

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110821\
 Data File : VY006694.D
 Acq On : 08 Nov 2021 20:39
 Operator : SY/MD
 Sample : M4523-04
 Misc : 4.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 09 13:09:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

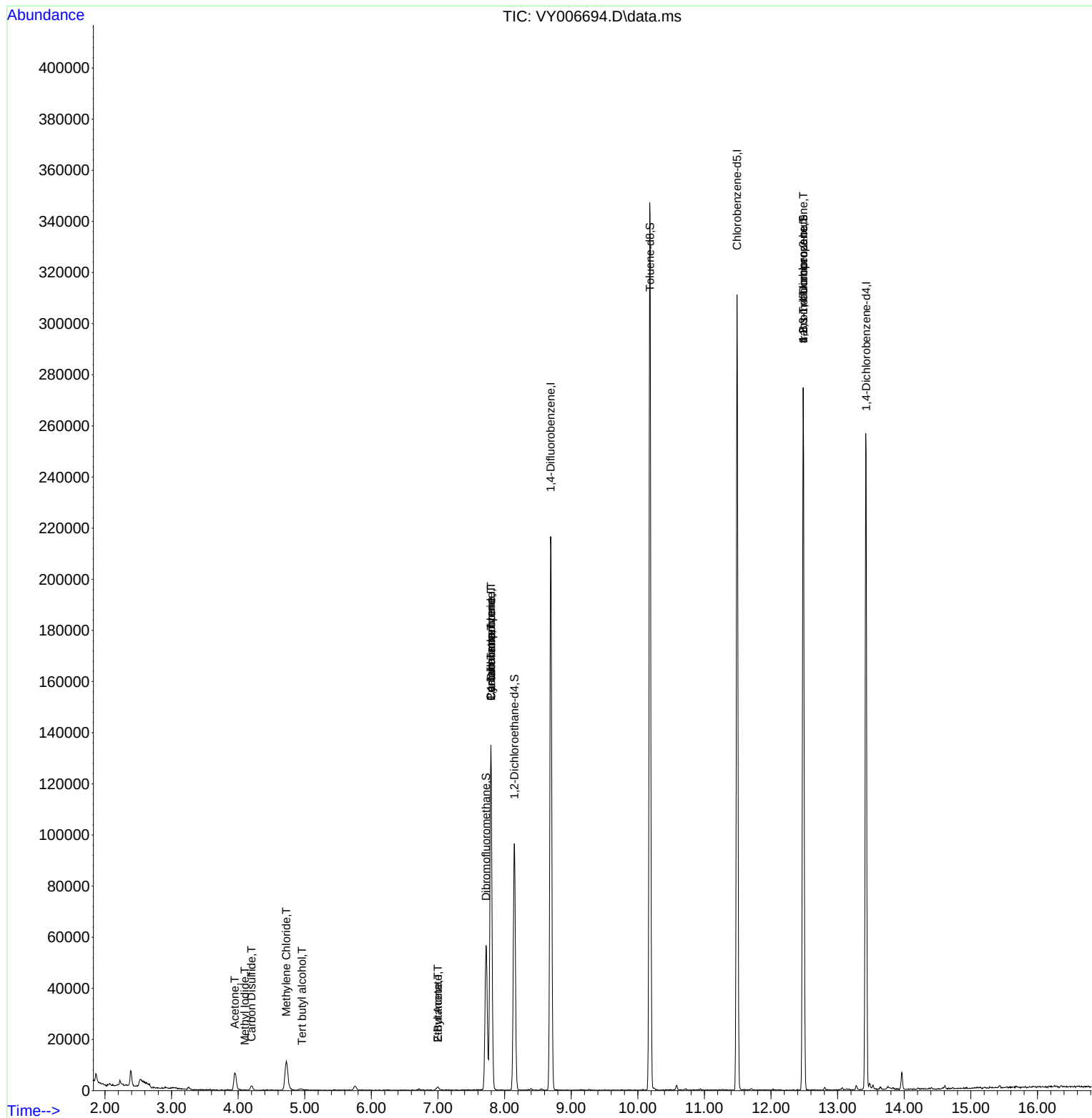
Internal Standards						
1) Pentafluorobenzene	7.795	168	99052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	170204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	152281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77226	63.357	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.720%	
35) Dibromofluoromethane	7.722	113	37941	39.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.980%	
50) Toluene-d8	10.185	98	217139	53.994	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.483	95	63286	46.716	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.440%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	254	5.294	ug/l #	36
11) Tert butyl alcohol	4.960	59	392	3.540	ug/l #	72
16) Acetone	3.948	43	12423	35.395	ug/l	97
17) Carbon Disulfide	4.198	76	3259	1.111	ug/l #	91
20) Methylene Chloride	4.722	84	7984	3.589	ug/l	97
25) 2-Butanone	6.996	43	1961	4.265	ug/l	95
31) Cyclohexane	7.795	56	2540	1.287	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	8372	4.978	ug/l #	51
37) Ethyl Acetate	6.996	43	1961	1.842	ug/l #	72
38) Carbon Tetrachloride	7.795	117	9775	5.269	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	35030	51.771	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35030	106.285	ug/l #	7

