

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071168.D
 Acq On : 06 Dec 2021 14:18
 Operator : VA/SY
 Sample : M4945-01
 Misc : 4.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-COMP

Quant Time: Dec 07 06:52:12 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

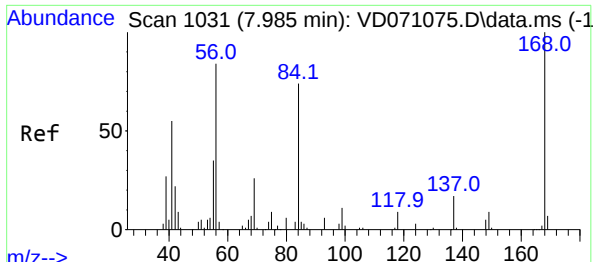
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	308102	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	533628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	553568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	264887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	156521	43.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.600%
35) Dibromofluoromethane	7.908	113	160811	47.324	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.640%
50) Toluene-d8	10.332	98	675931	52.270	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.540%
62) 4-Bromofluorobenzene	12.626	95	261506	58.339	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.680%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	197	4.610	ug/l #	40
11) Tert butyl alcohol	5.185	59	1736	Below Cal	#	71
16) Acetone	4.156	43	5905	36.190	ug/l #	79
20) Methylene Chloride	4.967	84	9710	Below Cal	#	93
23) Vinyl Acetate	6.297	43	116	27.236	ug/l #	72
25) 2-Butanone	7.197	43	359	28.646	ug/l #	45
31) Cyclohexane	7.973	56	9550	1.553	ug/l #	46
36) 1,1-Dichloropropene	7.979	75	29597	5.934	ug/l #	49
38) Carbon Tetrachloride	7.973	117	31879	6.484	ug/l #	15
41) Methacrylonitrile	7.520	41	329	Below Cal	#	12
43) Isopropyl Acetate	8.444	43	245	5.269	ug/l #	47
51) 4-Methyl-2-Pentanone	10.332	43	4488	32.273	ug/l #	1
56) Ethyl methacrylate	10.744	69	78	5.990	ug/l #	2
59) 2-Hexanone	10.979	43	374	34.750	ug/l	63
74) N-amyl acetate	12.273	43	76	5.714	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	146827	58.179	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	146827	126.136	ug/l #	18

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

Quant Time: Dec 07 06:52:12 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

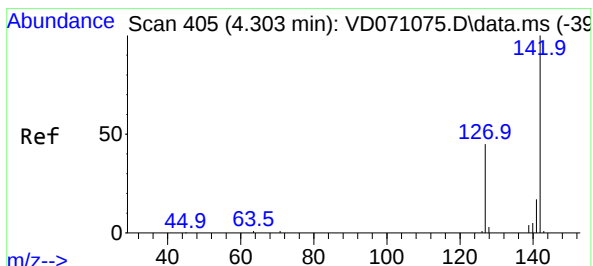
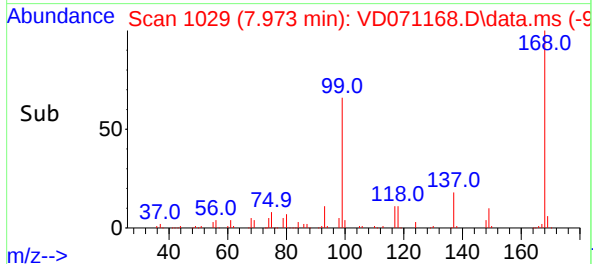
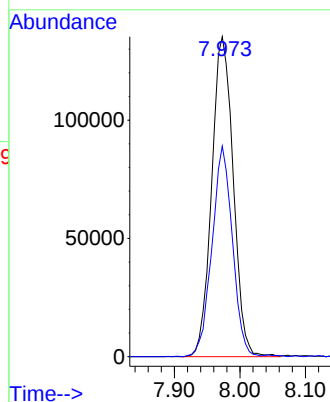
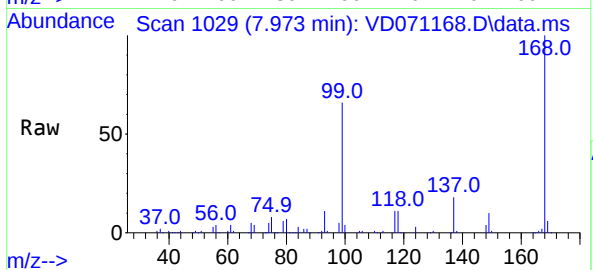




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

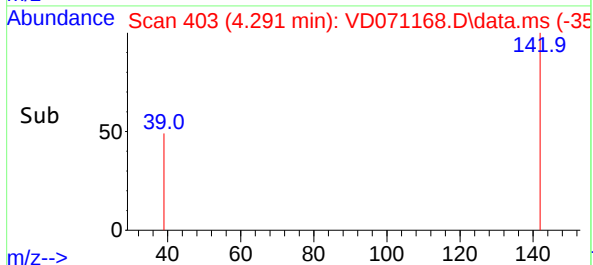
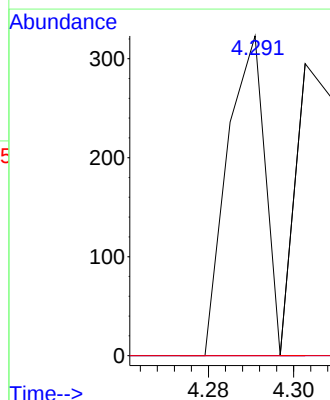
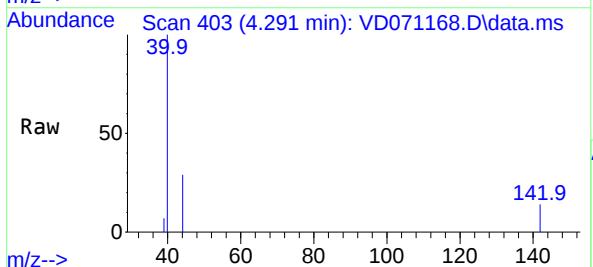
Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

Tgt Ion:168 Resp: 308102
Ion Ratio Lower Upper
168 100
99 65.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.610 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Tgt Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

