

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071271.D
 Acq On : 11 Dec 2021 15:51
 Operator : VA/SY
 Sample : M5018-19RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:53:59 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)

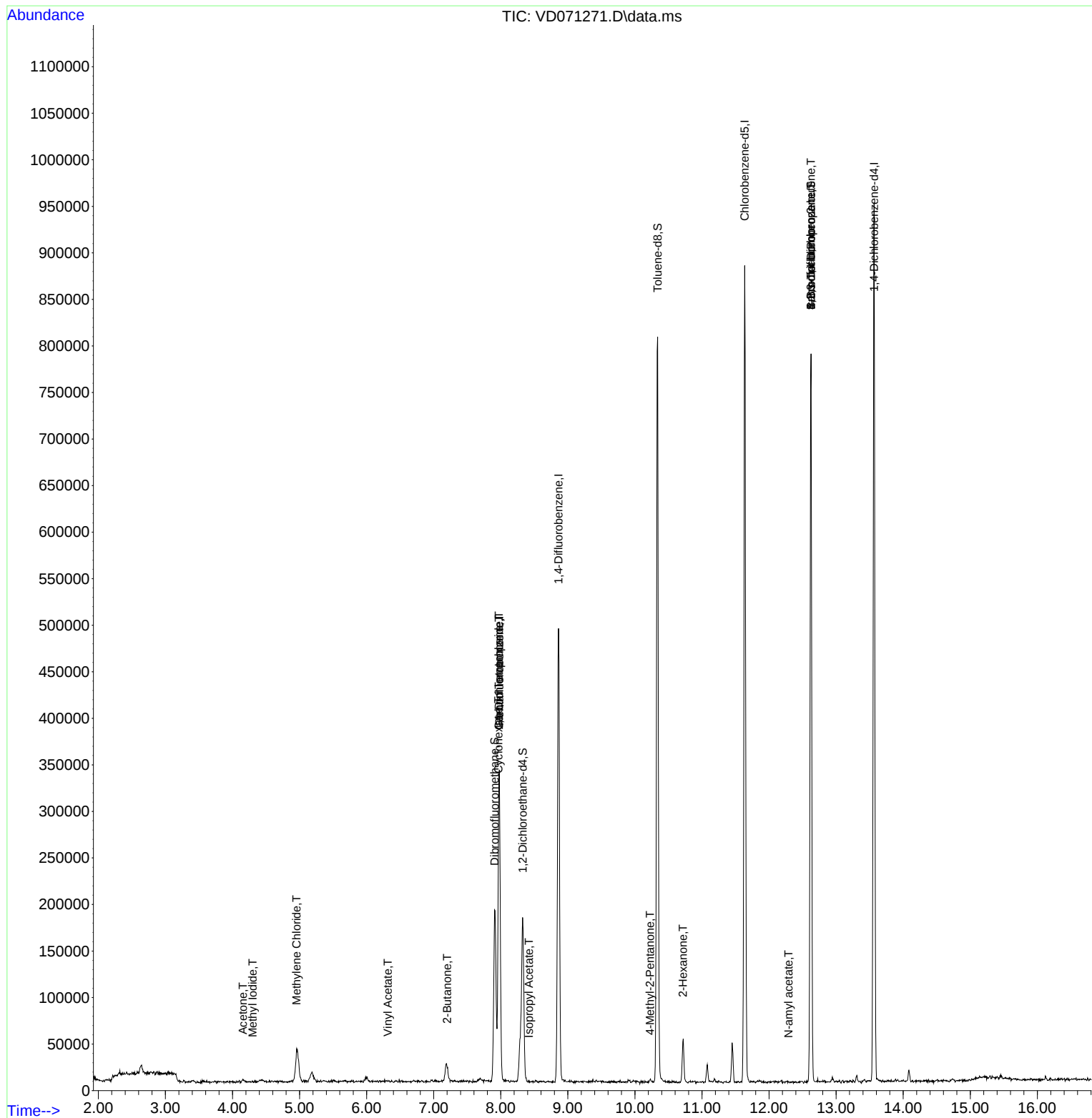
Internal Standards						
1) Pentafluorobenzene	7.979	168	236605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	402117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	458626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	228867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	134783	48.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.100%
35) Dibromofluoromethane	7.908	113	133095	51.977	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.960%
50) Toluene-d8	10.338	98	518583	53.218	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.440%
62) 4-Bromofluorobenzene	12.626	95	223670	66.217	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	132.440%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	60	4.580	ug/l #	40
11) Tert butyl alcohol	5.179	59	9312	Below Cal	#	73
16) Acetone	4.156	43	4387	36.014	ug/l #	72
20) Methylene Chloride	4.955	84	23746	4.691	ug/l #	89
23) Vinyl Acetate	6.314	43	63	27.231	ug/l #	72
25) 2-Butanone	7.202	43	976	29.375	ug/l #	45
31) Cyclohexane	7.967	56	7103	1.504	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	21666	5.765	ug/l #	50
38) Carbon Tetrachloride	7.973	117	25782	6.959	ug/l #	17
41) Methacrylonitrile	7.520	41	124	Below Cal	#	12
43) Isopropyl Acetate	8.420	43	115	5.252	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1396	31.321	ug/l #	79
59) 2-Hexanone	10.714	43	300	34.761	ug/l	63
71) Bromoform	12.626	173	3202	1.989	ug/l #	1
74) N-amyl acetate	12.290	43	217	5.743	ug/l #	61
76) 1,2,3-Trichloropropane	12.626	75	128046	58.722	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	128046	127.260	ug/l #	18

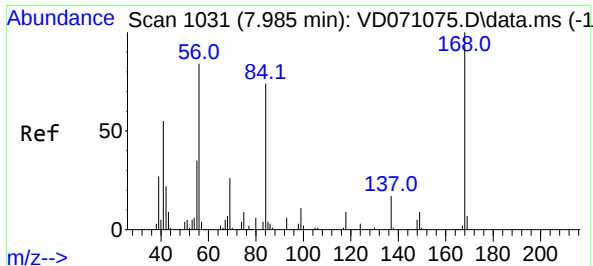
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 17:53:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

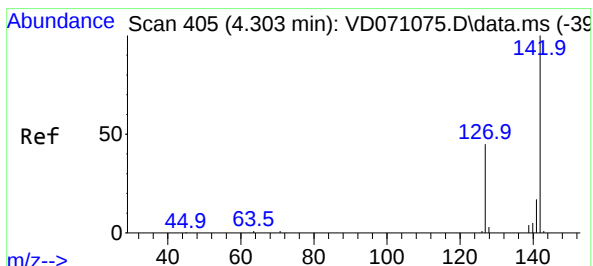
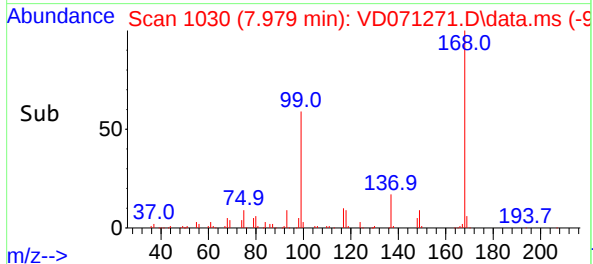
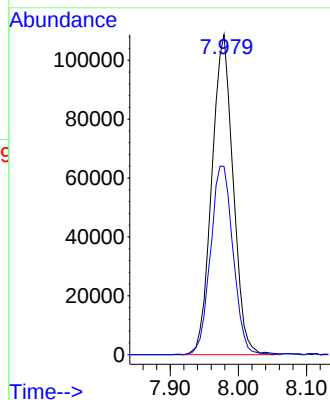
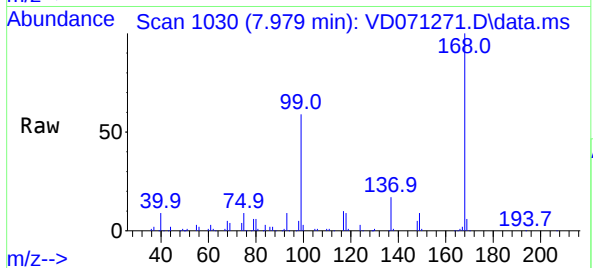




