

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120722\
 Data File : VY011730.D
 Acq On : 07 Dec 2022 13:54
 Operator : KP/MD
 Sample : N5897-08
 Misc : 5.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2997

Quant Time: Dec 08 07:56:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

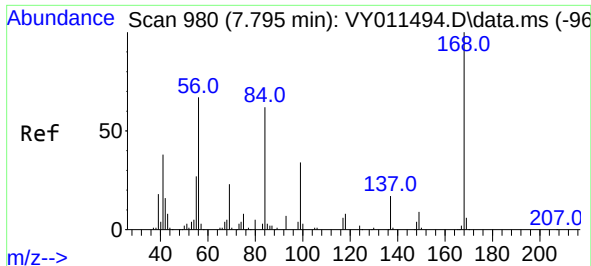
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	252625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	448008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	417766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	187987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158467	61.777	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.560%	
35) Dibromofluoromethane	7.716	113	140899	51.089	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.180%	
50) Toluene-d8	10.179	98	538511	53.733	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.483	95	180215	48.635	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.280%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	40	Below Cal	#	43
3) Chloromethane	2.119	50	409	Below Cal	#	44
5) Bromomethane	2.668	94	256	Below Cal	#	48
11) Tert butyl alcohol	4.954	59	451	Below Cal	#	77
13) Acrolein	3.747	56	514	7.599	ug/l #	14
16) Acetone	3.942	43	26217	31.465	ug/l	95
18) Methyl Acetate	4.485	43	1186	Below Cal	#	64
20) Methylene Chloride	4.710	84	11393	Below Cal	#	82
25) 2-Butanone	6.996	43	8592	7.846	ug/l	94
31) Cyclohexane	7.783	56	5166	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18817	4.365	ug/l #	51
37) Ethyl Acetate	6.996	43	8592	3.500	ug/l #	72
38) Carbon Tetrachloride	7.789	117	25608	5.309	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	92969	45.922	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92969	100.585	ug/l #	7
95) Naphthalene	15.239	128	1019	4.161	ug/l #	91

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

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Quant Title : SW846 8260
QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

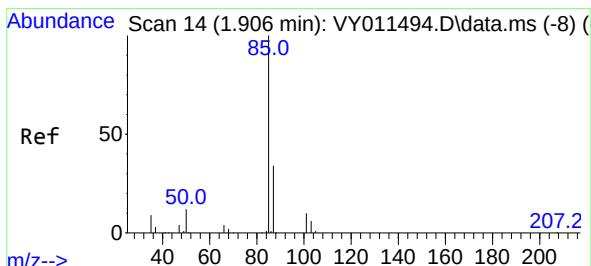
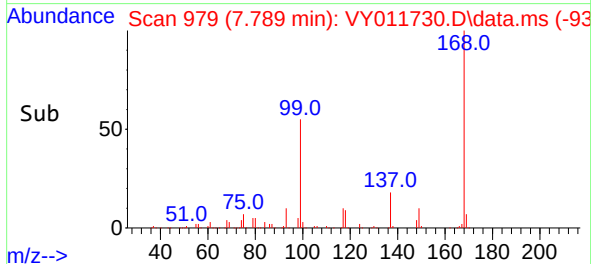
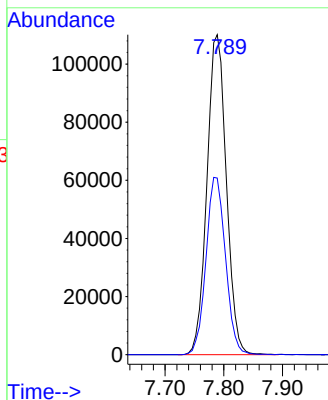
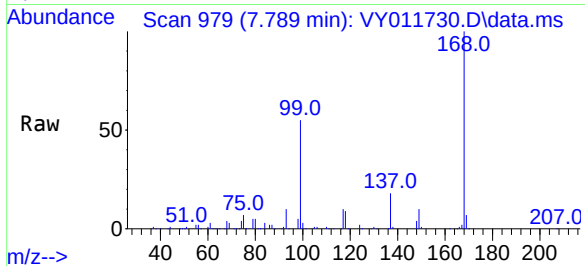




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

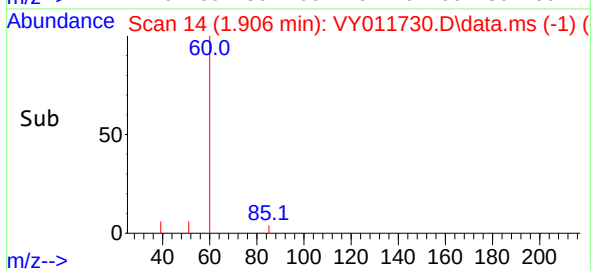
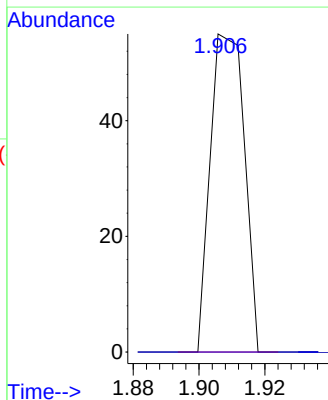
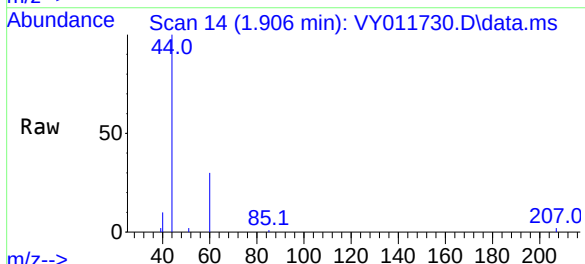
Instrument :
MSVOA_Y
ClientSampleId :
2997

