

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071273.D
 Acq On : 11 Dec 2021 16:48
 Operator : VA/SY
 Sample : M5018-39RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:54:39 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

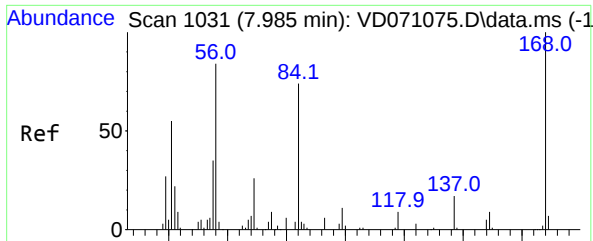
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	287060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	491566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	146979	43.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.280%
35) Dibromofluoromethane	7.914	113	151565	48.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.840%
50) Toluene-d8	10.338	98	627856	52.707	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	105.420%
62) 4-Bromofluorobenzene	12.626	95	259348	62.808	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	125.620%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	54	4.575	ug/l #	40
11) Tert butyl alcohol	5.185	59	6327	Below Cal	#	73
16) Acetone	4.150	43	4236	34.949	ug/l	91
20) Methylene Chloride	4.956	84	26459	3.937	ug/l	98
23) Vinyl Acetate	6.255	43	71	27.230	ug/l #	72
25) 2-Butanone	7.232	43	407	28.708	ug/l #	45
31) Cyclohexane	7.979	56	8623	1.505	ug/l #	12
36) 1,1-Dichloropropene	7.979	75	25713	5.597	ug/l #	41
38) Carbon Tetrachloride	7.973	117	30289	6.688	ug/l #	17
41) Methacrylonitrile	7.585	41	120	Below Cal	#	32
43) Isopropyl Acetate	8.526	43	233	5.271	ug/l #	47
49) 1,4-Dioxane	9.467	88	68	4.137	ug/l #	23
51) 4-Methyl-2-Pentanone	10.220	43	866	30.991	ug/l #	34
59) 2-Hexanone	10.967	43	71	34.610	ug/l #	22
74) N-amyl acetate	12.296	43	63	5.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	144959	58.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	144959	125.767	ug/l #	18

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

Quant Time: Dec 12 17:54:39 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

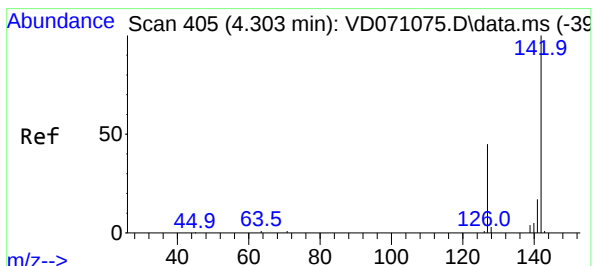
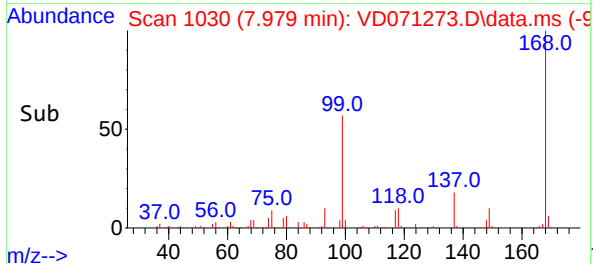
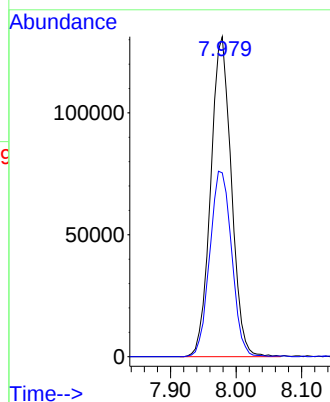
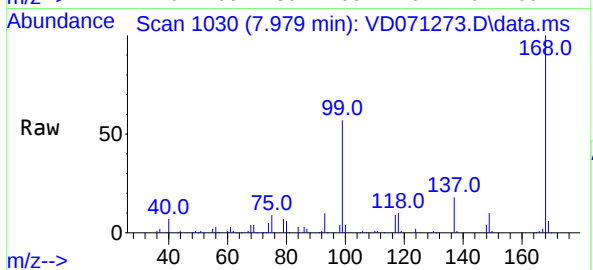




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

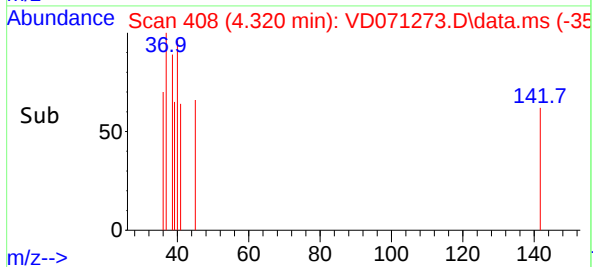
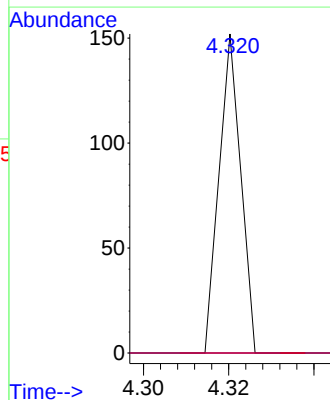
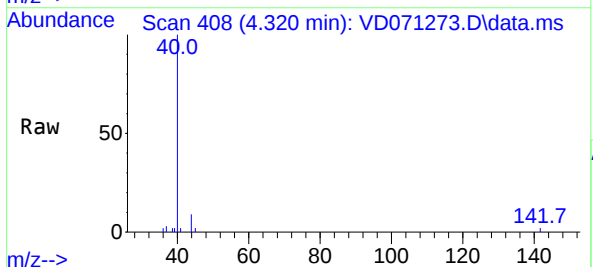
Instrument :
MSVOA_D
ClientSampleId :

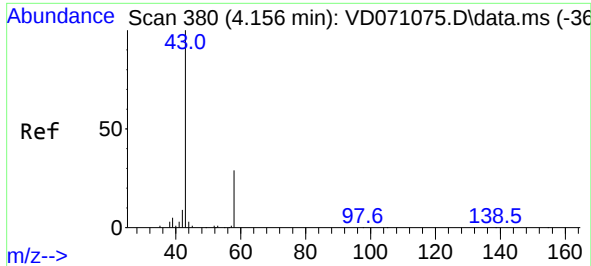
Tgt Ion:168 Resp: 287060
Ion Ratio Lower Upper
168 100
99 57.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.575 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#16