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

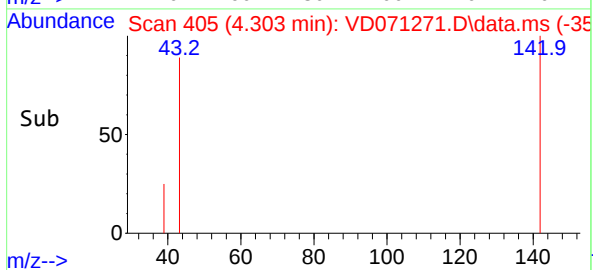
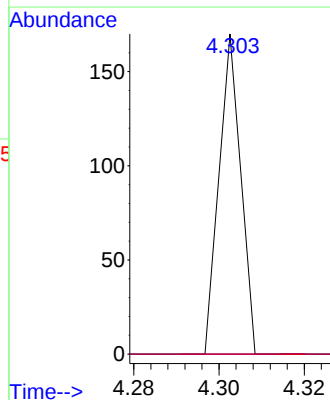
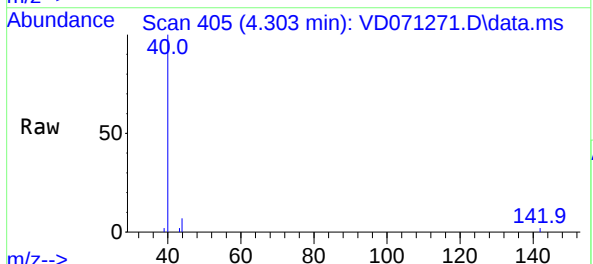
Instrument :
MSVOA_D
ClientSampleId :

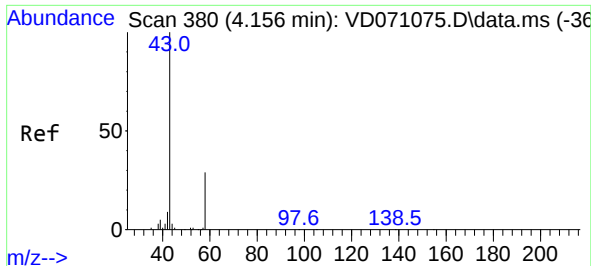
Tgt Ion:168 Resp: 236605
Ion Ratio Lower Upper
168 100
99 58.6 46.6 69.8



#10
Methyl Iodide
Concen: 4.580 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

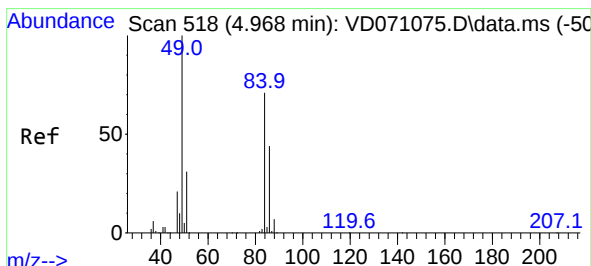
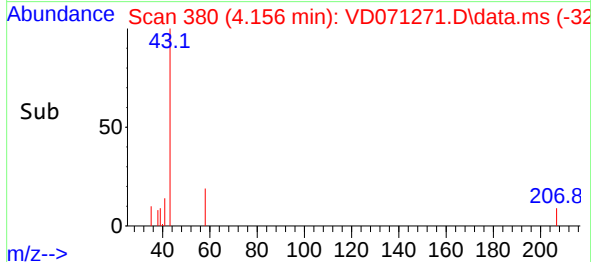
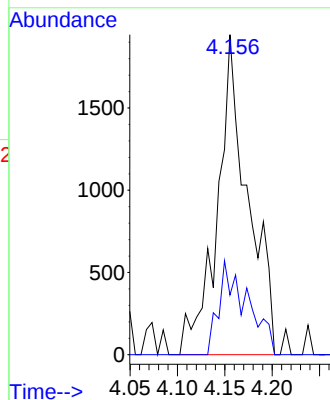
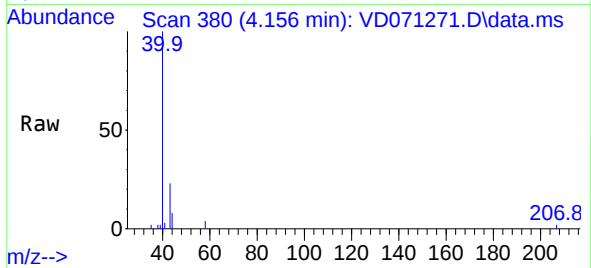




#16
Acetone
Concen: 36.014 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

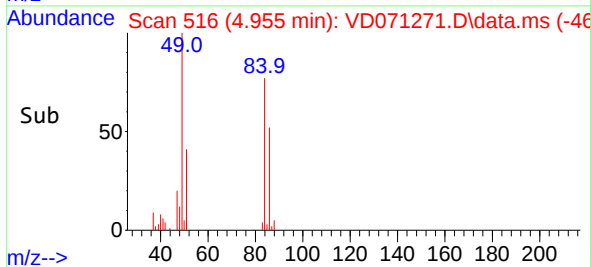
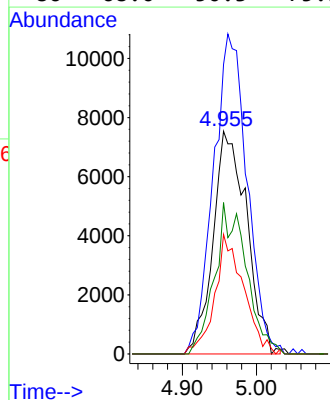
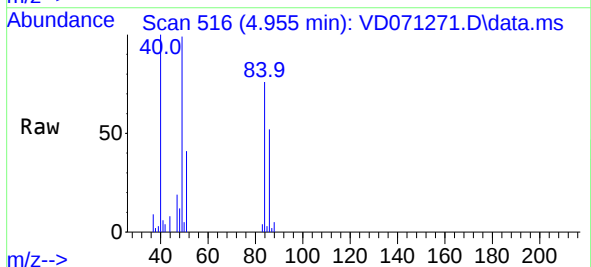
Instrument :
MSVOA_D
ClientSampleId :