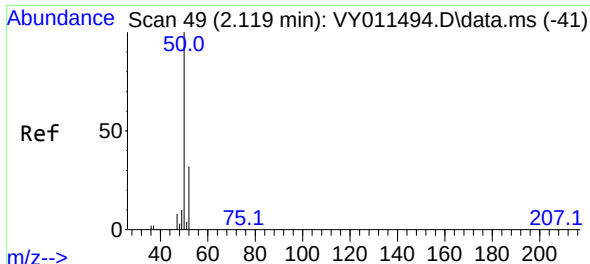
Tgt Ion:168 Resp: 252625
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 85 Resp: 40
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

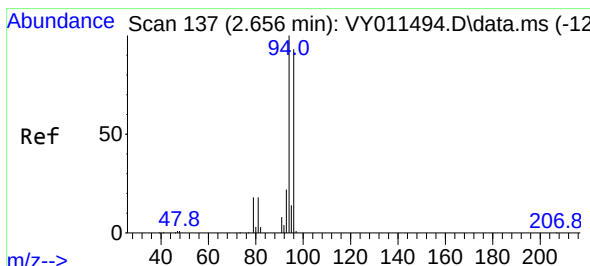
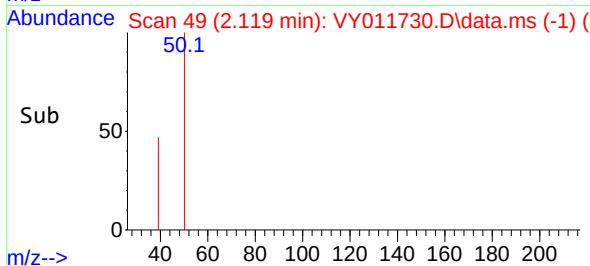
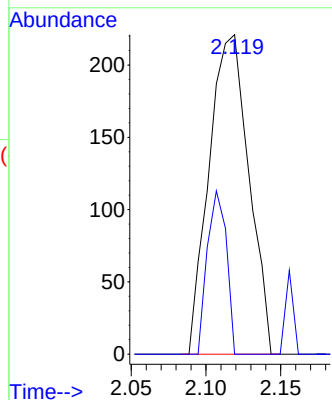
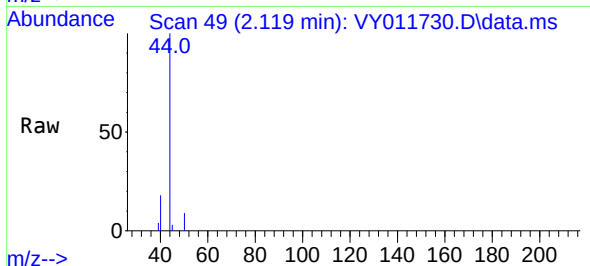




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

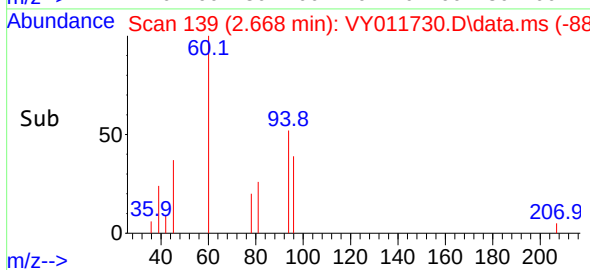
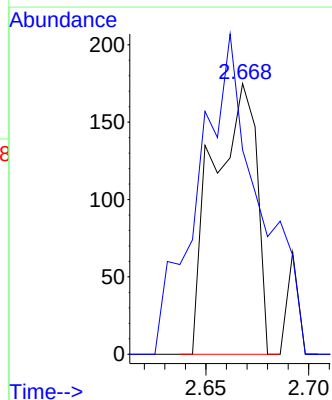
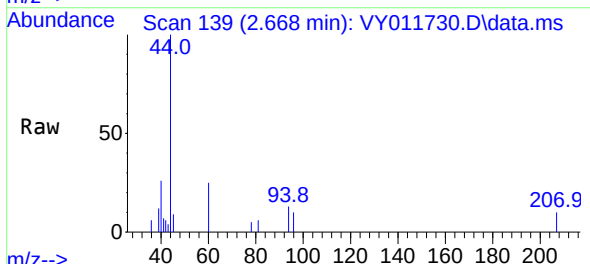
Instrument :
MSVOA_Y
ClientSampleId :
2997

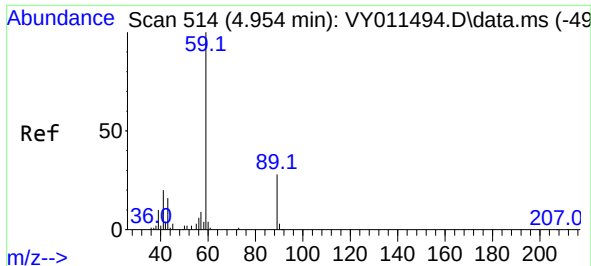
Tgt Ion: 50 Resp: 409
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 94 Resp: 256
Ion Ratio Lower Upper
94 100
96 42.3 73.5 110.3#

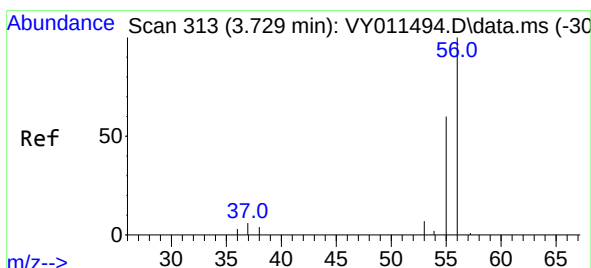
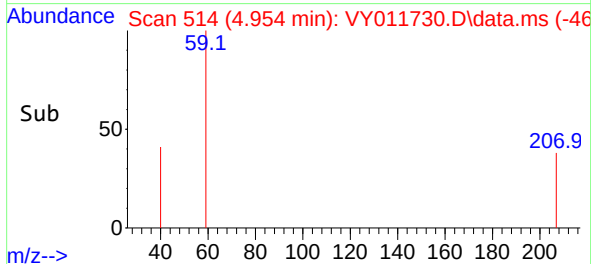
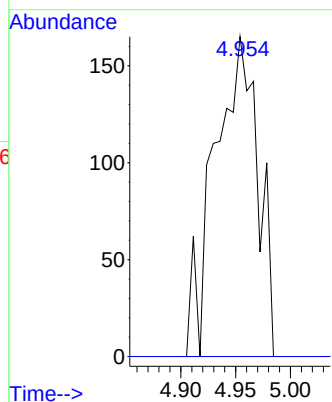
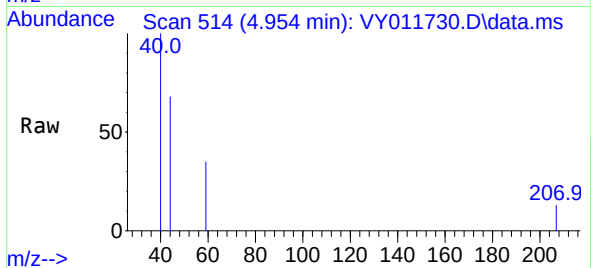