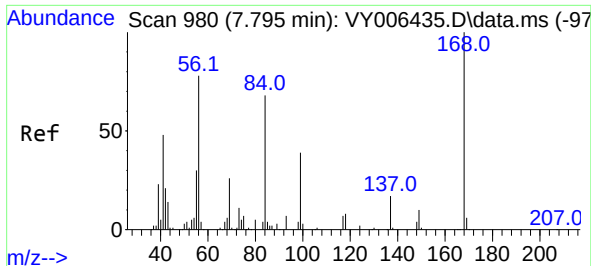
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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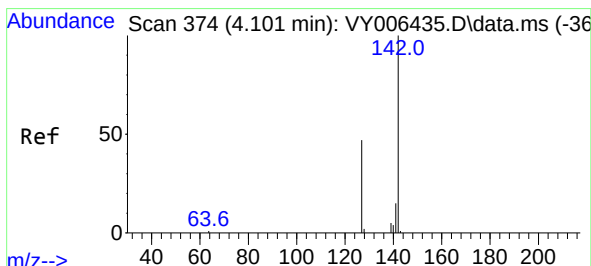
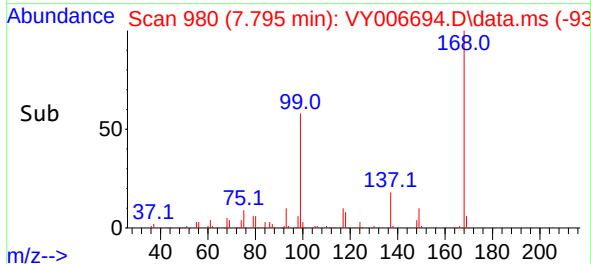
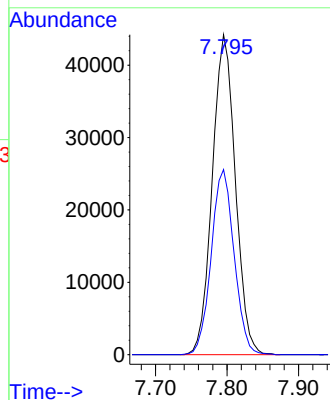
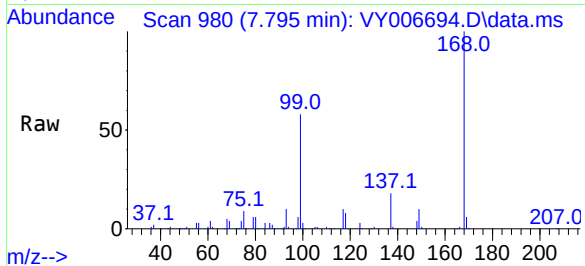




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

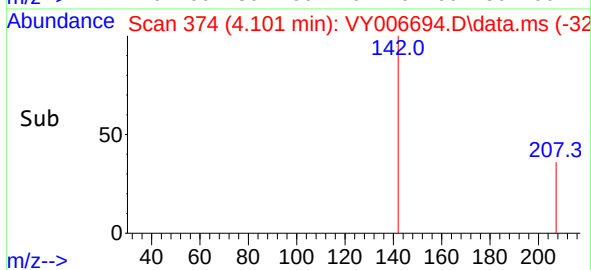
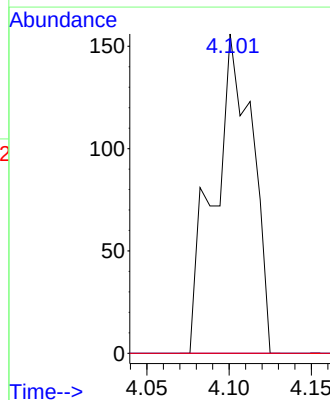
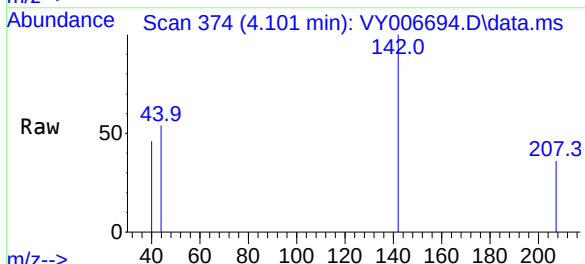
Instrument :
MSVOA_Y
ClientSampleId :

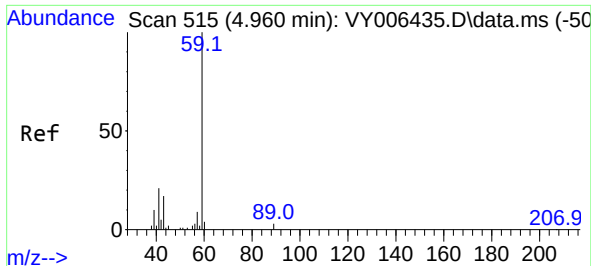
Tgt Ion:168 Resp: 99052
Ion Ratio Lower Upper
168 100
99 57.9 44.8 67.2



#10
Methyl Iodide
Concen: 5.294 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion:142 Resp: 254
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 3.540 ug/l

RT: 4.960 min Scan# 515

Delta R.T. -0.000 min

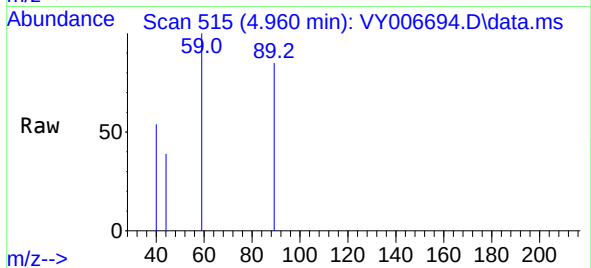
Lab File: VY006694.D

Acq: 08 Nov 2021 20:39

Instrument :

MSVOA_Y

ClientSampleId :

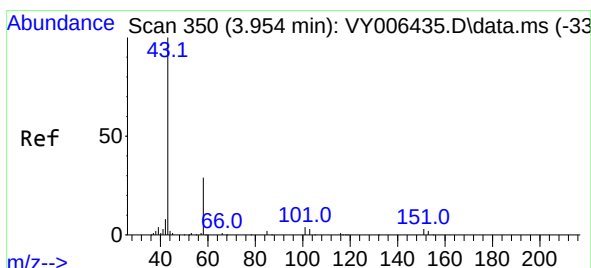
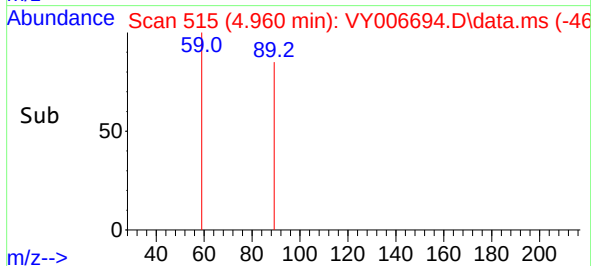
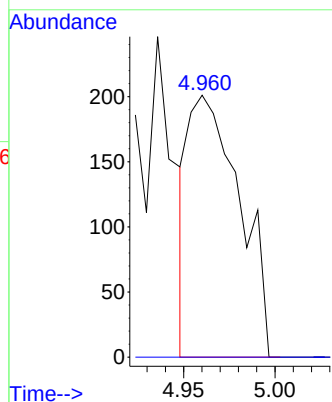