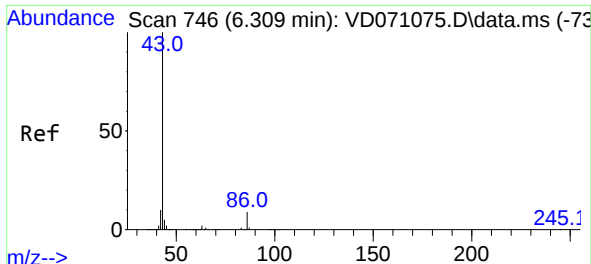
Tgt Ion: 43 Resp: 4387
Ion Ratio Lower Upper
43 100
58 18.7 27.8 41.8#



#20
Methylene Chloride
Concen: 4.691 ug/l
RT: 4.955 min Scan# 516
Delta R.T. -0.013 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion: 84 Resp: 23746
Ion Ratio Lower Upper
84 100
49 130.0 95.8 143.6
51 53.6 30.9 46.3#
86 68.0 50.3 75.5

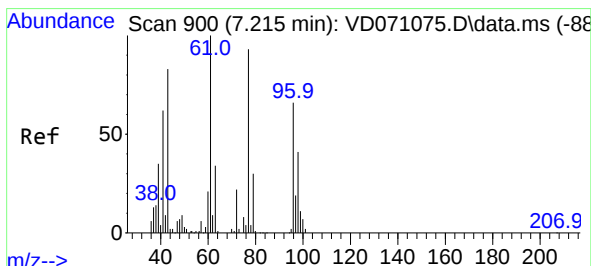
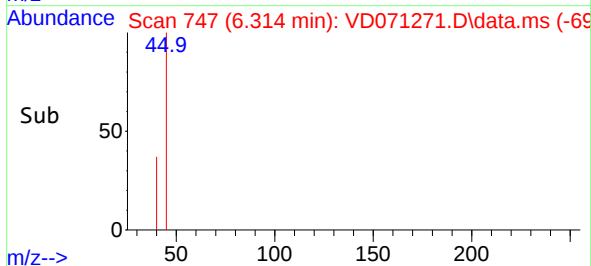
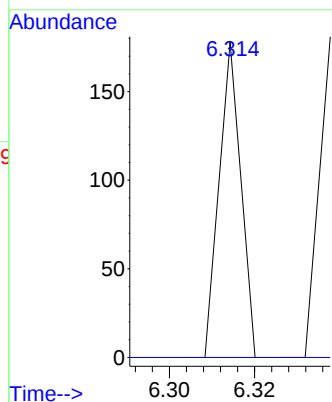
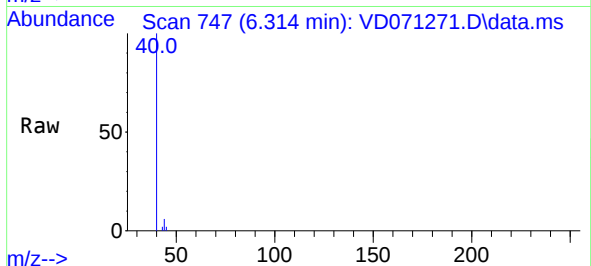




#23
Vinyl Acetate
Concen: 27.231 ug/l
RT: 6.314 min Scan# 74
Delta R.T. 0.005 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

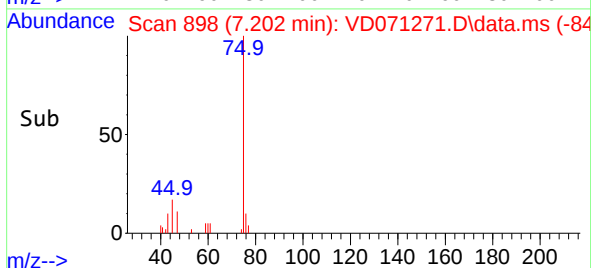
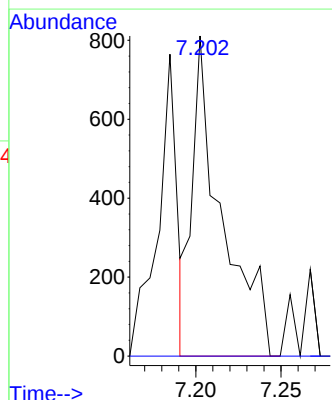
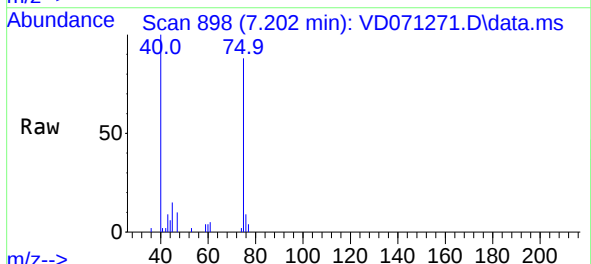
Instrument :
MSVOA_D
ClientSampleId :

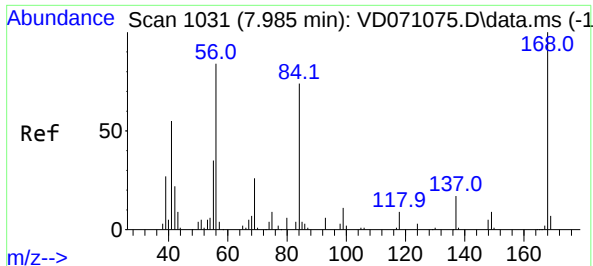
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



#25
2-Butanone
Concen: 29.375 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.013 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

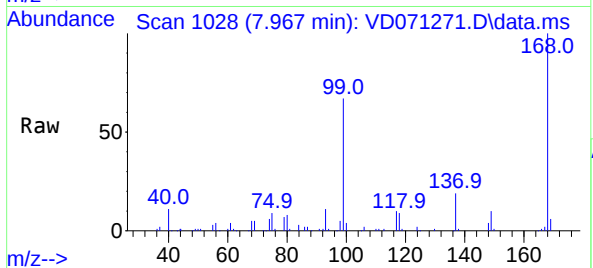
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



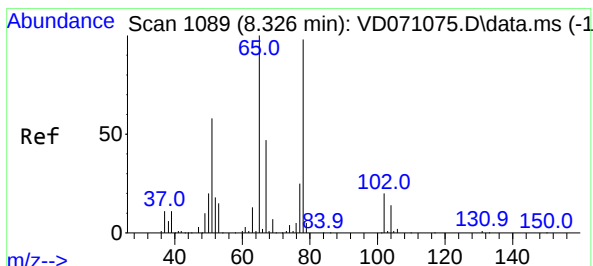
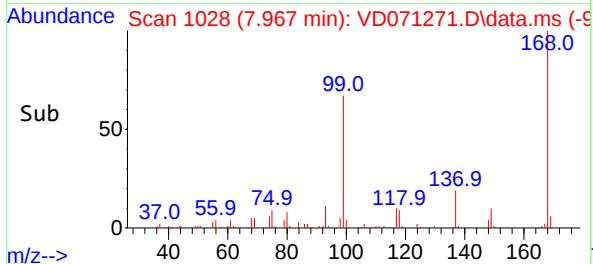
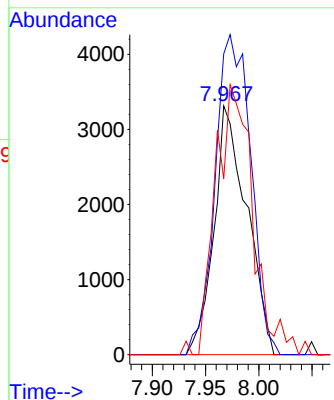