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

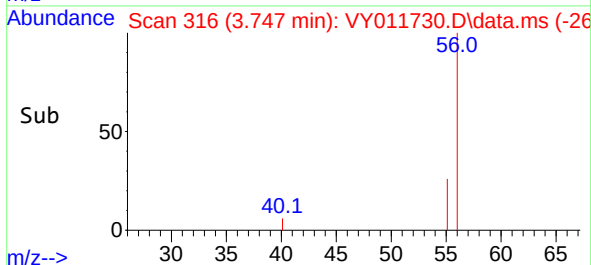
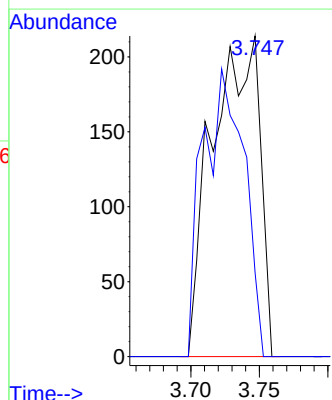
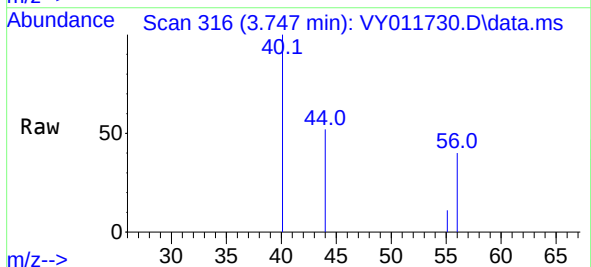
Instrument :
MSVOA_Y
ClientSampleId :
2997

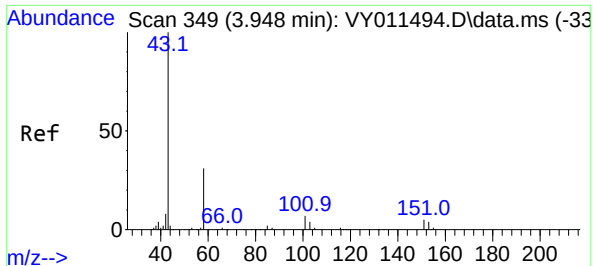
Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#13
Acrolein
Concen: 7.599 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 56 Resp: 514
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

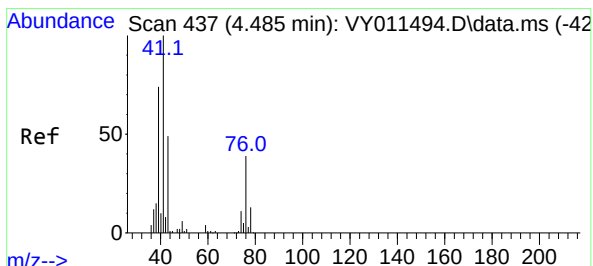
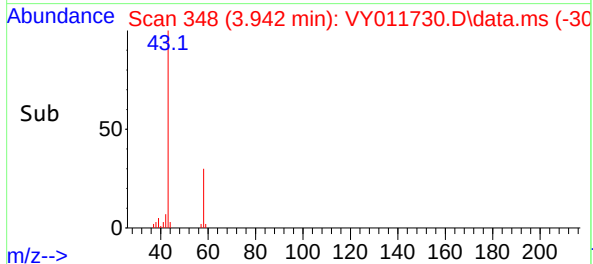
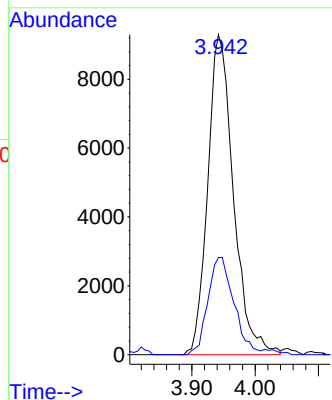
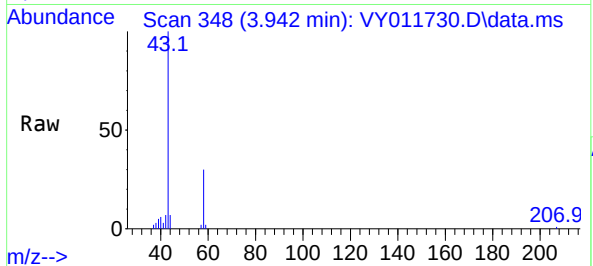




