

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111921\
 Data File : VY006826.D
 Acq On : 19 Nov 2021 13:35
 Operator : SY/MD
 Sample : M4577-03
 Misc : 6.45G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 18:16:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111521S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 16 04:20:03 2021
 Response via : Initial Calibration

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

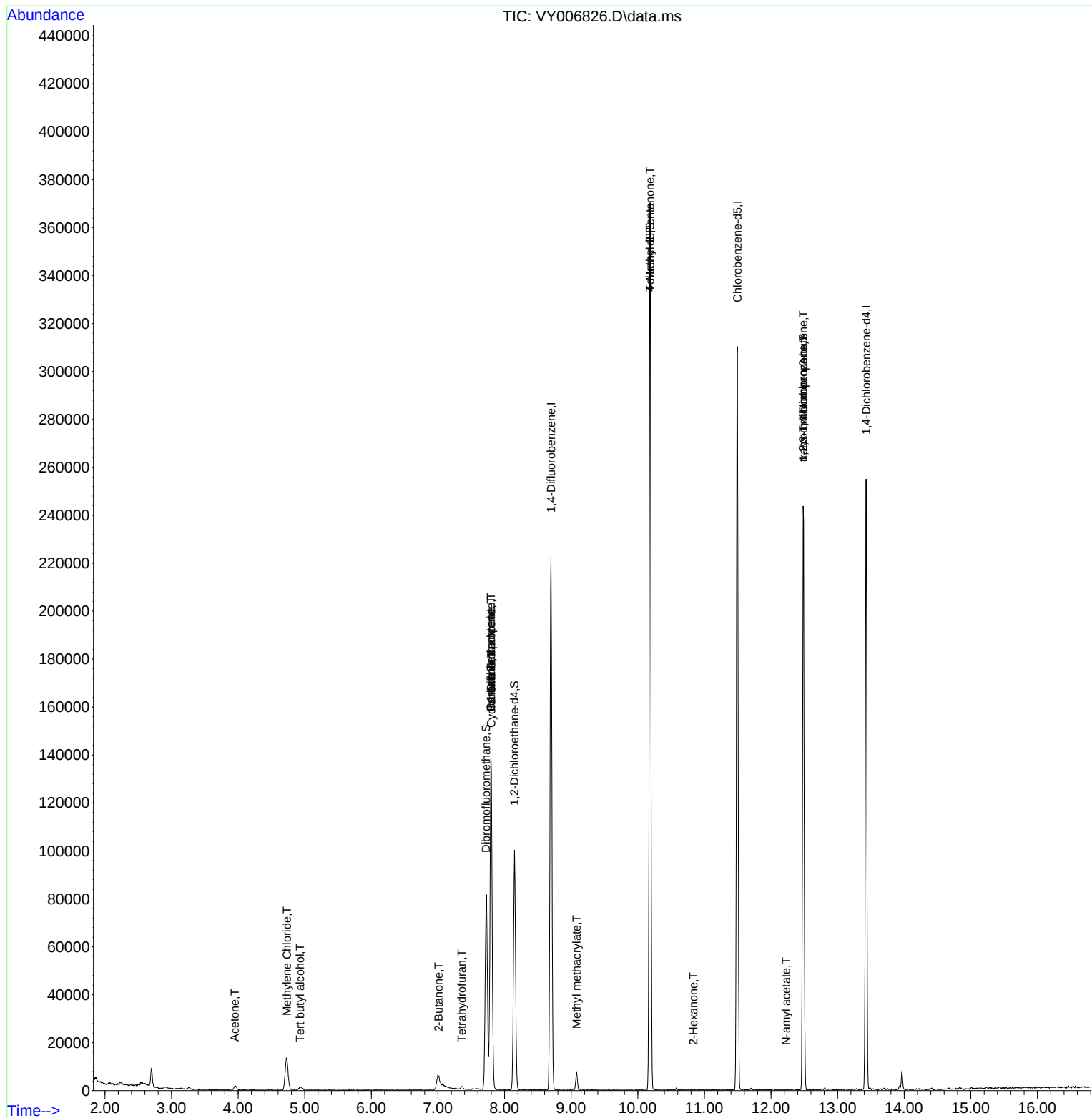
Internal Standards						
1) Pentafluorobenzene	7.795	168	101750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	172897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	154838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78102	58.567	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.140%	
35) Dibromofluoromethane	7.722	113	54173	51.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.020%	
50) Toluene-d8	10.185	98	221614	50.428	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.483	95	63251	42.692	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1009	5.031	ug/l #	72
16) Acetone	3.948	43	3326	8.209	ug/l	99
20) Methylene Chloride	4.735	84	8715	4.060	ug/l #	93
25) 2-Butanone	7.009	43	585	12.448	ug/l #	52
29) Tetrahydrofuran	7.356	42	835	2.483	ug/l #	83
31) Cyclohexane	7.801	56	2696	1.150	ug/l #	18
36) 1,1-Dichloropropene	7.795	75	9116	4.851	ug/l #	50
38) Carbon Tetrachloride	7.795	117	10005	5.205	ug/l #	17
48) Methyl methacrylate	9.082	41	1931	1.729	ug/l #	38
51) 4-Methyl-2-Pentanone	10.185	43	1258	1.013	ug/l #	1
59) 2-Hexanone	10.837	43	60	23.876	ug/l #	28
74) N-amyl acetate	12.227	43	50	3.183	ug/l #	47
76) 1,2,3-Trichloropropane	12.483	75	36977	56.207	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	36977	111.373	ug/l #	7

