 117 Resp: 33625

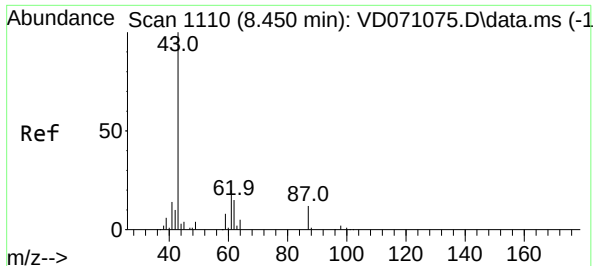
Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.257 ug/l

RT: 8.585 min Scan# 1110

Delta R.T. 0.135 min

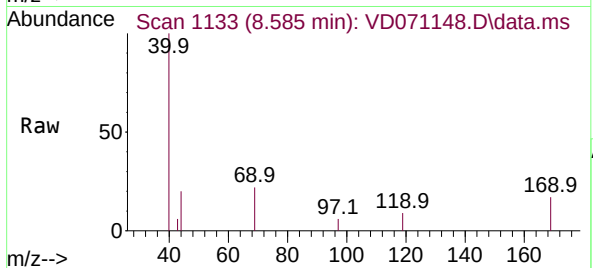
Lab File: VD071148.D

Acq: 04 Dec 2021 17:21

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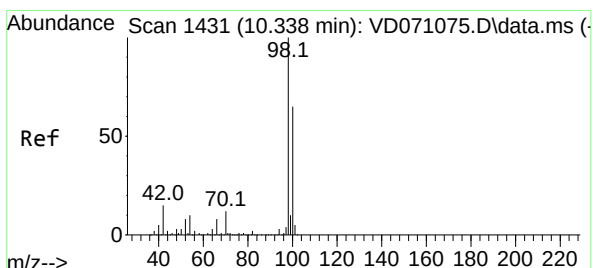
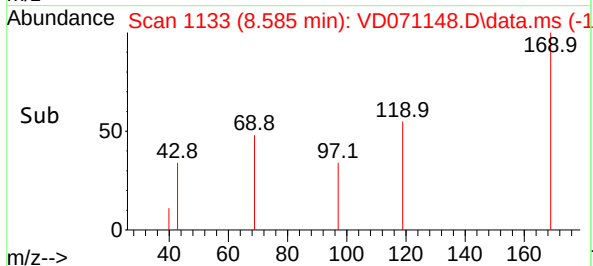
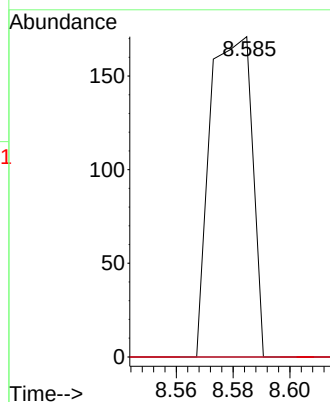
Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.568 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071148.D

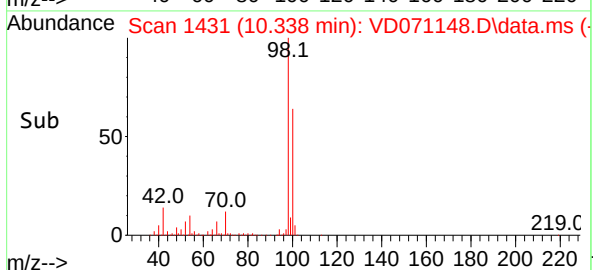
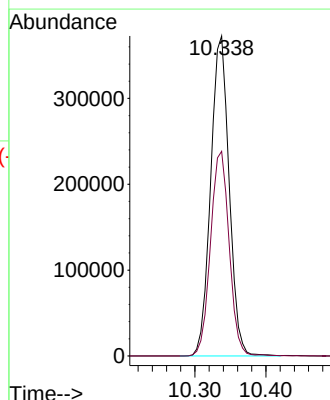
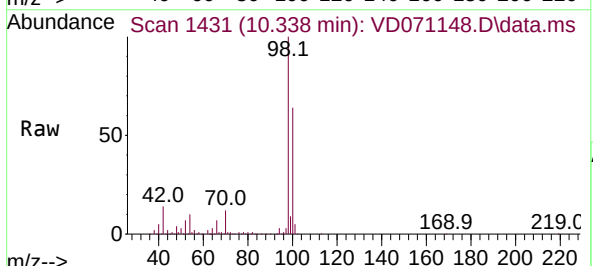
Acq: 04 Dec 2021 17:21