Acetone

Concen: 34.949 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD071273.D

Acq: 11 Dec 2021 16:48

Instrument :

MSVOA_D

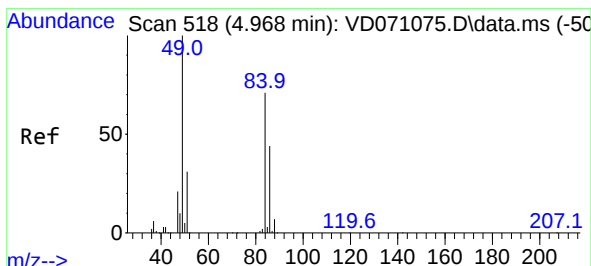
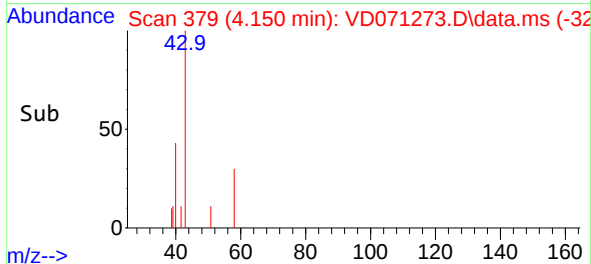
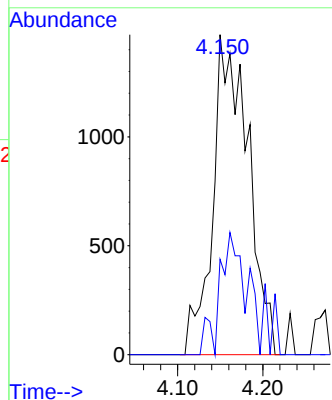
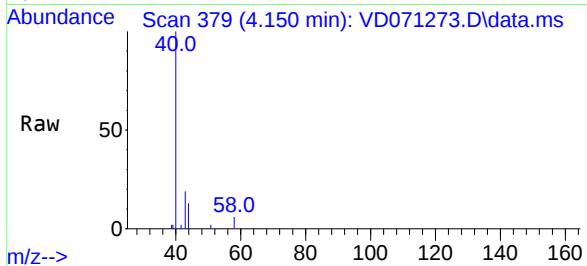
ClientSampleId :

Tgt Ion: 43 Resp: 4236

Ion Ratio Lower Upper

43 100

58 29.8 27.8 41.8



#20

Methylene Chloride

Concen: 3.937 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.012 min

Lab File: VD071273.D

Acq: 11 Dec 2021 16:48

Tgt Ion: 84 Resp: 26459

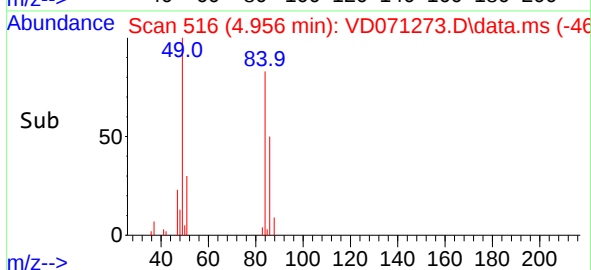
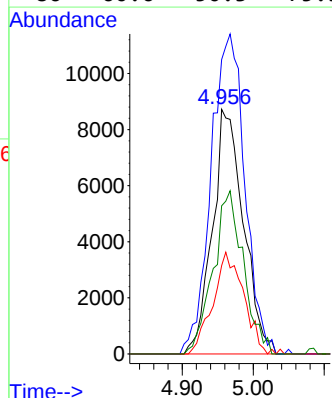
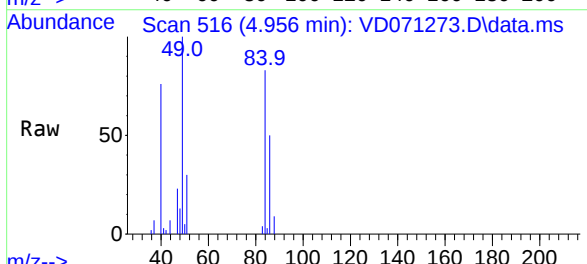
Ion Ratio Lower Upper

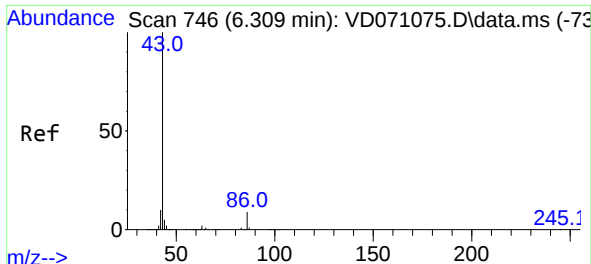
84 100

49 120.3 95.8 143.6

51 36.1 30.9 46.3

86 60.6 50.3 75.5

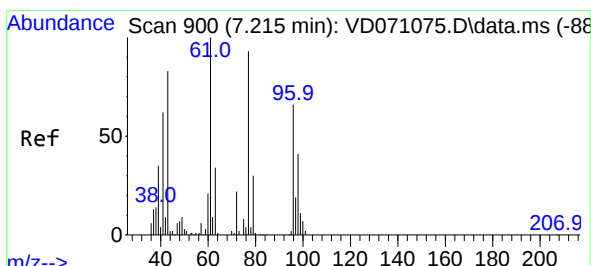
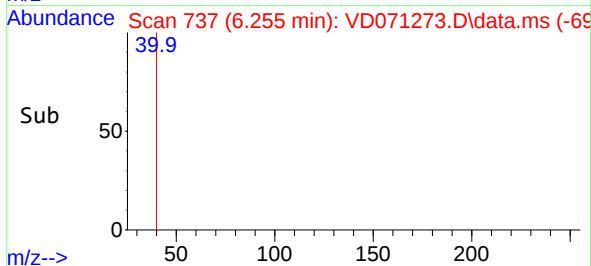
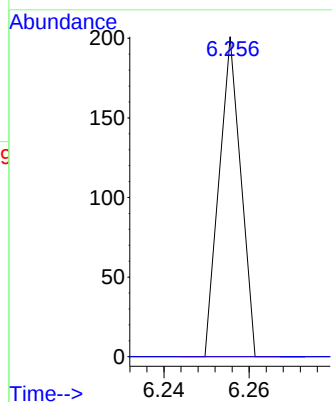
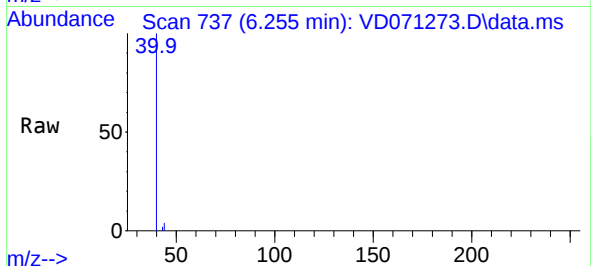




