

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071270.D
 Acq On : 11 Dec 2021 15:23
 Operator : VA/SY
 Sample : M5018-69
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

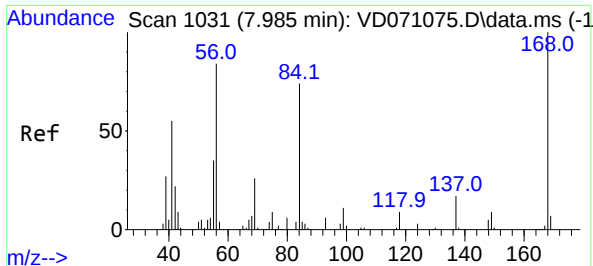
Quant Time: Dec 12 17:53:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	296455	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	502713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	551486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	149366	42.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.880%
35) Dibromofluoromethane	7.914	113	155518	48.581	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.338	98	653221	53.620	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.240%
62) 4-Bromofluorobenzene	12.626	95	266361	63.076	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	126.160%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	70	4.579	ug/l #	40
11) Tert butyl alcohol	5.173	59	8562	Below Cal	#	71
16) Acetone	4.156	43	2688	33.348	ug/l	88
20) Methylene Chloride	4.962	84	31488	5.231	ug/l	91
23) Vinyl Acetate	6.320	43	146	27.241	ug/l #	72
25) 2-Butanone	7.191	43	1133	29.301	ug/l #	45
31) Cyclohexane	7.979	56	8554	1.446	ug/l #	36
36) 1,1-Dichloropropene	7.973	75	27051	5.757	ug/l #	49
38) Carbon Tetrachloride	7.973	117	31790	6.864	ug/l #	16
41) Methacrylonitrile	7.561	41	131	Below Cal	#	1
43) Isopropyl Acetate	8.485	43	127	5.248	ug/l #	47
49) 1,4-Dioxane	9.632	88	64	3.807	ug/l #	23
51) 4-Methyl-2-Pentanone	10.220	43	1114	31.079	ug/l #	76
56) Ethyl methacrylate	10.379	69	64	5.987	ug/l #	1
59) 2-Hexanone	10.991	43	320	34.734	ug/l #	22
71) Bromoform	12.626	173	3396	1.755	ug/l #	1
74) N-amyl acetate	12.285	43	58	5.711	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	152368	59.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	152368	129.711	ug/l #	18

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
Data File : 82D112921S.D
Acq On : Dec 2021 15:23
Operator : VA/SY
Sample : M5018-69
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS : Sample Multiplier: 1
Quant Date : Dec 12 17:53:15 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

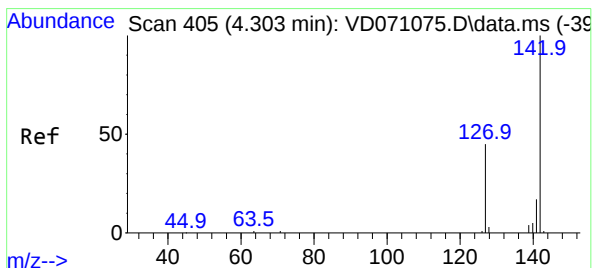
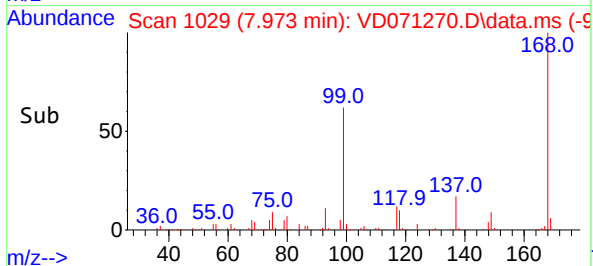
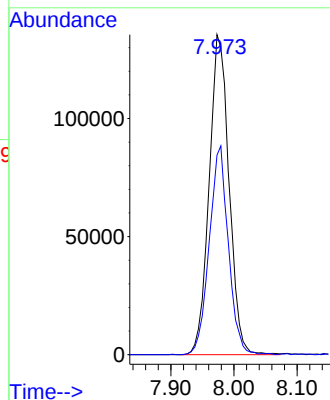
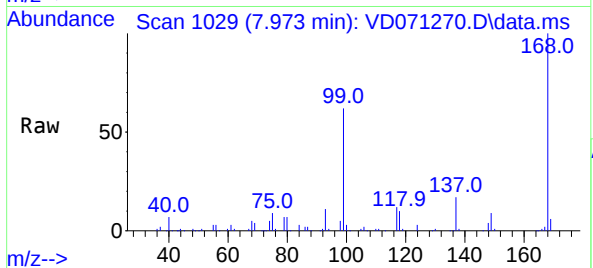
Instrument :
MSVOA_D
ClientSampleId :



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

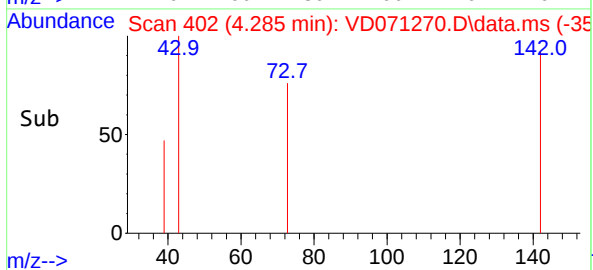
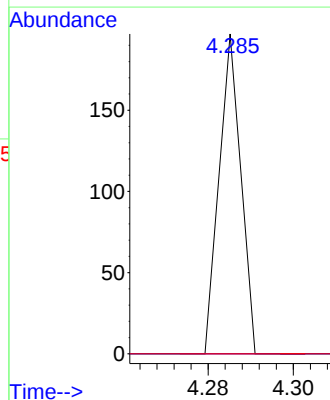
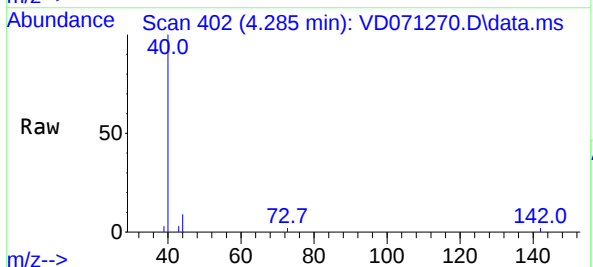
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 296455
Ion Ratio Lower Upper
168 100
99 62.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.579 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Tgt Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