Tgt Ion: 59 Resp: 392

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 35.395 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY006694.D

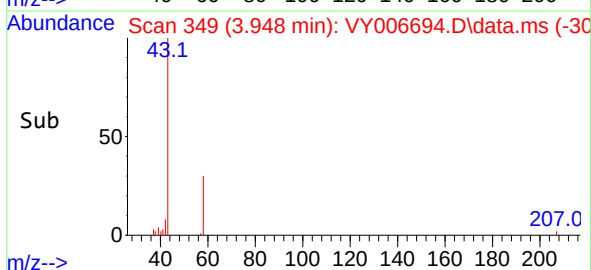
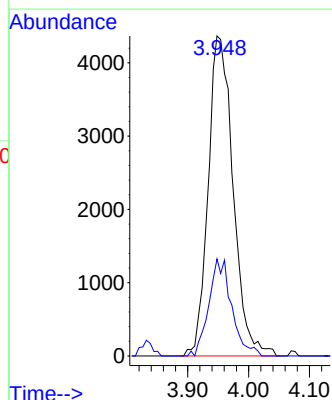
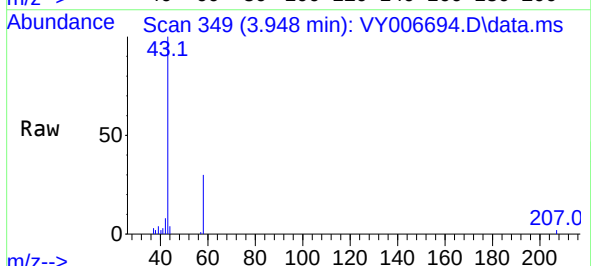
Acq: 08 Nov 2021 20:39

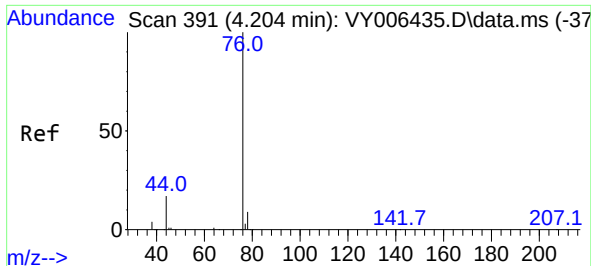
Tgt Ion: 43 Resp: 12423

Ion Ratio Lower Upper

43 100

58 30.3 22.9 34.3

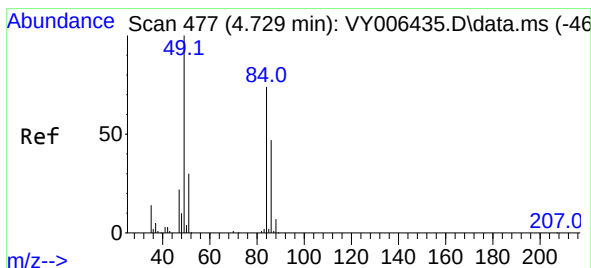
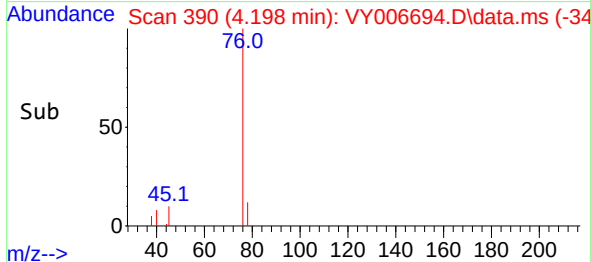
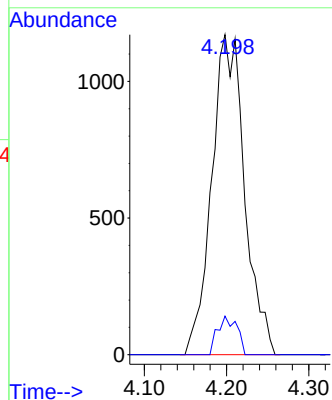
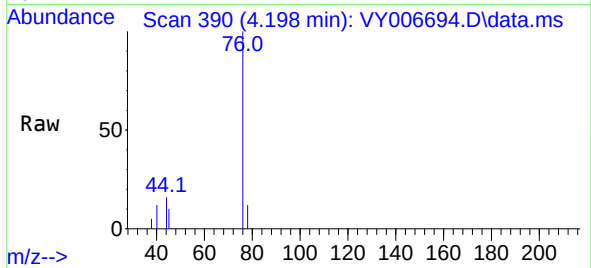




#17
Carbon Disulfide
Concen: 1.111 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

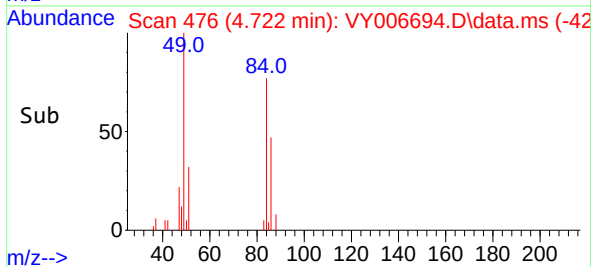
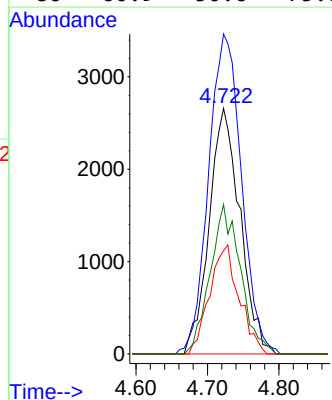
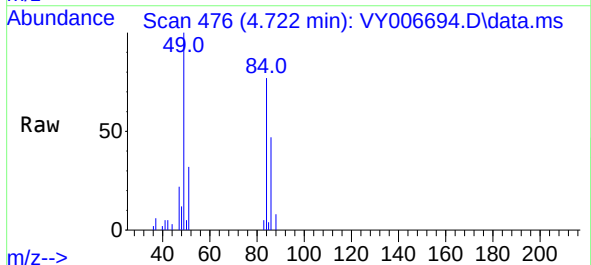
Instrument :
MSVOA_Y
ClientSampleId :