#23
 Vinyl Acetate
 Concen: 27.230 ug/l
 RT: 6.255 min Scan# 71
 Delta R.T. -0.054 min
 Lab File: VD071273.D
 Acq: 11 Dec 2021 16:48

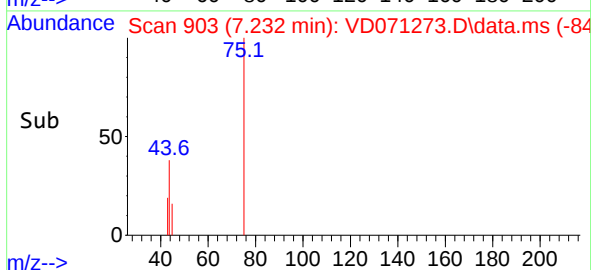
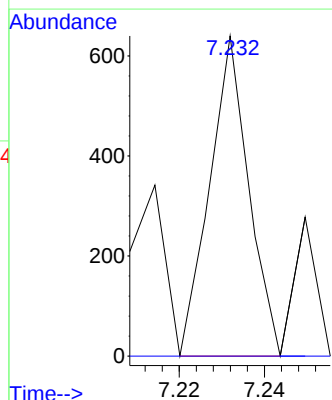
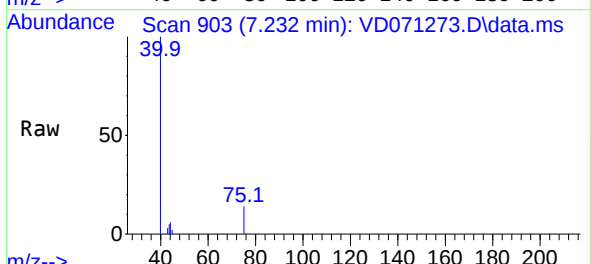
Instrument :
 MSVOA_D
 ClientSampleId :

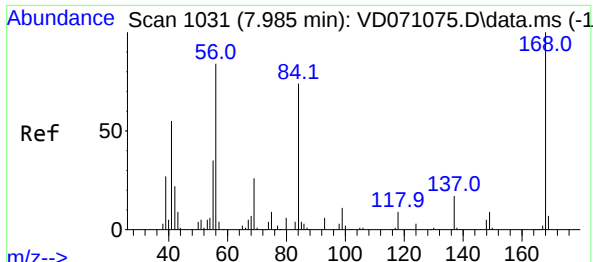
Tgt Ion: 43 Resp: 71
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.708 ug/l
 RT: 7.232 min Scan# 903
 Delta R.T. 0.017 min
 Lab File: VD071273.D
 Acq: 11 Dec 2021 16:48

Tgt Ion: 43 Resp: 407
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.505 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071273.D

Acq: 11 Dec 2021 16:48

Instrument :

MSVOA_D

ClientSampleId :

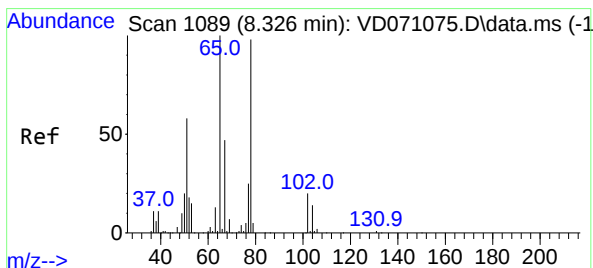
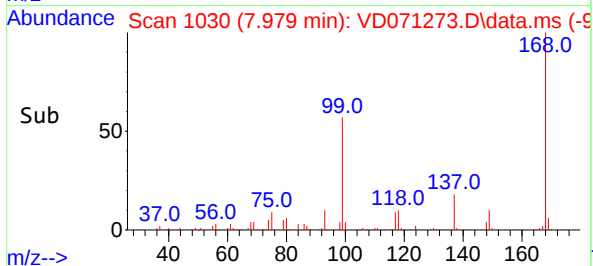
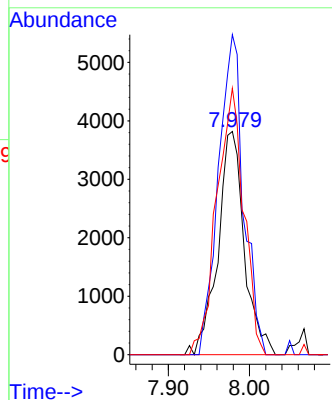
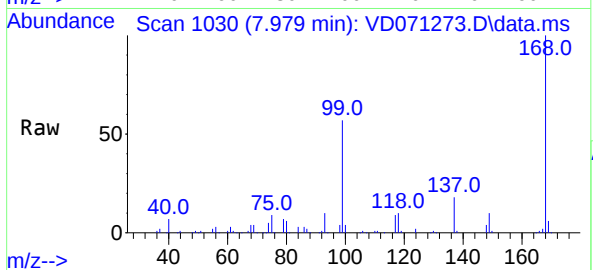
Tgt Ion: 56 Resp: 8623

Ion Ratio Lower Upper

56 100

69 143.3 25.9 38.9#

84 119.3 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 43.636 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071273.D

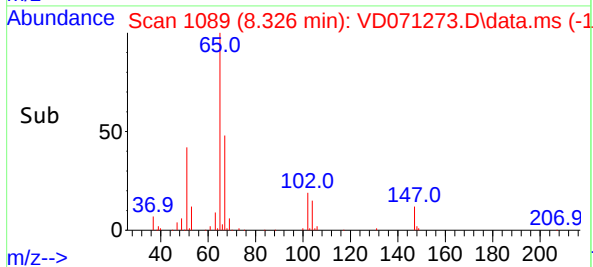
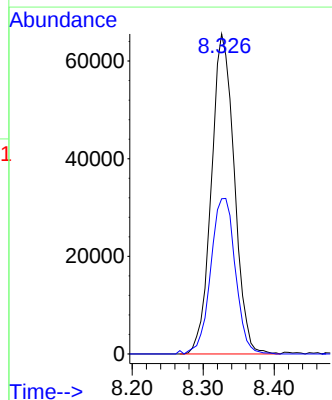
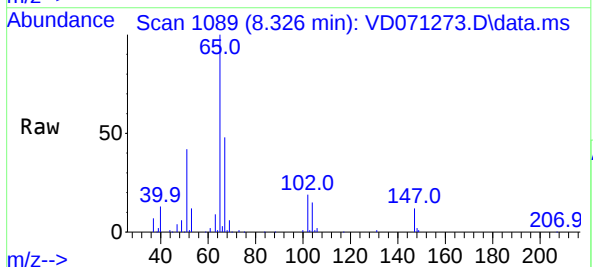
Acq: 11 Dec 2021 16:48