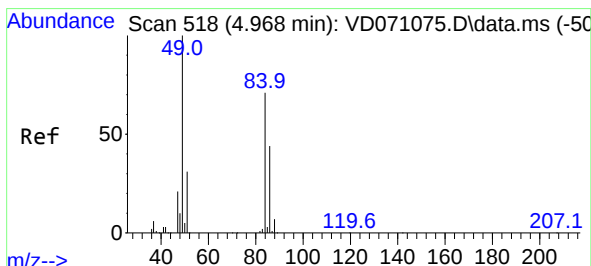
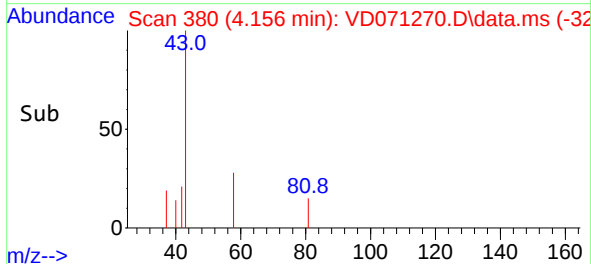
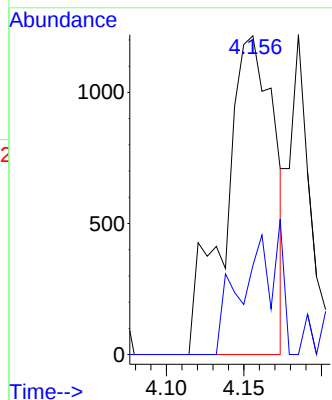
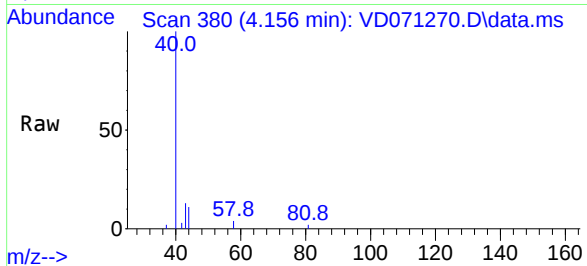




#16
Acetone
Concen: 33.348 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

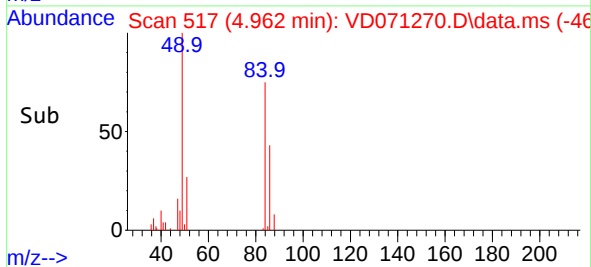
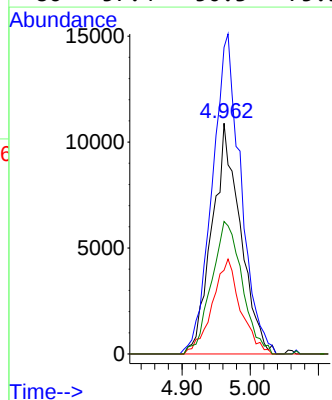
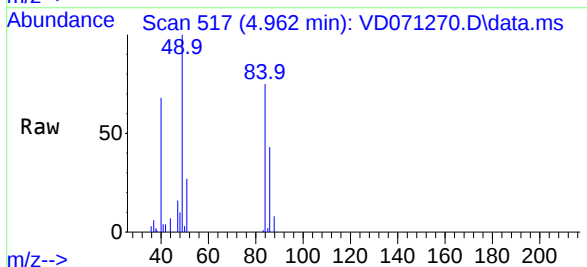
Instrument :
MSVOA_D
ClientSampleId :

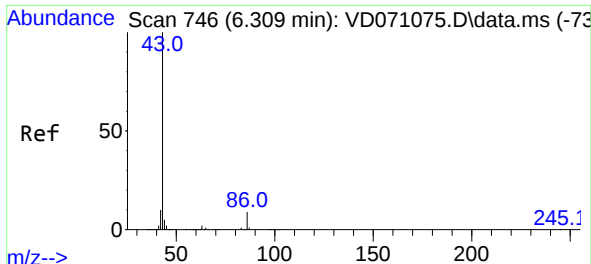
Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
58 27.9 27.8 41.8



#20
Methylene Chloride
Concen: 5.231 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Tgt Ion: 84 Resp: 31488
Ion Ratio Lower Upper
84 100
49 132.9 95.8 143.6
51 36.3 30.9 46.3
86 57.4 50.3 75.5

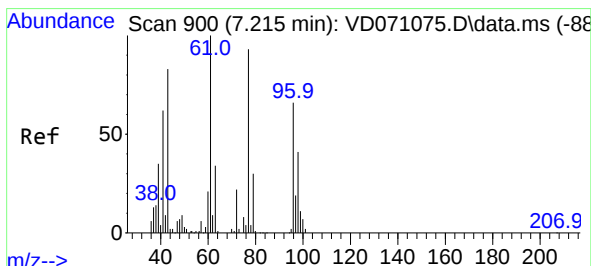
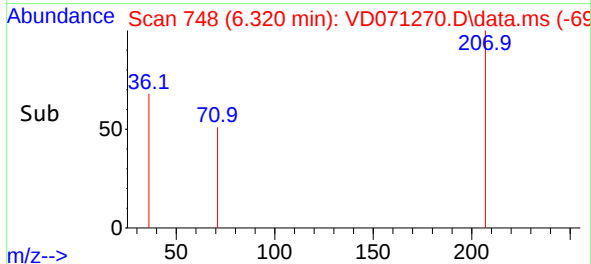
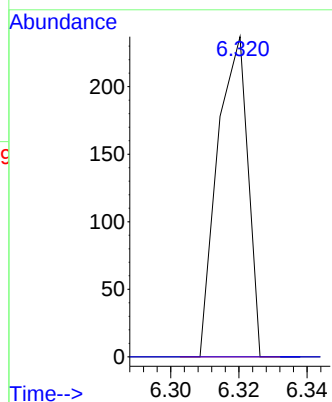
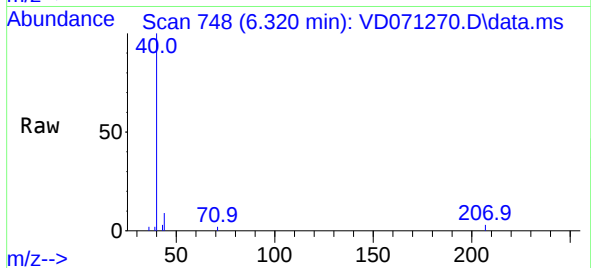




#23
 Vinyl Acetate
 Concen: 27.241 ug/l
 RT: 6.320 min Scan# 746
 Delta R.T. 0.011 min
 Lab File: VD071270.D
 Acq: 11 Dec 2021 15:23

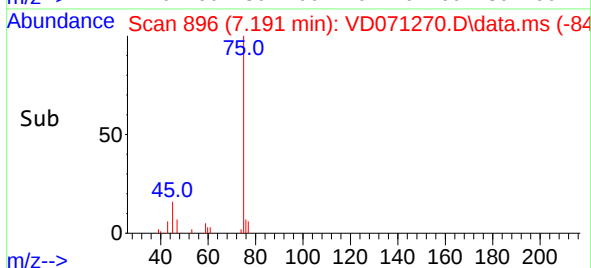
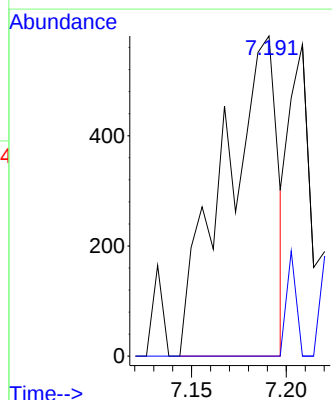
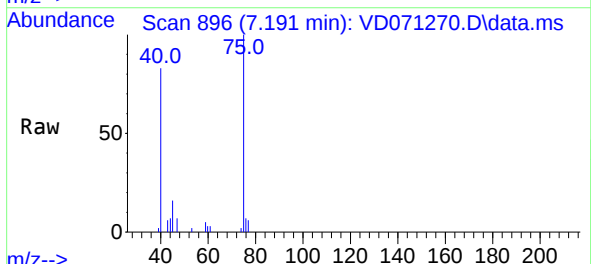
Instrument :
 MSVOA_D
 ClientSampleId :