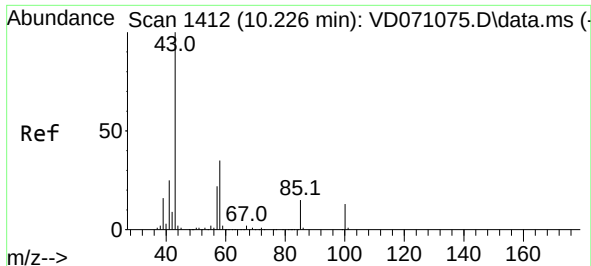
Tgt Ion: 98 Resp: 671532

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6

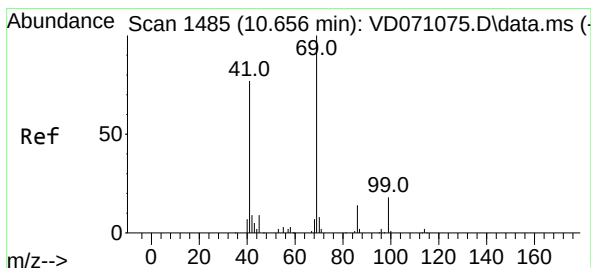
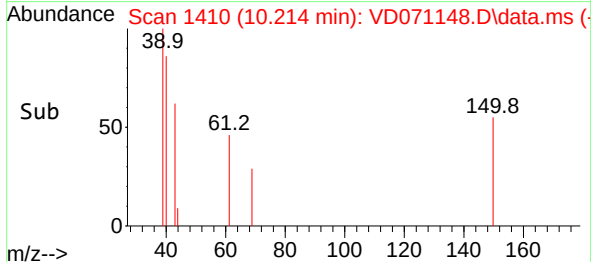
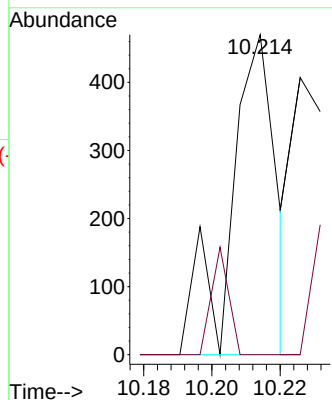
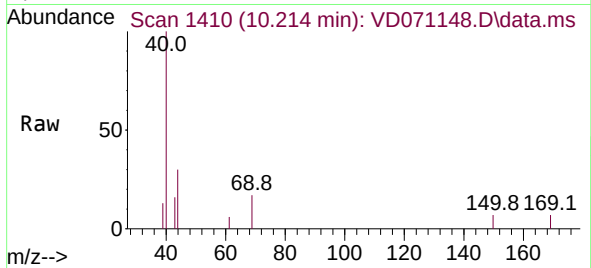




#51
4-Methyl-2-Pentanone
Concen: 30.815 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

