

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122721\
 Data File : VD071482.D
 Acq On : 27 Dec 2021 13:02
 Operator : VA/SY
 Sample : M4873-10
 Misc : 7.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 16:48:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

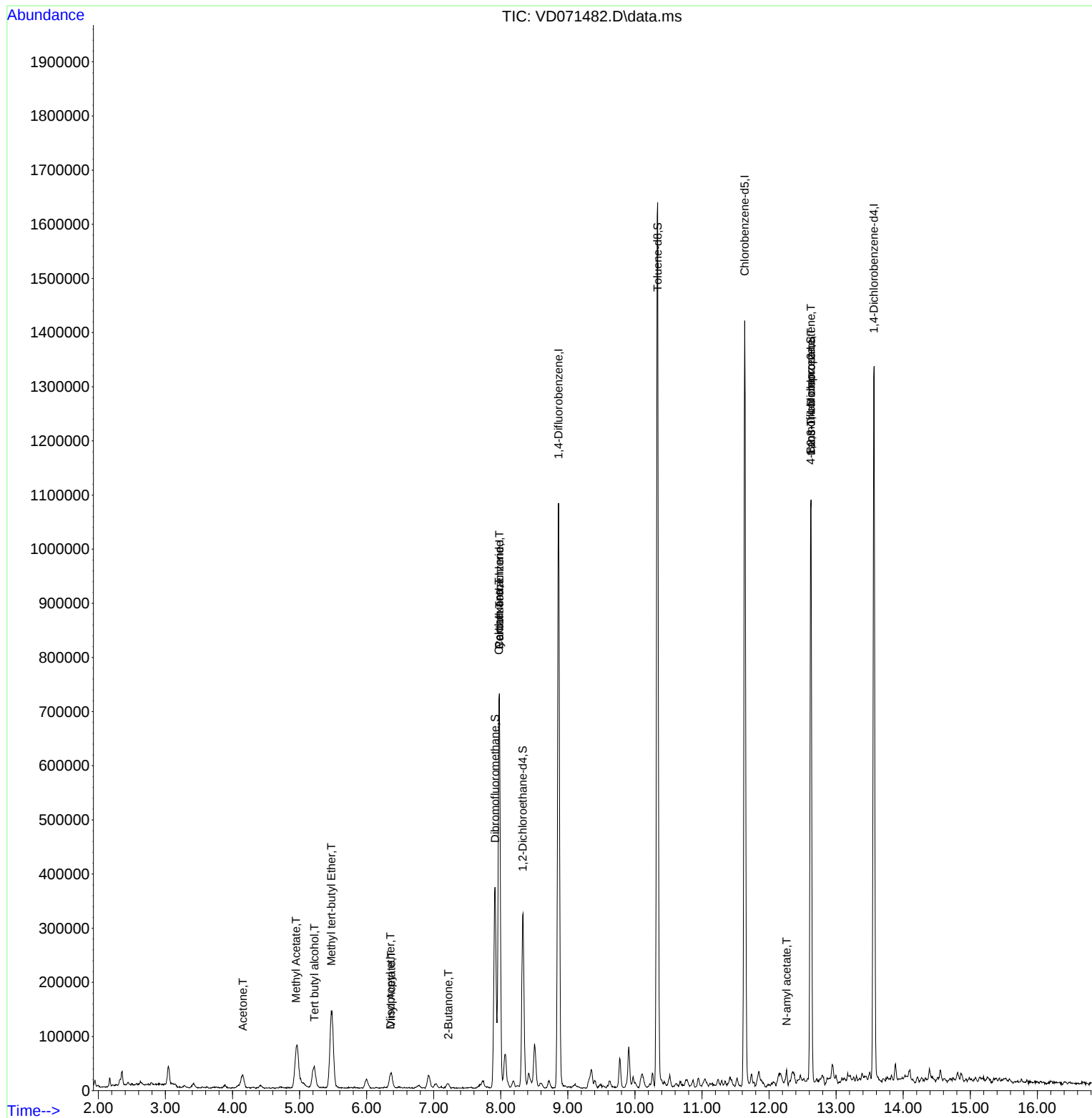
Internal Standards						
1) Pentafluorobenzene	7.979	168	500868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	862050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	750504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	330501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	248899	37.417	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.840%
35) Dibromofluoromethane	7.914	113	259150	44.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.460%
50) Toluene-d8	10.338	98	1062539	48.530	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.620	95	341410	43.882	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	72059	119.278	ug/l #	92
16) Acetone	4.156	43	26596	15.918	ug/l #	84
18) Methyl Acetate	4.950	43	61192	11.866	ug/l #	51
19) Methyl tert-butyl Ether	5.473	73	216169	16.048	ug/l	97
20) Methylene Chloride	4.973	84	24774	Below Cal	#	90
22) Diisopropyl ether	6.356	45	33227	1.654	ug/l #	90
23) Vinyl Acetate	6.367	43	20276	1.958	ug/l #	72
25) 2-Butanone	7.220	43	5104	2.557	ug/l #	62
31) Cyclohexane	7.973	56	19908	1.762	ug/l #	24
38) Carbon Tetrachloride	7.979	117	53352	5.842	ug/l #	16
74) N-amyl acetate	12.261	43	7887	1.154	ug/l #	55
76) 1,2,3-Trichloropropane	12.626	75	192934	49.131	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	192934	138.821	ug/l #	18