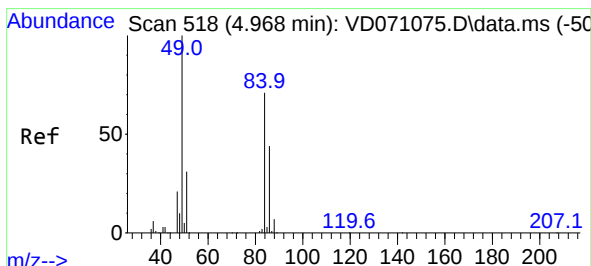
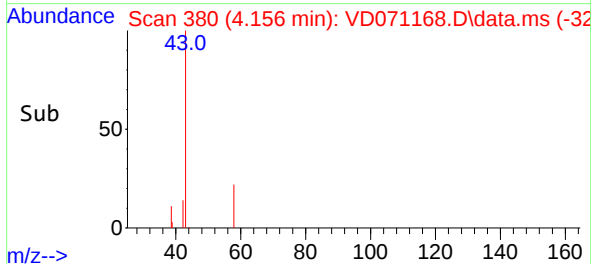
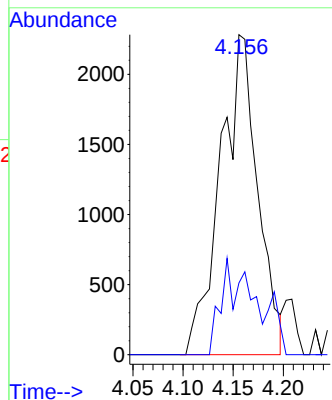
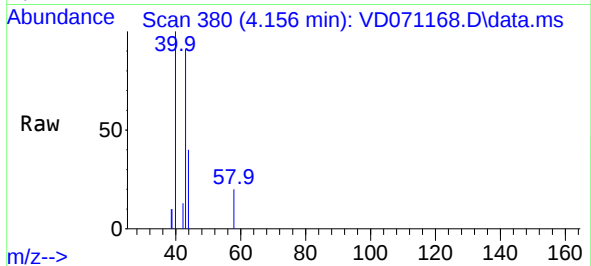




#16
Acetone
Concen: 36.190 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

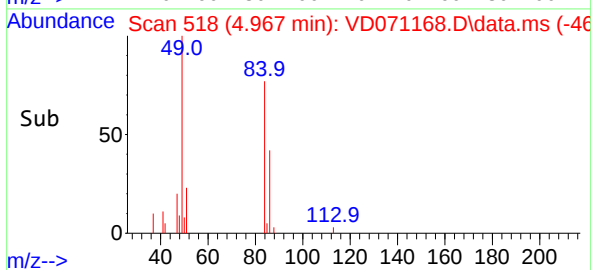
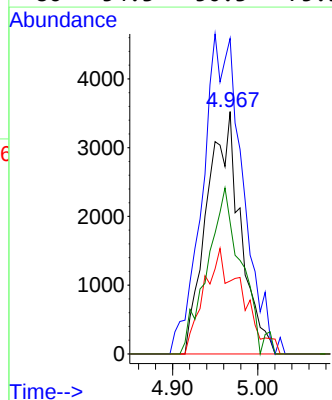
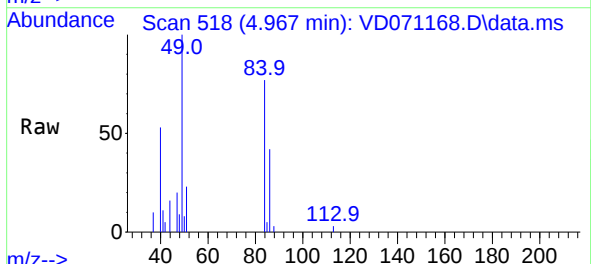
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ClientSampleId :
TP-7-COMP

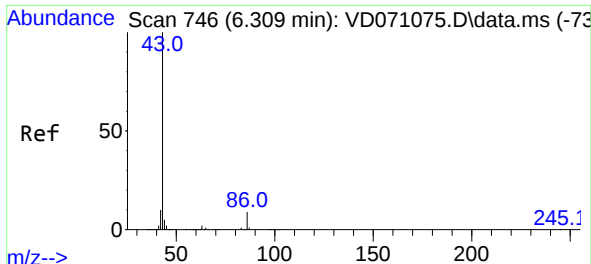
Tgt Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
58 22.4 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Tgt Ion: 84 Resp: 9710
Ion Ratio Lower Upper
84 100
49 123.3 95.8 143.6
51 30.1 30.9 46.3#
86 54.3 50.3 75.5

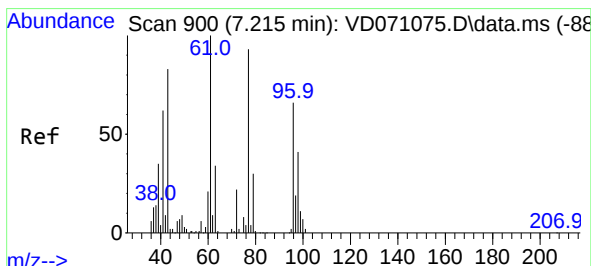
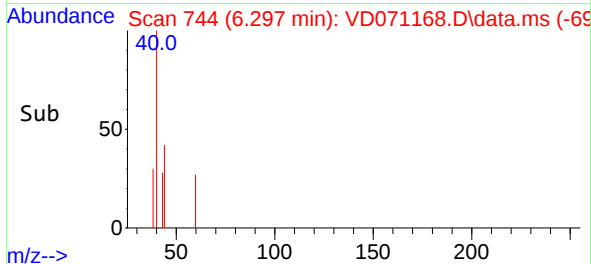
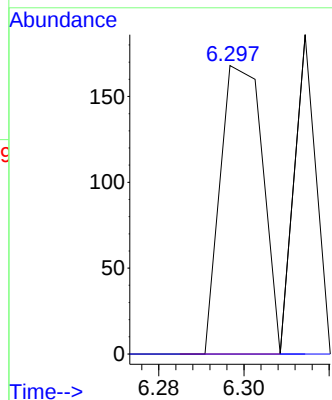
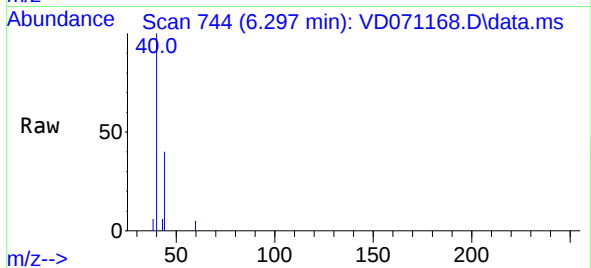




#23
 Vinyl Acetate
 Concen: 27.236 ug/l
 RT: 6.297 min Scan# 746
 Delta R.T. -0.012 min
 Lab File: VD071168.D
 Acq: 06 Dec 2021 14:18