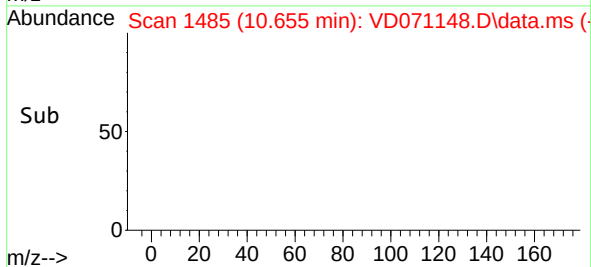
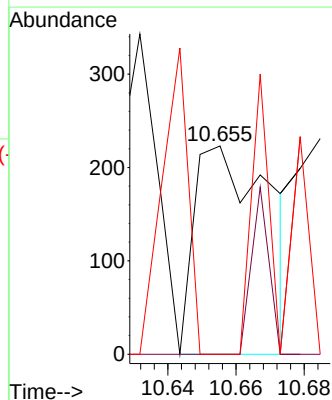
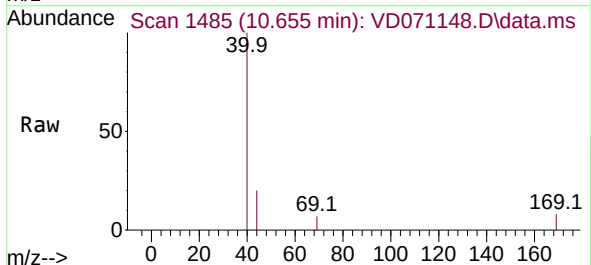
Instrument :
MSVOA_D
ClientSampleId :

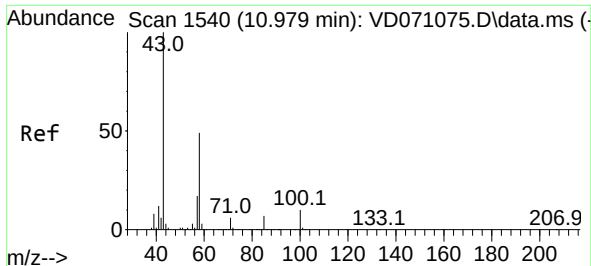
Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.059 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Tgt Ion: 69 Resp: 340
Ion Ratio Lower Upper
69 100
41 18.5 50.2 75.2#
39 55.3 19.8 29.8#

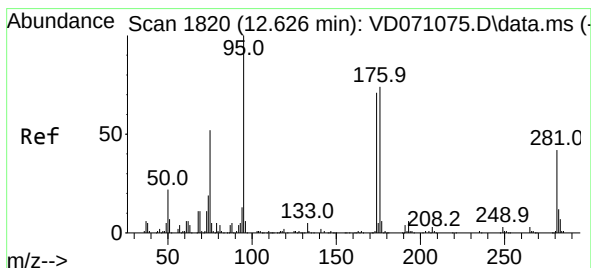
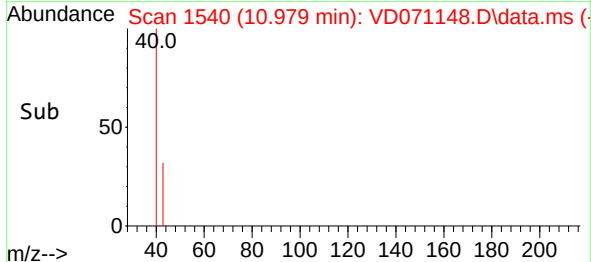
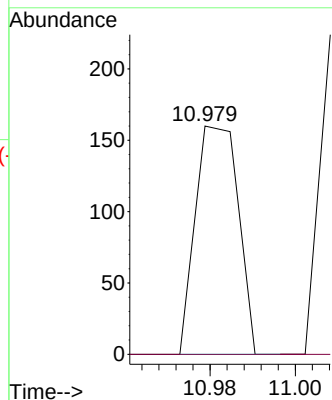
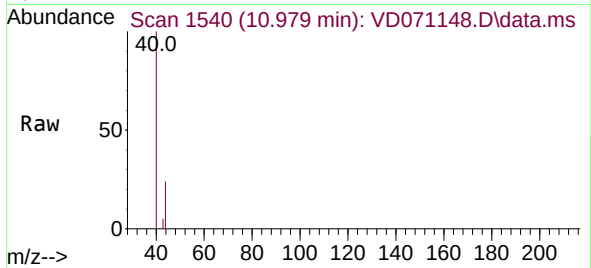




#59
2-Hexanone
Concen: 34.628 ug/l
RT: 10.979 min Scan# 111
Delta R.T. -0.000 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