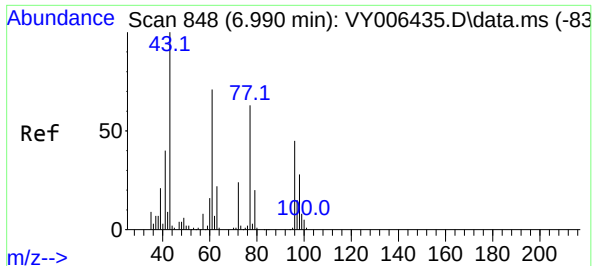
Tgt Ion: 76 Resp: 3259
Ion Ratio Lower Upper
76 100
78 12.0 7.1 10.7#



#20
Methylene Chloride
Concen: 3.589 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion: 84 Resp: 7984
Ion Ratio Lower Upper
84 100
49 130.3 107.8 161.8
51 42.0 32.8 49.2
86 60.9 50.6 75.8





#25

2-Butanone

Concen: 4.265 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY006694.D

Acq: 08 Nov 2021 20:39

Instrument :

MSVOA_Y

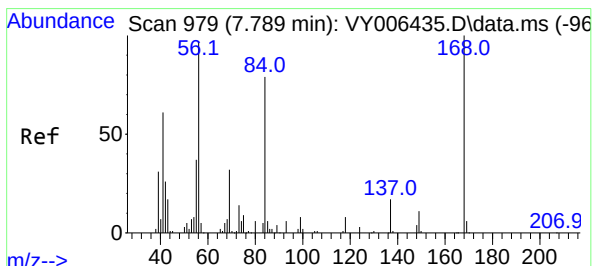
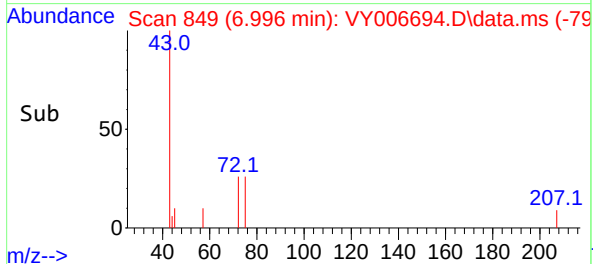
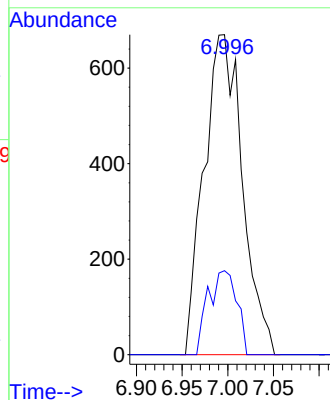
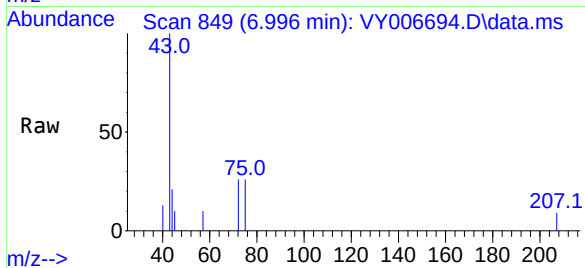
ClientSampleId :

Tgt Ion: 43 Resp: 1961

Ion Ratio Lower Upper

43 100

72 26.3 18.9 28.3



#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY006694.D

Acq: 08 Nov 2021 20:39

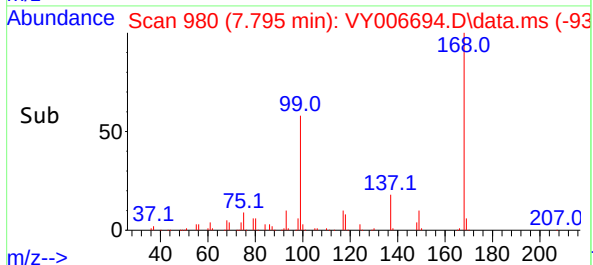
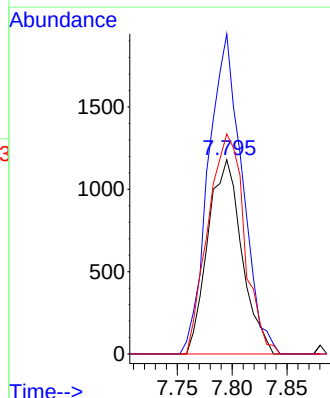
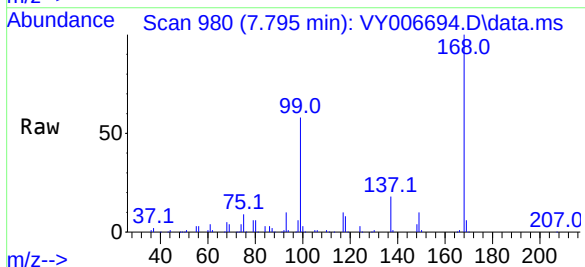
Tgt Ion: 56 Resp: 2540

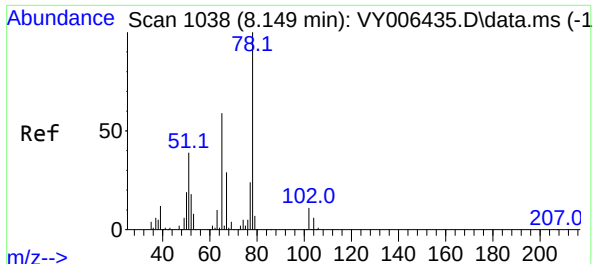
Ion Ratio Lower Upper

56 100

69 164.7 26.6 40.0#

84 113.2 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 63.357 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006694.D

Acq: 08 Nov 2021 20:39

Instrument :