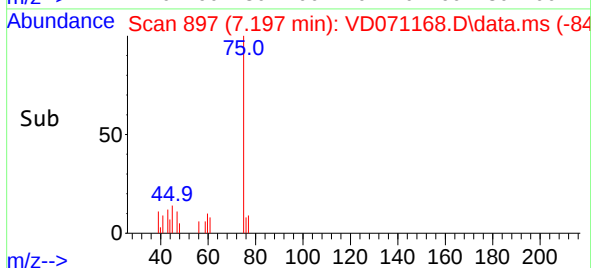
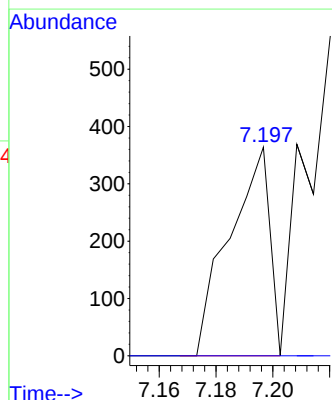
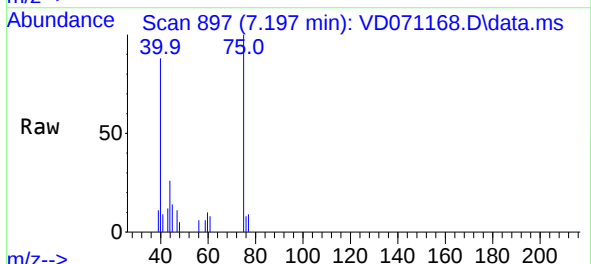
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7-COMP

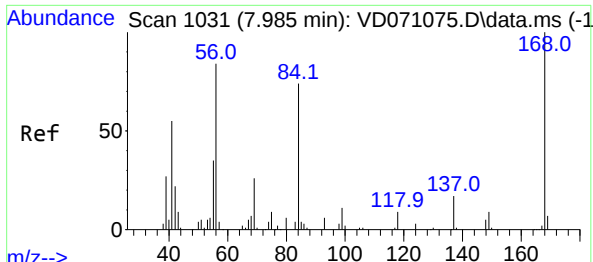
Tgt Ion: 43 Resp: 116
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.646 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071168.D
 Acq: 06 Dec 2021 14:18

Tgt Ion: 43 Resp: 359
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

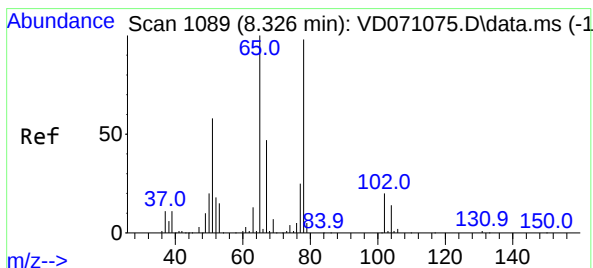
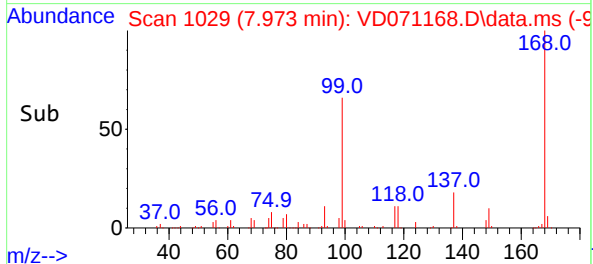
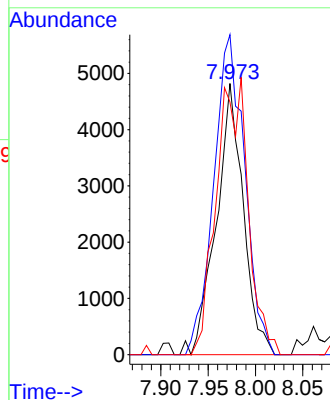
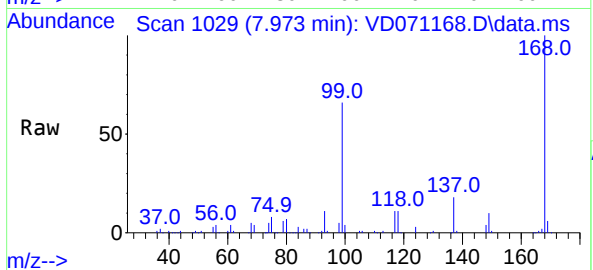




#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

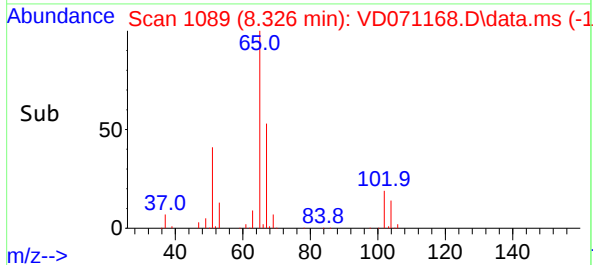
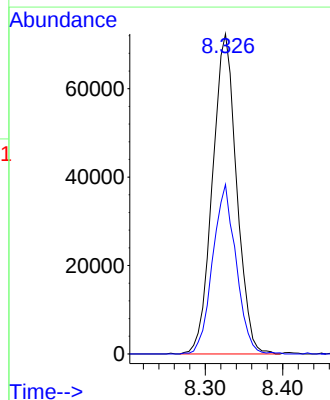
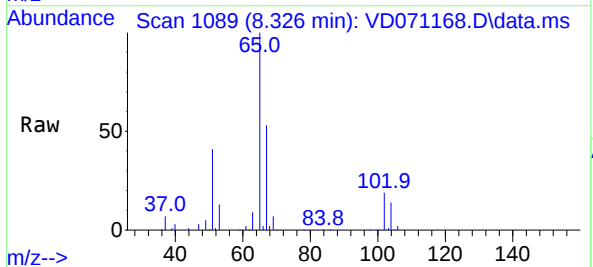
Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

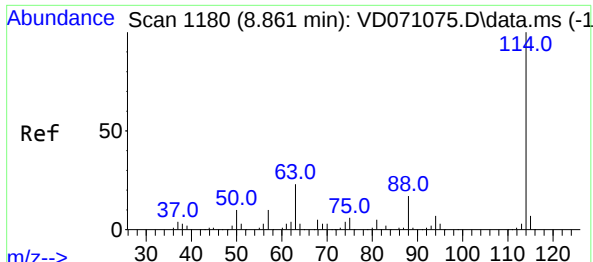
Tgt Ion: 56 Resp: 9550
Ion Ratio Lower Upper
56 100
69 118.0 25.9 38.9#
84 93.2 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 43.295 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Tgt Ion: 65 Resp: 156521
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