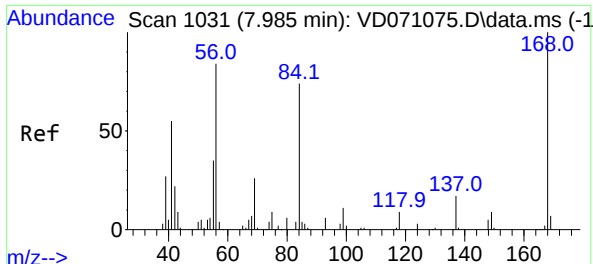
Tgt Ion: 43 Resp: 146
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.301 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD071270.D
 Acq: 11 Dec 2021 15:23

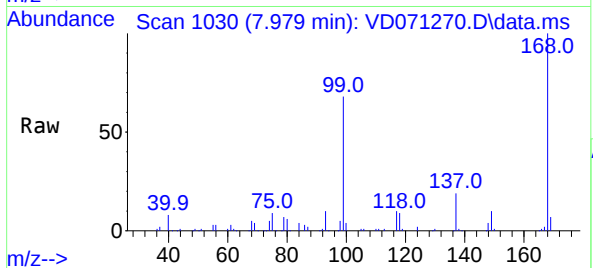
Tgt Ion: 43 Resp: 1133
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



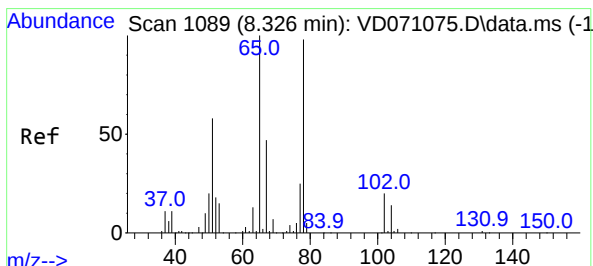
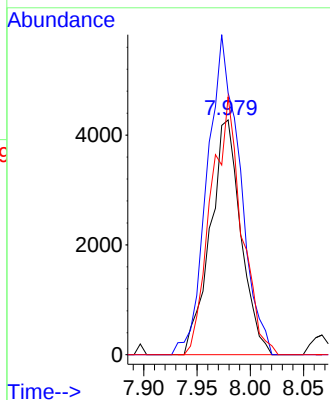
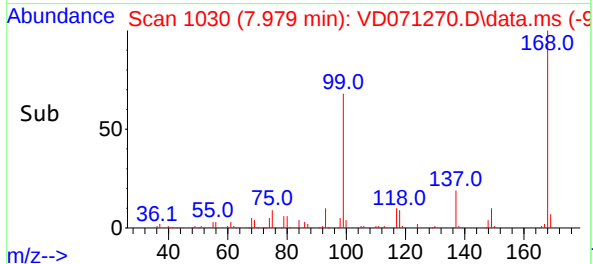


#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

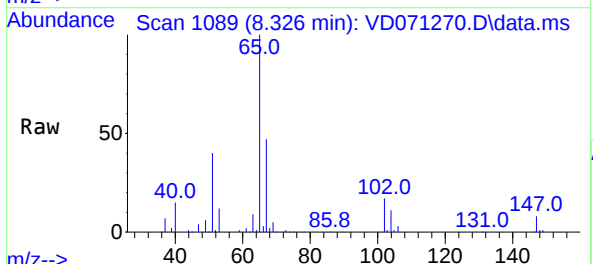
Instrument :
MSVOA_D
ClientSampleId :



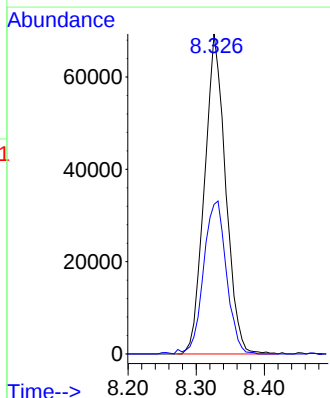
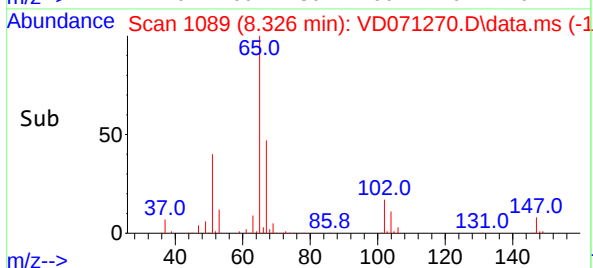
Tgt Ion: 56 Resp: 8554
Ion Ratio Lower Upper
56 100
69 111.6 25.9 38.9#
84 109.8 64.3 96.5#

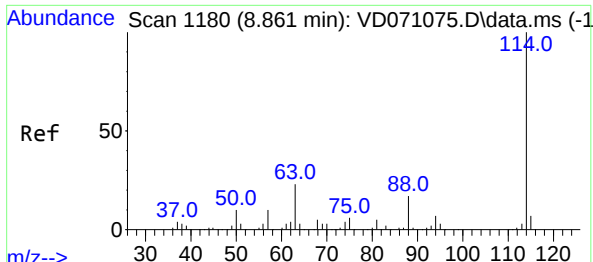


#33
1,2-Dichloroethane-d4
Concen: 42.939 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23



Tgt Ion: 65 Resp: 149366
Ion Ratio Lower Upper
65 100
67 51.9 0.0 112.2

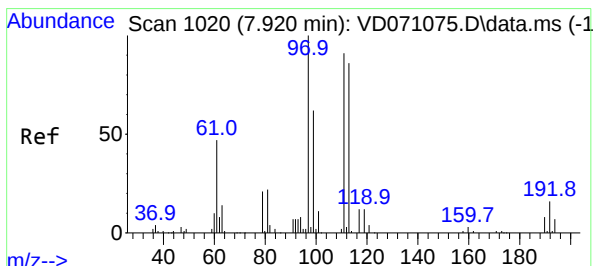
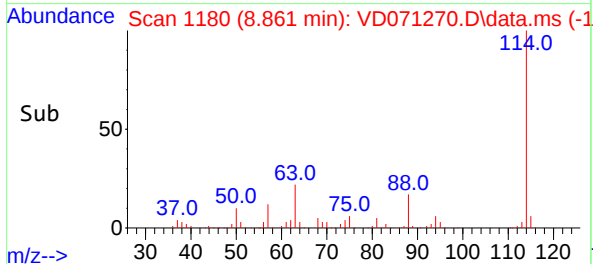
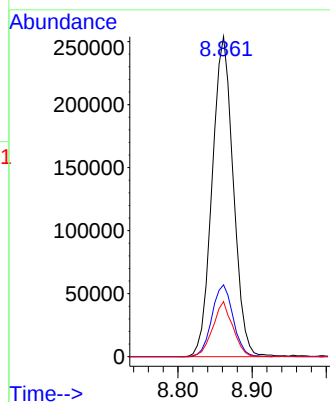
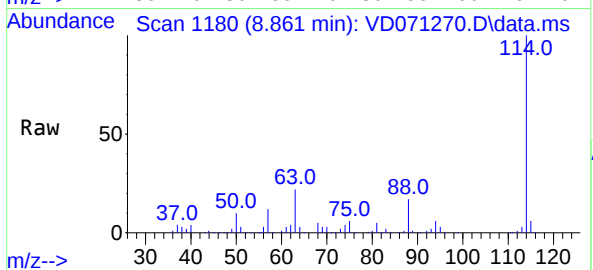