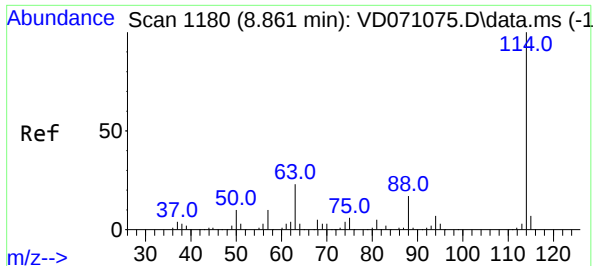
Tgt Ion: 65 Resp: 146979

Ion Ratio Lower Upper

65 100

67 52.3 0.0 112.2

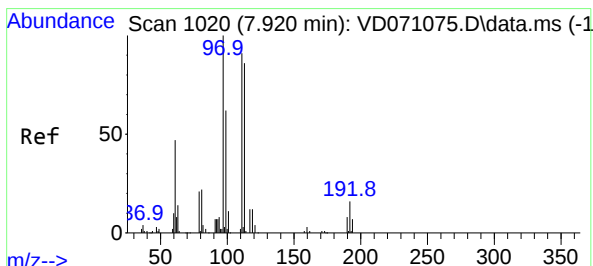
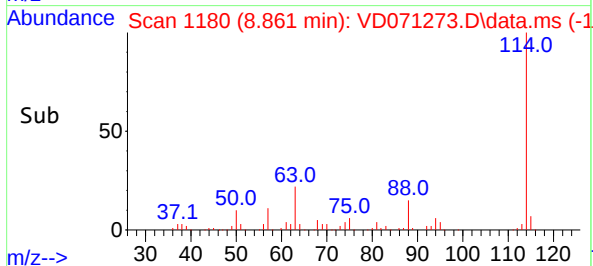
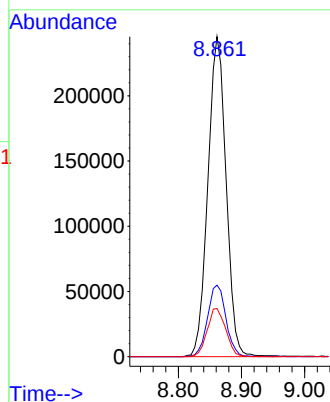
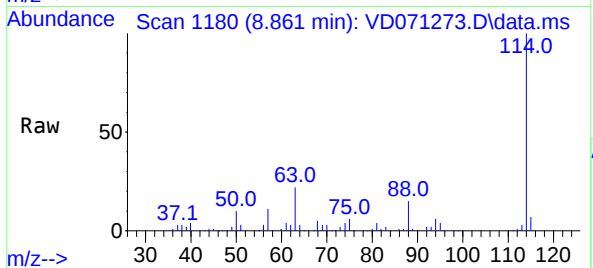




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

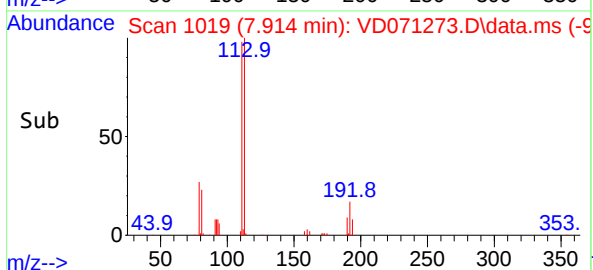
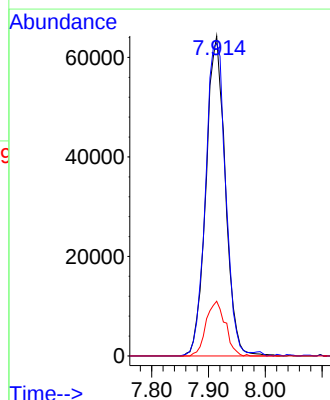
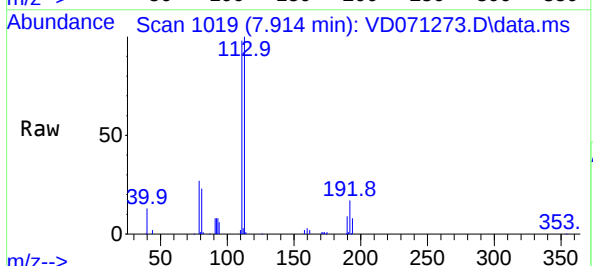
Instrument :
MSVOA_D
ClientSampleId :

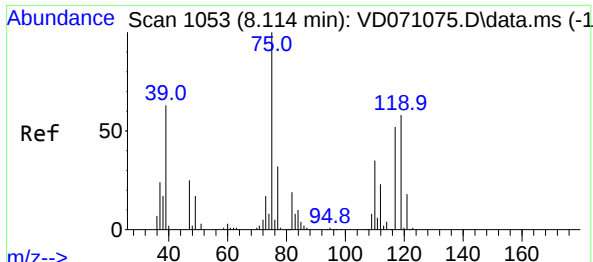
Tgt Ion:114 Resp: 491566
Ion Ratio Lower Upper
114 100
63 22.4 0.0 41.8
88 15.0 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.420 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

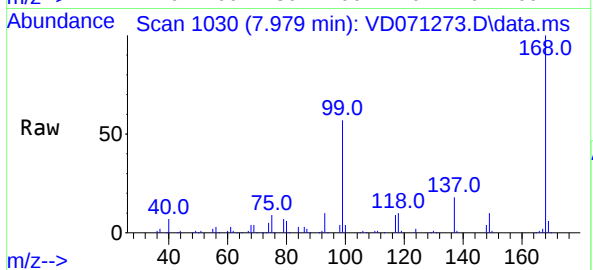
Tgt Ion:113 Resp: 151565
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 17.1 15.2 22.8