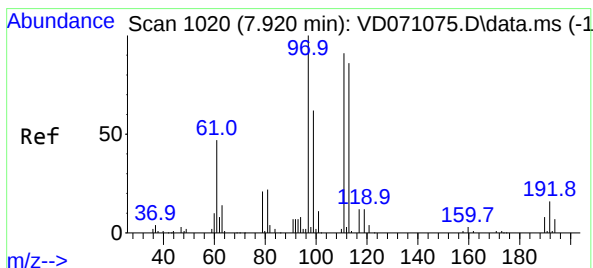
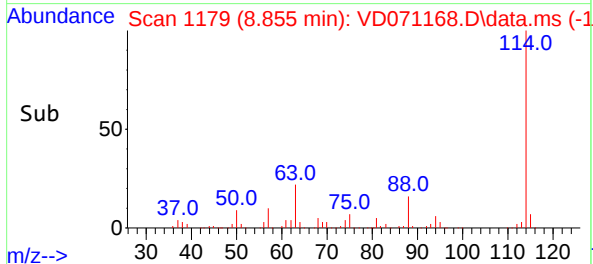
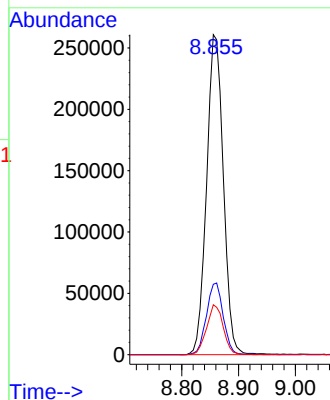
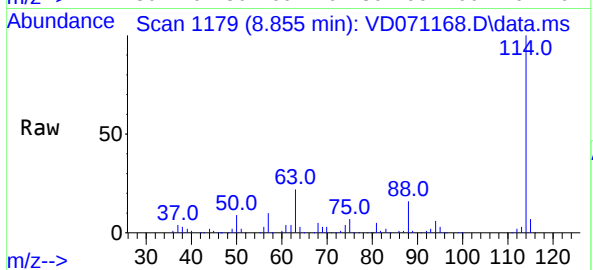
Tgt Ion:114 Resp: 533628

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 15.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 47.324 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

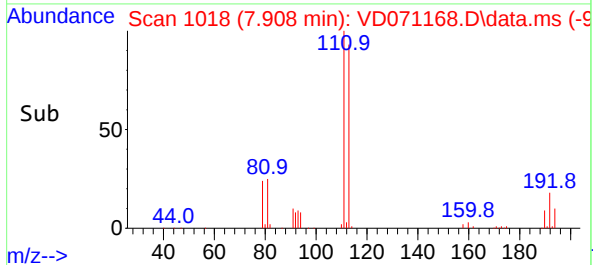
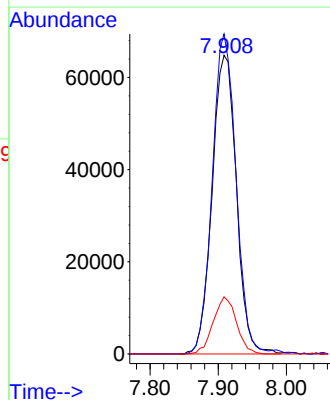
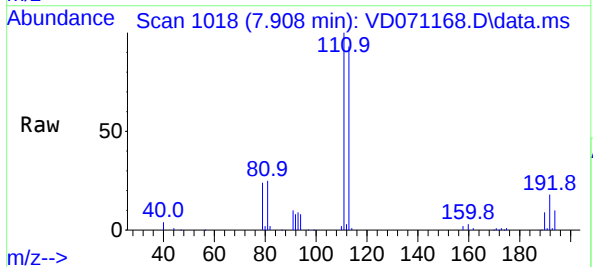
Tgt Ion:113 Resp: 160811

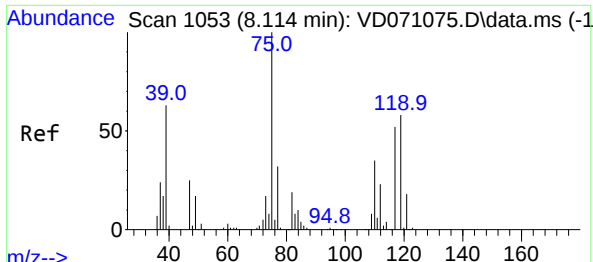
Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

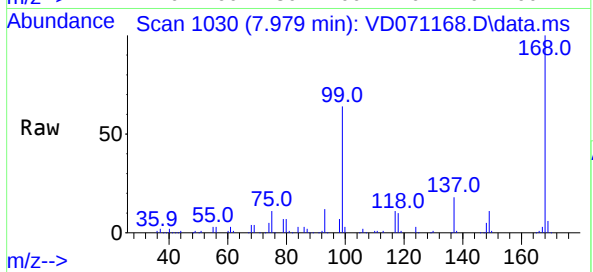
192 18.3 15.2 22.8



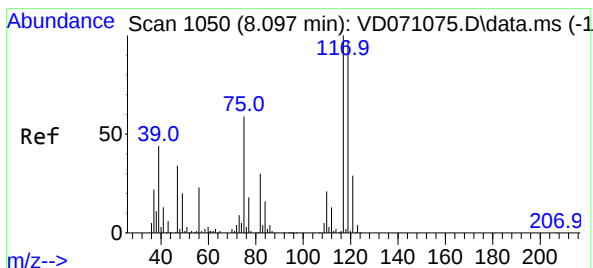
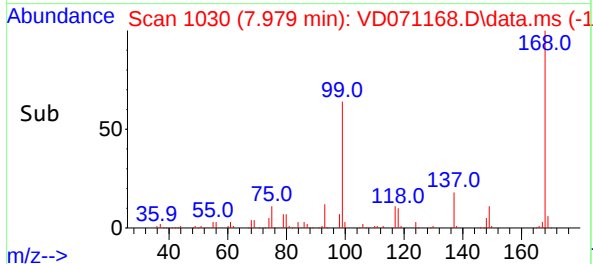
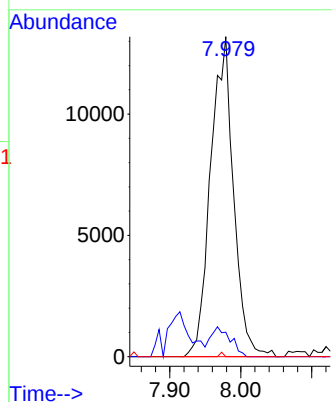