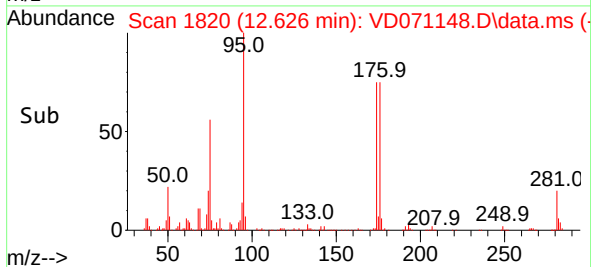
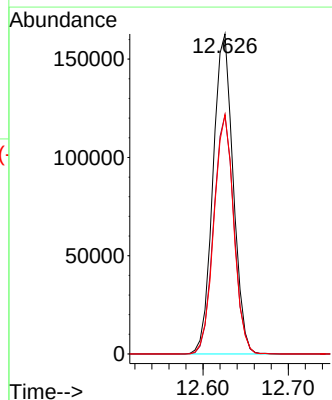
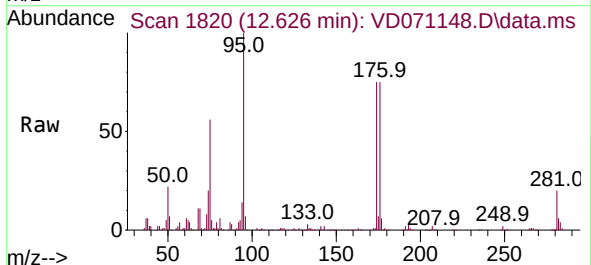
Instrument :
MSVOA_D
ClientSampleId :

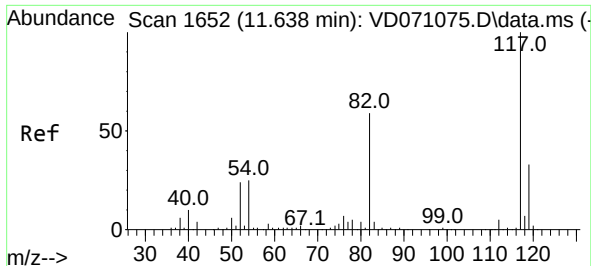
Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 61.557 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Tgt Ion: 95 Resp: 267495
Ion Ratio Lower Upper
95 100
174 74.5 0.0 159.4
176 73.5 0.0 154.0

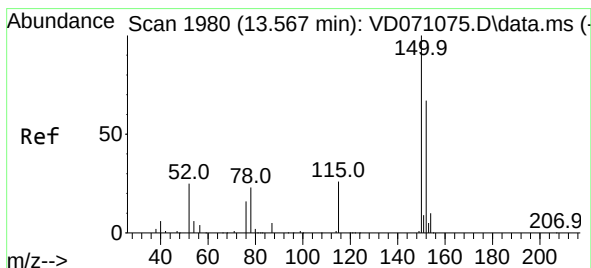
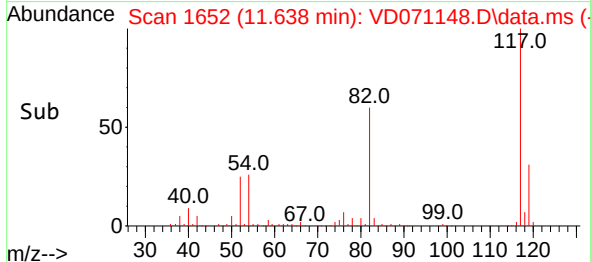
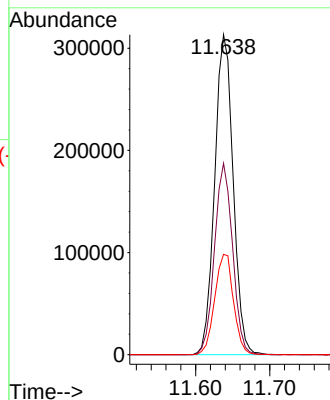
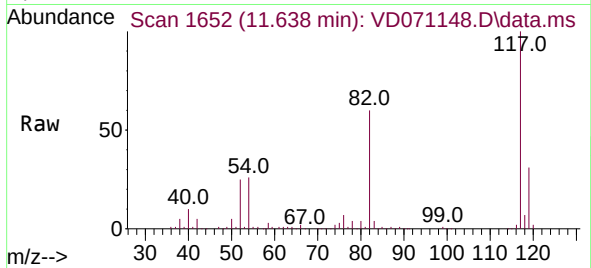