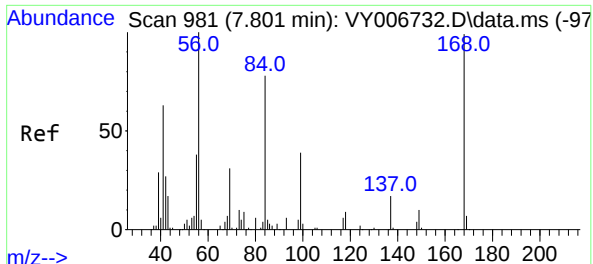
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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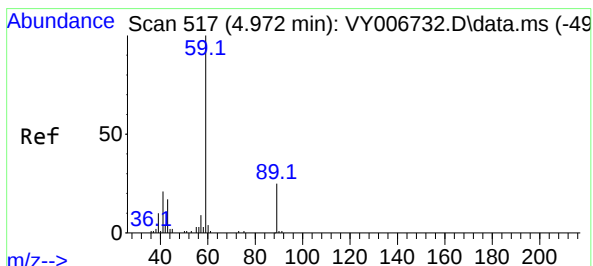
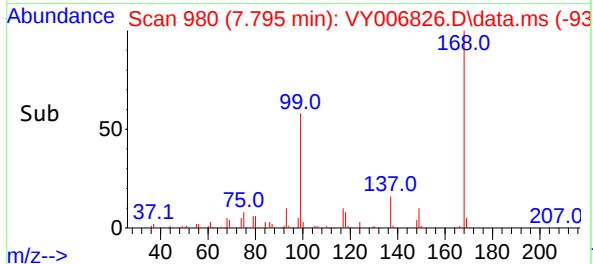
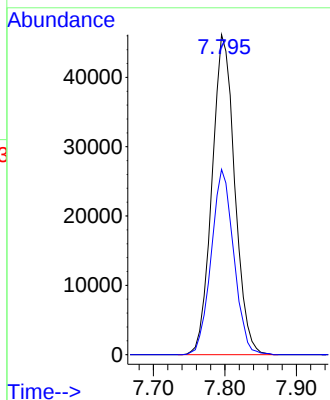
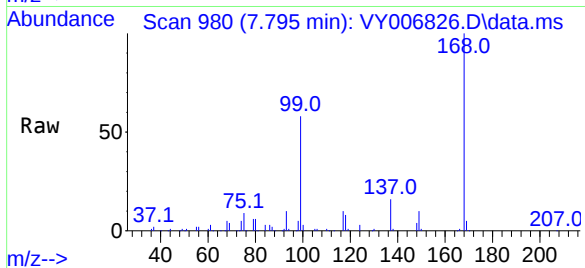




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

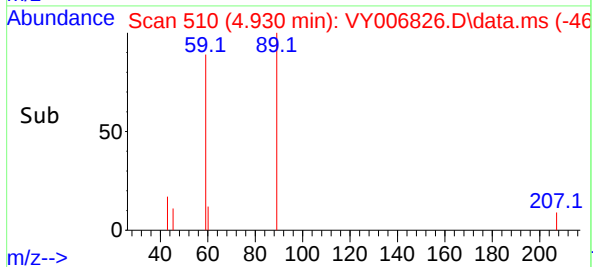
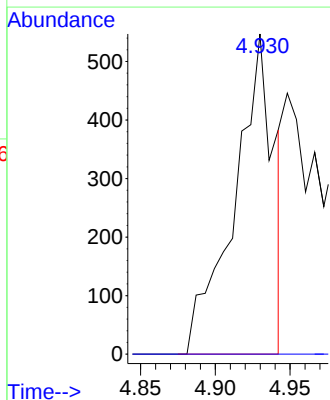
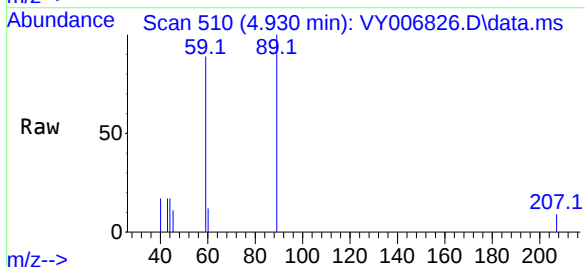
Instrument :
MSVOA_Y
ClientSampleId :

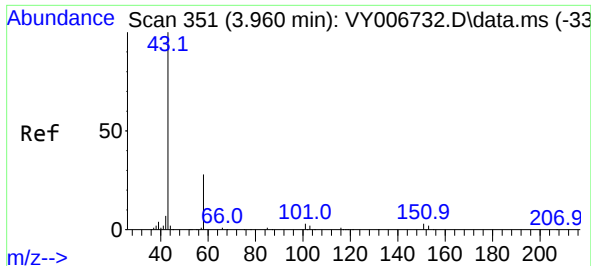
Tgt Ion:168 Resp: 101750
Ion Ratio Lower Upper
168 100
99 57.9 44.8 67.2



#11
Tert butyl alcohol
Concen: 5.031 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.042 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

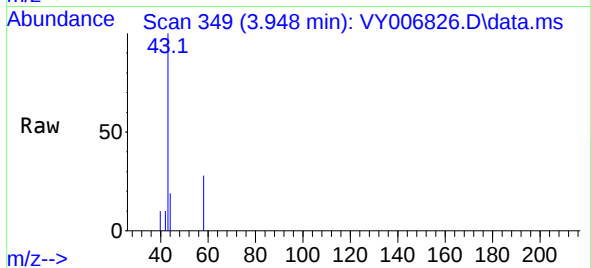
Tgt Ion: 59 Resp: 1009
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



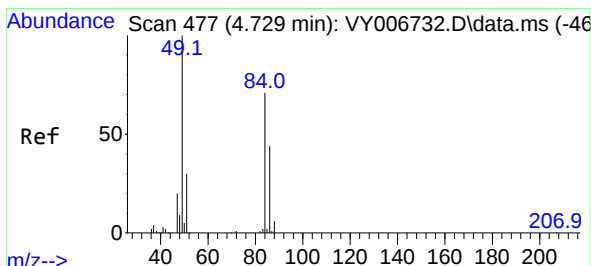
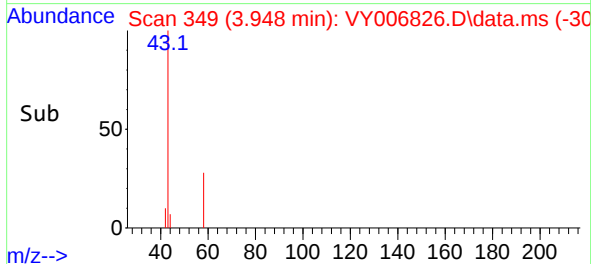
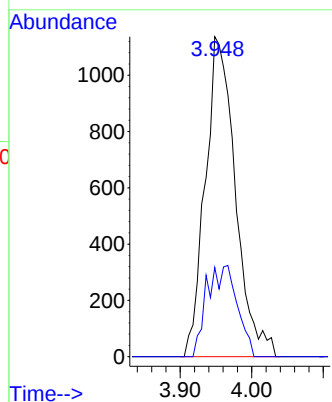


#16
Acetone
Concen: 8.209 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Instrument :
MSVOA_Y
ClientSampleId :