#36
1,1-Dichloropropene
Concen: 5.934 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Instrument :
MSVOA_D
ClientSampleId :
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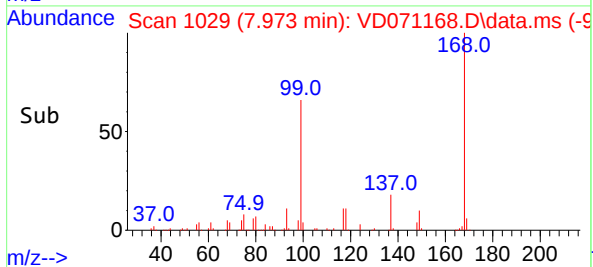
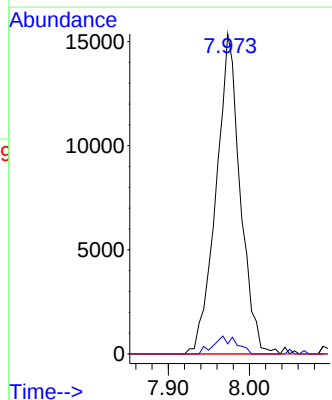
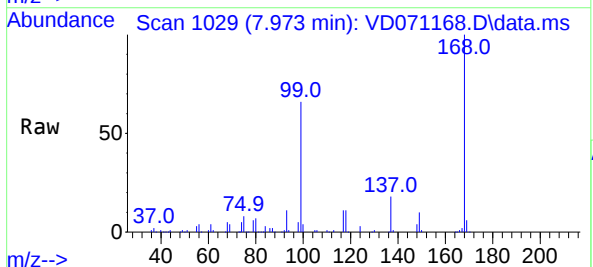


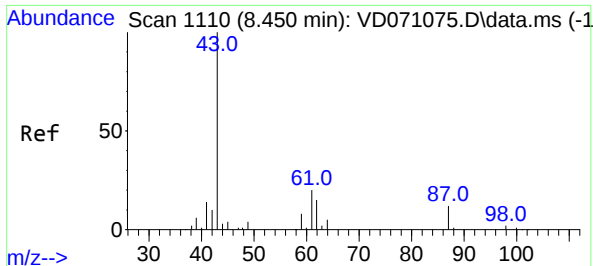
Tgt Ion: 75 Resp: 29597
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.4#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.484 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Tgt Ion: 117 Resp: 31879
Ion Ratio Lower Upper
117 100
119 3.1 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.269 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

Instrument :

MSVOA_D

ClientSampleId :

TP-7-COMP

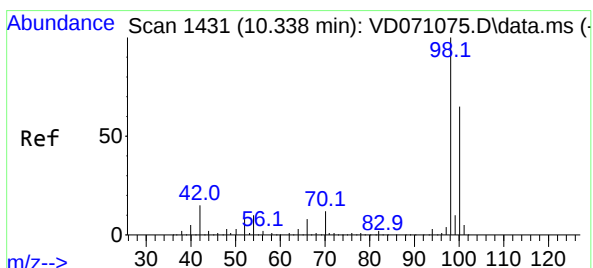
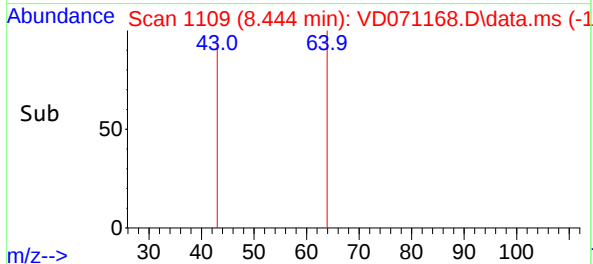
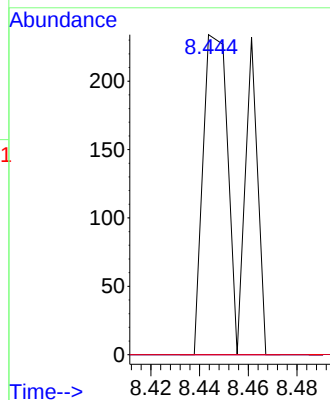
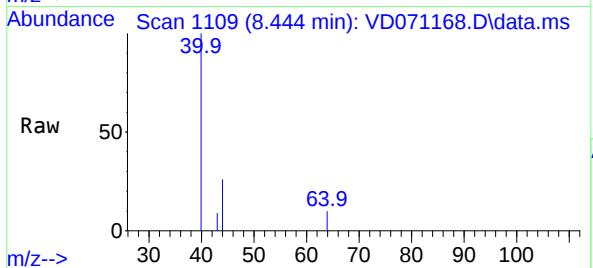
Tgt Ion: 43 Resp: 245

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.270 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071168.D

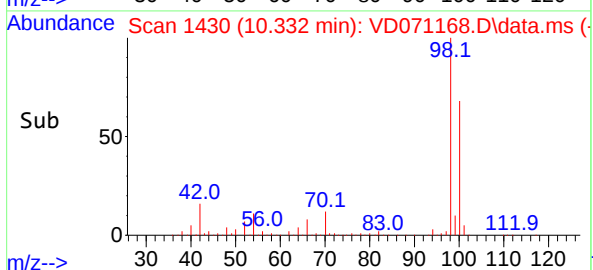
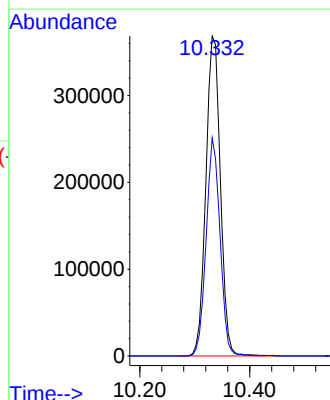
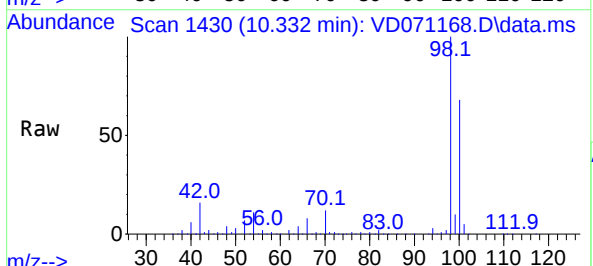
Acq: 06 Dec 2021 14:18