MSVOA_Y

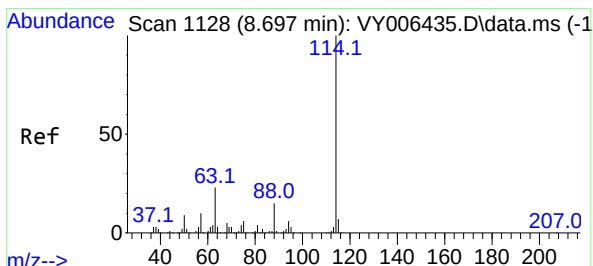
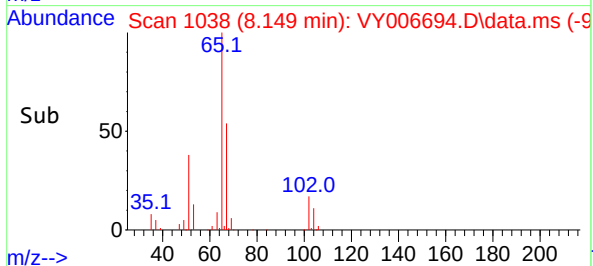
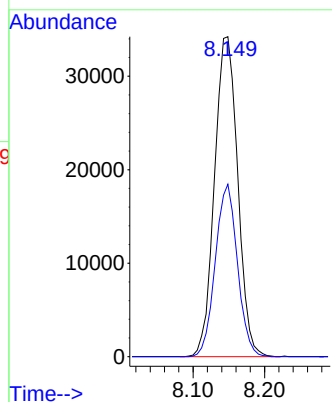
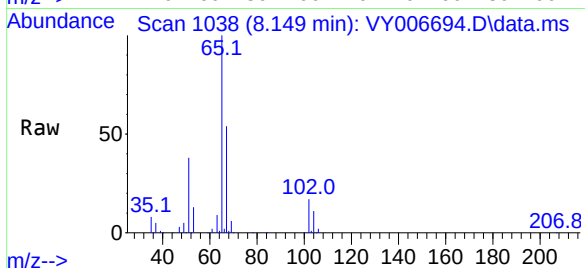
ClientSampleId :

Tgt Ion: 65 Resp: 77226

Ion Ratio Lower Upper

65 100

67 51.3 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006694.D

Acq: 08 Nov 2021 20:39

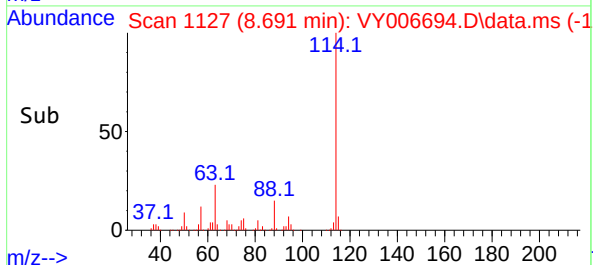
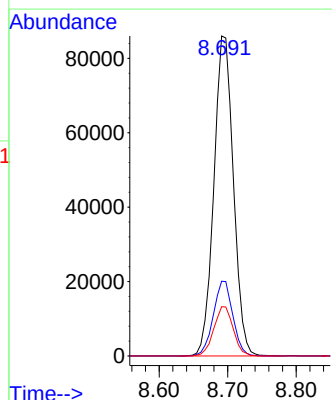
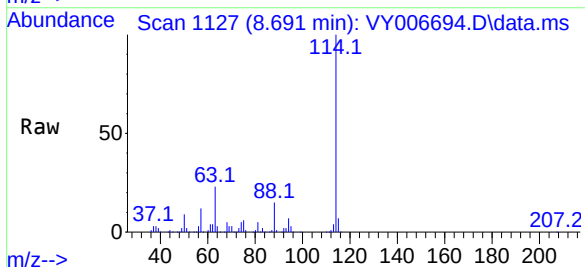
Tgt Ion: 114 Resp: 170204

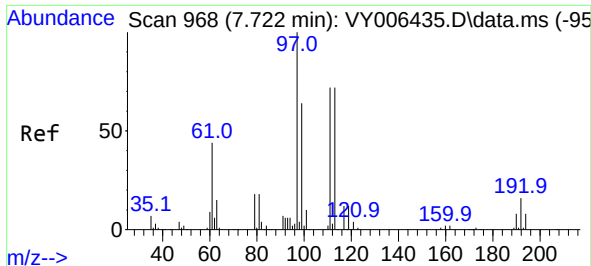
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 15.4 0.0 30.6

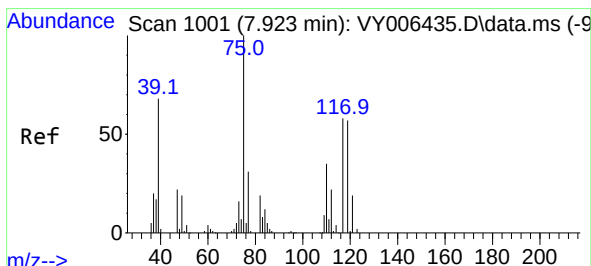
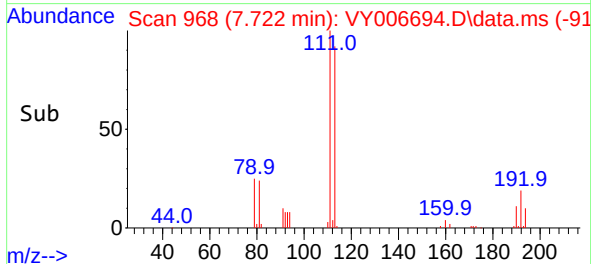
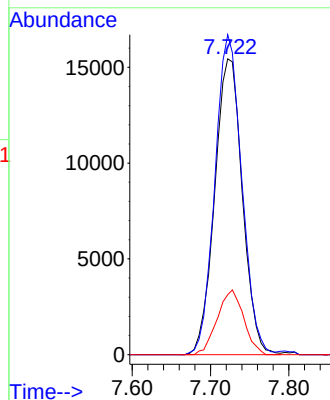
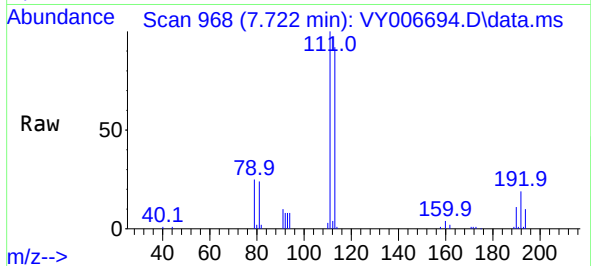