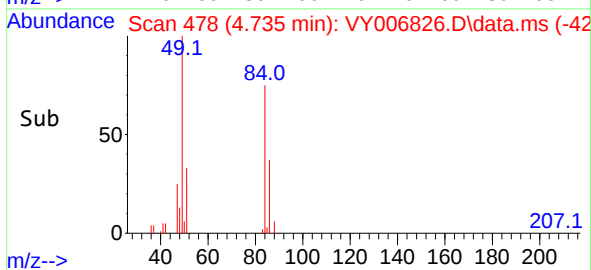
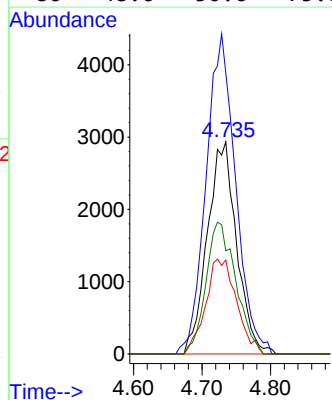
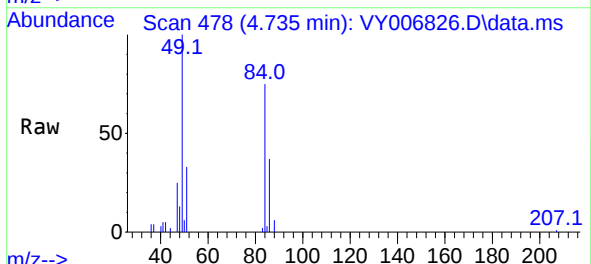


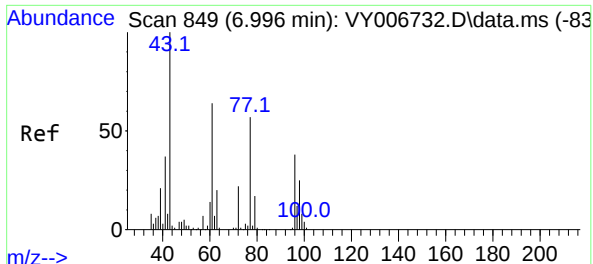
Tgt Ion: 43 Resp: 3326
Ion Ratio Lower Upper
43 100
58 27.9 22.9 34.3



#20
Methylene Chloride
Concen: 4.060 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Tgt Ion: 84 Resp: 8715
Ion Ratio Lower Upper
84 100
49 132.5 107.8 161.8
51 44.3 32.8 49.2
86 48.6 50.6 75.8#





#25

2-Butanone

Concen: 12.448 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.013 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

Instrument :

MSVOA_Y

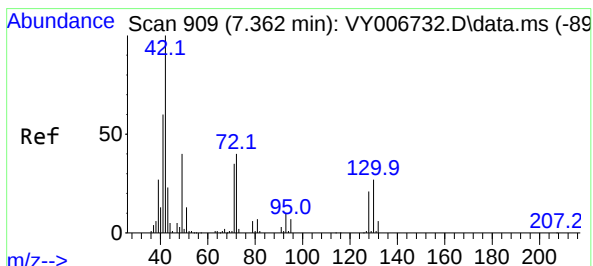
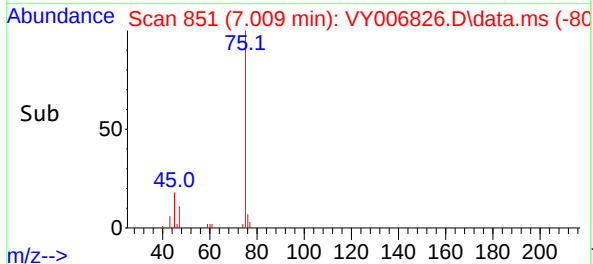
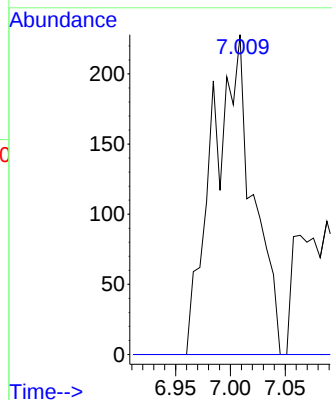
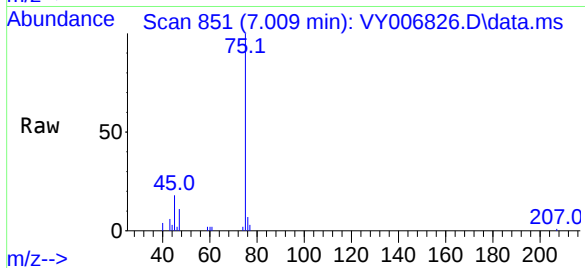
ClientSampleId :

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

72 0.0 18.9 28.3#



#29

Tetrahydrofuran

Concen: 2.483 ug/l

RT: 7.356 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

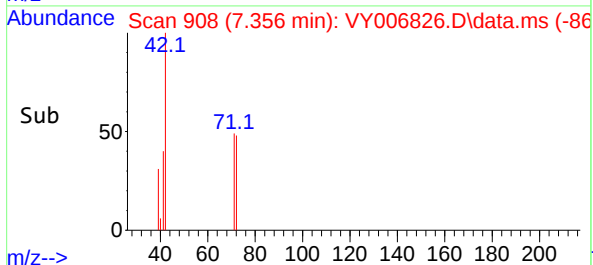
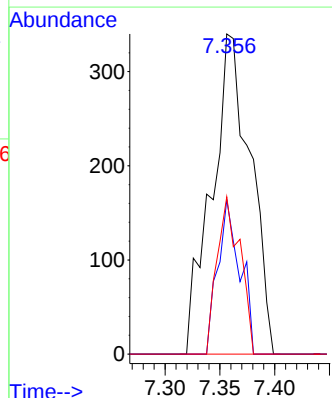
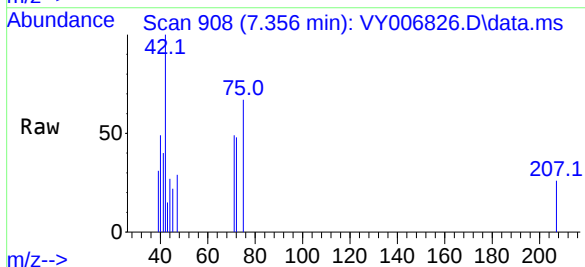
Tgt Ion: 42 Resp: 835