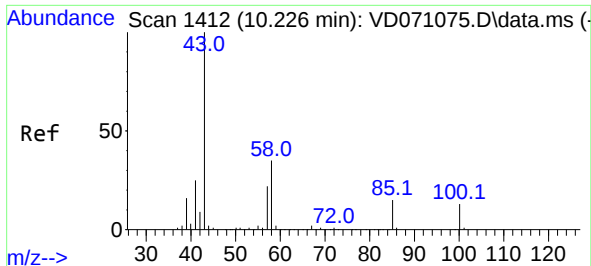
Tgt Ion: 98 Resp: 675931

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 32.273 ug/l

RT: 10.332 min Scan# 1412

Delta R.T. 0.106 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

Instrument :

MSVOA_D

ClientSampleId :

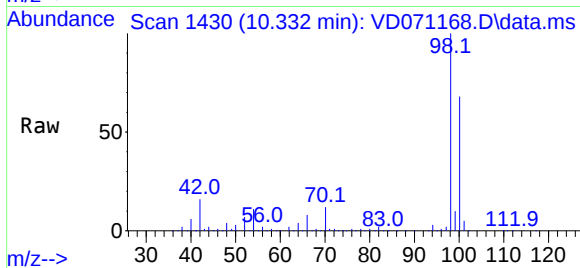
TP-7-COMP

Tgt Ion: 43 Resp: 4488

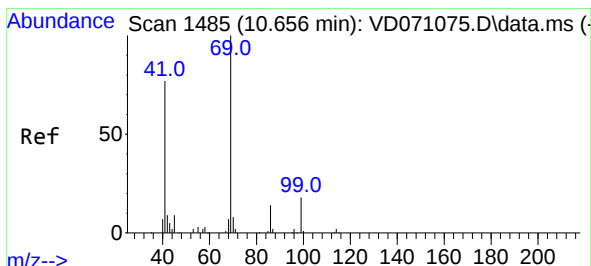
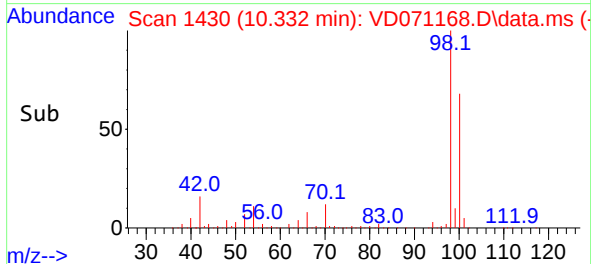
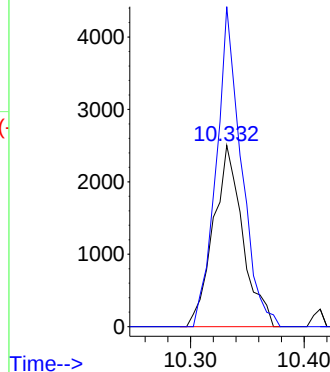
Ion Ratio Lower Upper

43 100

58 151.4 33.1 49.7#



Abundance



#56

Ethyl methacrylate

Concen: 5.990 ug/l

RT: 10.744 min Scan# 1500

Delta R.T. 0.088 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

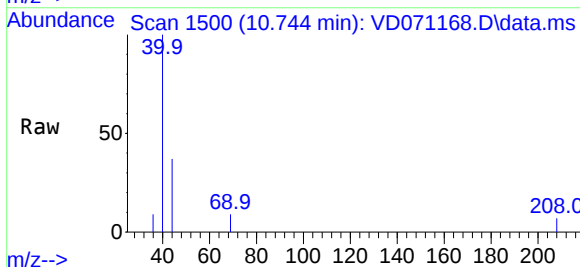
Tgt Ion: 69 Resp: 78

Ion Ratio Lower Upper

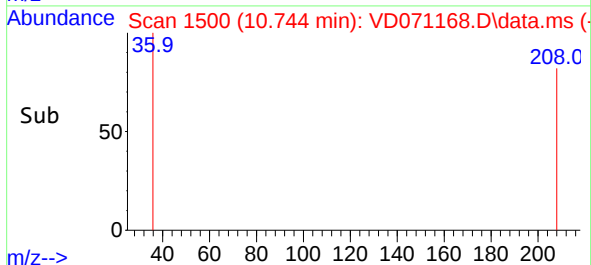
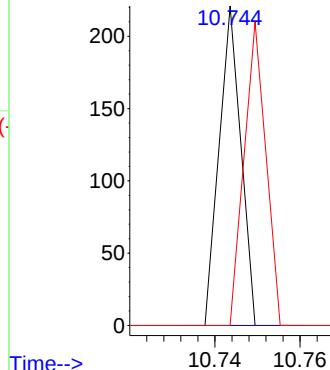
69 100

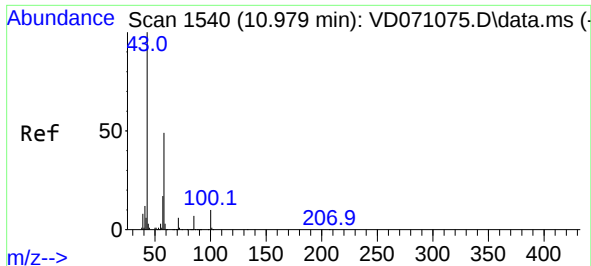
41 0.0 50.2 75.2#

39 94.9 19.8 29.8#



Abundance





#59

2-Hexanone

Concen: 34.750 ug/l

RT: 10.979 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

Instrument :

MSVOA_D

ClientSampleId :

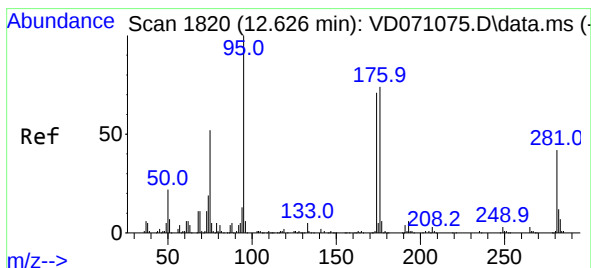
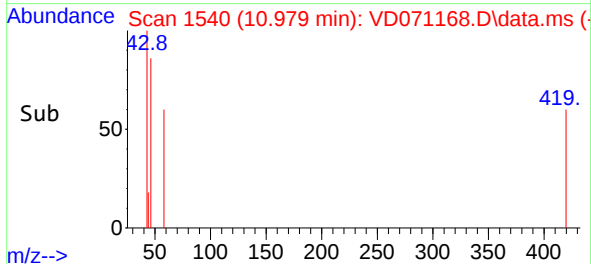
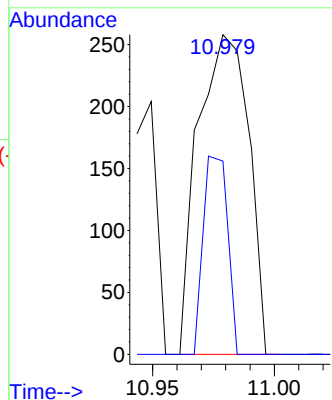
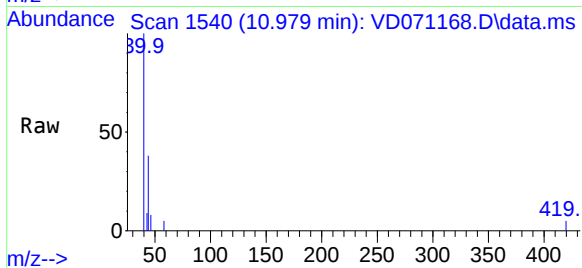
TP-7-COMP