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

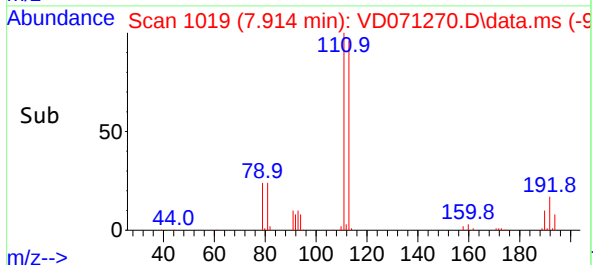
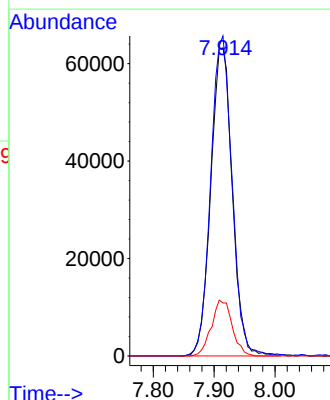
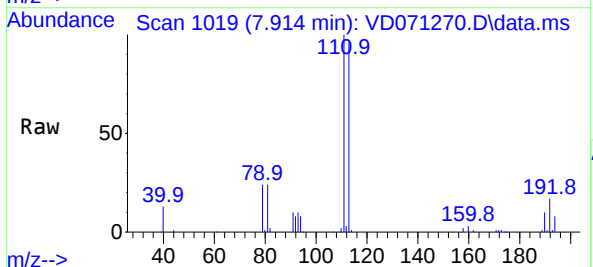
Instrument :
MSVOA_D
ClientSampleId :

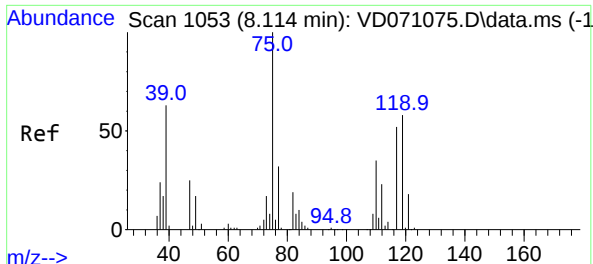
Tgt Ion:114 Resp: 502713
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.581 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Tgt Ion:113 Resp: 155518
Ion Ratio Lower Upper
113 100
111 102.6 82.0 123.0
192 17.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.757 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071270.D

Acq: 11 Dec 2021 15:23

Instrument :

MSVOA_D

ClientSampleId :

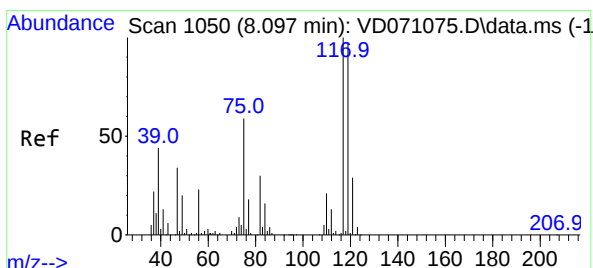
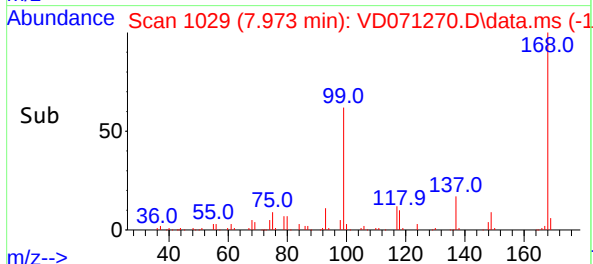
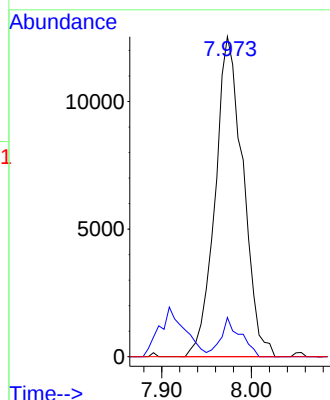
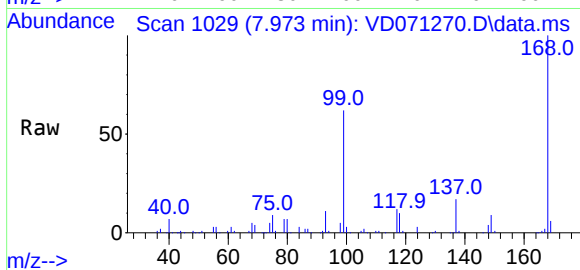
Tgt Ion: 75 Resp: 27051

Ion Ratio Lower Upper

75 100

110 8.6 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.864 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD071270.D

Acq: 11 Dec 2021 15:23

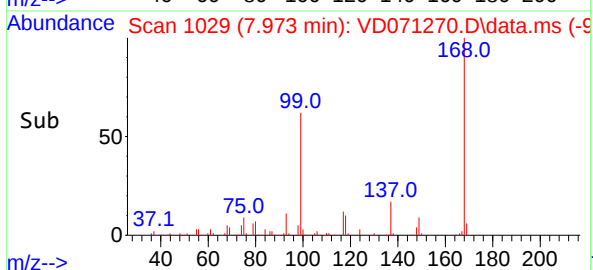
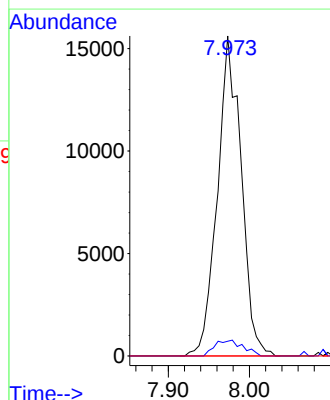
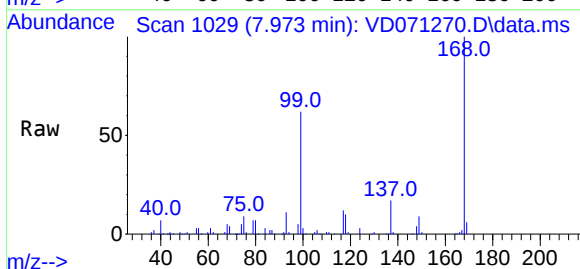
Tgt Ion: 117 Resp: 31790