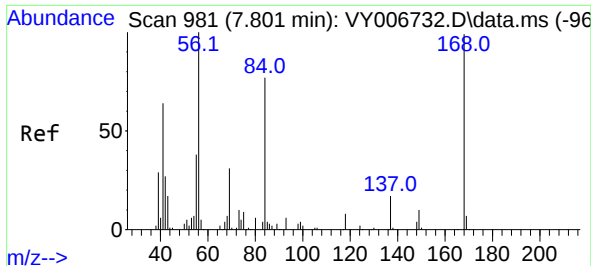
Ion Ratio Lower Upper

42 100

72 27.8 32.0 48.0#

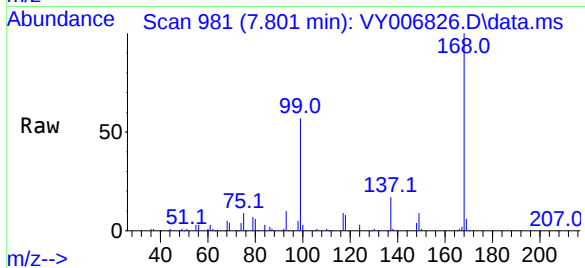
71 29.2 30.3 45.5#



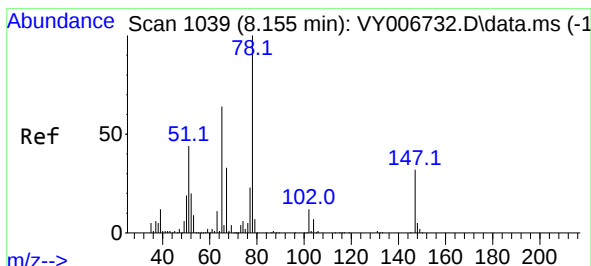
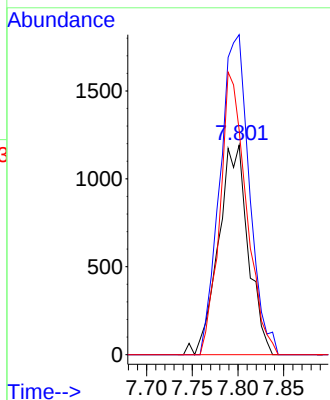
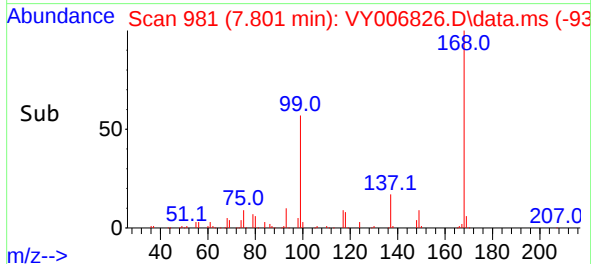


#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Instrument :
MSVOA_Y
ClientSampleId :

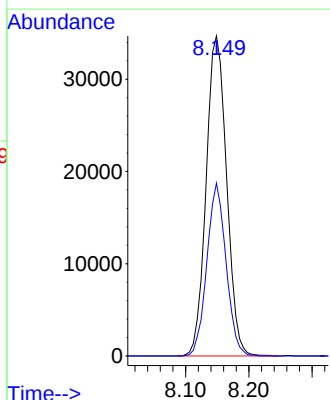
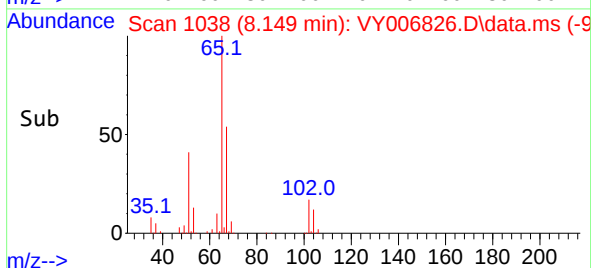
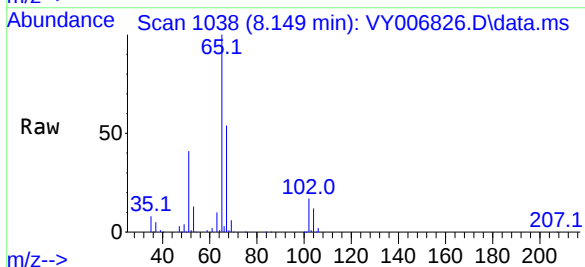


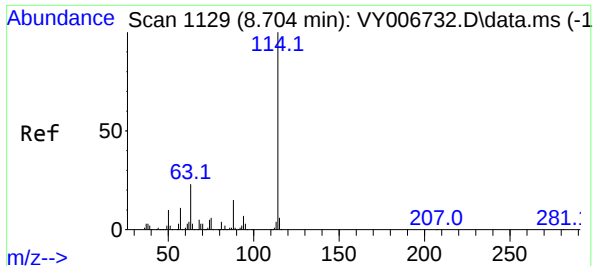
Tgt Ion: 56 Resp: 2696
Ion Ratio Lower Upper
56 100
69 152.7 26.6 40.0#
84 107.1 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 58.567 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Tgt Ion: 65 Resp: 78102
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

Instrument :

MSVOA_Y

ClientSampleId :

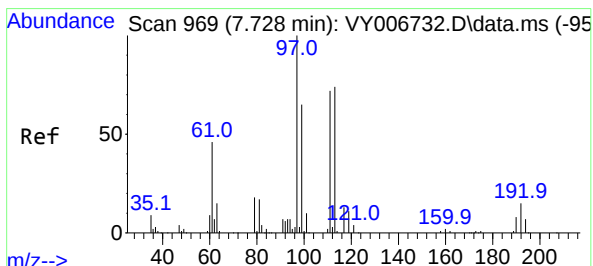
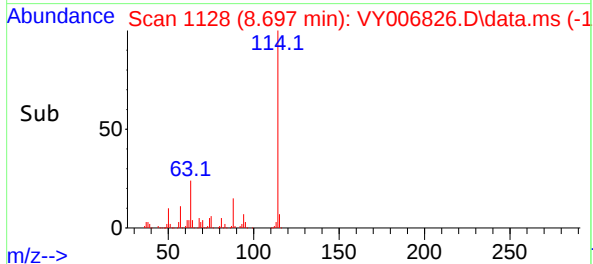
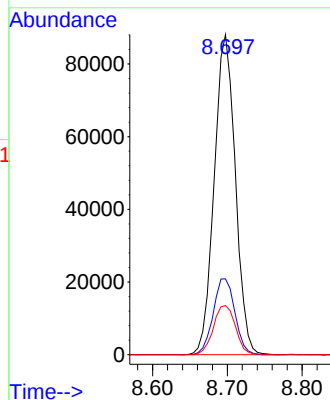
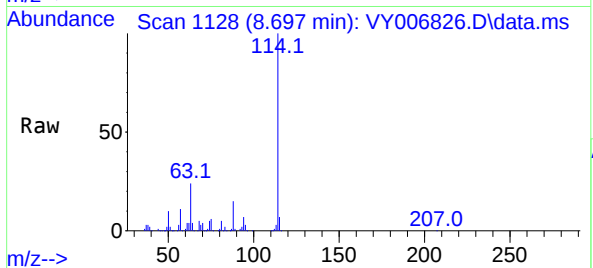
Tgt Ion:114 Resp: 172897

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.0

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.010 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