Tgt Ion: 43 Resp: 374

Ion Ratio Lower Upper

43 100

58 29.9 28.7 86.1



#62

4-Bromofluorobenzene

Concen: 58.339 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071168.D

Acq: 06 Dec 2021 14:18

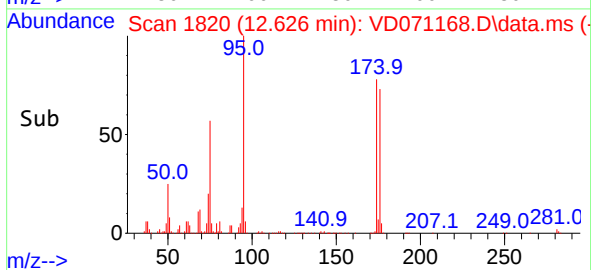
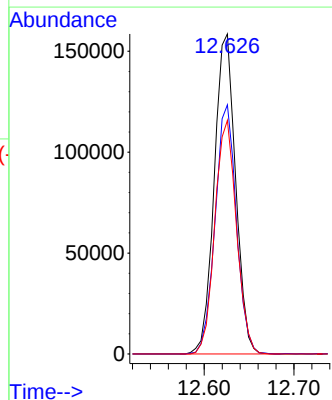
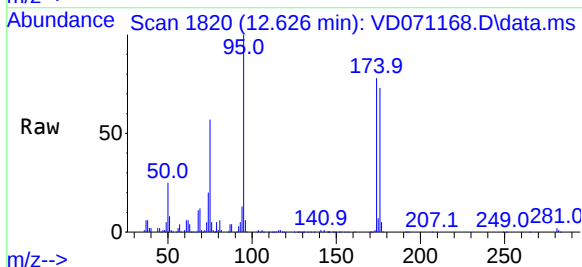
Tgt Ion: 95 Resp: 261506

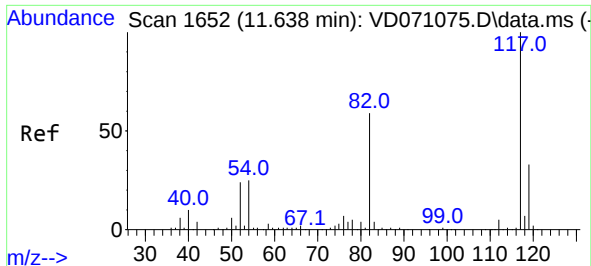
Ion Ratio Lower Upper

95 100

174 77.5 0.0 159.4

176 73.9 0.0 154.0

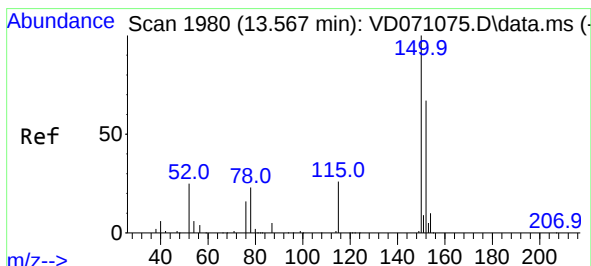
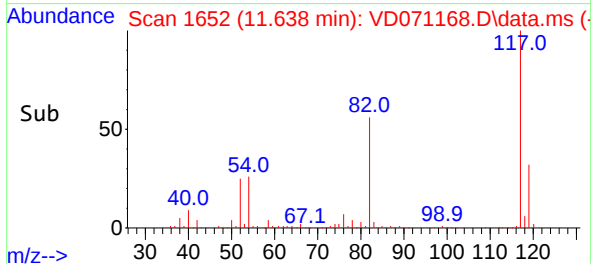
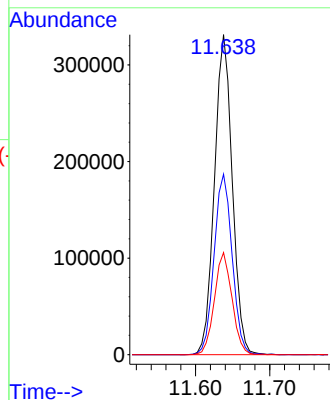
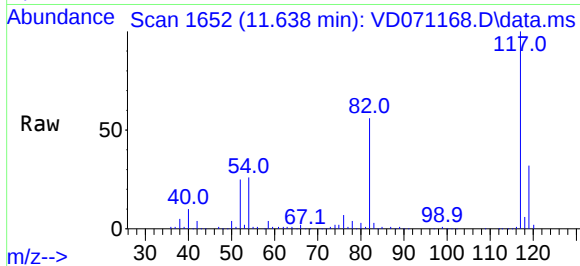




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

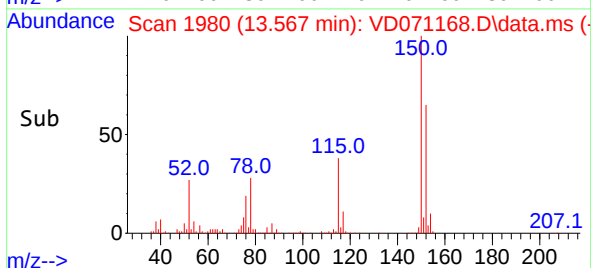
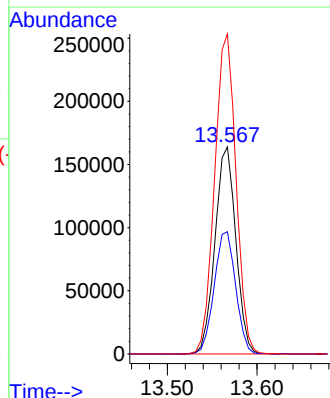
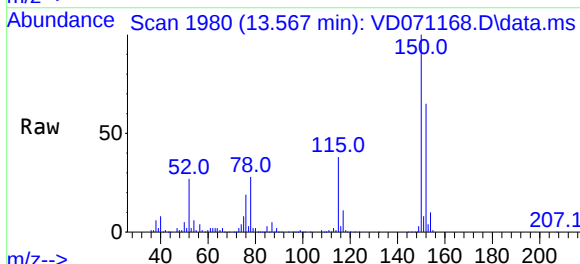
Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