#16
Acetone
Concen: 31.465 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

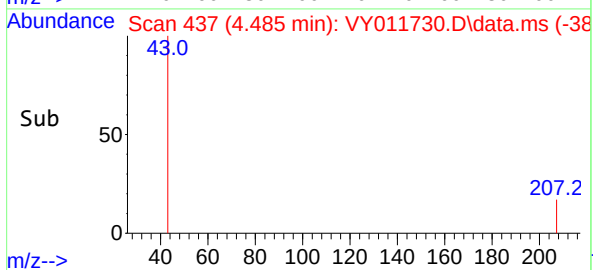
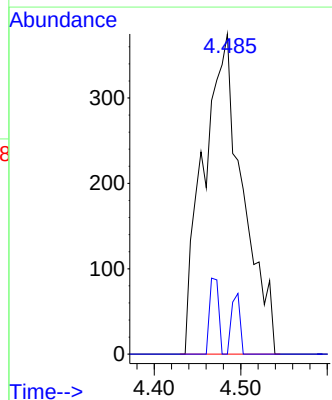
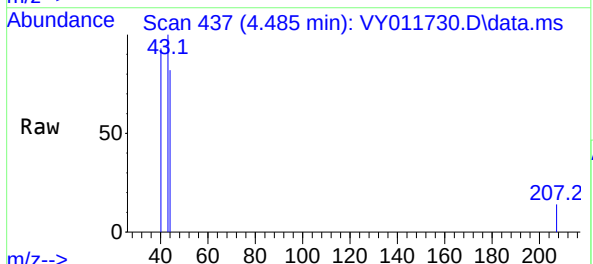
Instrument :
MSVOA_Y
ClientSampleId :
2997

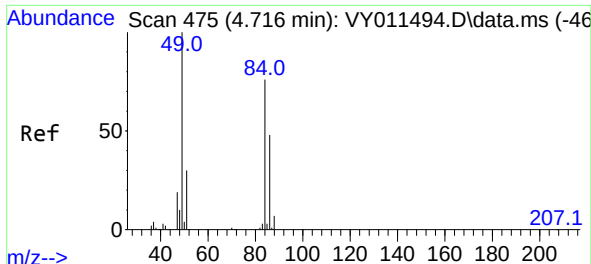
Tgt Ion: 43 Resp: 26217
Ion Ratio Lower Upper
43 100
58 30.4 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

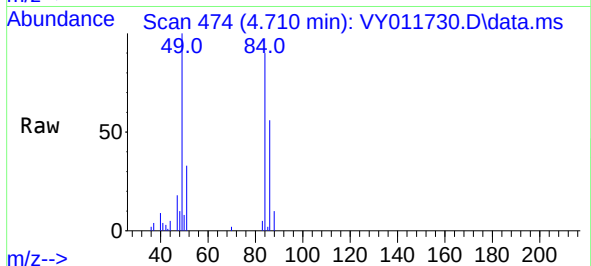
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
74 4.0 16.6 24.8#



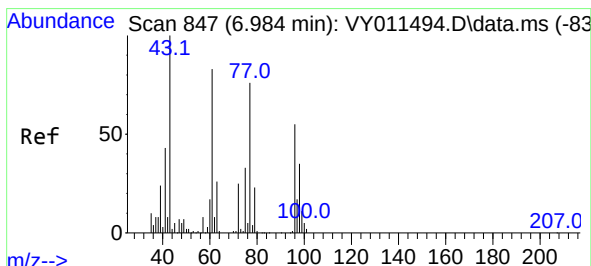
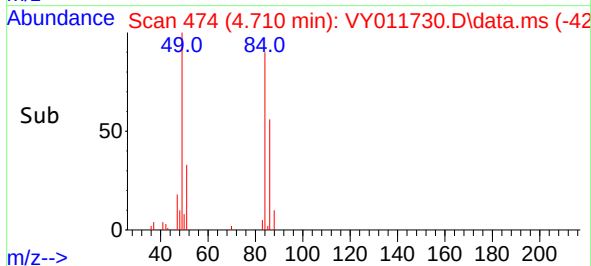
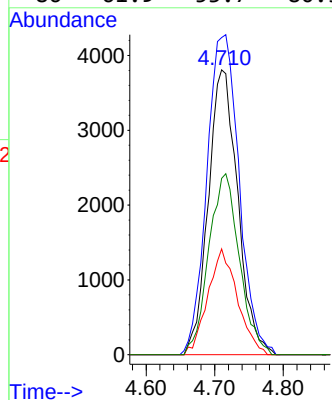


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :
2997

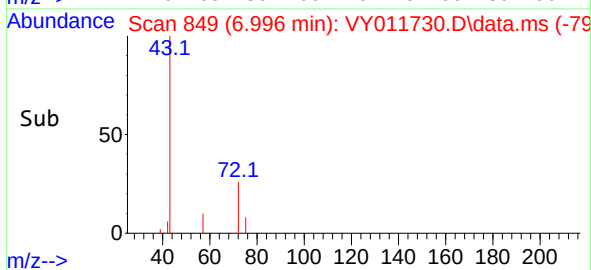
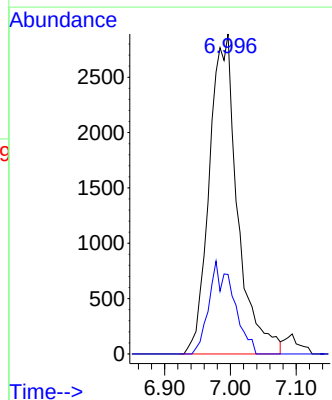
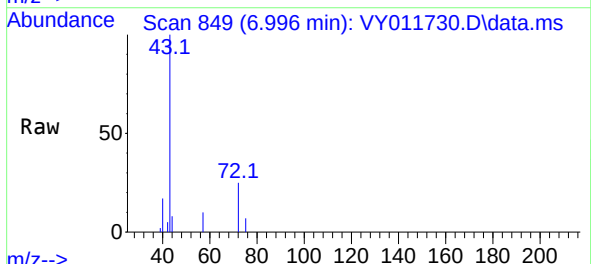


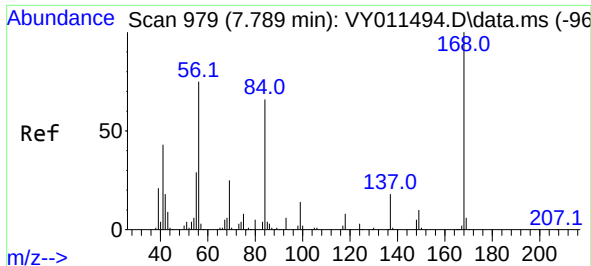
Tgt Ion: 84 Resp: 11393
Ion Ratio Lower Upper
84 100
49 111.3 114.4 171.6#
51 37.1 35.3 52.9
86 61.9 53.7 80.5