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

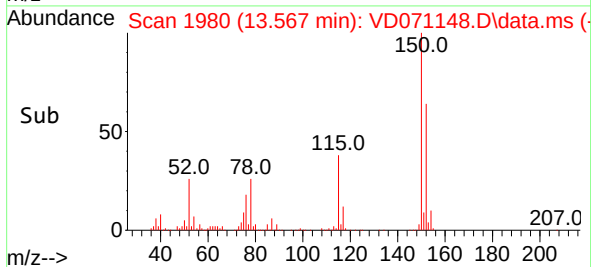
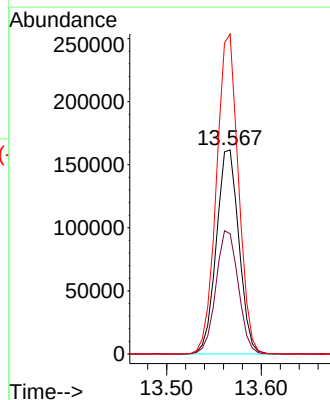
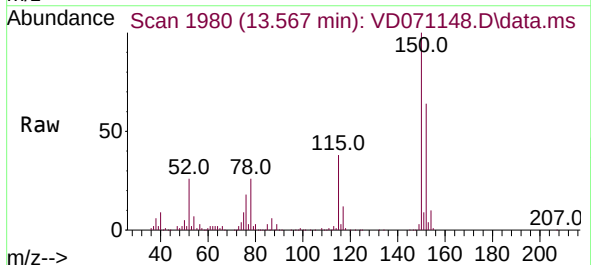
Instrument :
MSVOA_D
ClientSampleId :

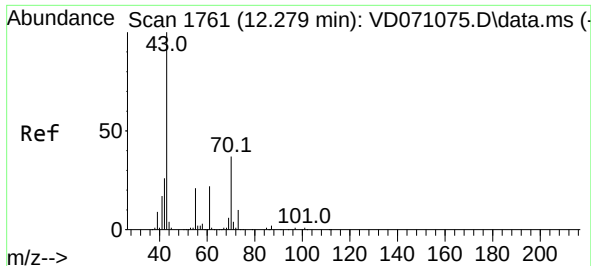
Tgt Ion:117 Resp: 542655
Ion Ratio Lower Upper
117 100
82 59.8 44.7 67.1
119 31.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

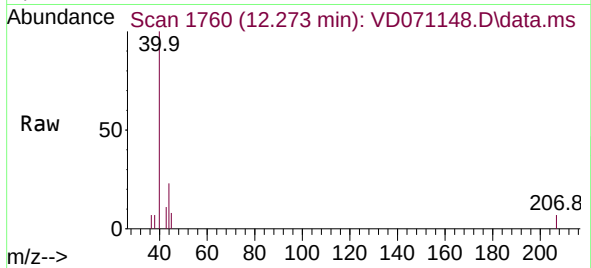
Tgt Ion:152 Resp: 267666
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 152.8 0.0 349.2