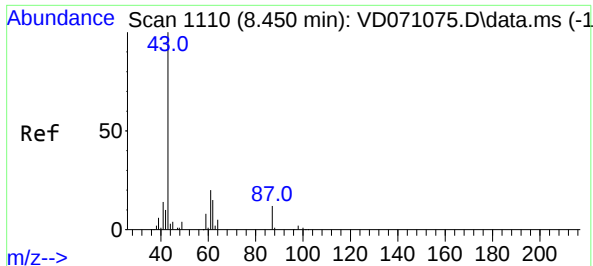
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.248 ug/l

RT: 8.485 min Scan# 1110

Delta R.T. 0.035 min

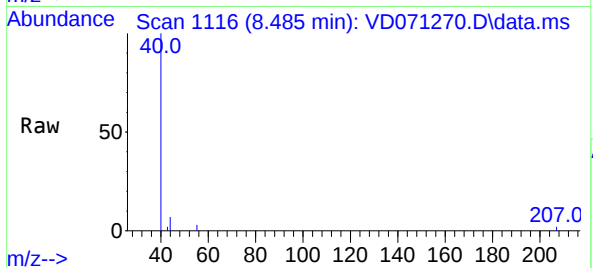
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Acq: 11 Dec 2021 15:23

Instrument :

MSVOA_D

ClientSampleId :



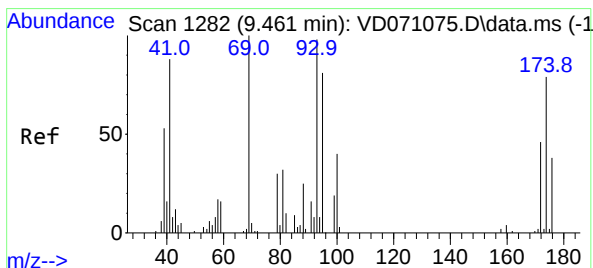
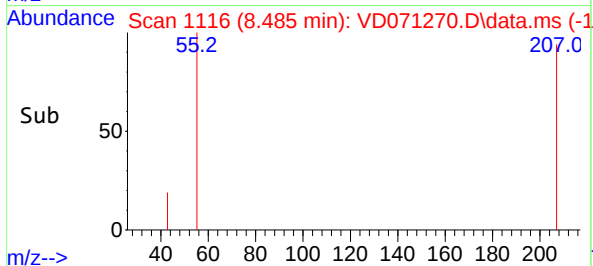
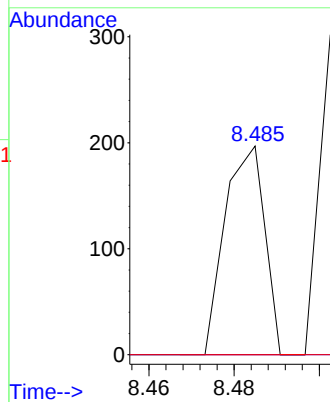
Tgt Ion: 43 Resp: 127

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: 3.807 ug/l

RT: 9.632 min Scan# 1311

Delta R.T. 0.171 min

Lab File: VD071270.D

Acq: 11 Dec 2021 15:23

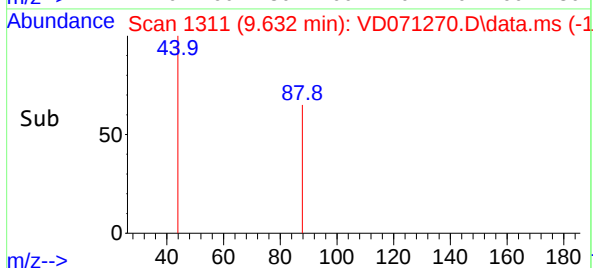
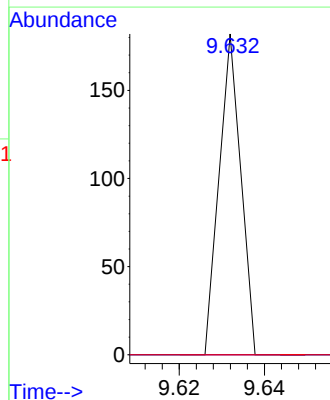
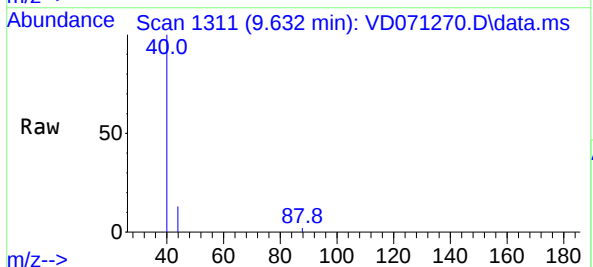
Tgt Ion: 88 Resp: 64

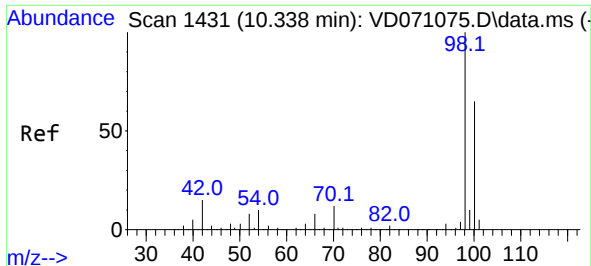
Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 0.0 56.3 84.5#

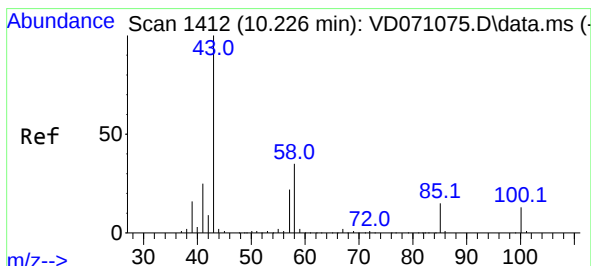
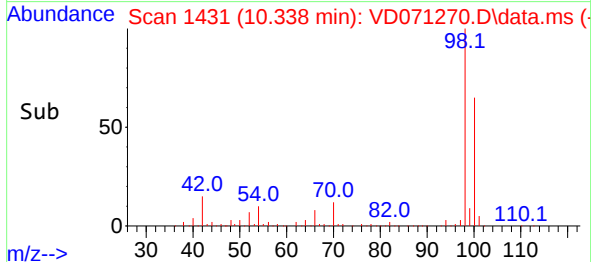
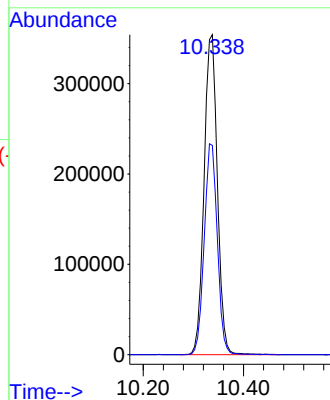
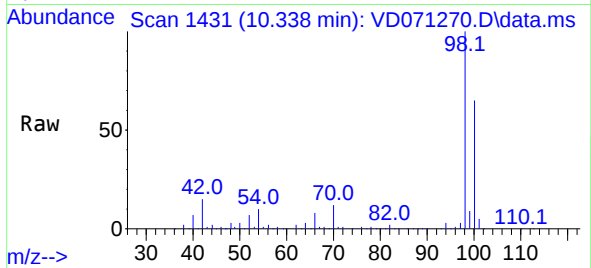