#31
Cyclohexane
Concen: 1.504 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Instrument :
MSVOA_D
ClientSampleId :

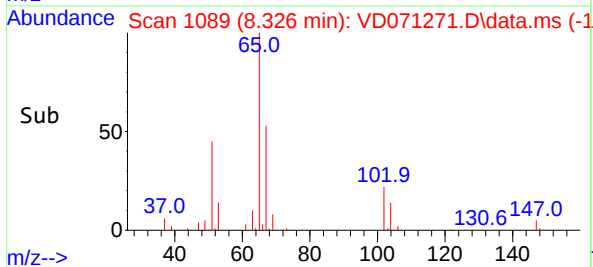
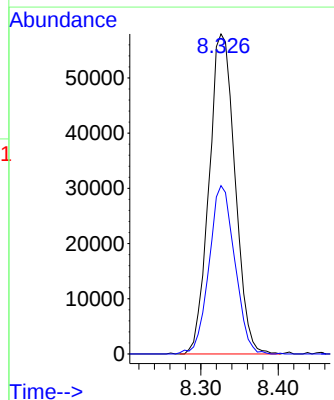
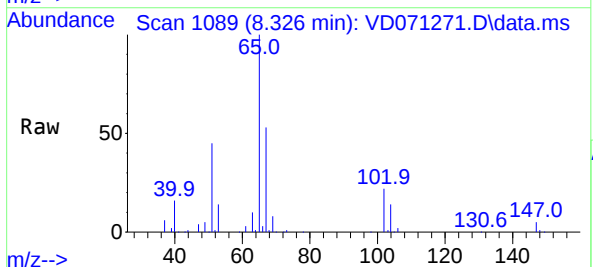


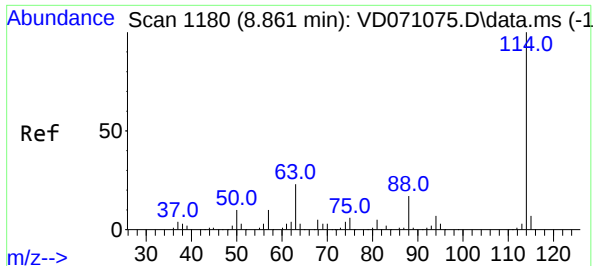
Tgt Ion: 56 Resp: 7103
Ion Ratio Lower Upper
56 100
69 120.9 25.9 38.9#
84 70.7 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 48.548 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion: 65 Resp: 134783
Ion Ratio Lower Upper
65 100
67 52.0 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: VD071271.D

Acq: 11 Dec 2021 15:51

Instrument :

MSVOA_D

ClientSampleId :

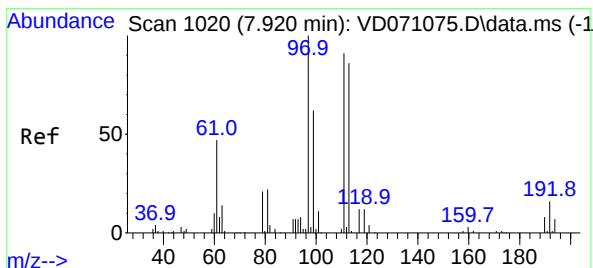
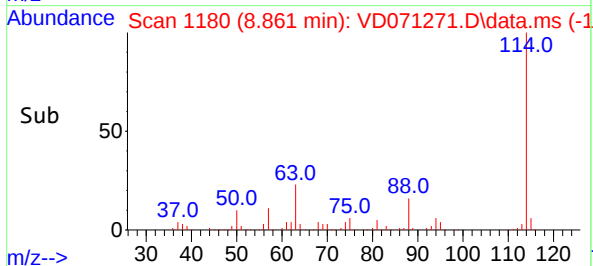
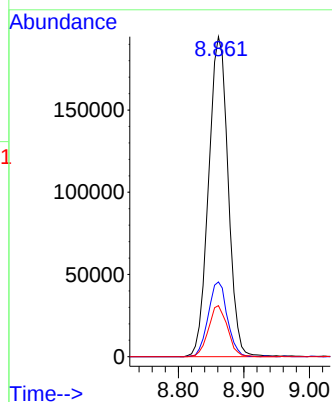
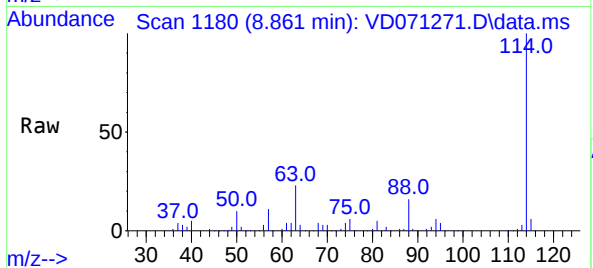
Tgt Ion:114 Resp: 402117

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.8

88 15.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.977 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VD071271.D

Acq: 11 Dec 2021 15:51

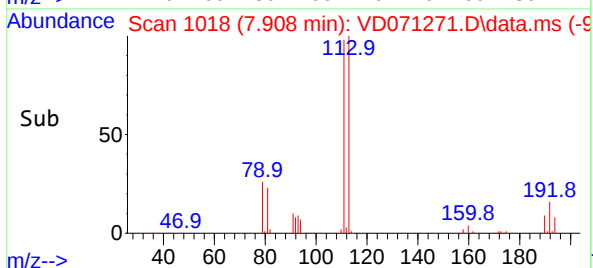
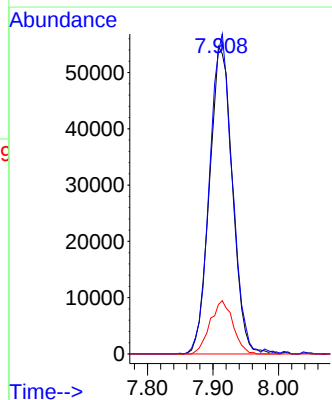
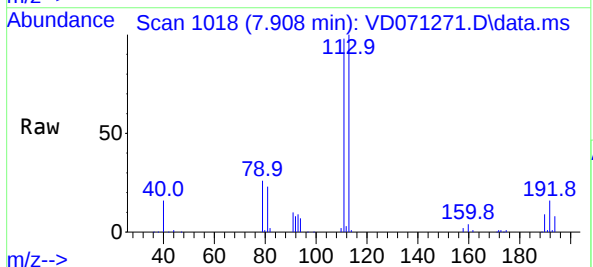
Tgt Ion:113 Resp: 133095