#25
2-Butanone
Concen: 7.846 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 43 Resp: 8592
Ion Ratio Lower Upper
43 100
72 24.8 17.7 26.5

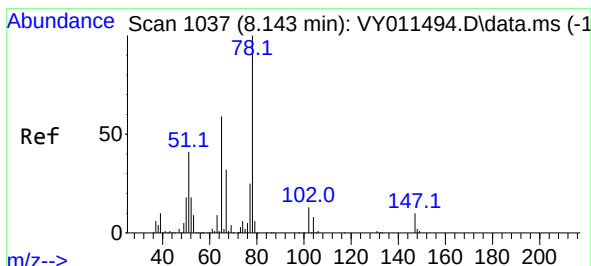
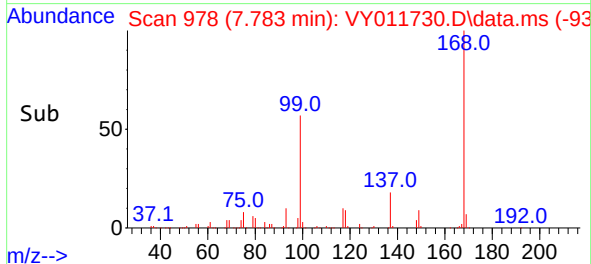
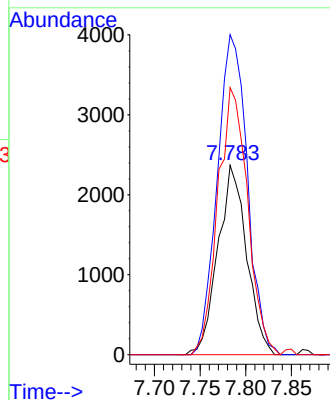
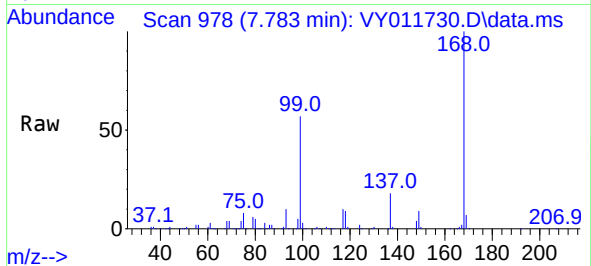




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

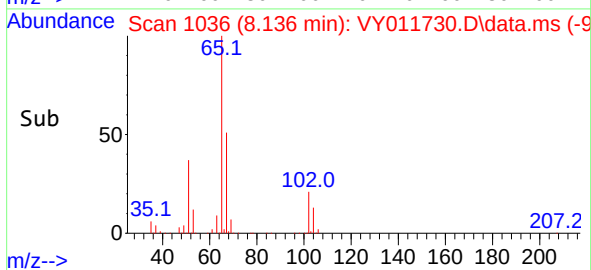
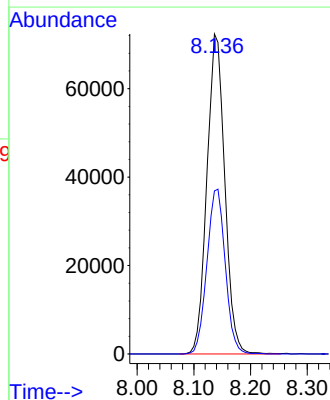
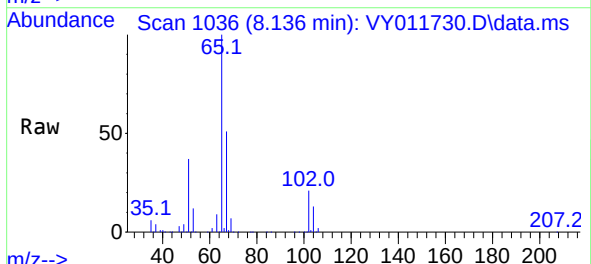
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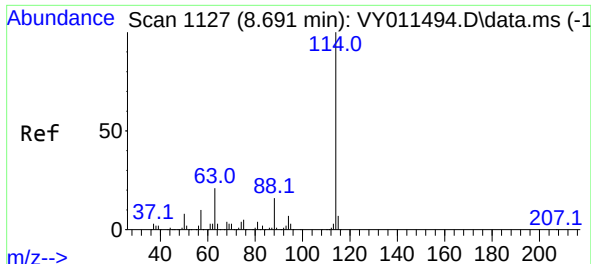
Tgt Ion: 56 Resp: 5166
Ion Ratio Lower Upper
56 100
69 169.0 26.7 40.1#
84 141.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.777 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 65 Resp: 158467
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011730.D

Acq: 07 Dec 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

2997

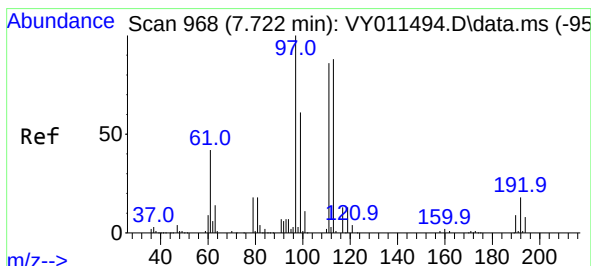
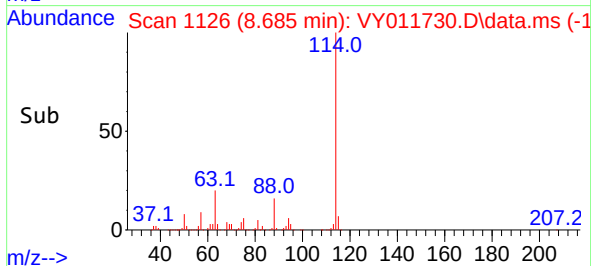
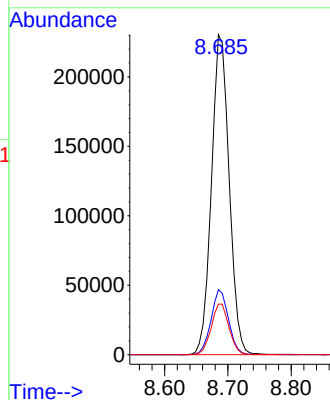
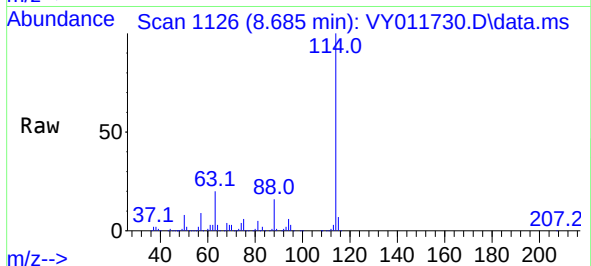
Tgt Ion:114 Resp: 448008