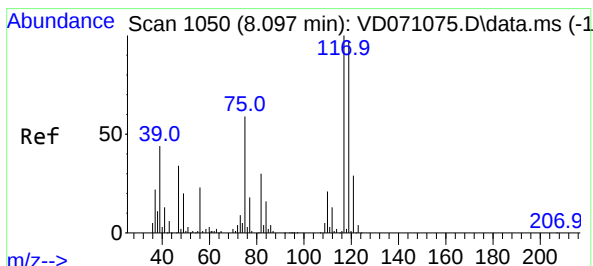
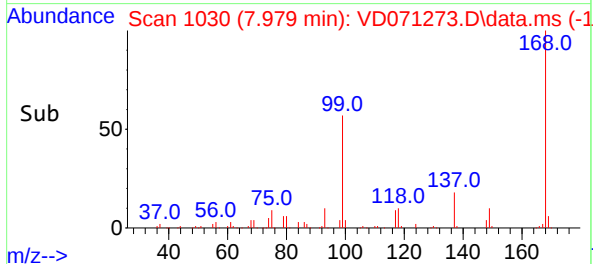
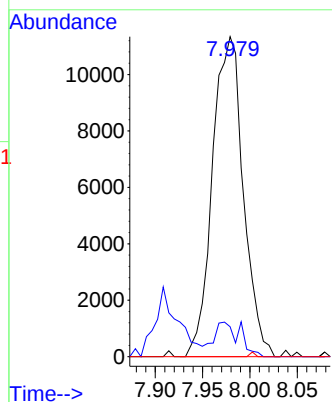


#36
1,1-Dichloropropene
Concen: 5.597 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :

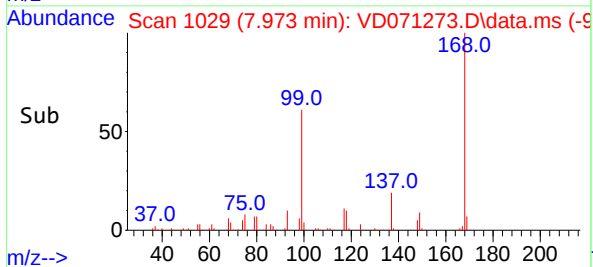
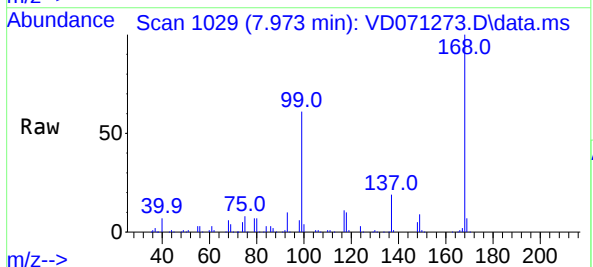
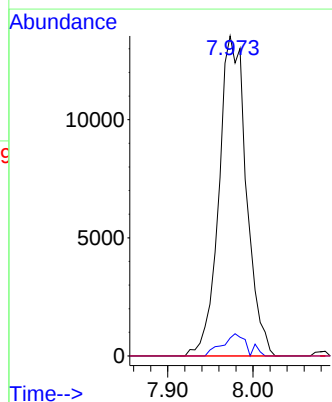


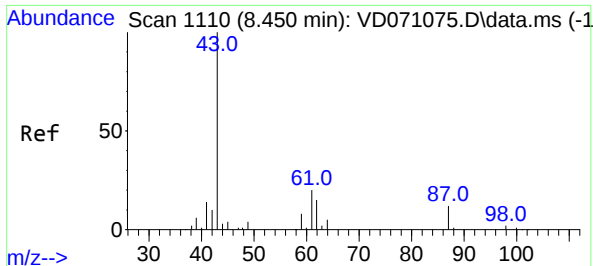
Tgt Ion: 75 Resp: 25713
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion: 117 Resp: 30289
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 23.6 35.4#

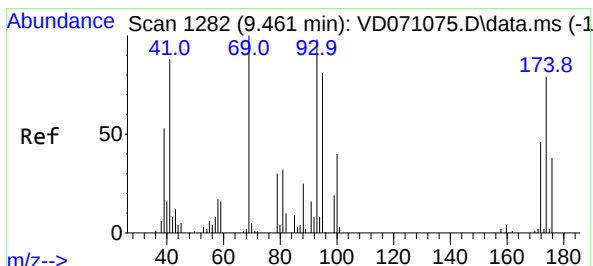
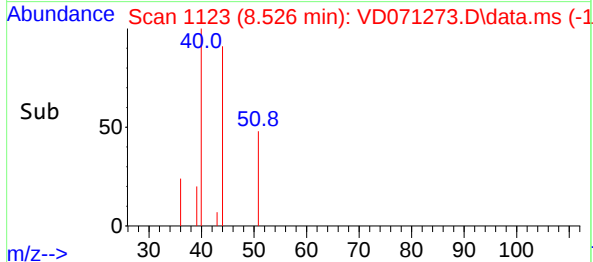
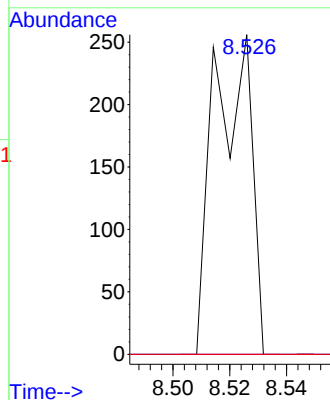
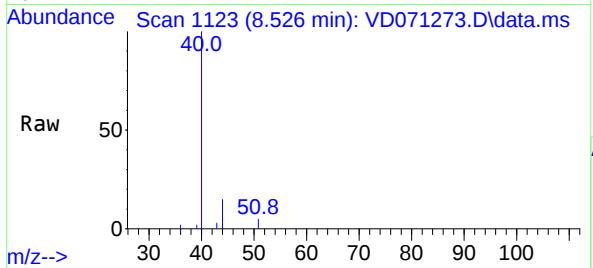




#43
Isopropyl Acetate
Concen: 5.271 ug/l
RT: 8.526 min Scan# 1110
Delta R.T. 0.076 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

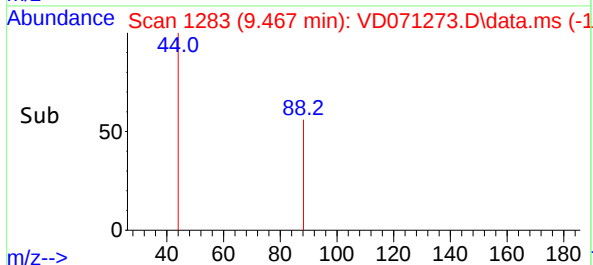
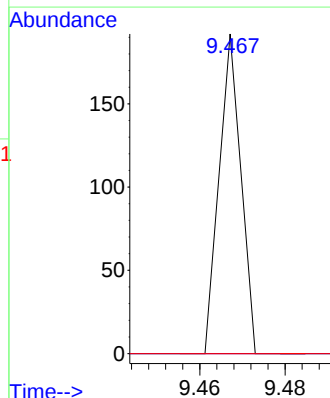
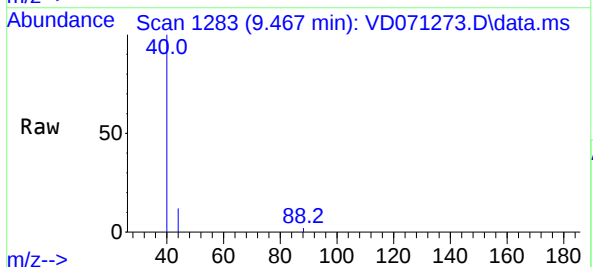
Instrument :
MSVOA_D
ClientSampleId :