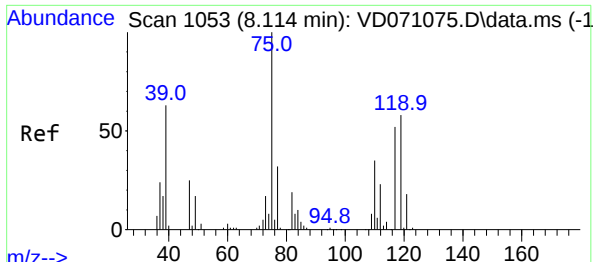
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

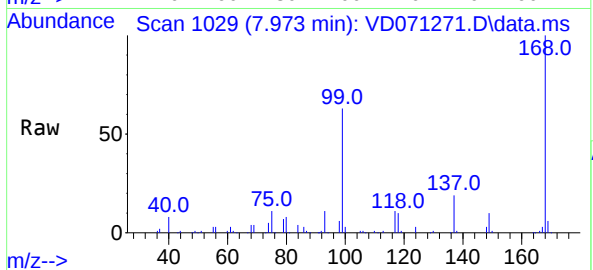
192 17.2 15.2 22.8



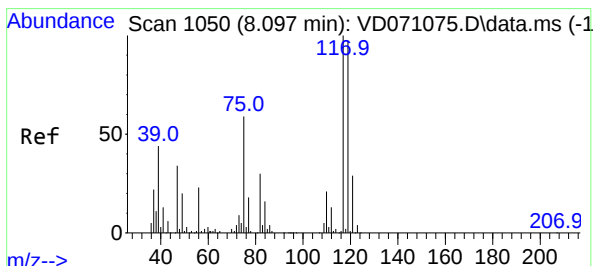
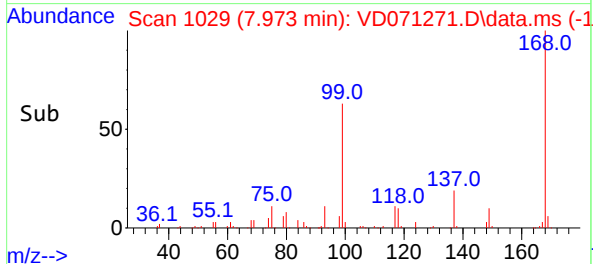
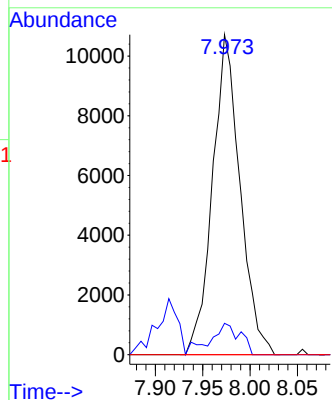


#36
1,1-Dichloropropene
Concen: 5.765 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Instrument :
MSVOA_D
ClientSampleId :

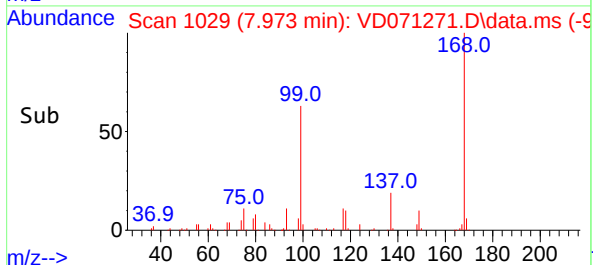
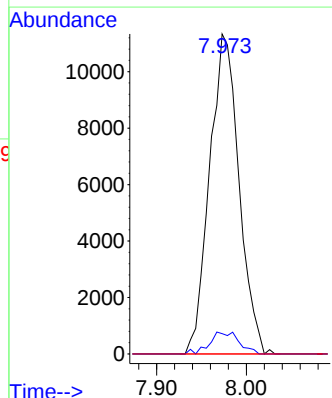
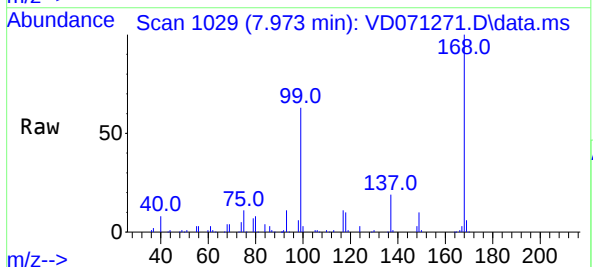


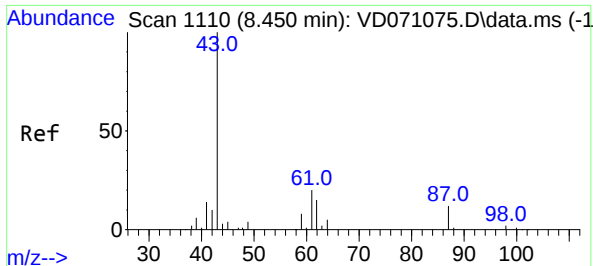
Tgt Ion: 75 Resp: 21666
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.959 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion: 117 Resp: 25782
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.252 ug/l

RT: 8.420 min Scan# 1110

Delta R.T. -0.030 min

Lab File: VD071271.D

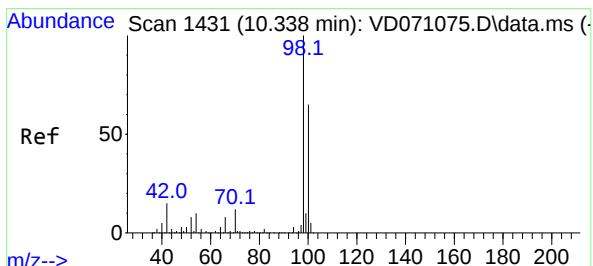
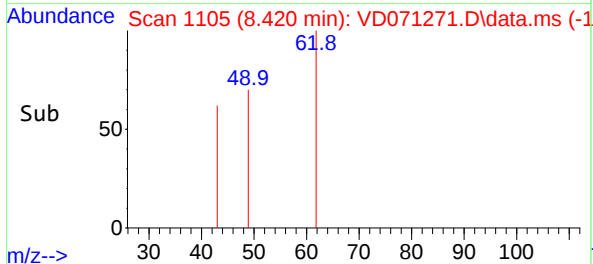
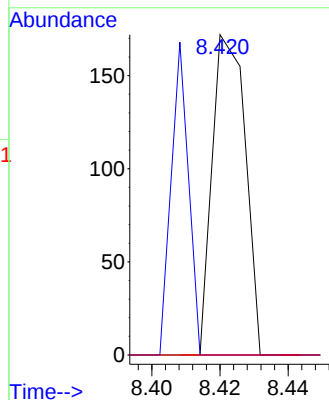
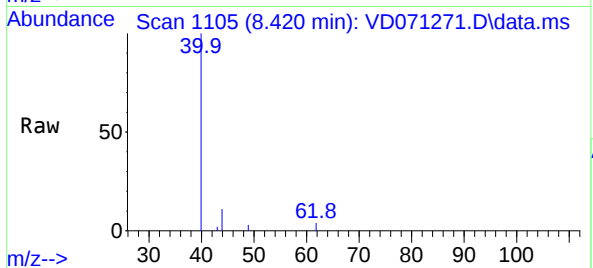
Acq: 11 Dec 2021 15:51

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 115
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.218 ug/l