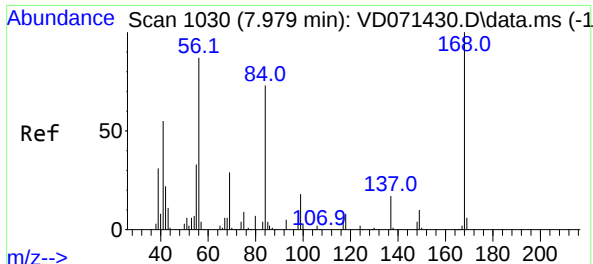
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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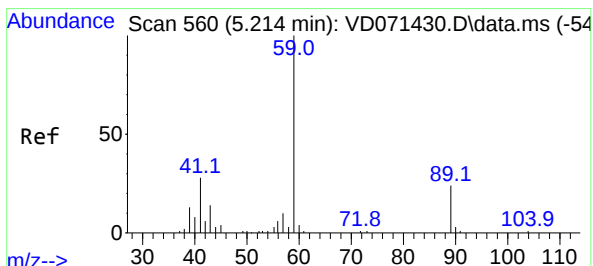
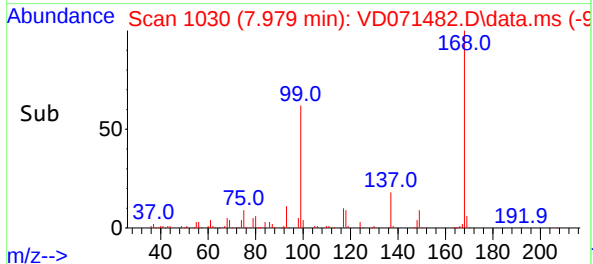
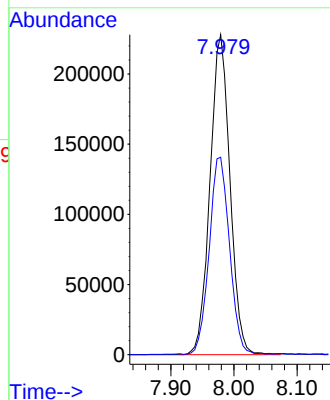
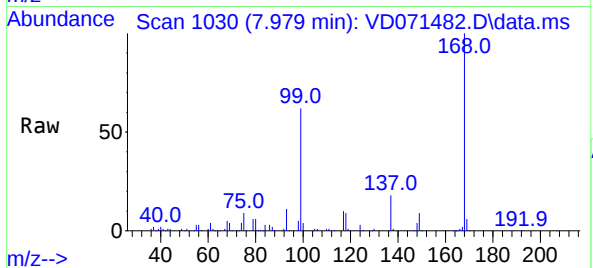




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

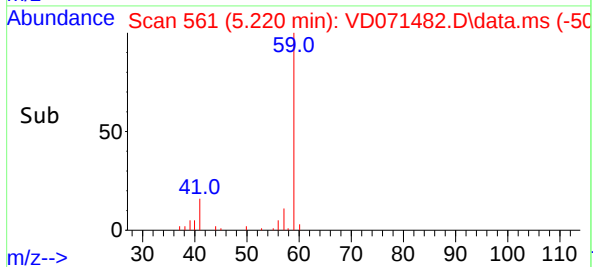
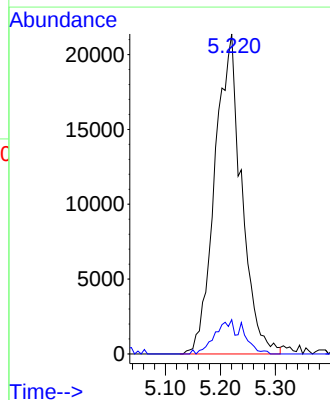
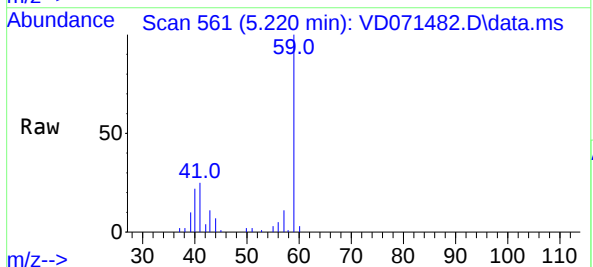
Instrument :
MSVOA_D
ClientSampleId :

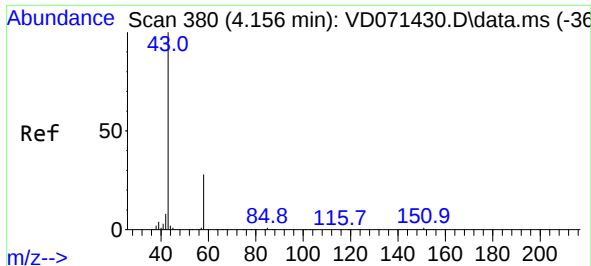
Tgt Ion:168 Resp: 500868
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#11
Tert butyl alcohol
Concen: 119.278 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.011 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 59 Resp: 72059
Ion Ratio Lower Upper
59 100
57 8.0 9.0 13.4#

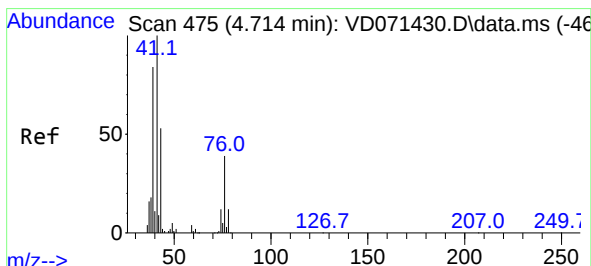
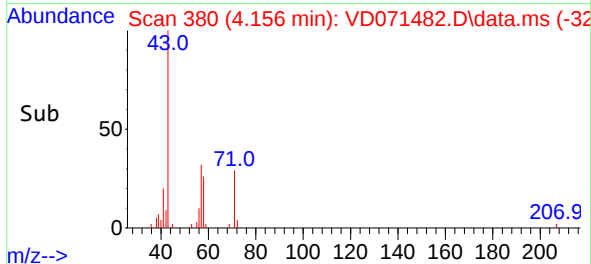
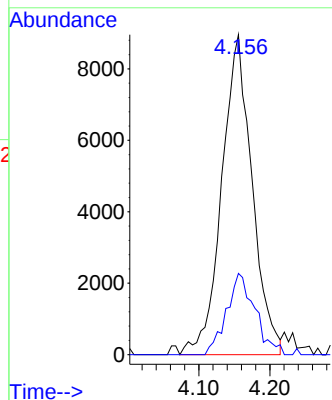
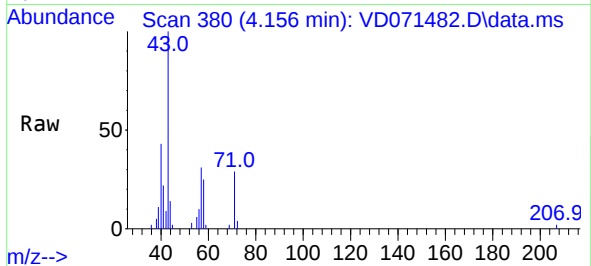