#50
Toluene-d8
Concen: 53.620 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

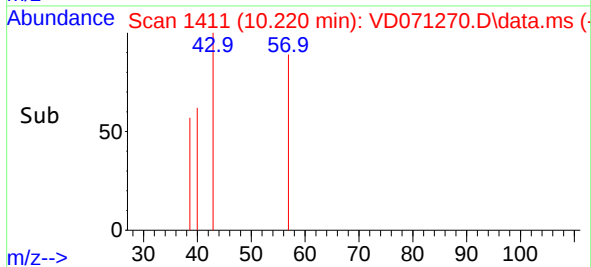
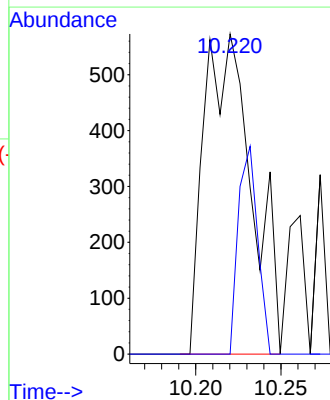
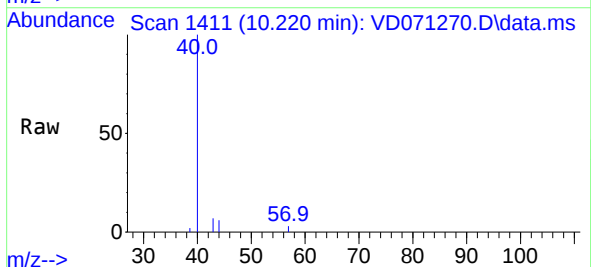
Instrument :
MSVOA_D
ClientSampleId :

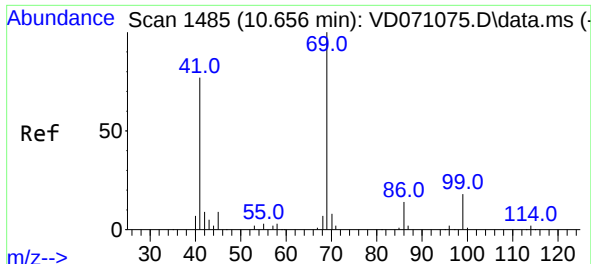
Tgt Ion: 98 Resp: 653221
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.079 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

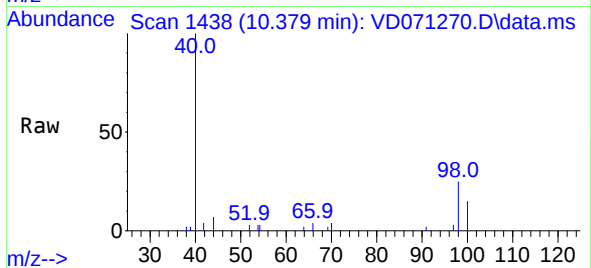
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
58 26.4 33.1 49.7#



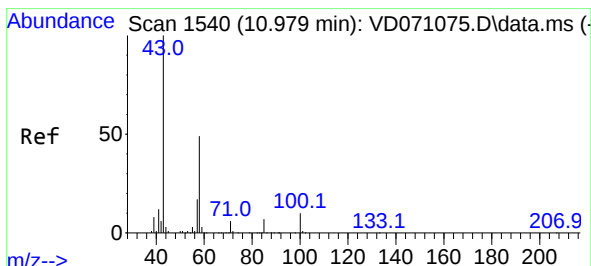
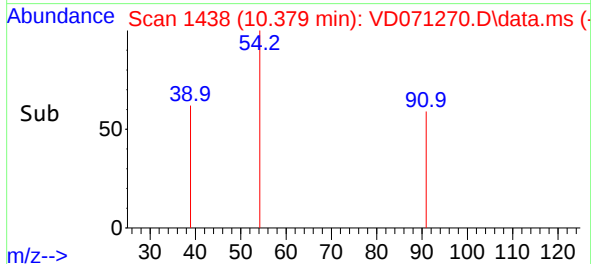
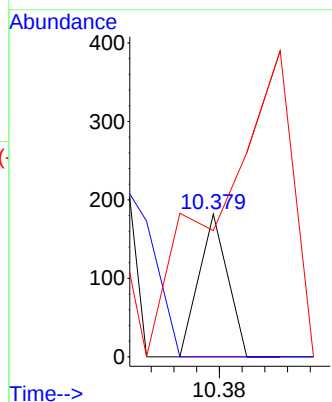


#56
Ethyl methacrylate
Concen: 5.987 ug/l
RT: 10.379 min Scan# 1438
Delta R.T. -0.277 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Instrument :
MSVOA_D
ClientSampleId :

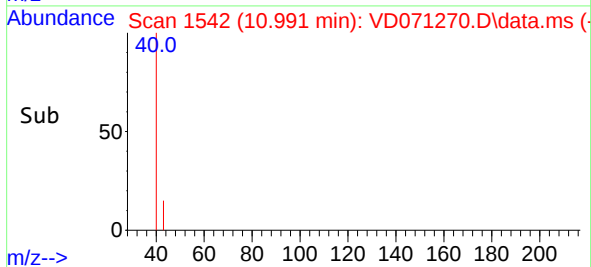
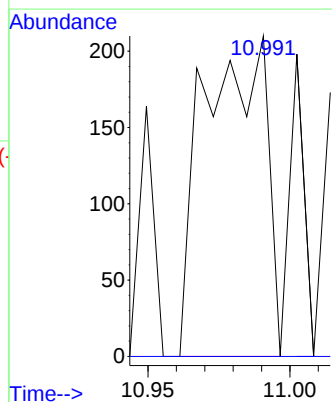
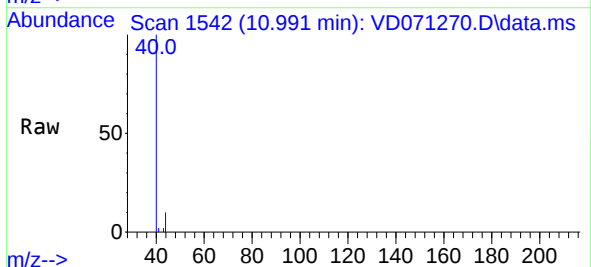


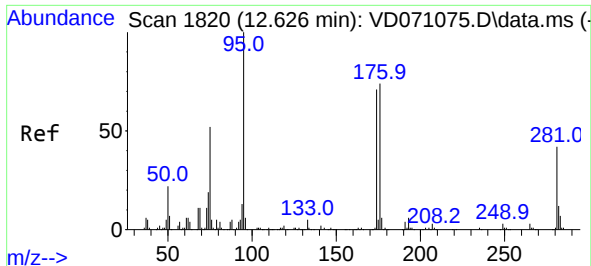
Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 548.4 19.8 29.8#