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.089 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011730.D

Acq: 07 Dec 2022 13:54

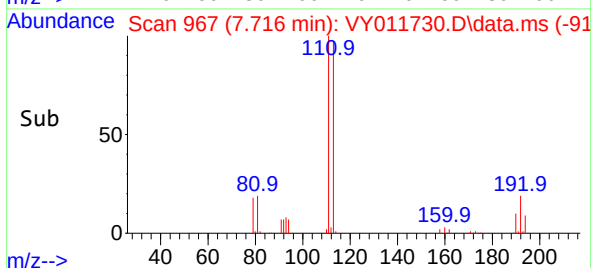
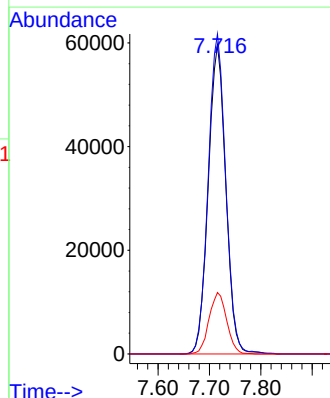
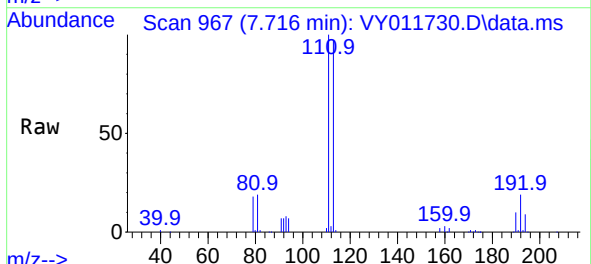
Tgt Ion:113 Resp: 140899

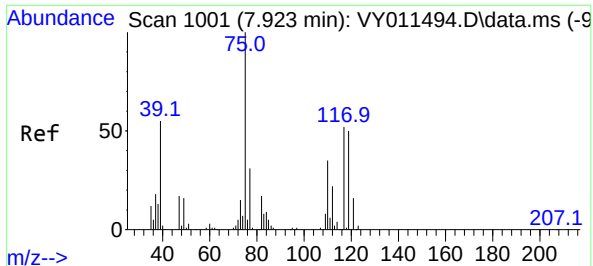
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 20.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.365 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY011730.D

Acq: 07 Dec 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

2997

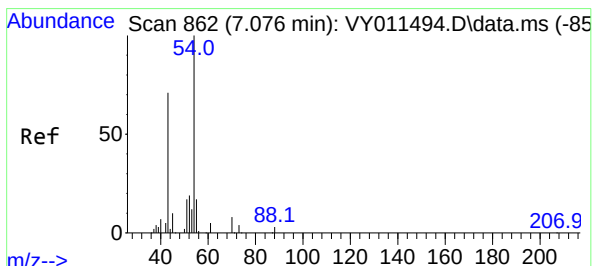
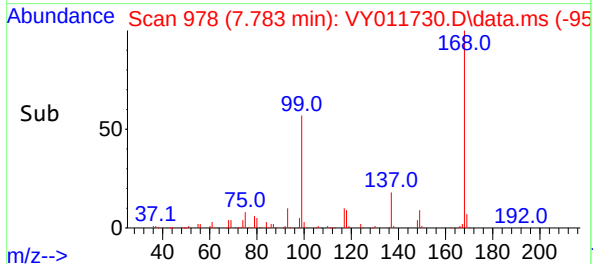
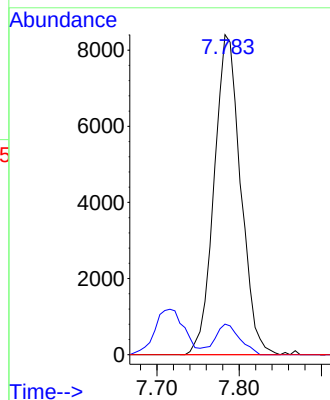
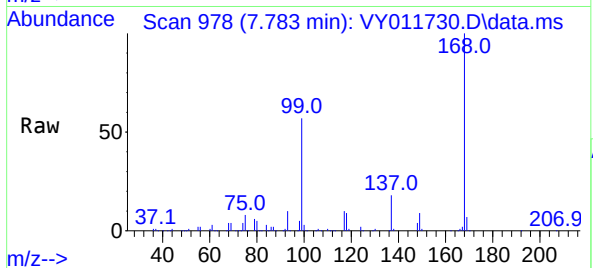
Tgt Ion: 75 Resp: 18817

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.500 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.080 min