#16
Acetone
Concen: 15.918 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

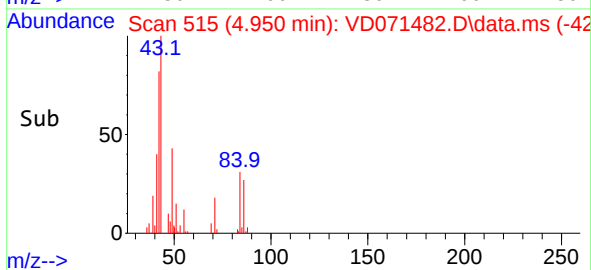
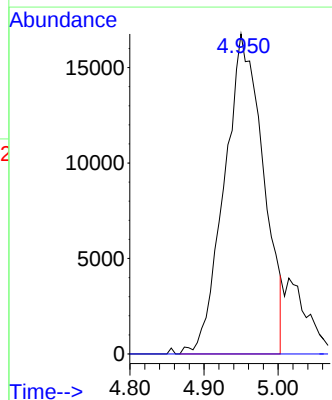
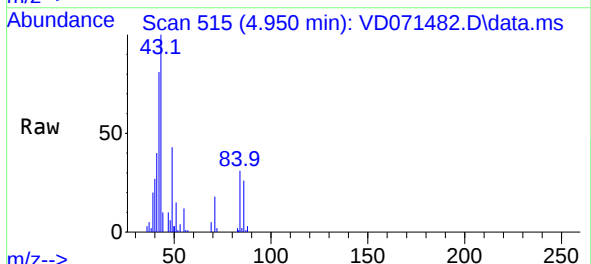
Instrument :
MSVOA_D
ClientSampleId :

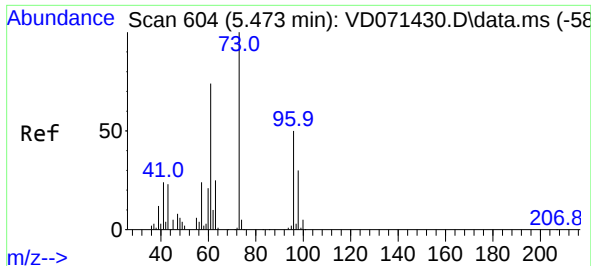
Tgt Ion: 43 Resp: 26596
Ion Ratio Lower Upper
43 100
58 25.4 27.8 41.8#



#18
Methyl Acetate
Concen: 11.866 ug/l
RT: 4.950 min Scan# 515
Delta R.T. 0.230 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 43 Resp: 61192
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#

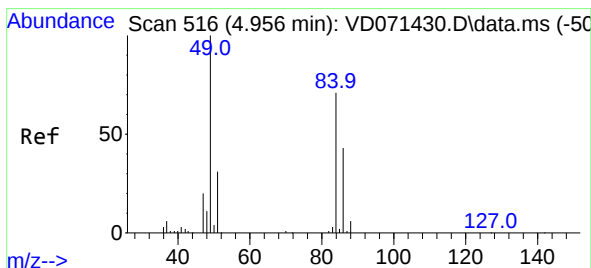
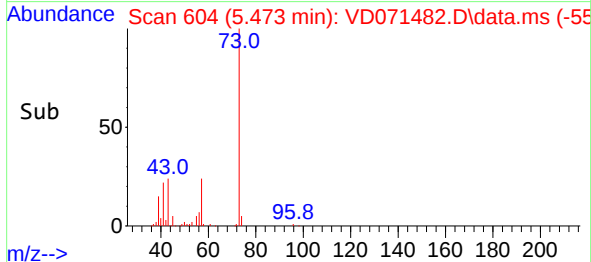
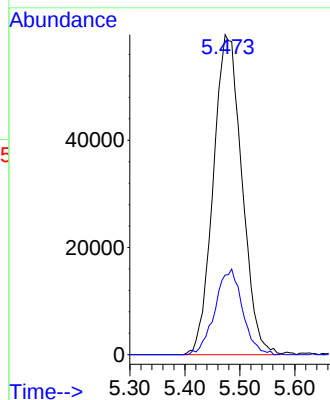
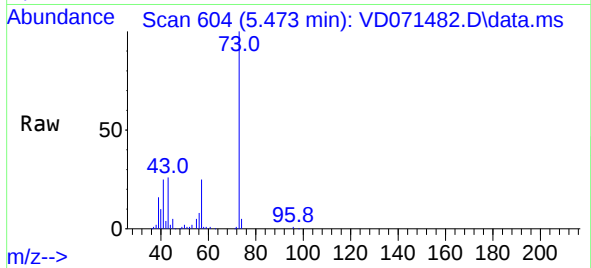




#19
Methyl tert-butyl Ether
Concen: 16.048 ug/l
RT: 5.473 min Scan# 604
Delta R.T. 0.000 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

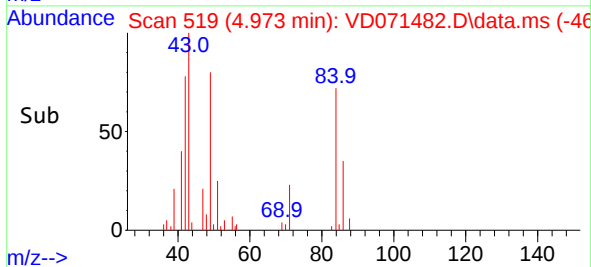
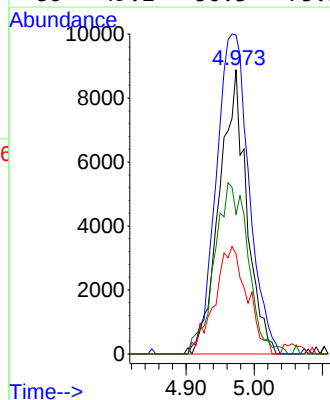
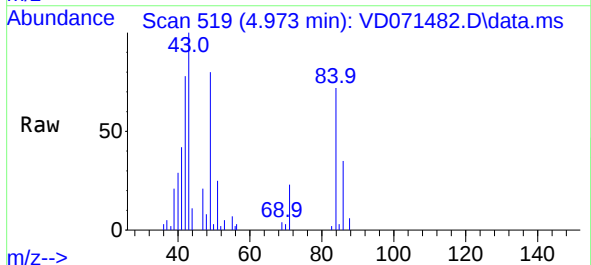
Instrument :
MSVOA_D
ClientSampleId :

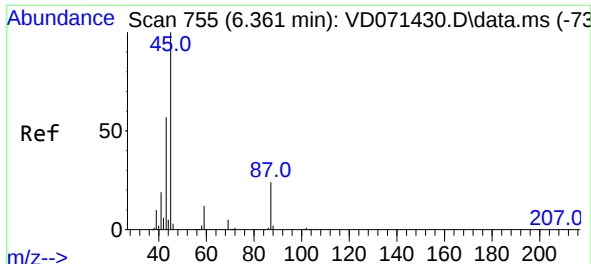
Tgt Ion: 73 Resp: 216169
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.012 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