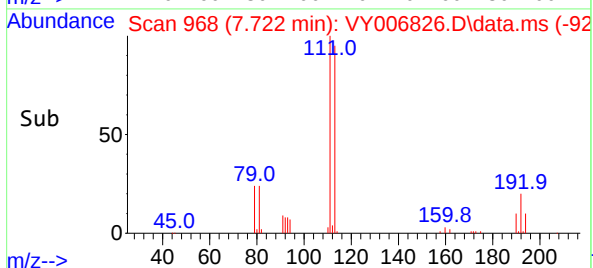
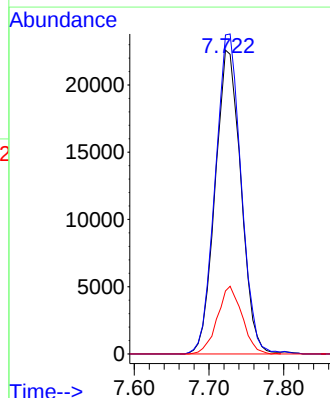
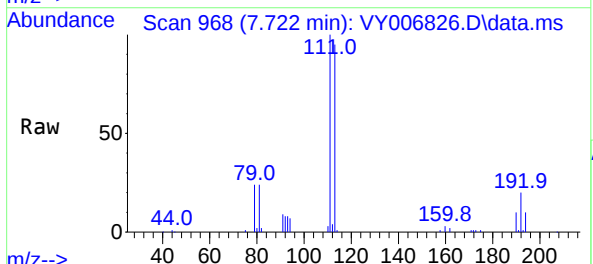
Tgt Ion:113 Resp: 54173

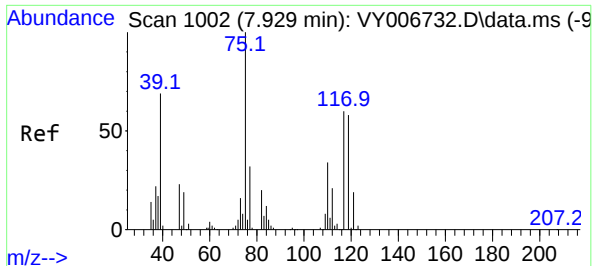
Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

192 21.4 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.851 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY006826.D

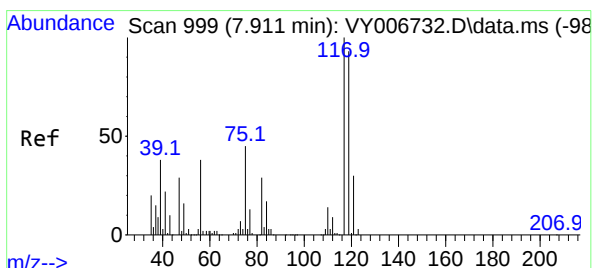
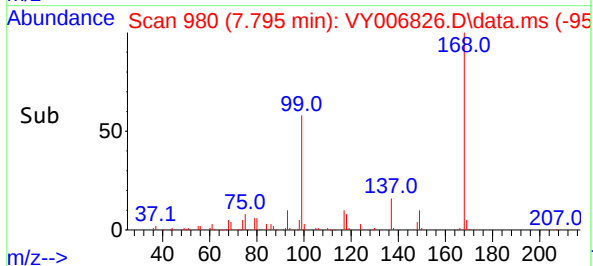
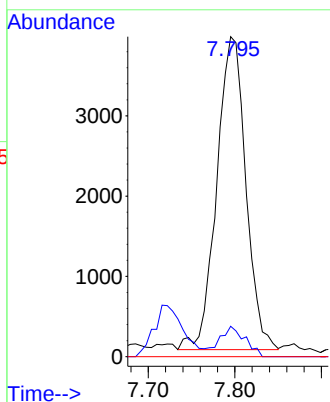
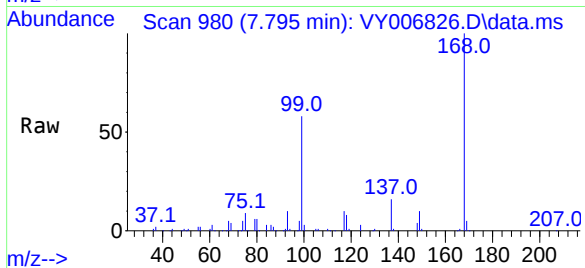
Acq: 19 Nov 2021 13:35

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	9116
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.1	51.3#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 5.205 ug/l

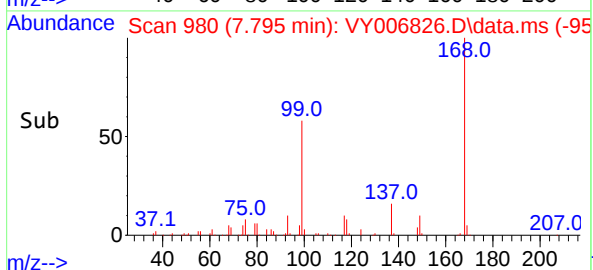
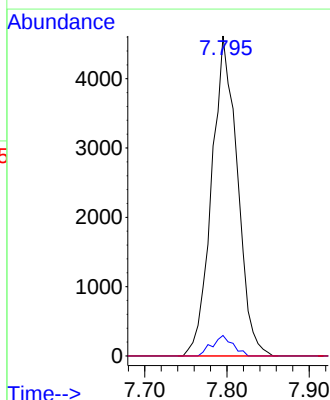
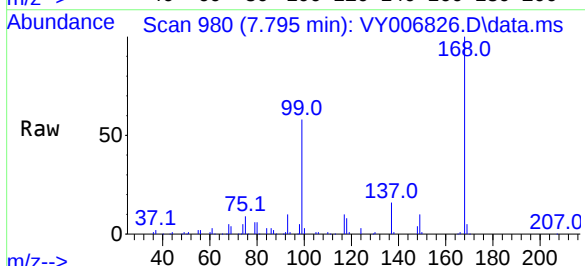
RT: 7.795 min Scan# 980

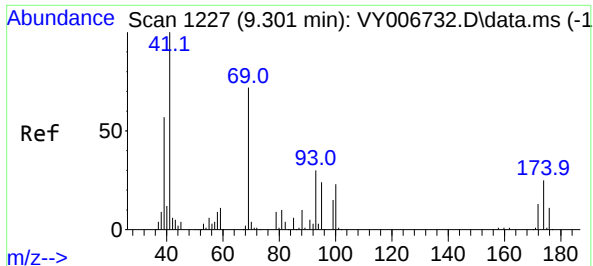
Delta R.T. -0.116 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

Tgt Ion:	117	Resp:	10005
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.6	115.0#
121	0.0	24.7	37.1#





#48

Methyl methacrylate

Concen: 1.729 ug/l

RT: 9.082 min Scan# 1191

Delta R.T. -0.219 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

Instrument :

MSVOA_Y

ClientSampleId :