#35
Dibromofluoromethane
Concen: 39.994 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

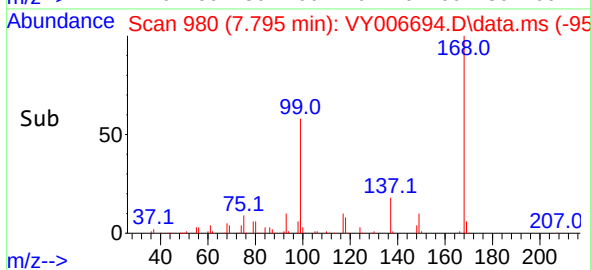
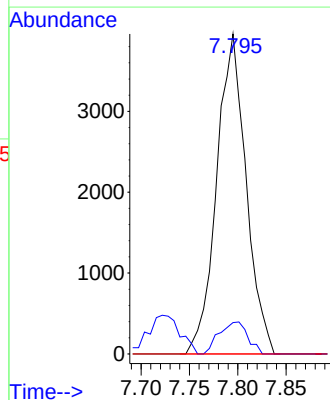
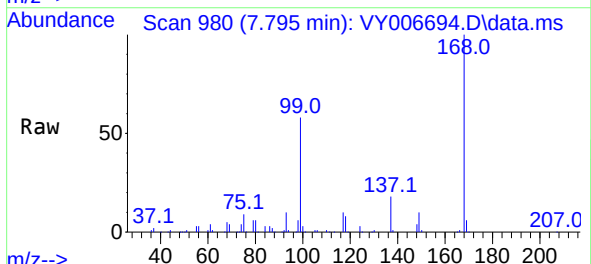
Instrument :
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ClientSampleId :

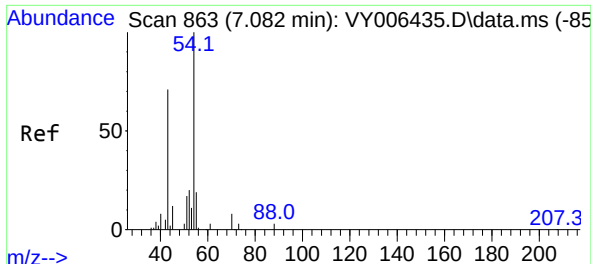
Tgt Ion:113 Resp: 37941
Ion Ratio Lower Upper
113 100
111 105.0 82.3 123.5
192 20.9 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

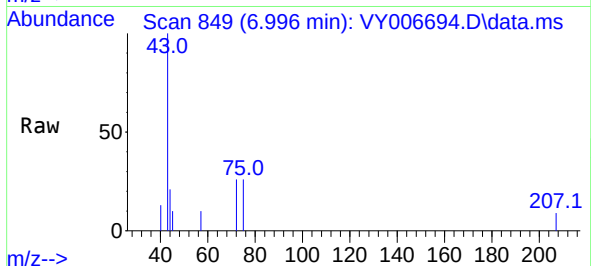
Tgt Ion: 75 Resp: 8372
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.3#
77 0.0 24.9 37.3#



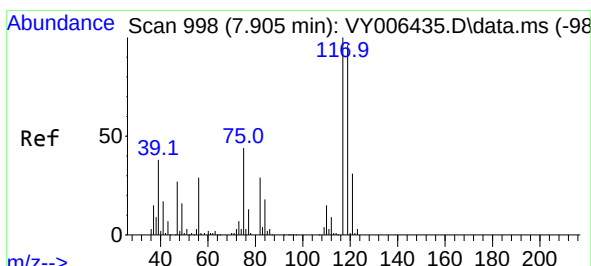
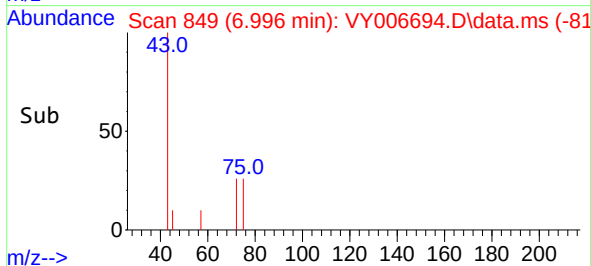
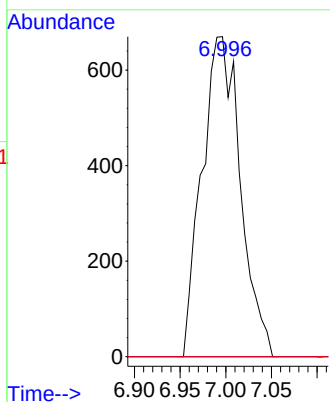


#37
Ethyl Acetate
Concen: 1.842 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.085 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Instrument :
MSVOA_Y
ClientSampleId :

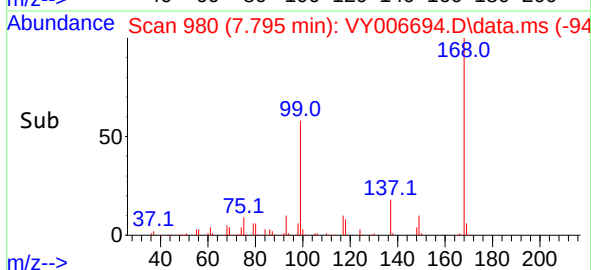
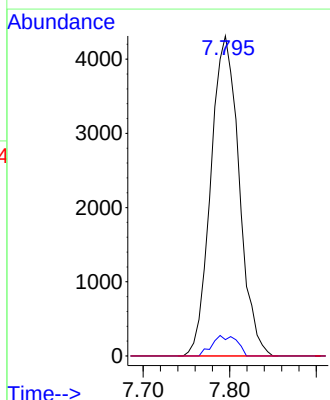
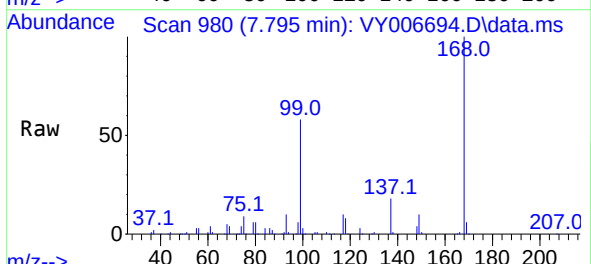