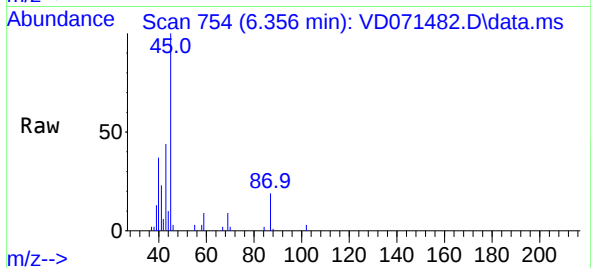
Tgt Ion: 84 Resp: 24774
Ion Ratio Lower Upper
84 100
49 112.2 95.8 143.6
51 35.1 30.9 46.3
86 49.2 50.3 75.5#



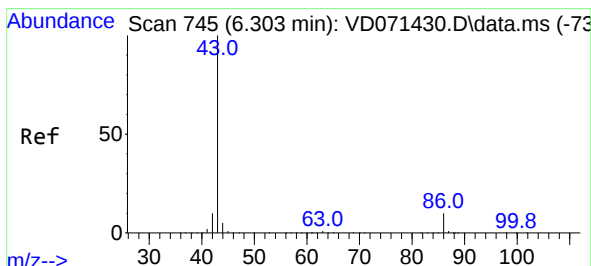
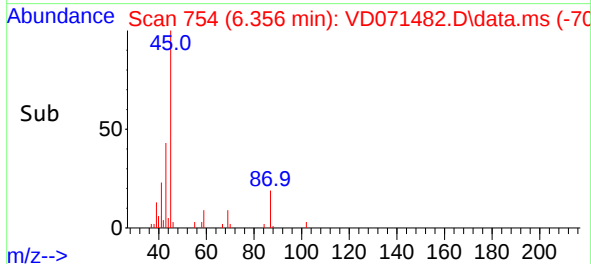
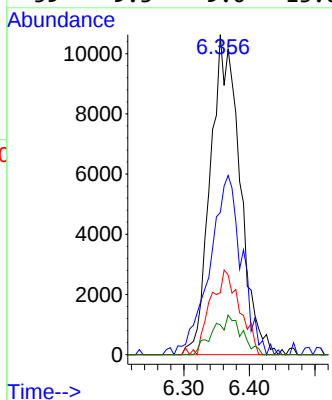


#22
Diisopropyl ether
Concen: 1.654 ug/l
RT: 6.356 min Scan# 755
Delta R.T. -0.011 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Instrument :
MSVOA_D
ClientSampleId :

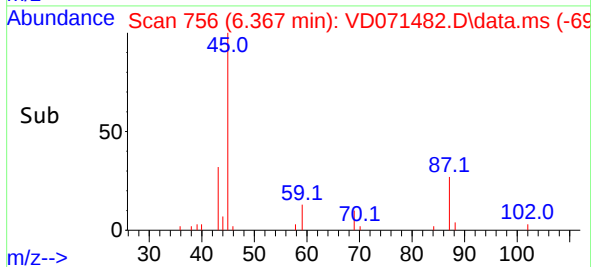
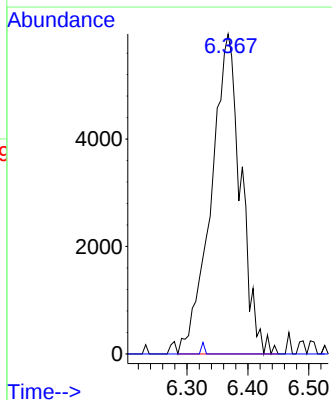
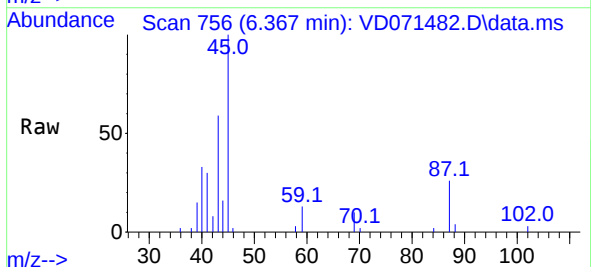


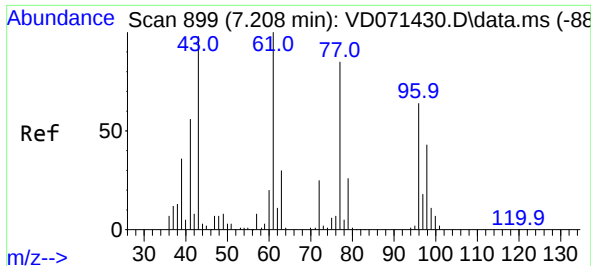
Tgt Ion: 45	Resp: 33227
Ion Ratio	Lower Upper
45 100	
43 42.9	39.6 59.4
87 19.4	21.2 31.8#
59 9.3	9.0 13.6



#23
Vinyl Acetate
Concen: 1.958 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.064 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 43	Resp: 20276
Ion Ratio	Lower Upper
43 100	
86 0.0	8.2 12.4#

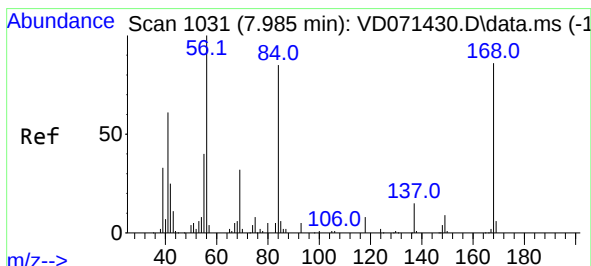
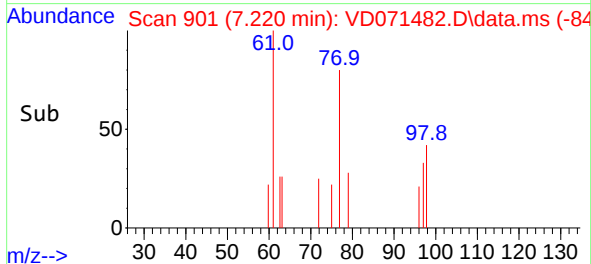
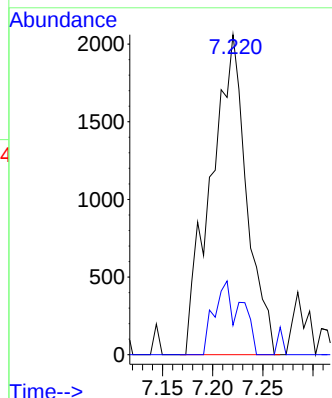
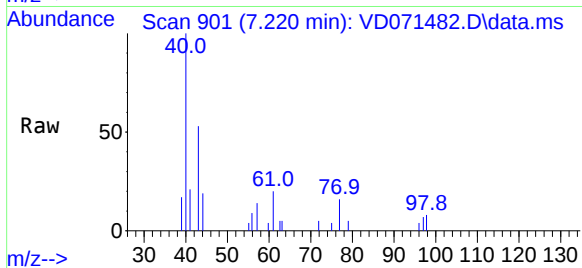