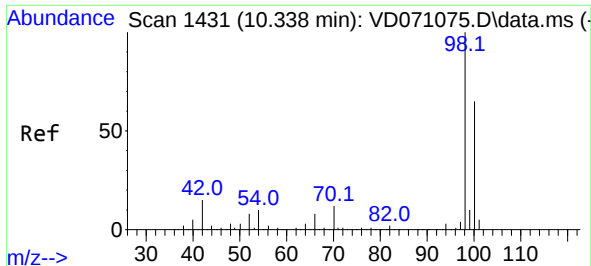
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 4.137 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

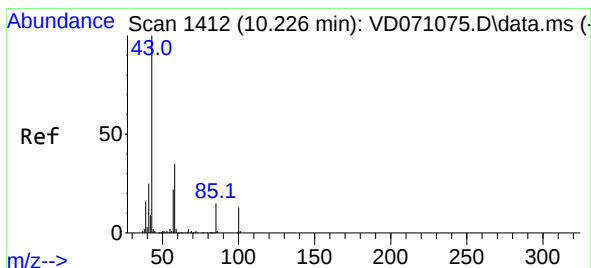
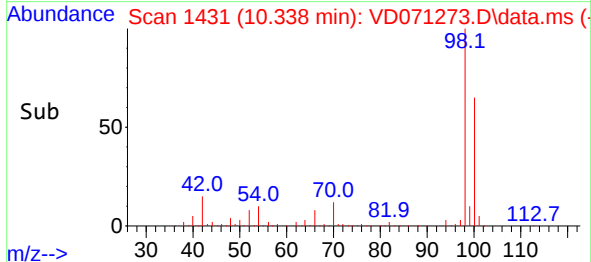
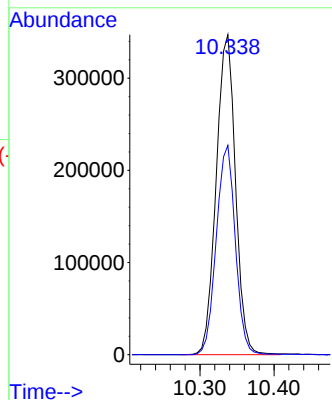
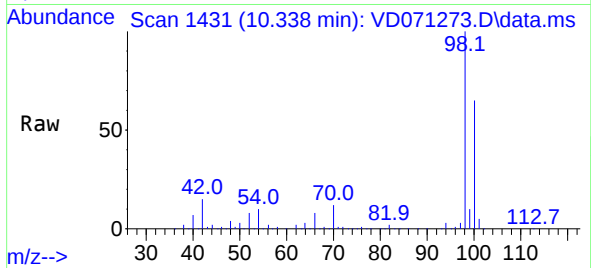




#50
Toluene-d8
Concen: 52.707 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

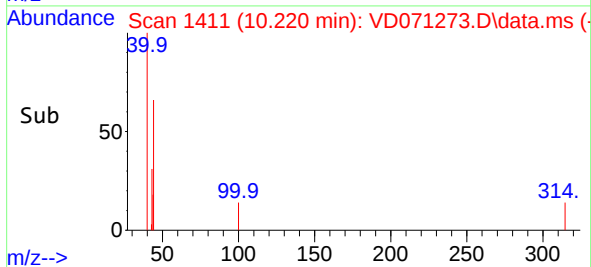
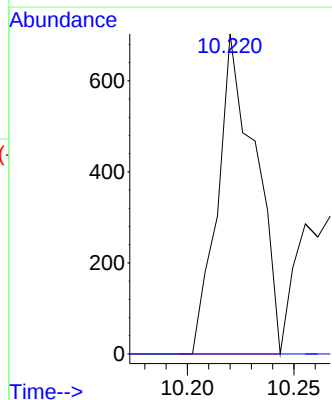
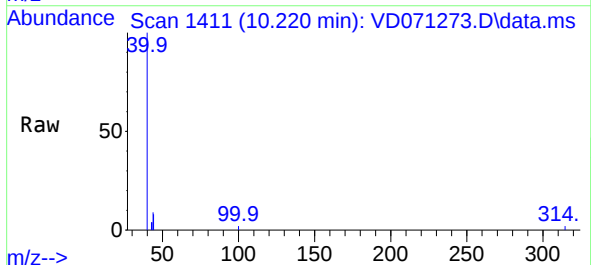
Instrument :
MSVOA_D
ClientSampleId :

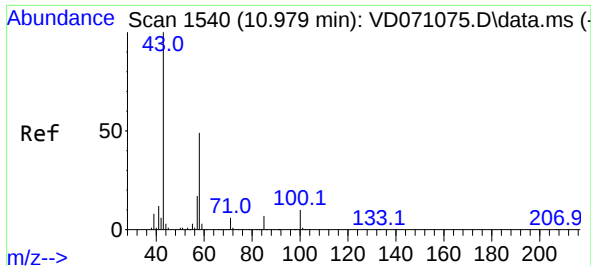
Tgt Ion: 98 Resp: 627856
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.991 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