#59
2-Hexanone
Concen: 34.734 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.012 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

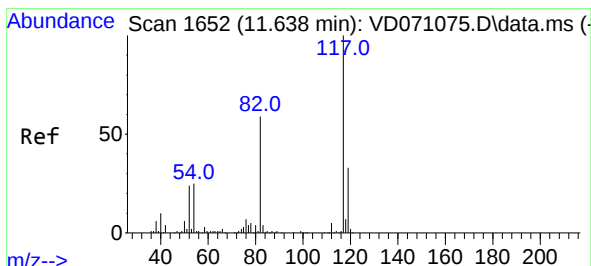
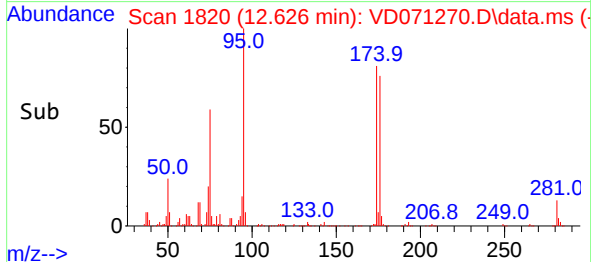
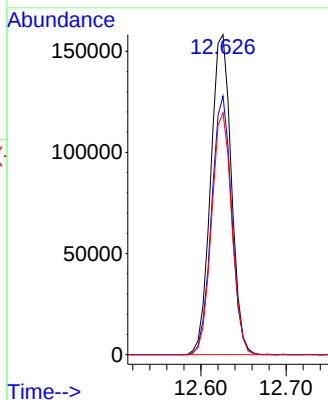
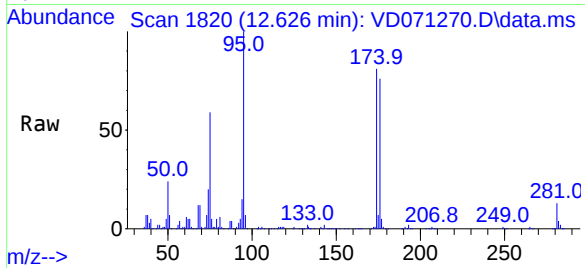




#62
4-Bromofluorobenzene
Concen: 63.076 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

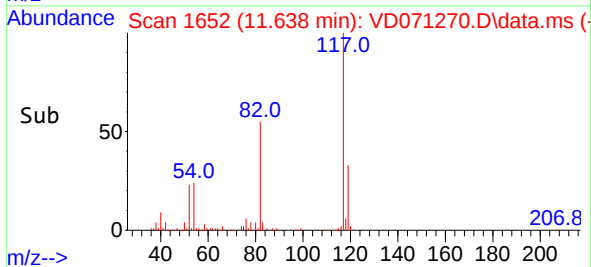
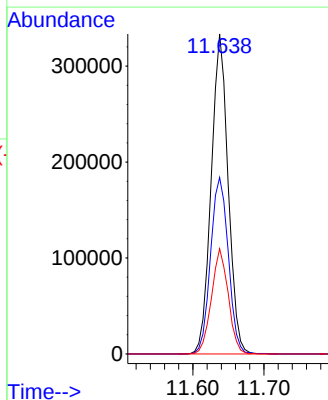
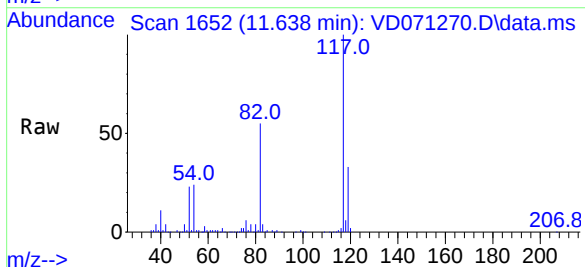
Instrument :
MSVOA_D
ClientSampleId :

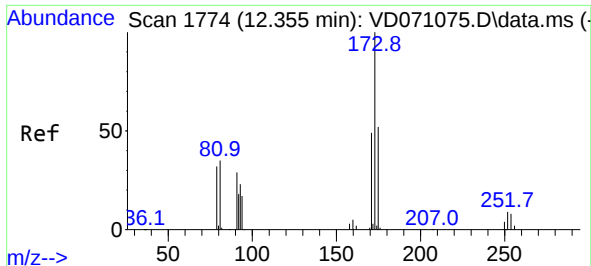
Tgt Ion: 95 Resp: 266361
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.4
176 74.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Tgt Ion:117 Resp: 551486
Ion Ratio Lower Upper
117 100
82 55.2 44.7 67.1
119 32.9 26.2 39.4

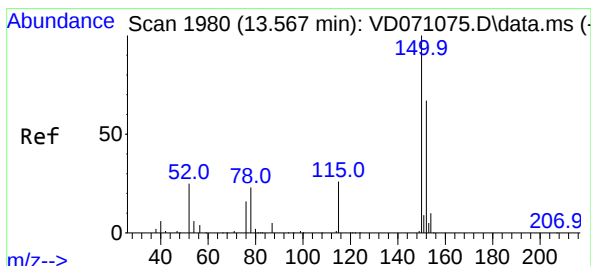
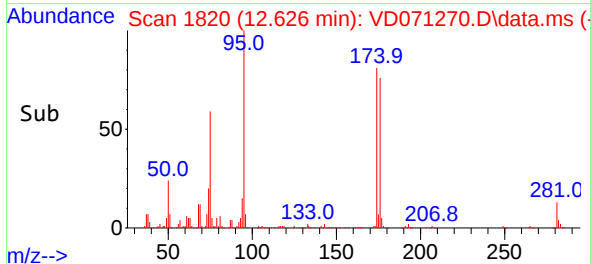
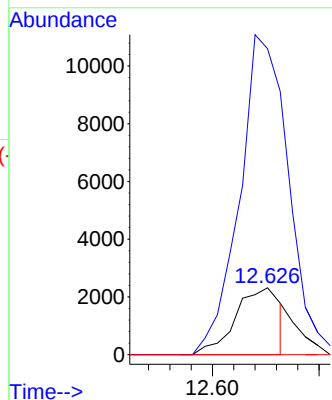
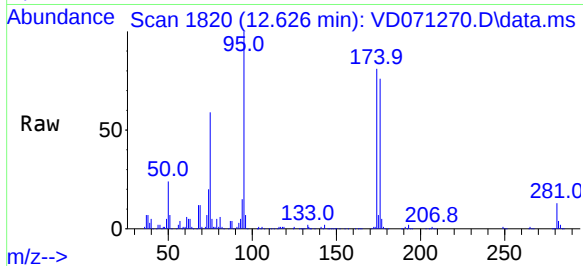




#71
Bromoform
Concen: 1.755 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