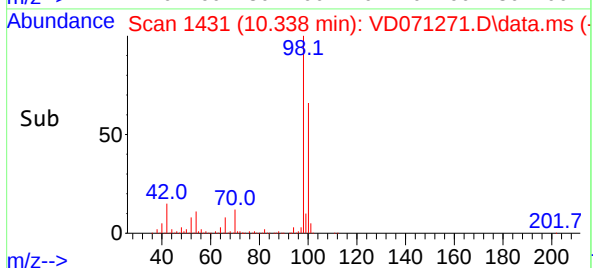
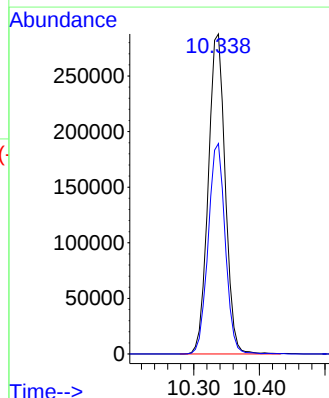
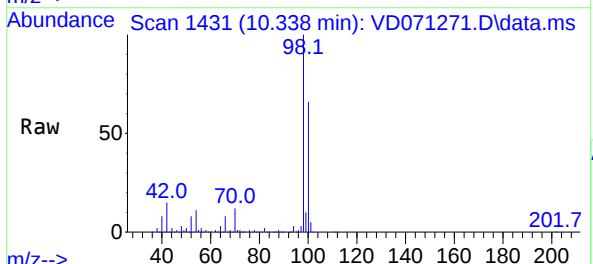
RT: 10.338 min Scan# 1431

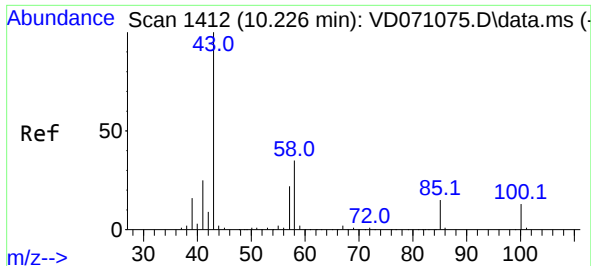
Delta R.T. -0.000 min

Lab File: VD071271.D

Acq: 11 Dec 2021 15:51

Tgt Ion: 98	Resp: 518583
Ion Ratio	Lower Upper
98	100
100	65.9 51.8 77.6

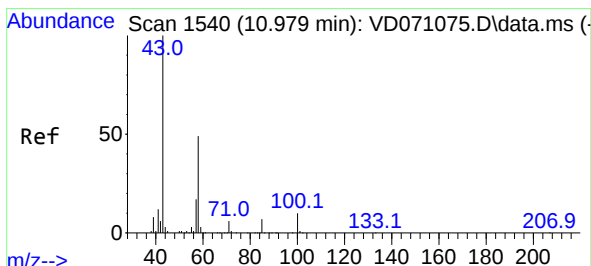
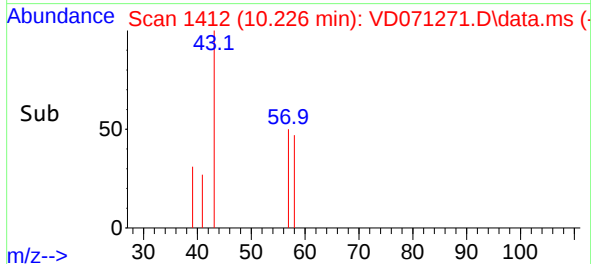
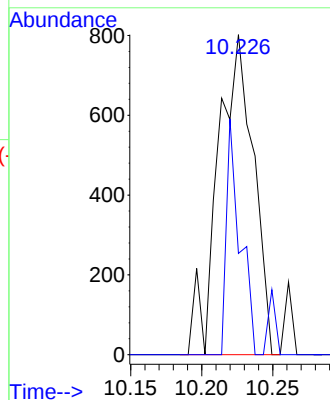
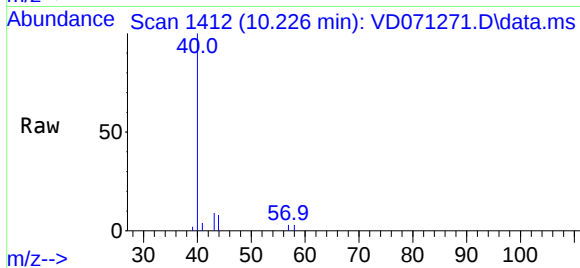




#51
4-Methyl-2-Pentanone
Concen: 31.321 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

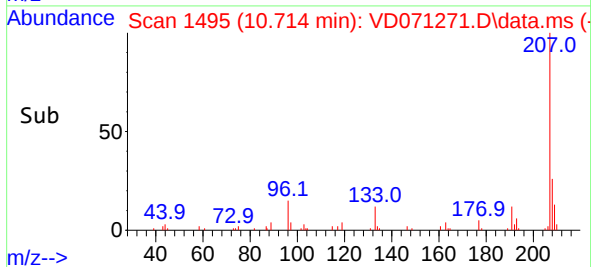
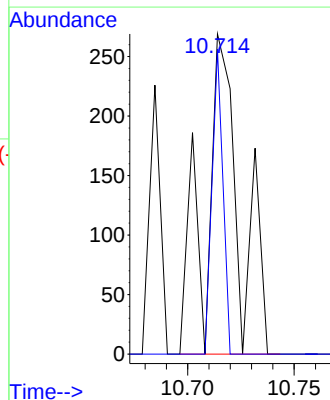
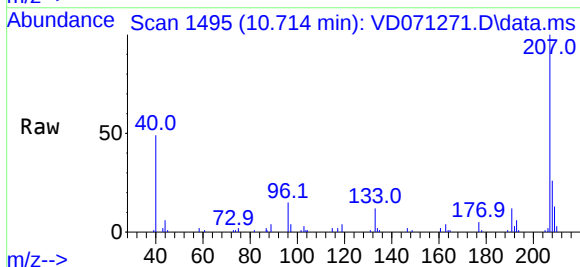
Instrument :
MSVOA_D
ClientSampleId :

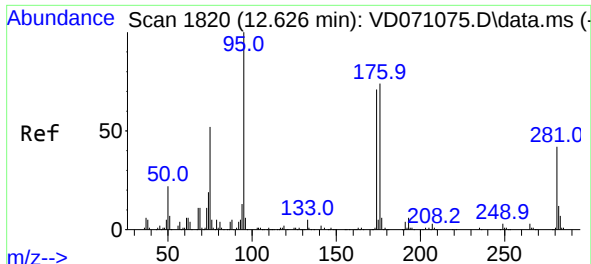
Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 28.2 33.1 49.7#



#59
2-Hexanone
Concen: 34.761 ug/l
RT: 10.714 min Scan# 1495
Delta R.T. -0.265 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 30.0 28.7 86.1