Lab File: VY011730.D

Acq: 07 Dec 2022 13:54

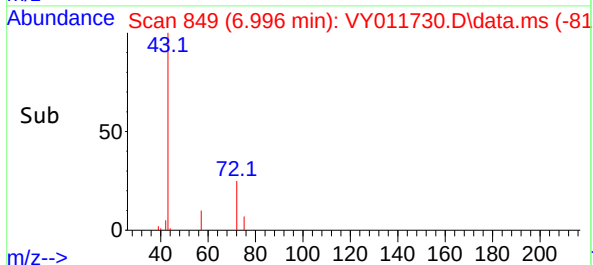
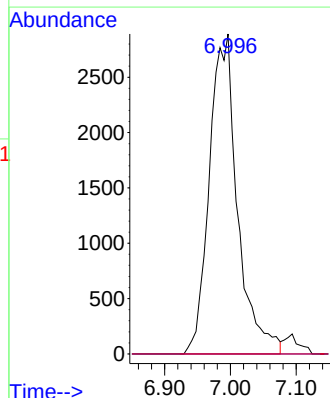
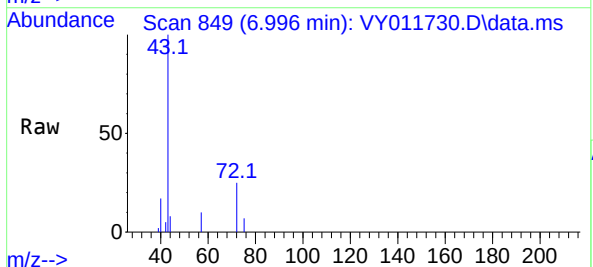
Tgt Ion: 43 Resp: 8592

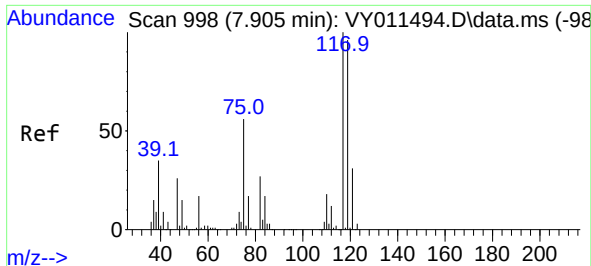
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

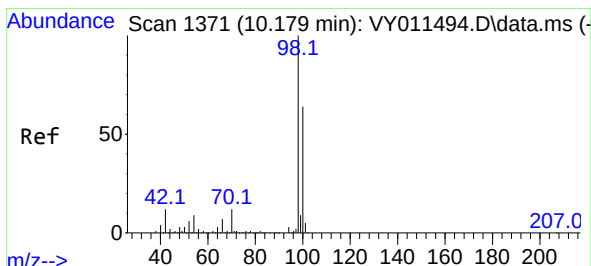
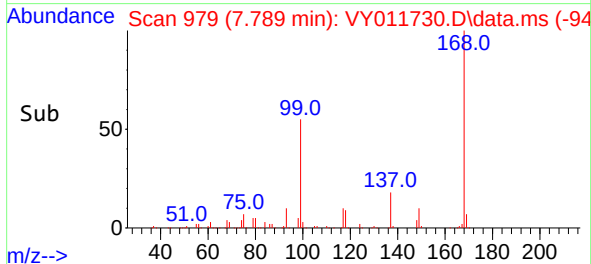
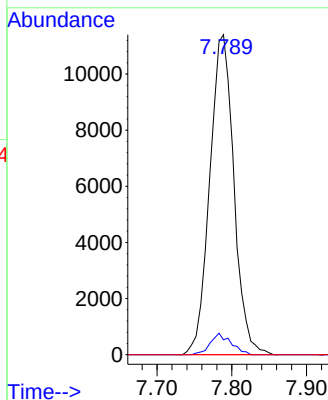
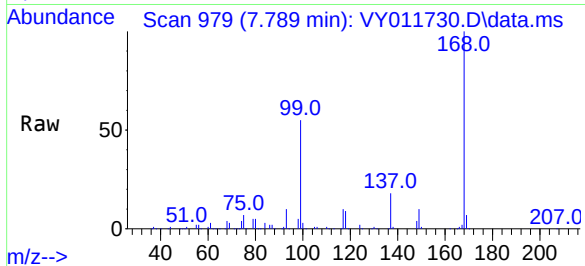




#38
Carbon Tetrachloride
Concen: 5.309 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

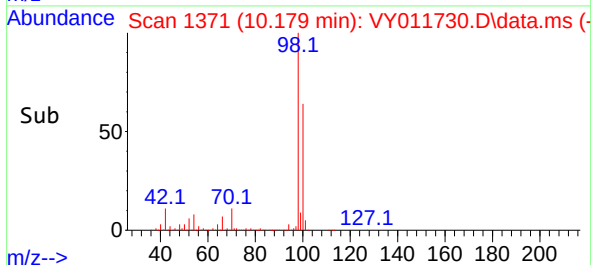
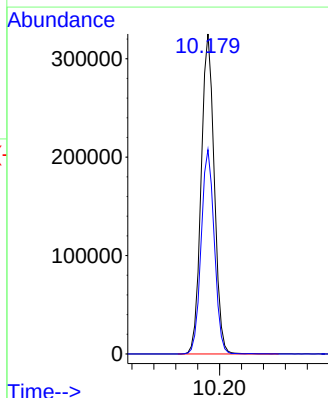
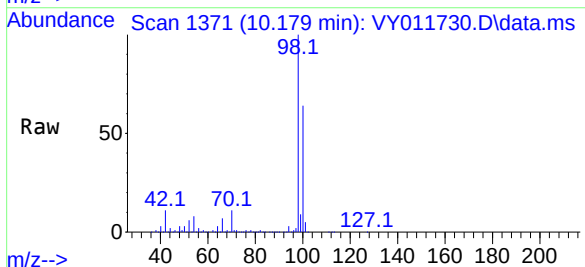
Instrument :
MSVOA_Y
ClientSampleId :
2997

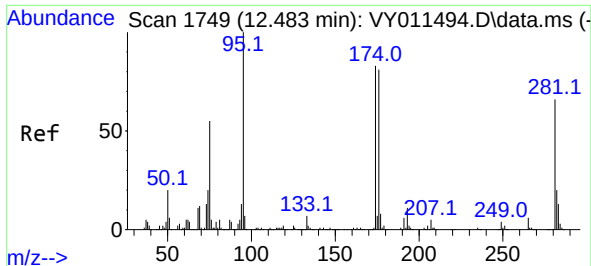
Tgt Ion:117 Resp: 25608
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.733 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 98 Resp: 538511
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