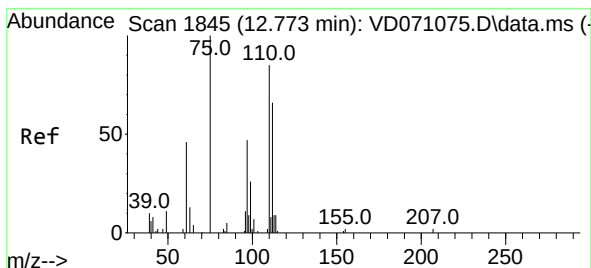
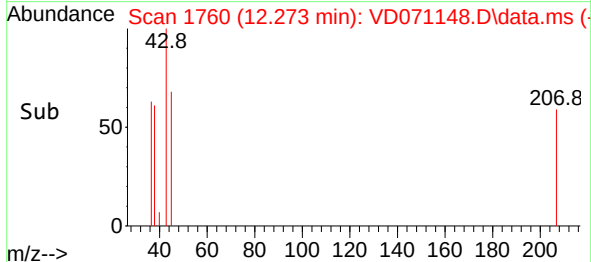
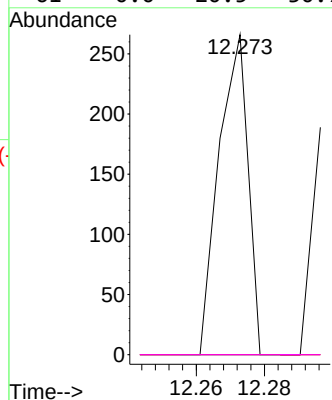


#74
N-amy1 acetate
Concen: 5.727 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

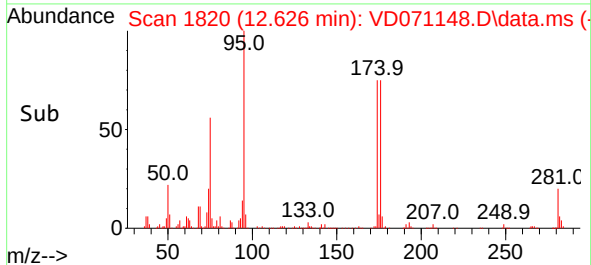
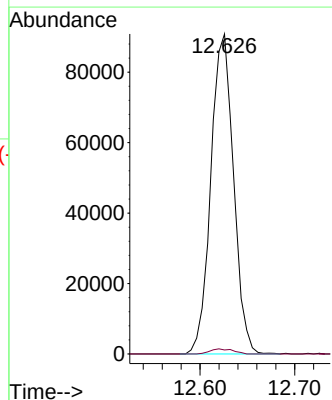
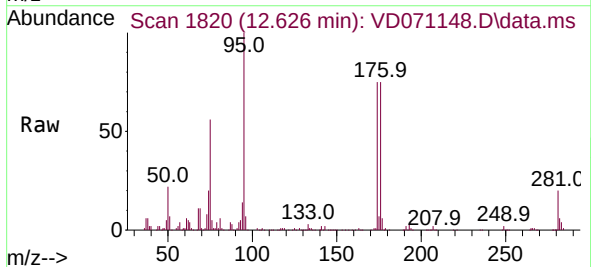


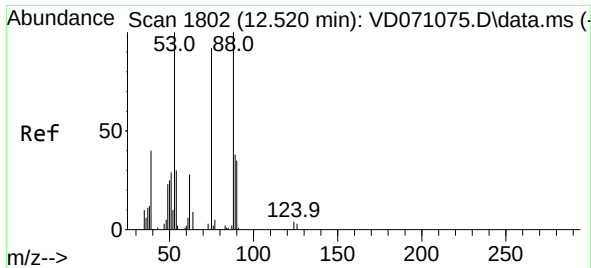
Tgt Ion: 43	Resp: 157
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.168 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071148.D
Acq: 04 Dec 2021 17:21

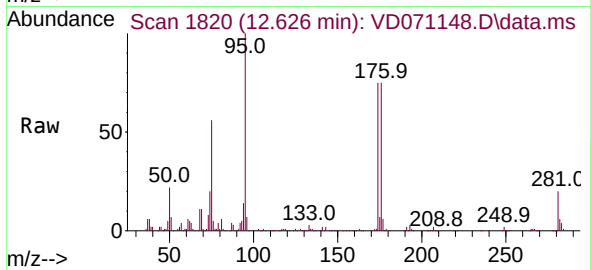
Tgt Ion: 75	Resp: 150890
Ion Ratio	Lower Upper
75 100	
77 1.6	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.183 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071148.D
 Acq: 04 Dec 2021 17:21

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 150890
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.1 34.5 51.7#