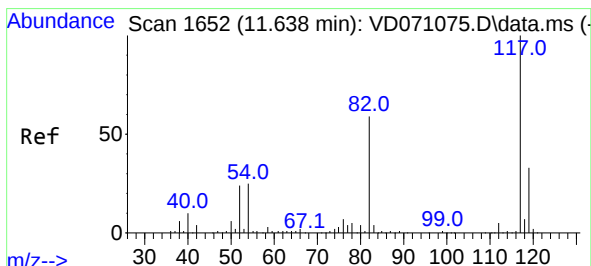
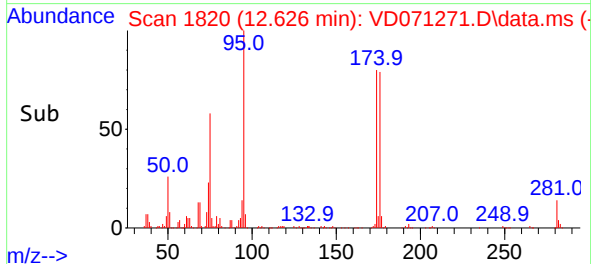
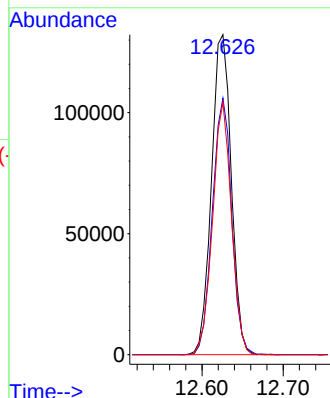
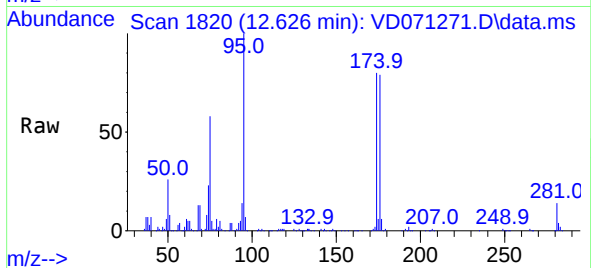




#62
4-Bromofluorobenzene
Concen: 66.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

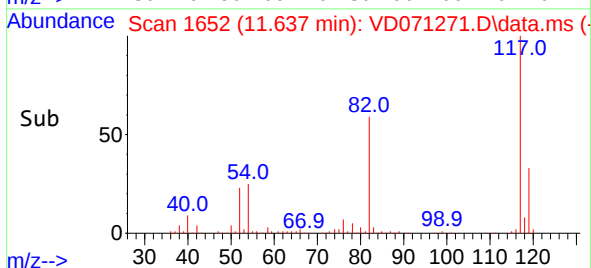
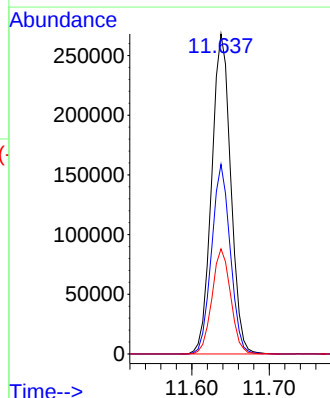
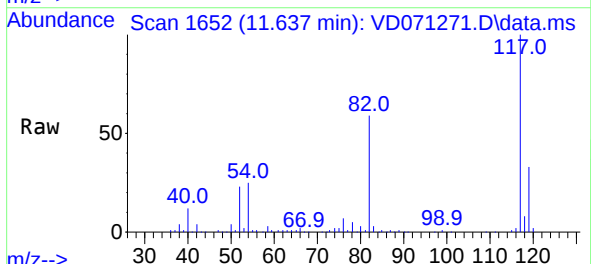
Instrument :
MSVOA_D
ClientSampleId :

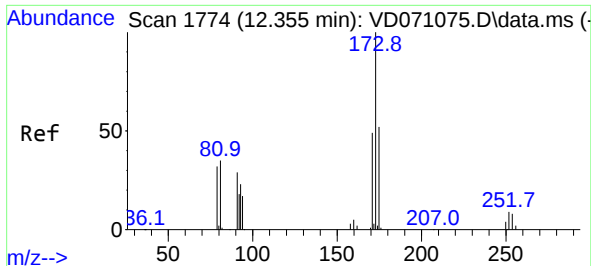
Tgt Ion: 95 Resp: 223670
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.4
176 75.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion: 117 Resp: 458626
Ion Ratio Lower Upper
117 100
82 59.2 44.7 67.1
119 32.9 26.2 39.4

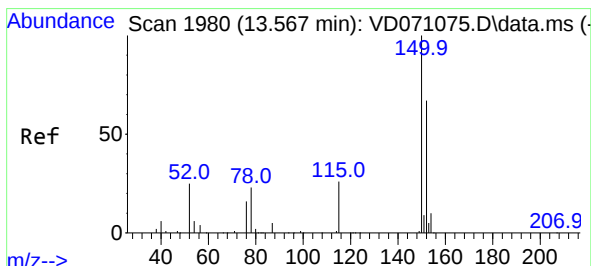
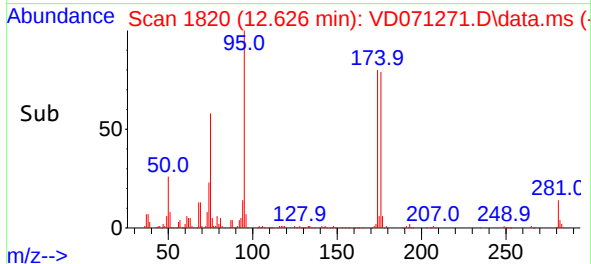
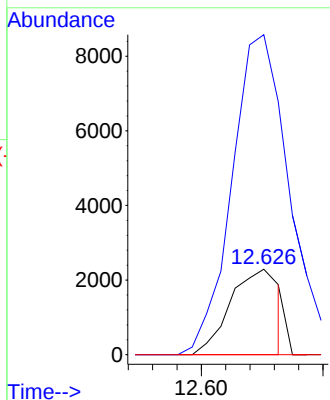
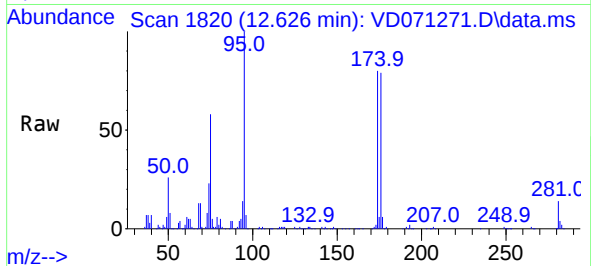




#71
Bromoform
Concen: 1.989 ug/l
RT: 12.626 min Scan# 1774
Delta R.T. 0.271 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