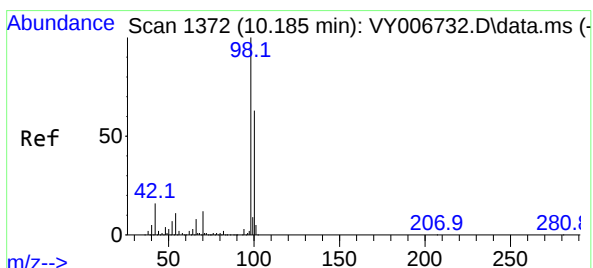
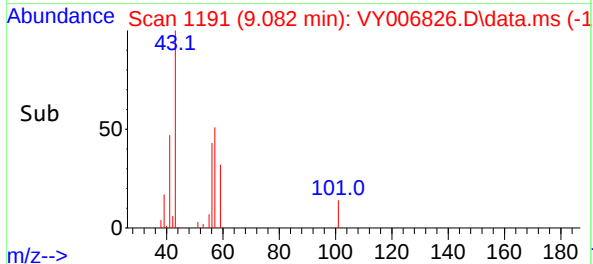
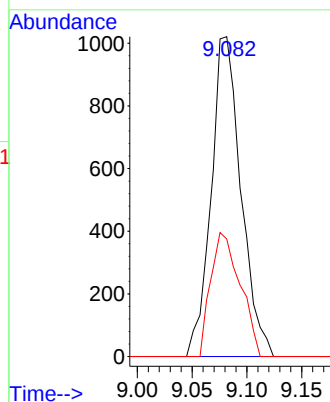
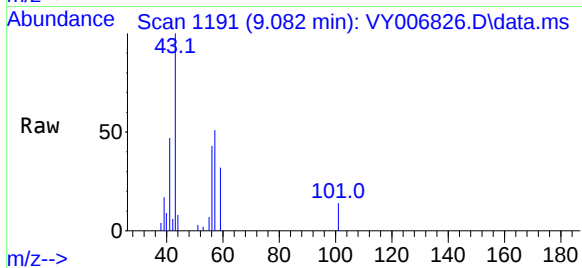
Tgt Ion: 41 Resp: 1931

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 38.3 48.2 72.2#



#50

Toluene-d8

Concen: 50.428 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY006826.D

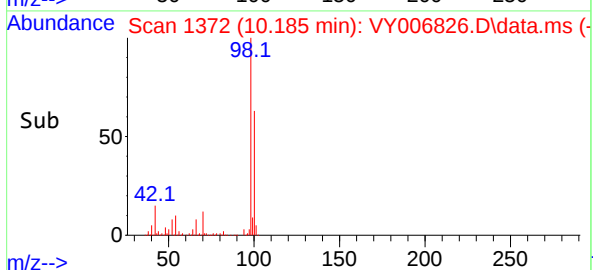
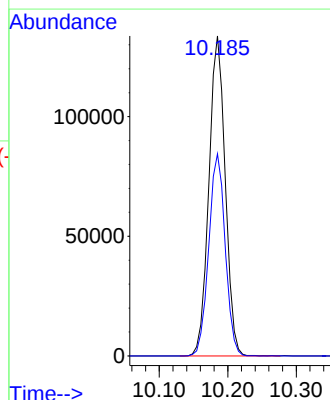
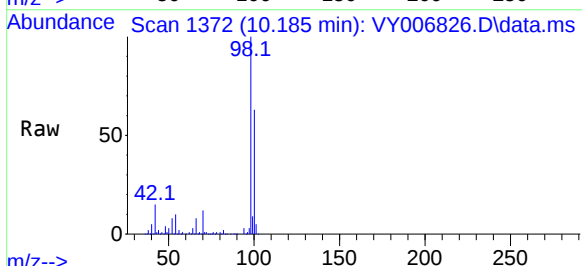
Acq: 19 Nov 2021 13:35

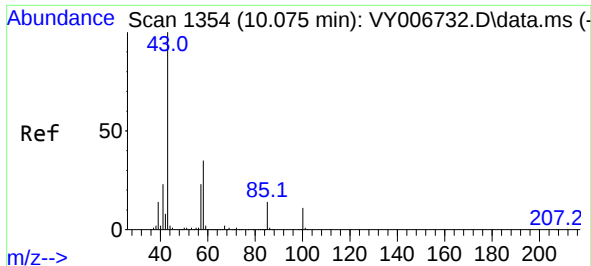
Tgt Ion: 98 Resp: 221614

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.013 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY006826.D

Acq: 19 Nov 2021 13:35

Instrument :

MSVOA_Y

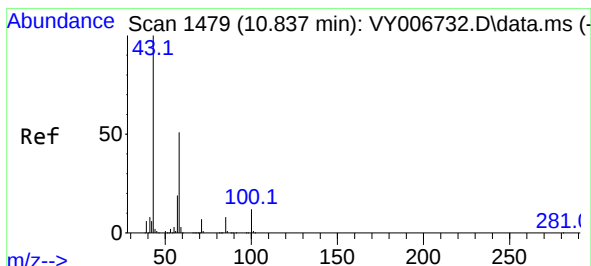
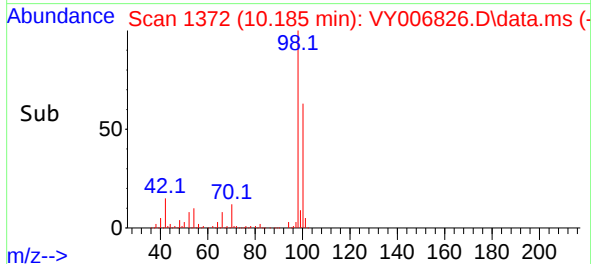
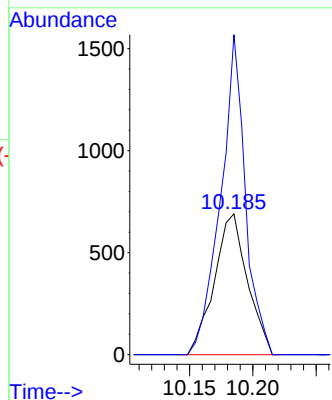
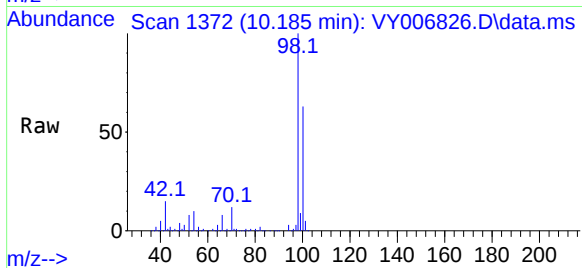
ClientSampleId :