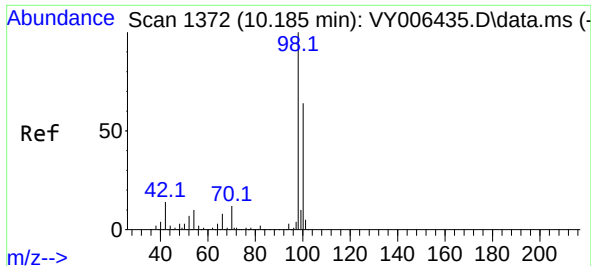
Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
61 0.0 9.4 14.2#
70 0.0 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion: 117 Resp: 9775
Ion Ratio Lower Upper
117 100
119 5.1 76.6 115.0#
121 0.0 24.7 37.1#

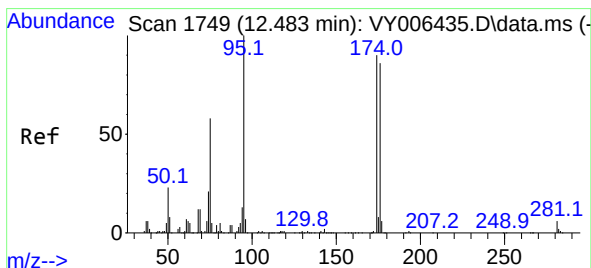
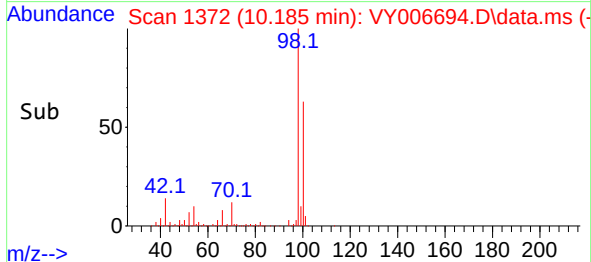
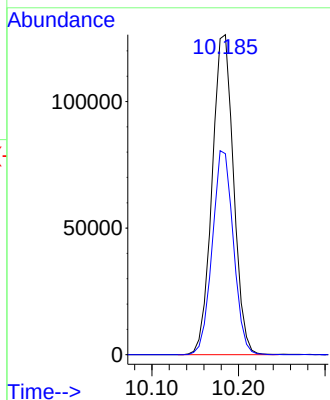
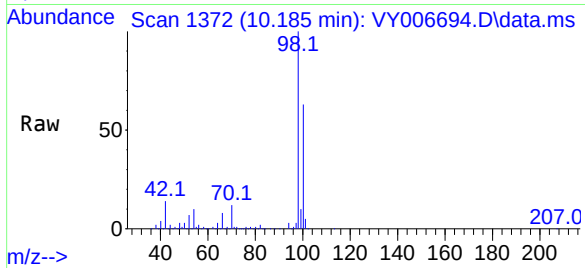




#50
Toluene-d8
Concen: 53.994 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

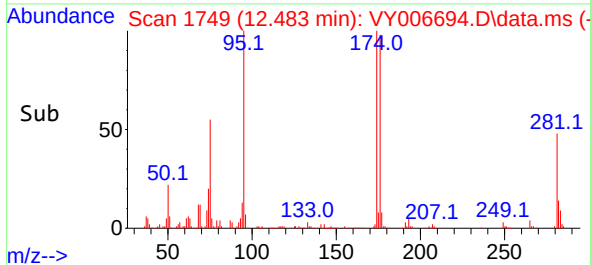
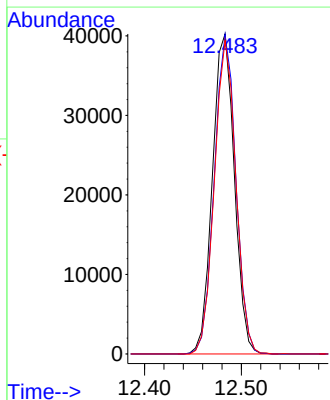
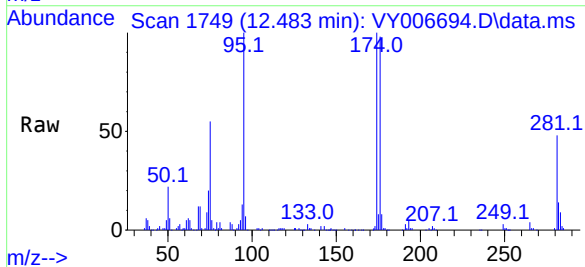
Instrument :
MSVOA_Y
ClientSampleId :

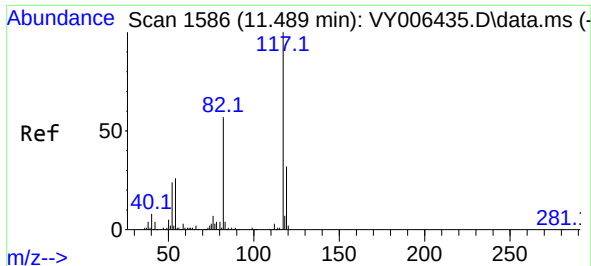
Tgt Ion: 98 Resp: 217139
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 46.716 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion: 95 Resp: 63286
Ion Ratio Lower Upper
95 100
174 98.1 0.0 177.0
176 96.0 0.0 169.4