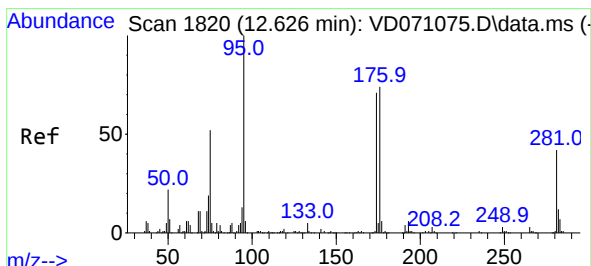
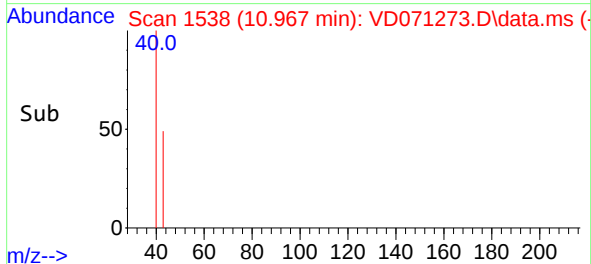
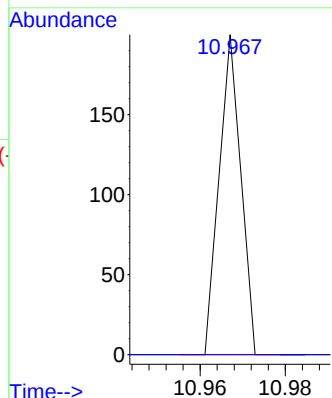
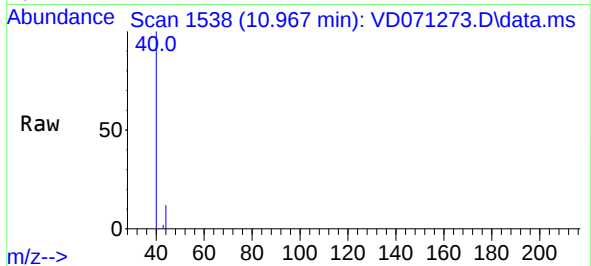




#59
2-Hexanone
Concen: 34.610 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

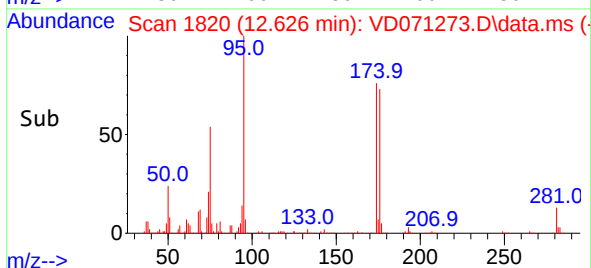
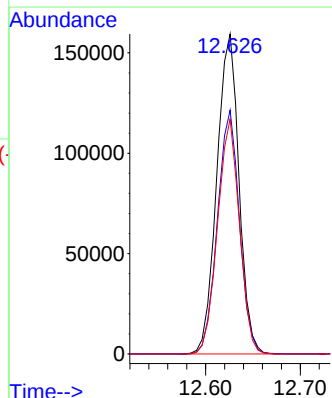
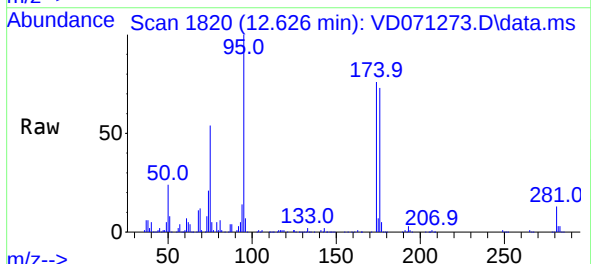
Instrument :
MSVOA_D
ClientSampleId :

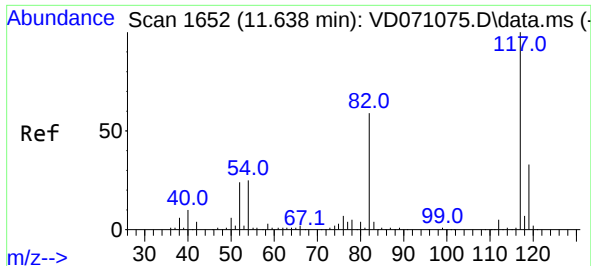
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 62.808 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion: 95 Resp: 259348
Ion Ratio Lower Upper
95 100
174 75.5 0.0 159.4
176 72.2 0.0 154.0

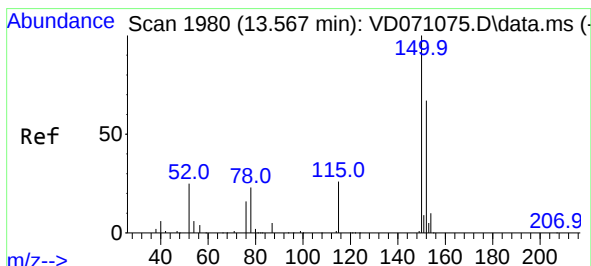
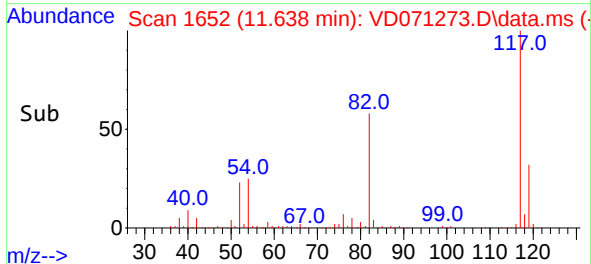
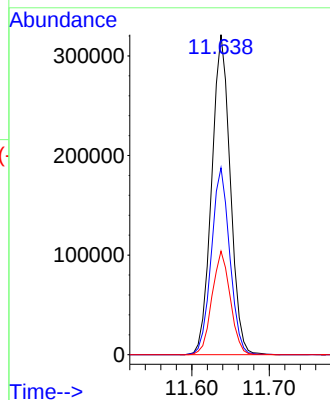
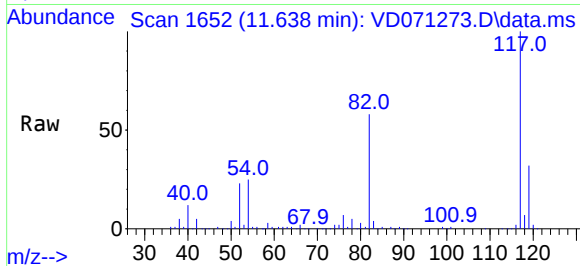




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

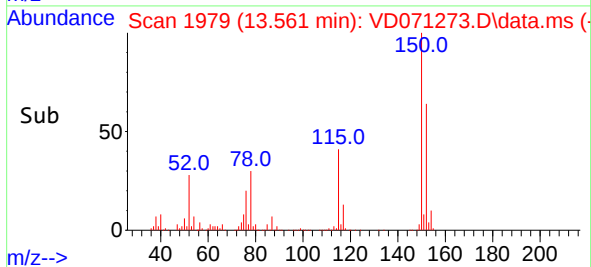
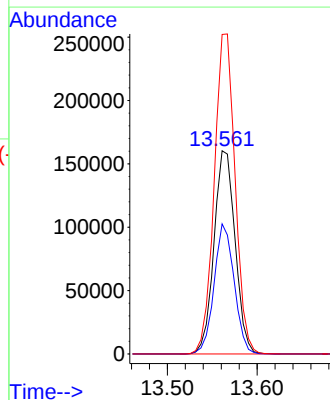
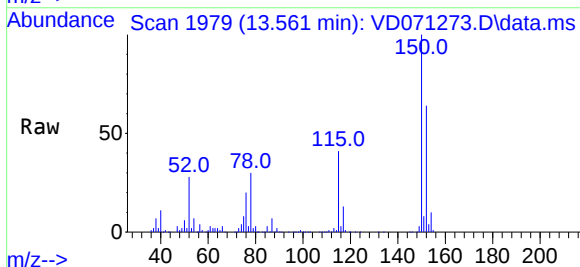
Instrument :
MSVOA_D
ClientSampleId :