#25
2-Butanone
Concen: 2.557 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

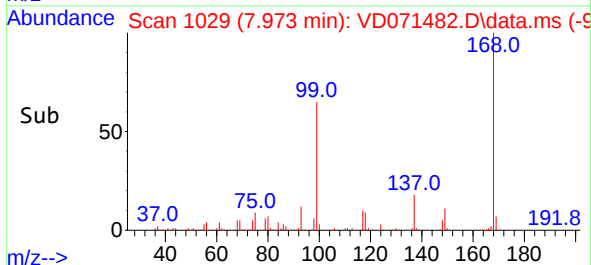
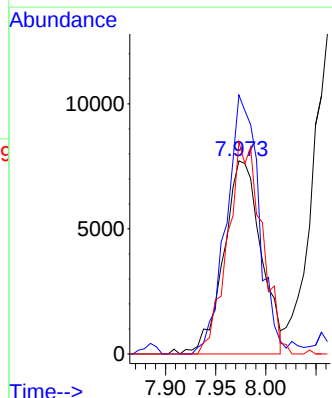
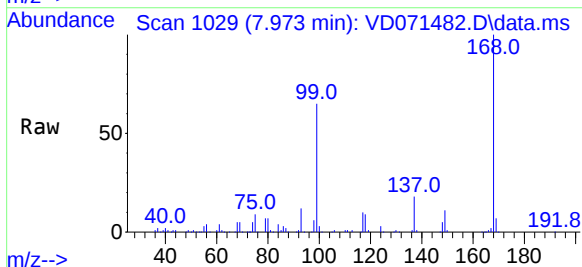
Instrument :
MSVOA_D
ClientSampleId :

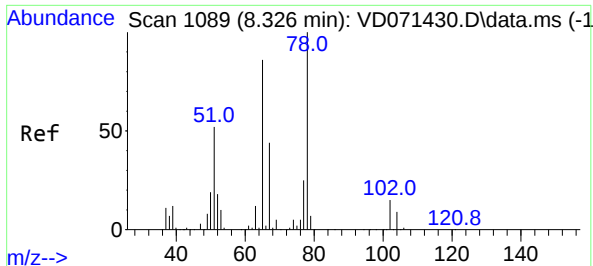
Tgt Ion: 43 Resp: 5104
Ion Ratio Lower Upper
43 100
72 9.2 23.8 35.6#



#31
Cyclohexane
Concen: 1.762 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 56 Resp: 19908
Ion Ratio Lower Upper
56 100
69 134.1 25.9 38.9#
84 109.8 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 37.417 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071482.D

Acq: 27 Dec 2021 13:02

Instrument :

MSVOA_D

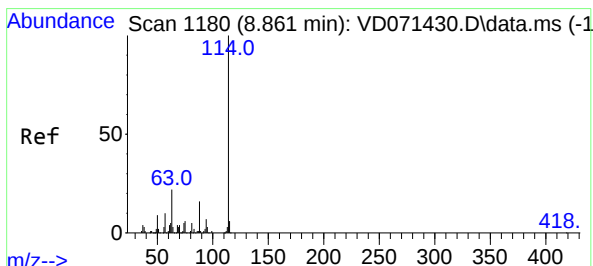
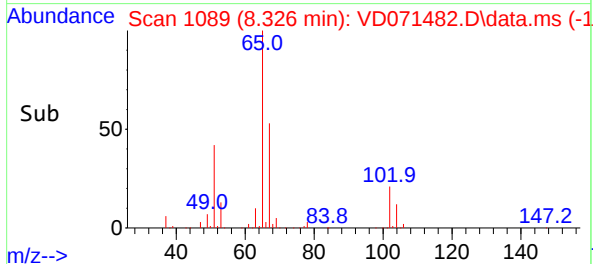
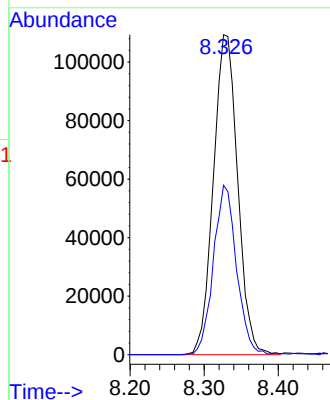
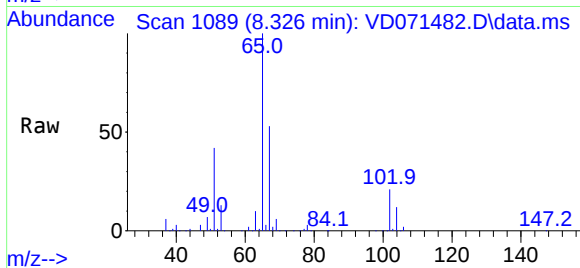
ClientSampleId :

Tgt Ion: 65 Resp: 248899

Ion Ratio Lower Upper

65 100

67 50.4 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: VD071482.D

Acq: 27 Dec 2021 13:02

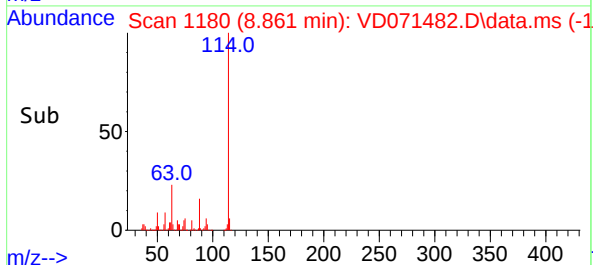
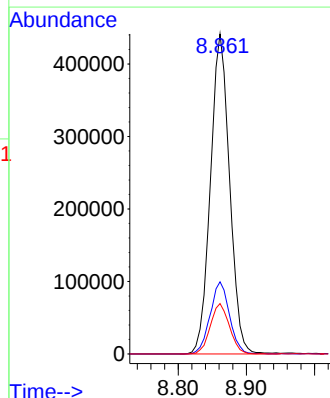
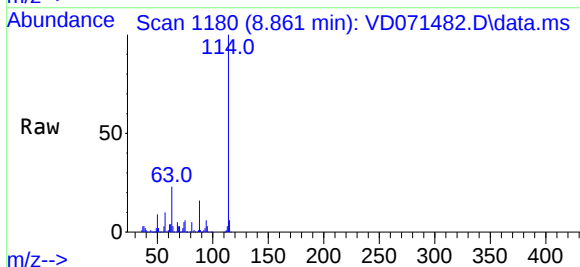
Tgt Ion: 114 Resp: 862050