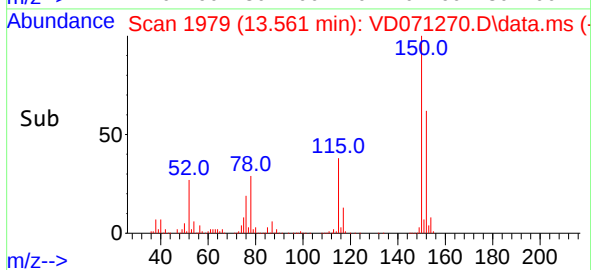
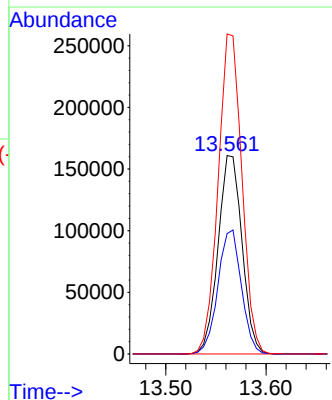
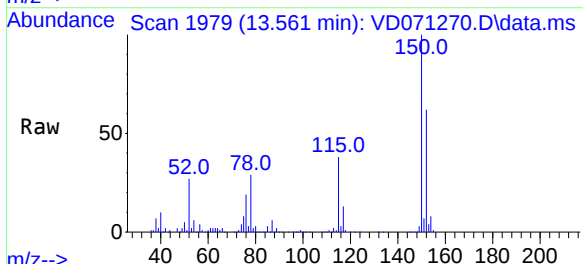
Instrument :
MSVOA_D
ClientSampleId :

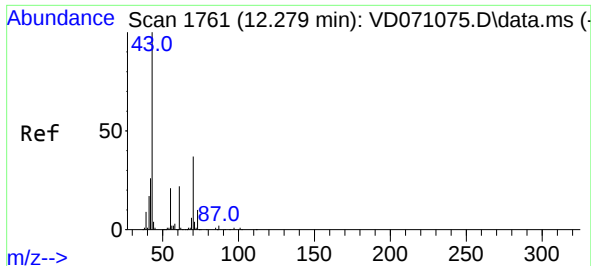
Tgt Ion:173 Resp: 3396
Ion Ratio Lower Upper
173 100
175 438.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

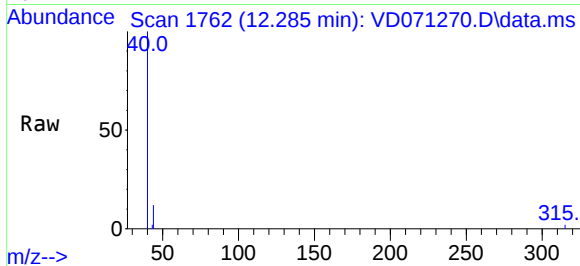
Tgt Ion:152 Resp: 266955
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 159.6 0.0 349.2



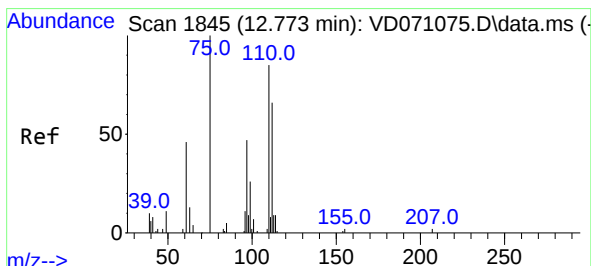
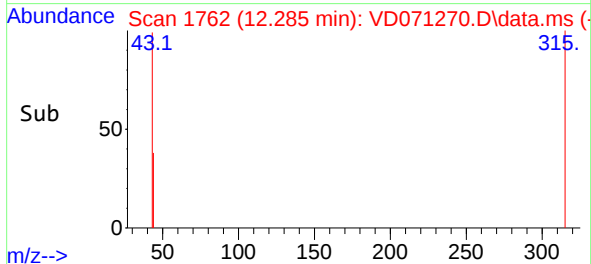
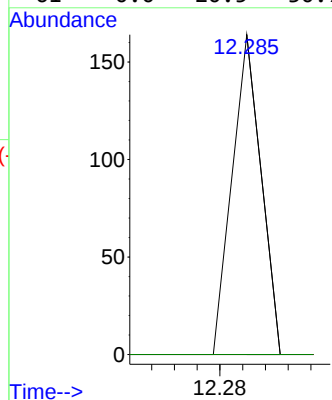


#74
N-amy1 acetate
Concen: 5.711 ug/l
RT: 12.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Instrument :
MSVOA_D
ClientSampleId :

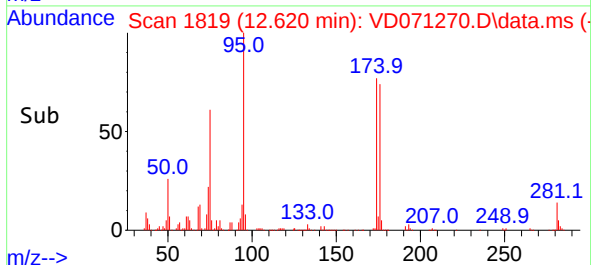
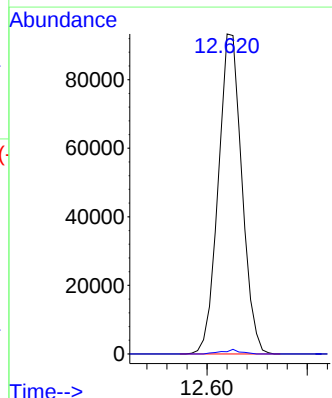
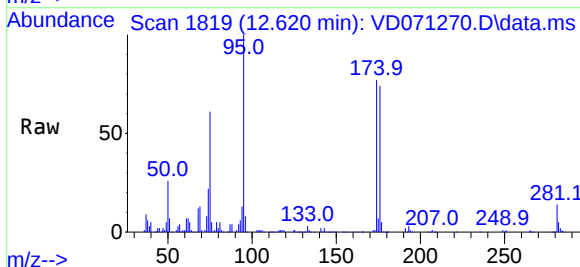


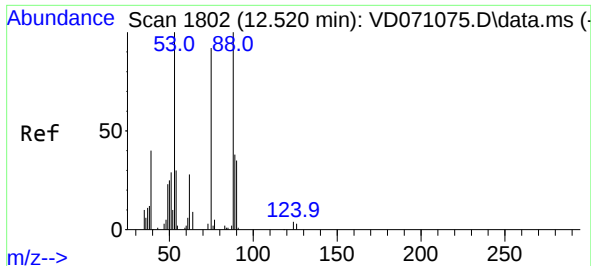
Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 59.906 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

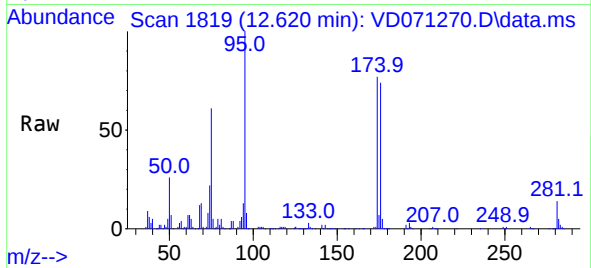
Tgt Ion:	75	Resp:	152368
Ion	Ratio	Lower	Upper
75	100		
77	1.1	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 129.711 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071270.D
Acq: 11 Dec 2021 15:23

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 152368
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.1 34.5 51.7#