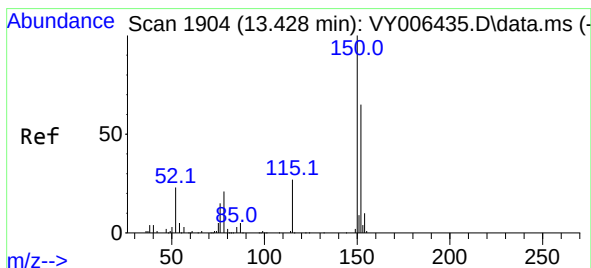
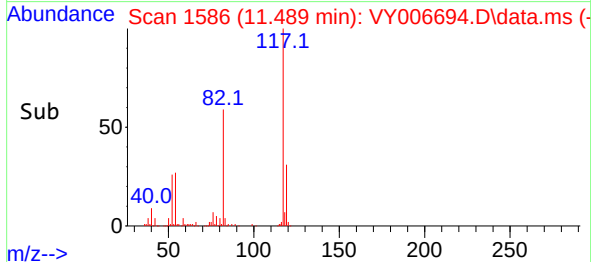
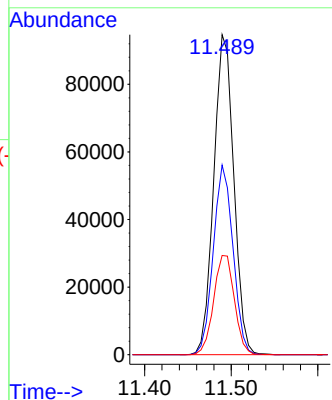
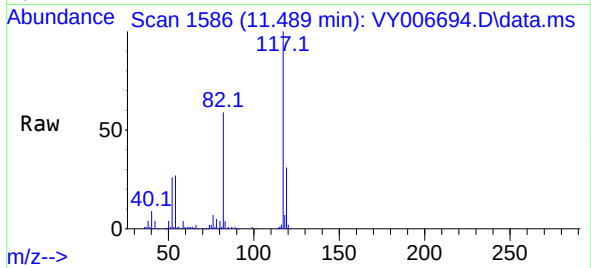




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

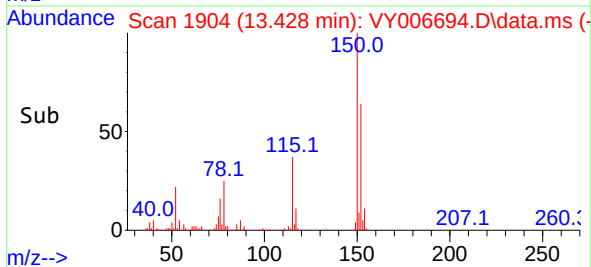
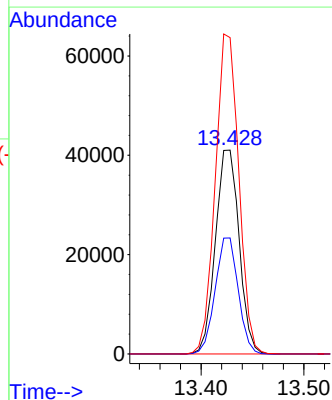
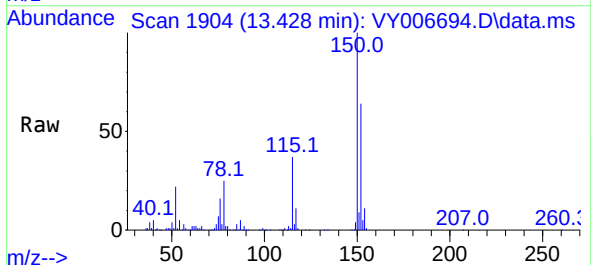
Instrument :
MSVOA_Y
ClientSampleId :

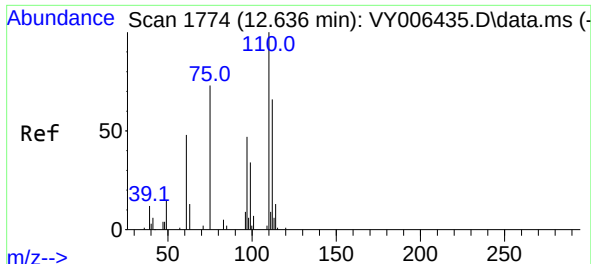
Tgt Ion:117 Resp: 152281
Ion Ratio Lower Upper
117 100
82 59.2 45.7 68.5
119 31.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion:152 Resp: 65662
Ion Ratio Lower Upper
152 100
115 55.3 28.5 85.5
150 155.6 0.0 348.2

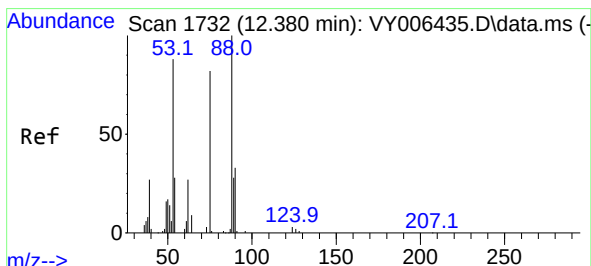
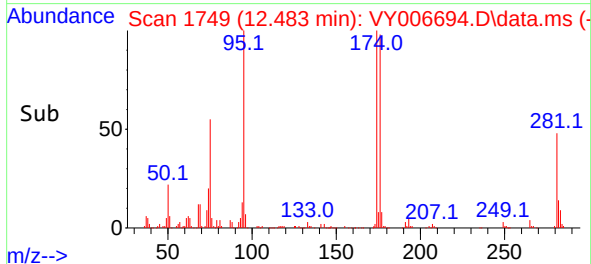
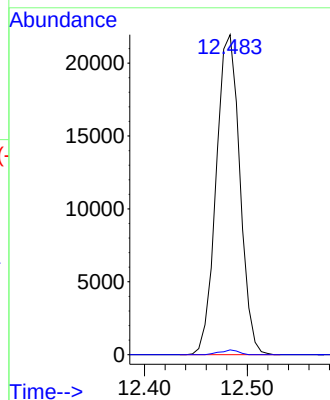
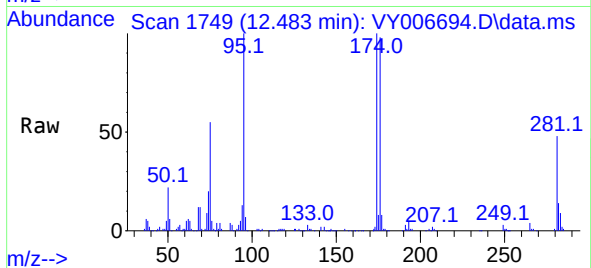




#76
1,2,3-Trichloropropane
Concen: 51.771 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 35030
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.285 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006694.D
Acq: 08 Nov 2021 20:39

Tgt Ion: 75 Resp: 35030
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.5 39.3 58.9#