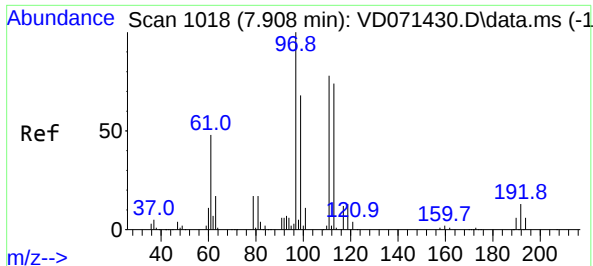
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 44.730 ug/l

RT: 7.914 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD071482.D

Acq: 27 Dec 2021 13:02

Instrument :

MSVOA_D

ClientSampleId :

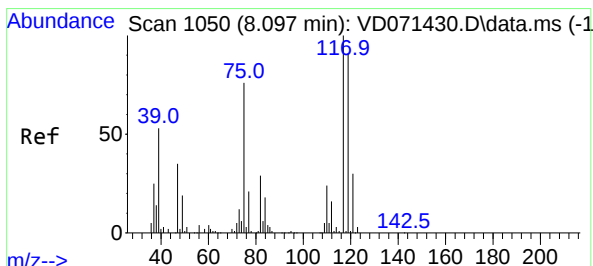
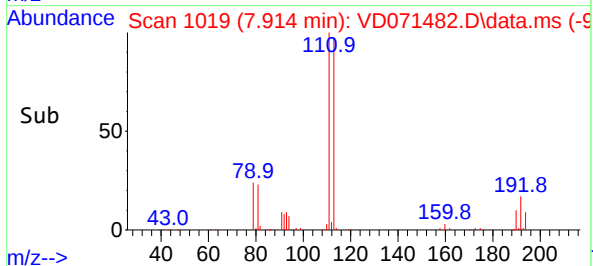
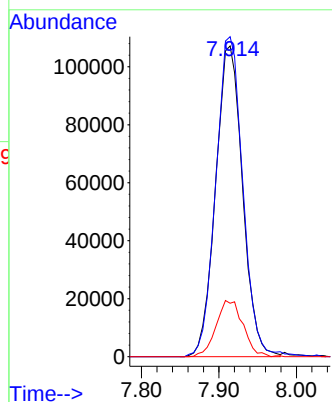
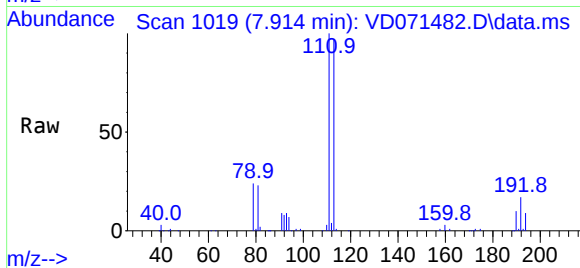
Tgt Ion:113 Resp: 259150

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 18.2 15.2 22.8



#38

Carbon Tetrachloride

Concen: 5.842 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071482.D

Acq: 27 Dec 2021 13:02

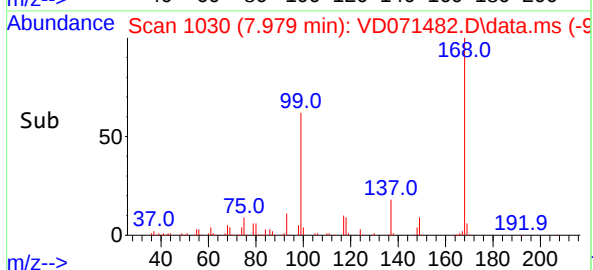
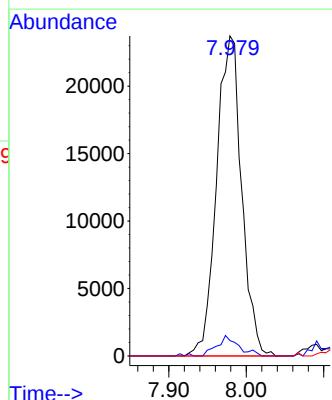
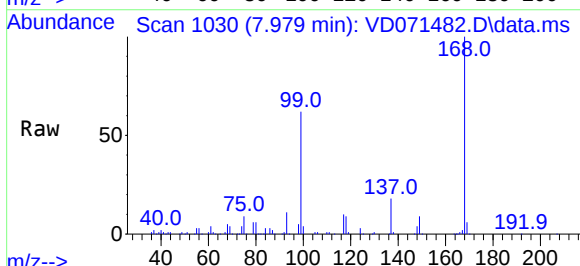
Tgt Ion:117 Resp: 53352

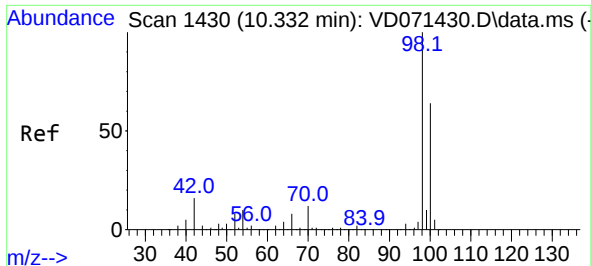
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 0.0 23.6 35.4#

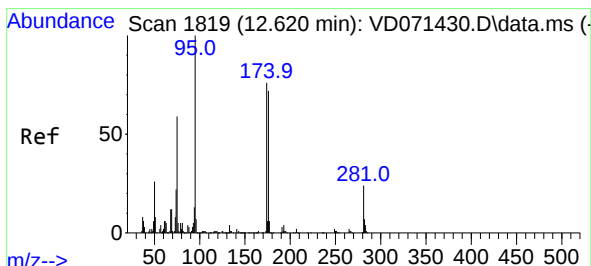
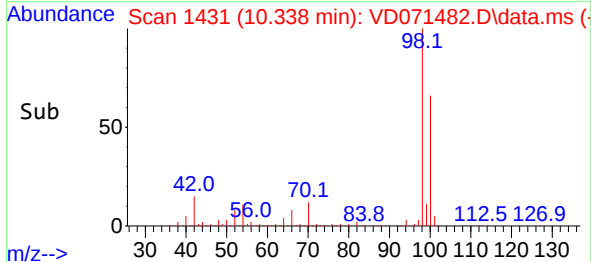
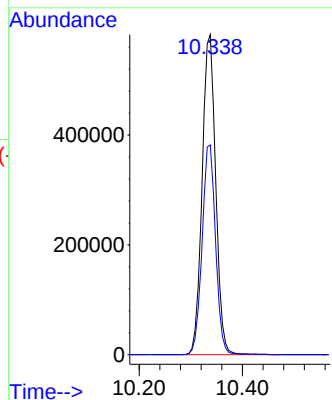
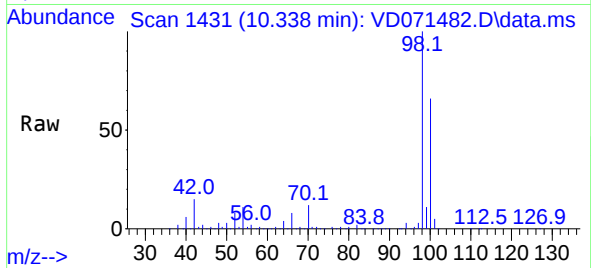