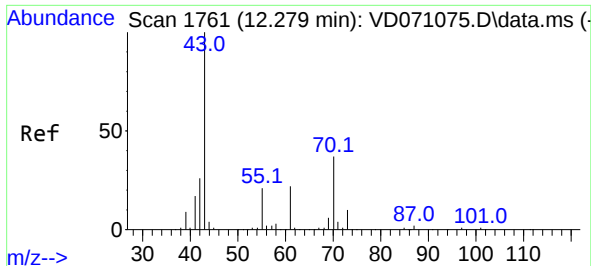
Tgt Ion:117 Resp: 535083
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 32.4 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

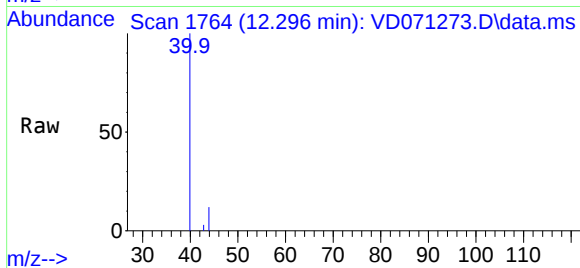
Tgt Ion:152 Resp: 262321
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 155.5 0.0 349.2





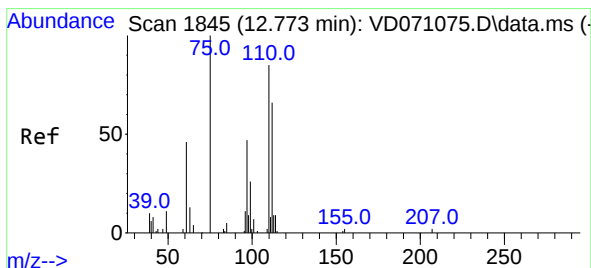
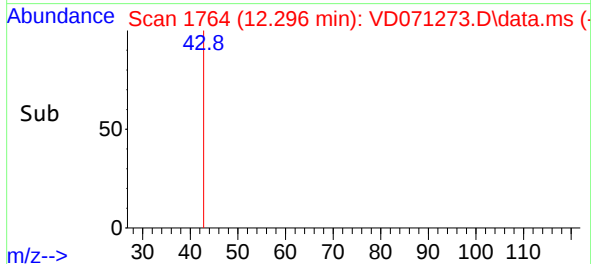
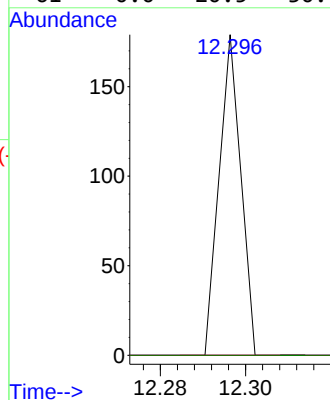
#74
N-amy1 acetate
Concen: 5.712 ug/l
RT: 12.296 min Scan# 11
Delta R.T. 0.017 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 63

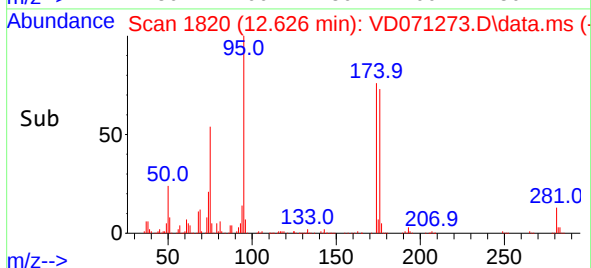
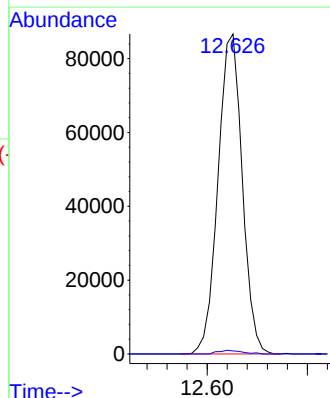
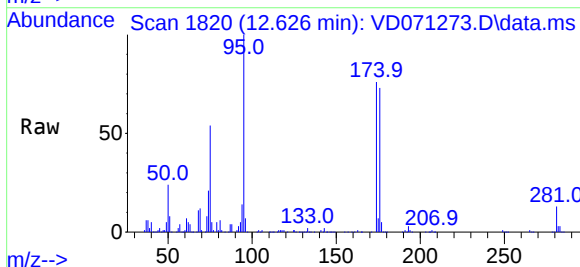
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

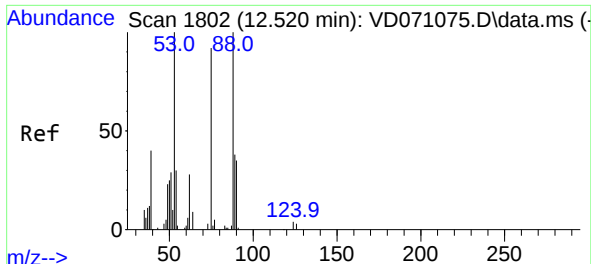


#76
1,2,3-Trichloropropane
Concen: 58.000 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071273.D
Acq: 11 Dec 2021 16:48

Tgt Ion: 75 Resp: 144959

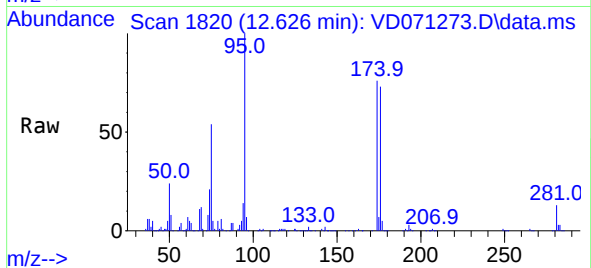
Ion	Ratio	Lower	Upper
75	100		
77	1.1	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.767 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071273.D
 Acq: 11 Dec 2021 16:48

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 144959
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