Tgt Ion: 43 Resp: 1258

Ion Ratio Lower Upper

43 100

58 170.0 28.7 43.1#



#59

2-Hexanone

Concen: 23.876 ug/l

RT: 10.837 min Scan# 1479

Delta R.T. 0.000 min

Lab File: VY006826.D

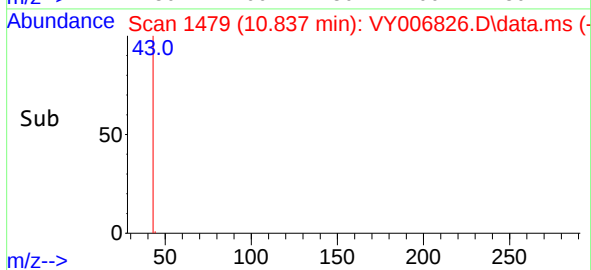
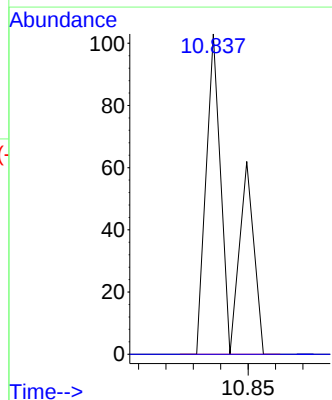
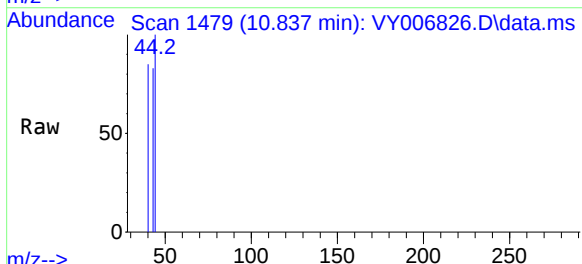
Acq: 19 Nov 2021 13:35

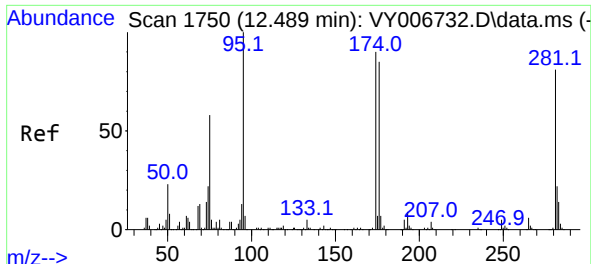
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.6#

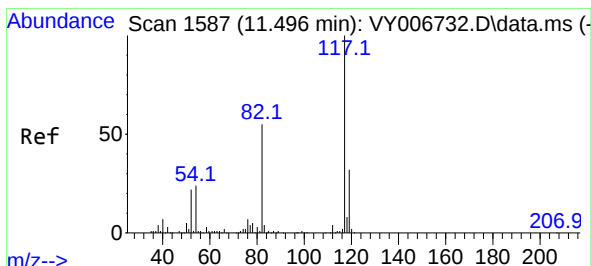
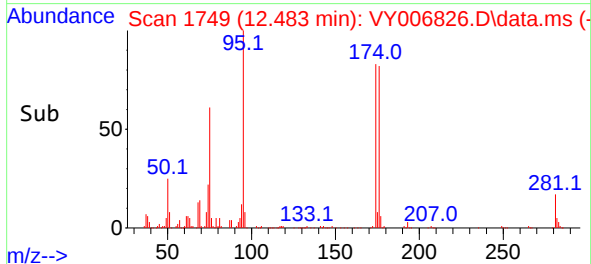
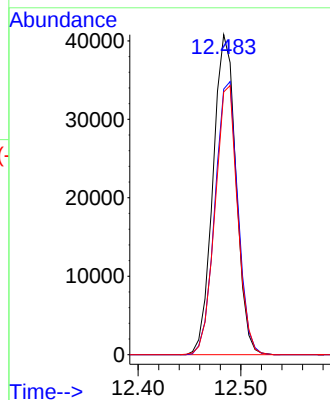
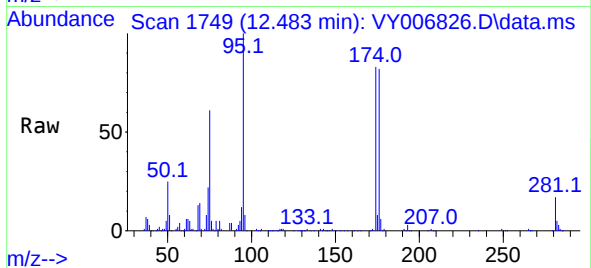




#62
4-Bromofluorobenzene
Concen: 42.692 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

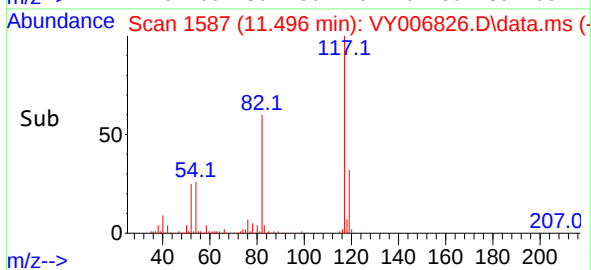
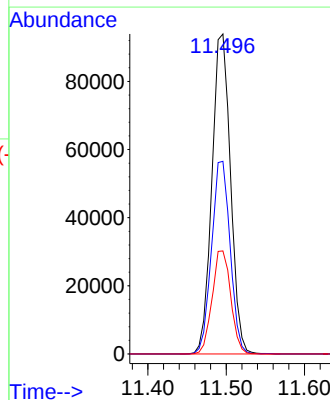
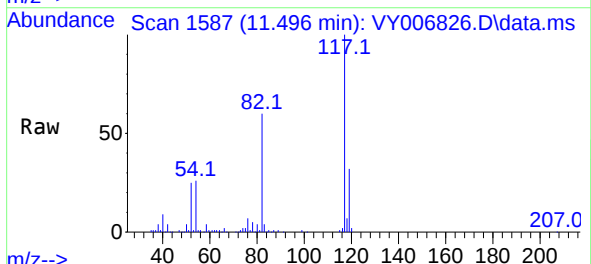
Instrument :
MSVOA_Y
ClientSampleId :

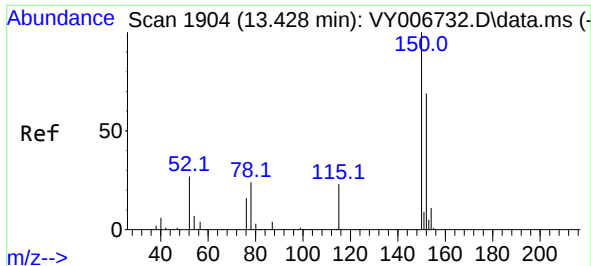
Tgt Ion: 95 Resp: 63251
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.4 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

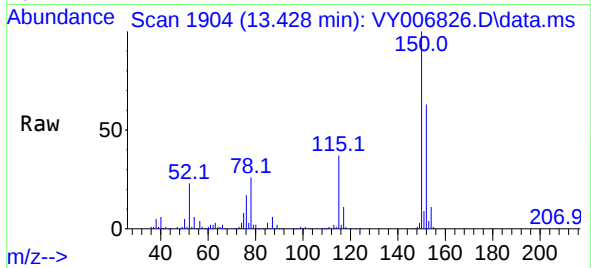
Tgt Ion: 117 Resp: 154838
Ion Ratio Lower Upper
117 100
82 60.2 45.7 68.5
119 32.2 25.5 38.3