#50
Toluene-d8
Concen: 48.530 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

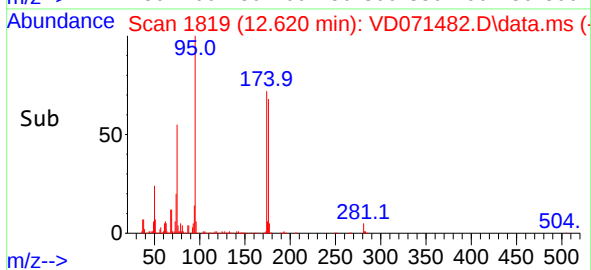
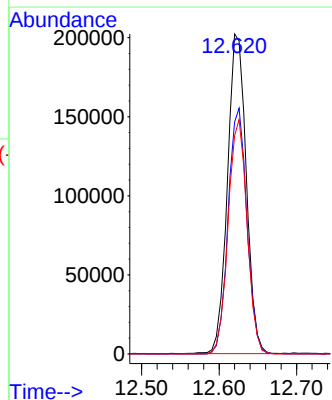
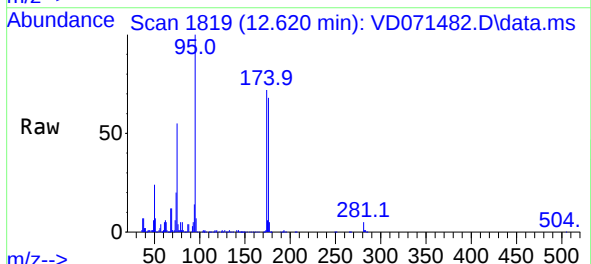
Instrument :
MSVOA_D
ClientSampleId :

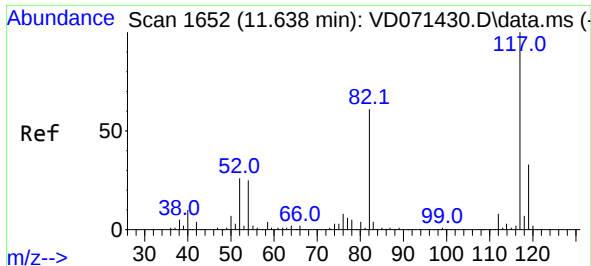
Tgt Ion: 98 Resp: 1062539
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 43.882 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 95 Resp: 341410
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 73.2 0.0 154.0

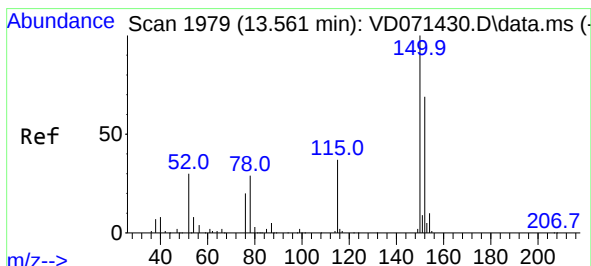
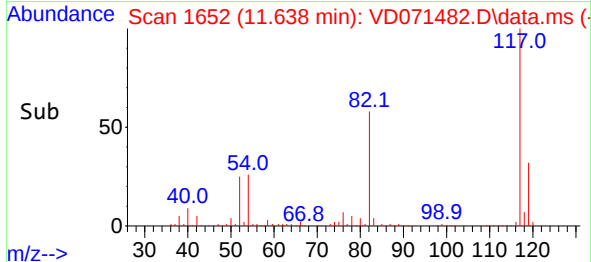
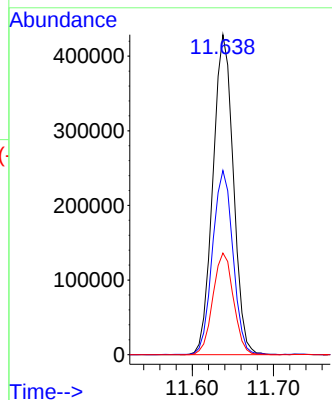
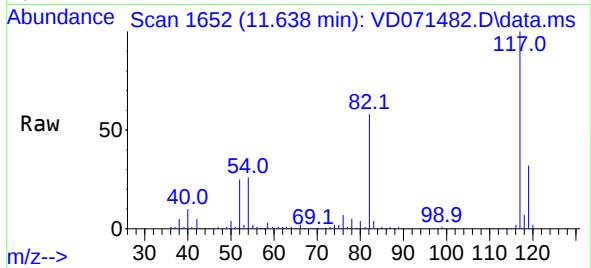




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

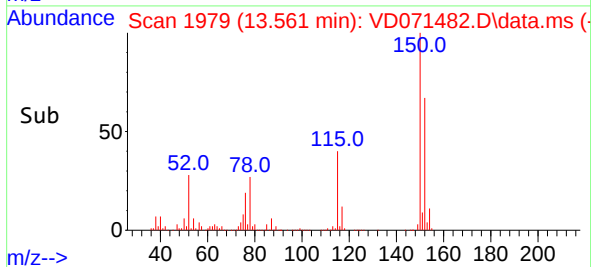
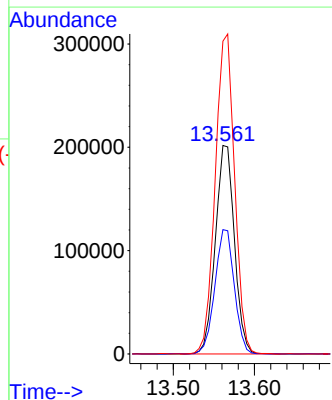
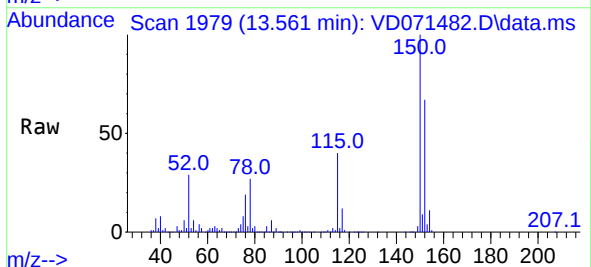
Instrument :
MSVOA_D
ClientSampleId :