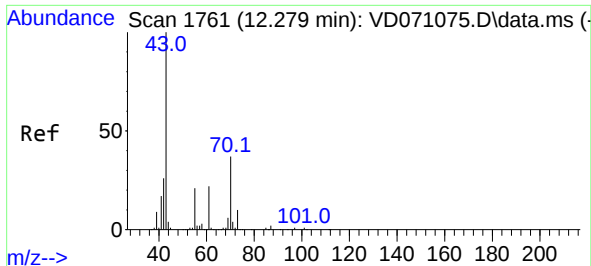
Tgt Ion:117 Resp: 553568
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Tgt Ion:152 Resp: 264887
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 158.2 0.0 349.2

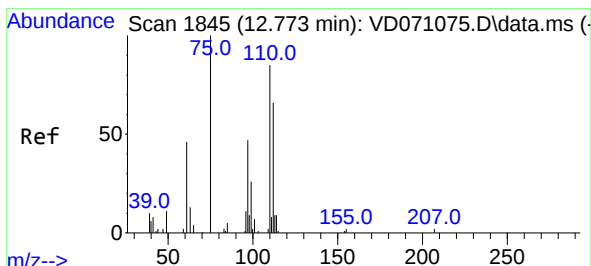
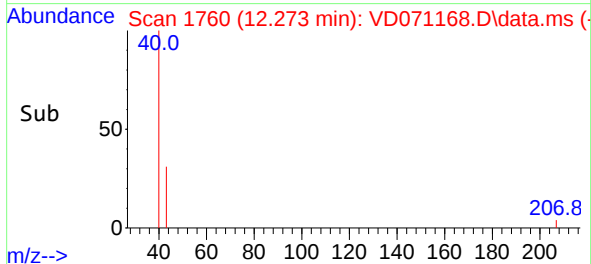
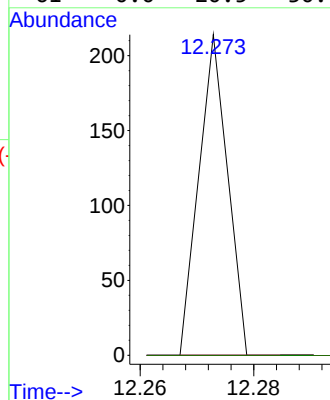
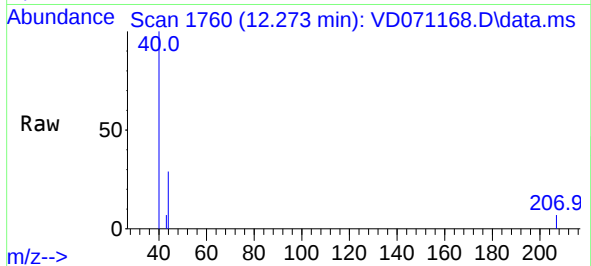




#74
N-amy1 acetate
Concen: 5.714 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

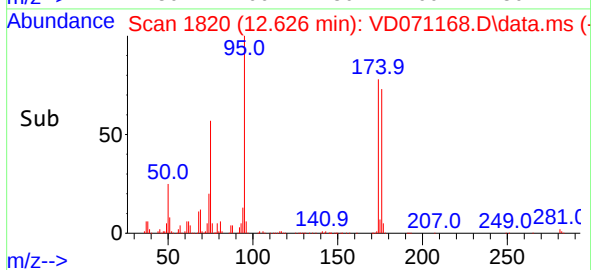
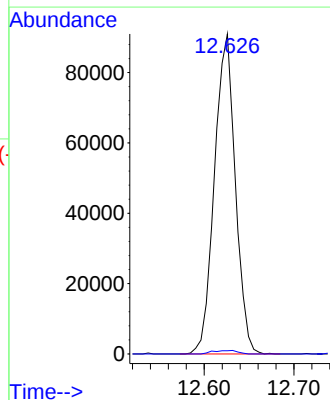
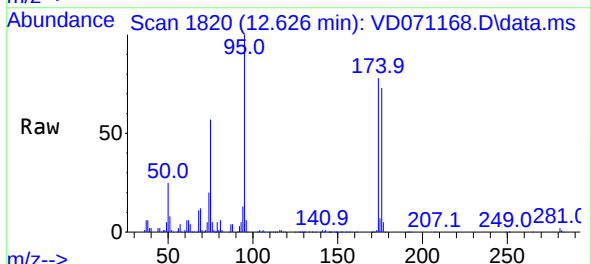
Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP

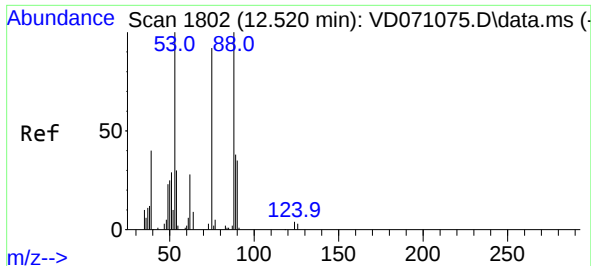
Tgt Ion: 43	Resp:	76
Ion	Ratio	Lower Upper
43	100	
70	0.0	36.6 55.0#
55	0.0	22.5 33.7#
61	0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.179 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

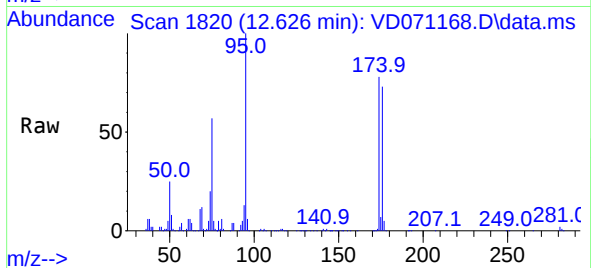
Tgt Ion: 75	Resp:	146827
Ion	Ratio	Lower Upper
75	100	
77	1.3	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 126.136 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071168.D
Acq: 06 Dec 2021 14:18

Instrument :
MSVOA_D
ClientSampleId :
TP-7-COMP



Tgt Ion: 75 Resp: 146827
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