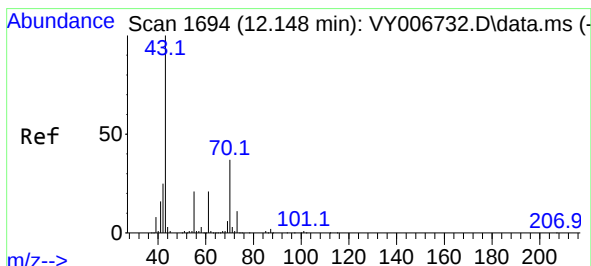
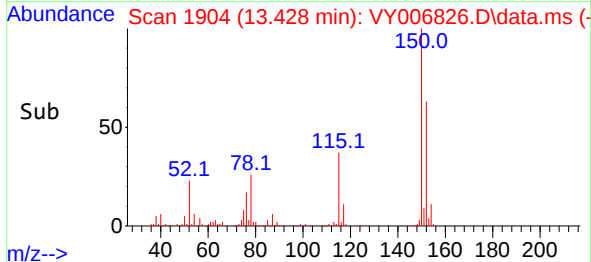
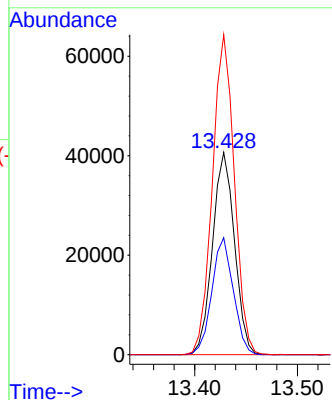


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Instrument :
MSVOA_Y
ClientSampleId :

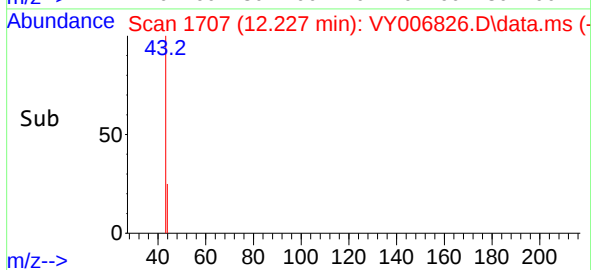
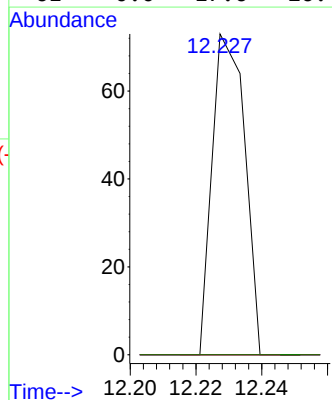
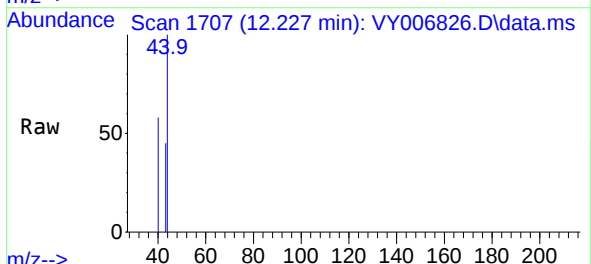


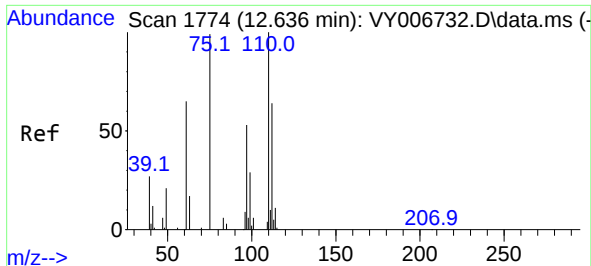
Tgt Ion:152 Resp: 60509
Ion Ratio Lower Upper
152 100
115 56.5 28.5 85.5
150 157.7 0.0 348.2



#74
N-ethyl acetate
Concen: 3.183 ug/l
RT: 12.227 min Scan# 1707
Delta R.T. 0.079 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.0#
55 0.0 18.1 27.1#
61 0.0 17.6 26.4#

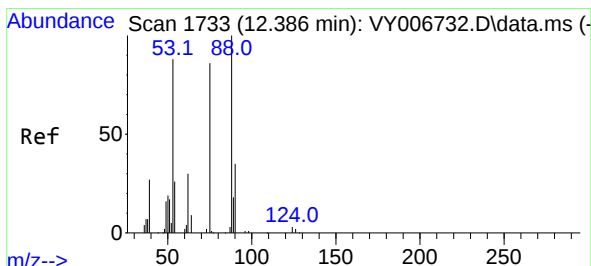
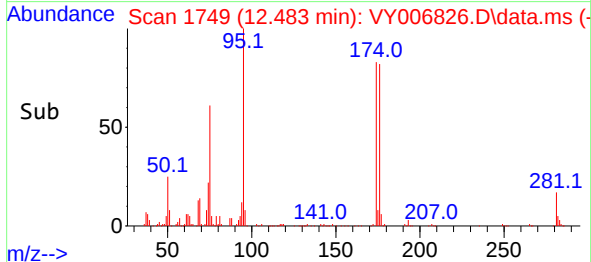
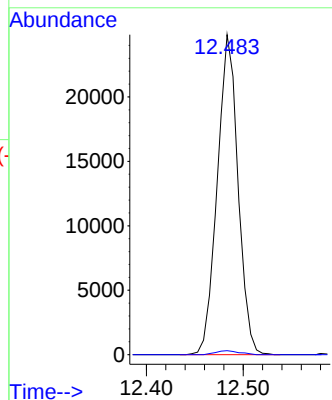
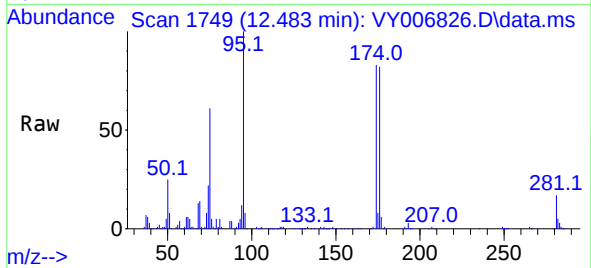




#76
1,2,3-Trichloropropane
Concen: 56.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36977
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.373 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY006826.D
Acq: 19 Nov 2021 13:35

Tgt Ion: 75 Resp: 36977
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.3 39.3 58.9#