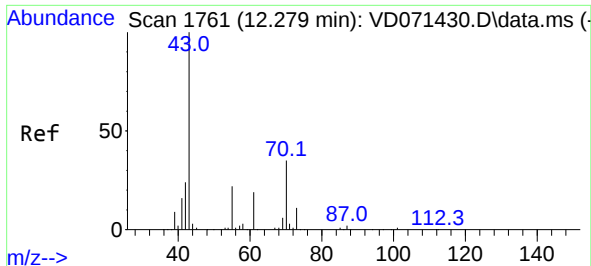
Tgt Ion:117 Resp: 750504
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

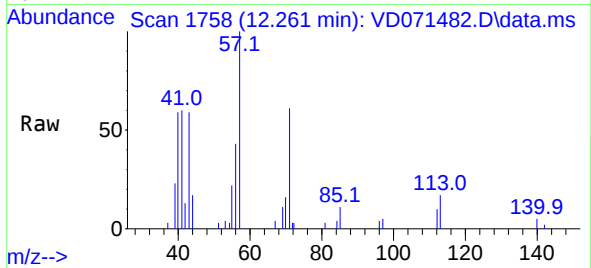
Tgt Ion:152 Resp: 330501
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 155.5 0.0 349.2





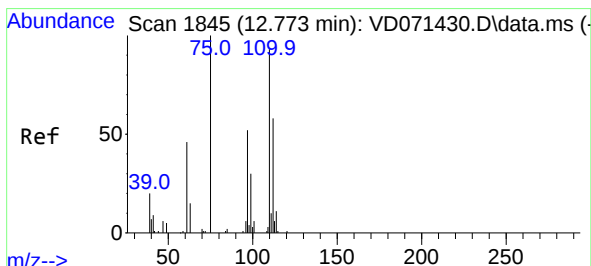
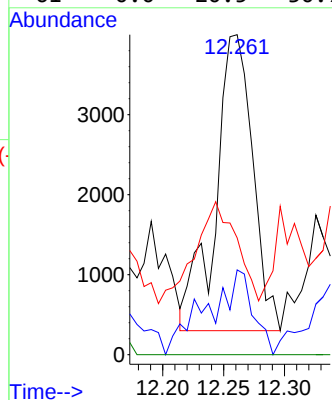
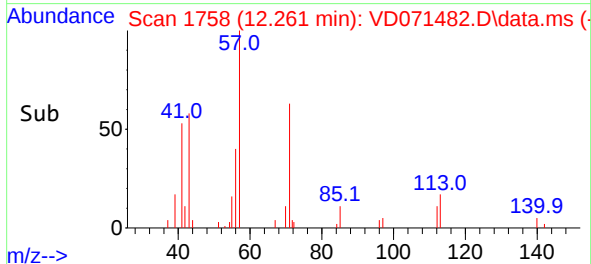
#74
N-amy1 acetate
Concen: 1.154 ug/l
RT: 12.261 min Scan# 1820
Delta R.T. -0.018 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 7887

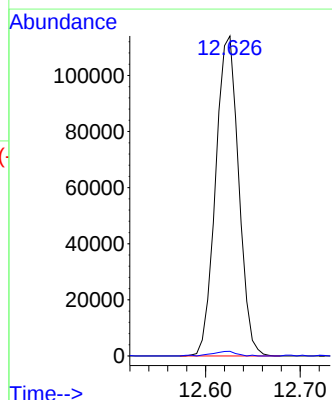
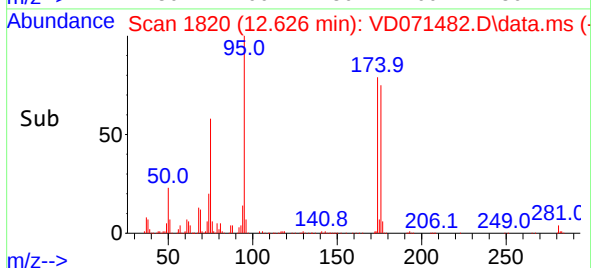
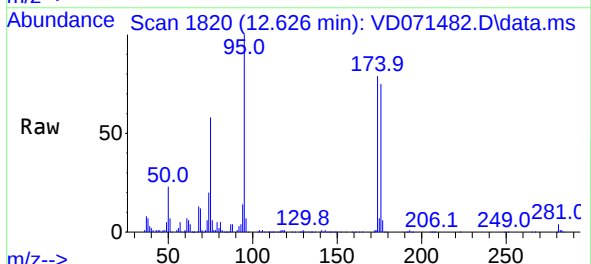
Ion	Ratio	Lower	Upper
43	100		
70	20.9	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#

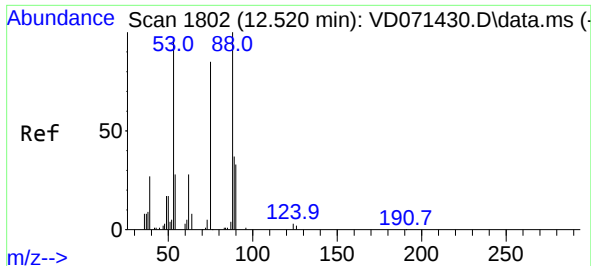


#76
1,2,3-Trichloropropane
Concen: 49.131 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Tgt Ion: 75 Resp: 192934

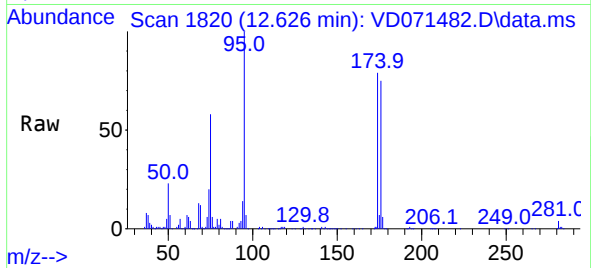
Ion	Ratio	Lower	Upper
75	100		
77	1.5	158.4	475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 138.821 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071482.D
Acq: 27 Dec 2021 13:02

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 192934
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