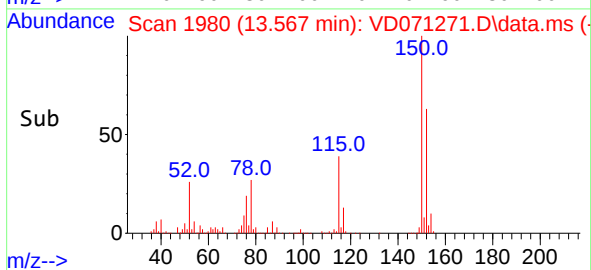
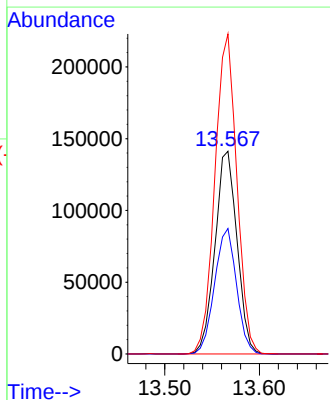
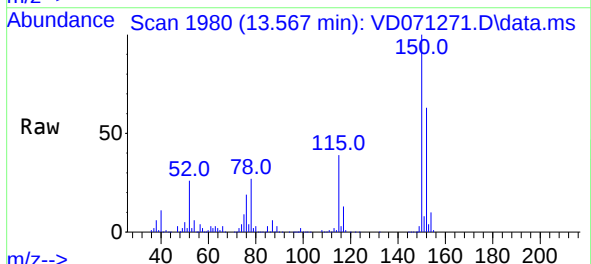
Instrument :
MSVOA_D
ClientSampleId :

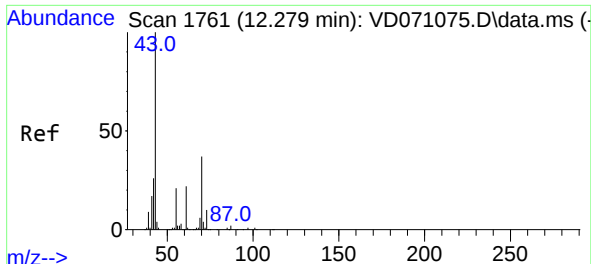
Tgt Ion:173 Resp: 3202
Ion Ratio Lower Upper
173 100
175 359.9 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

Tgt Ion:152 Resp: 228867
Ion Ratio Lower Upper
152 100
115 61.6 29.8 89.3
150 157.1 0.0 349.2

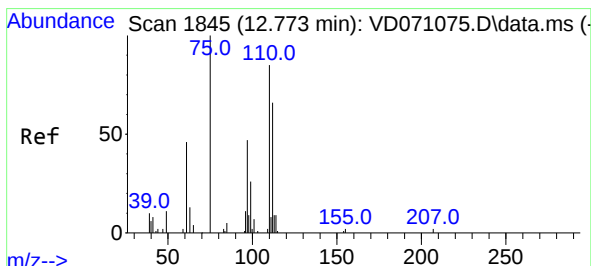
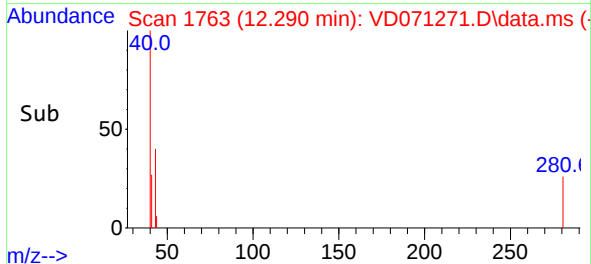
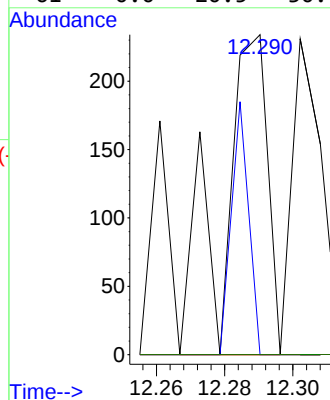
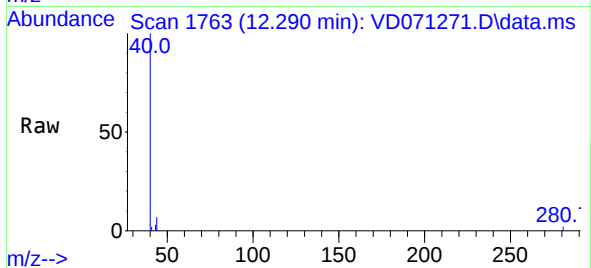




#74
N-amy1 acetate
Concen: 5.743 ug/l
RT: 12.290 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

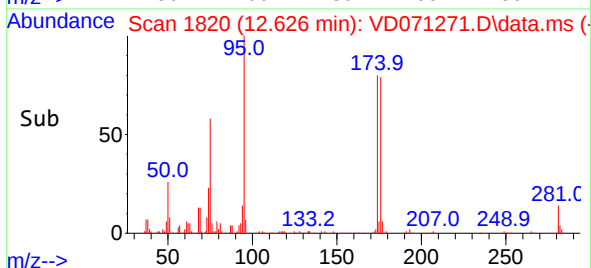
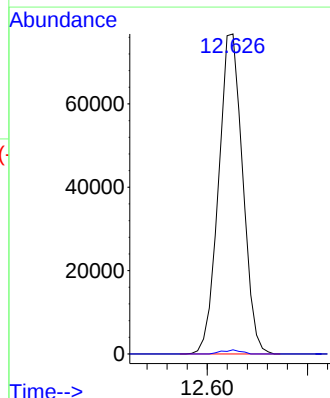
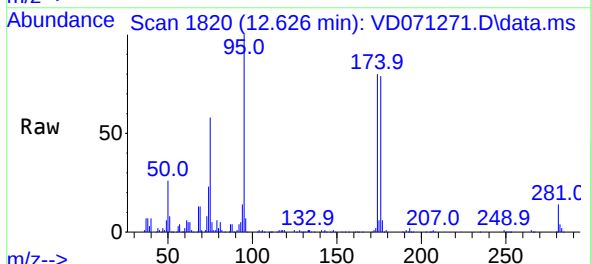
Instrument :
MSVOA_D
ClientSampleId :

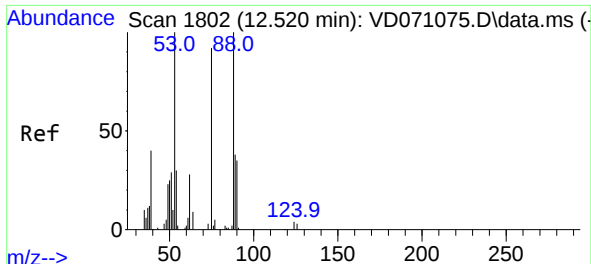
Tgt Ion: 43	Resp: 217
Ion Ratio	Lower Upper
43 100	
70 30.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 58.722 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071271.D
Acq: 11 Dec 2021 15:51

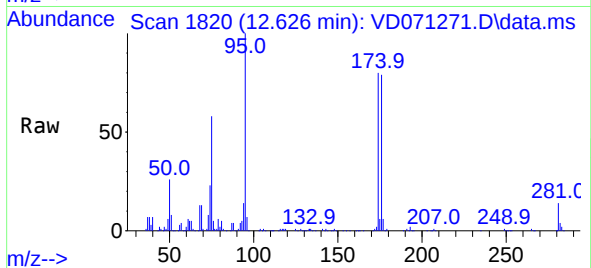
Tgt Ion: 75	Resp: 128046
Ion Ratio	Lower Upper
75 100	
77 1.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.260 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071271.D
 Acq: 11 Dec 2021 15:51

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 128046
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.2 34.5 51.7#