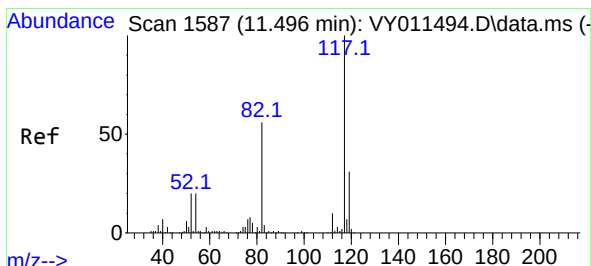
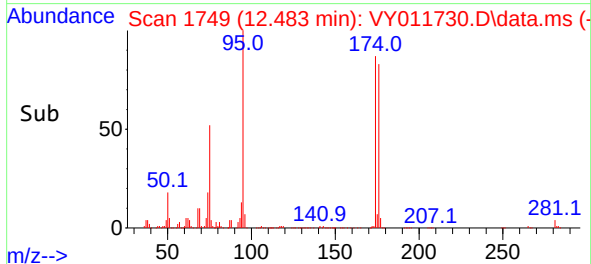
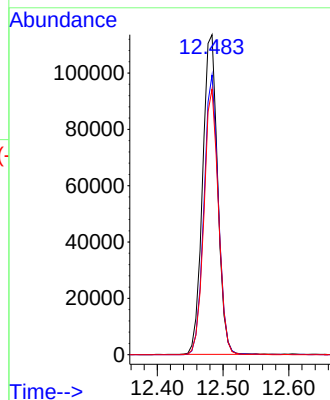
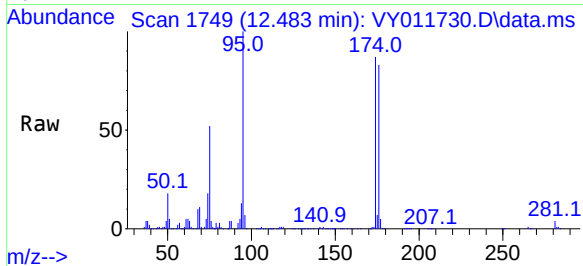




#62
4-Bromofluorobenzene
Concen: 48.635 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

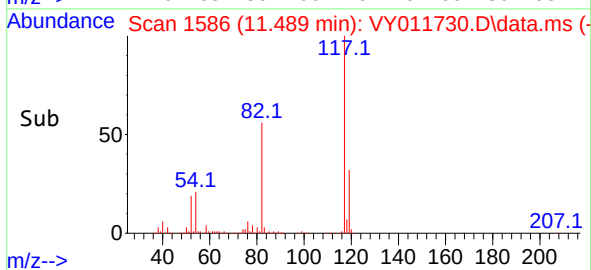
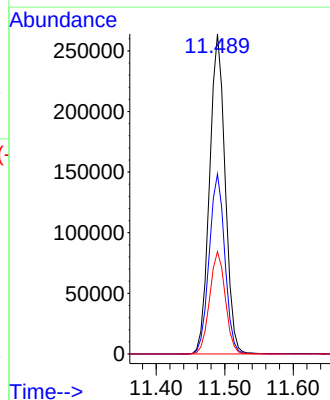
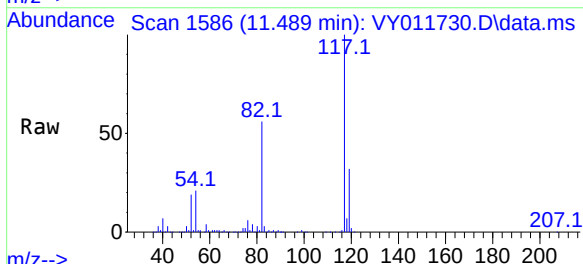
Instrument :
MSVOA_Y
ClientSampleId :
2997

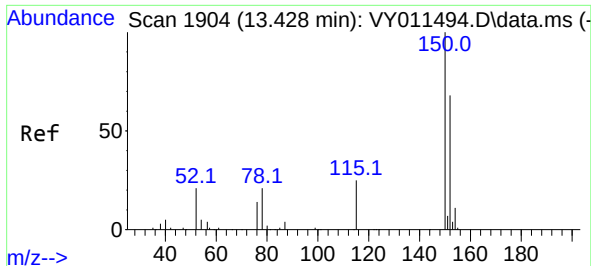
Tgt Ion: 95 Resp: 180215
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 117 Resp: 417766
Ion Ratio Lower Upper
117 100
82 56.3 43.0 64.4
119 32.0 25.4 38.0

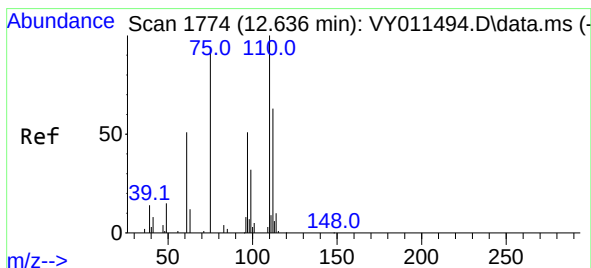
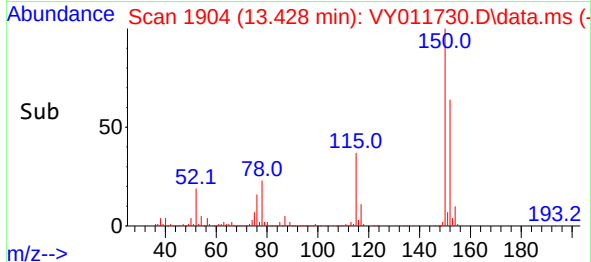
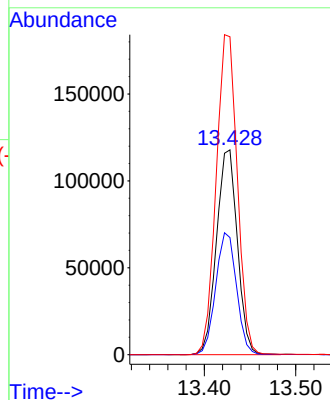
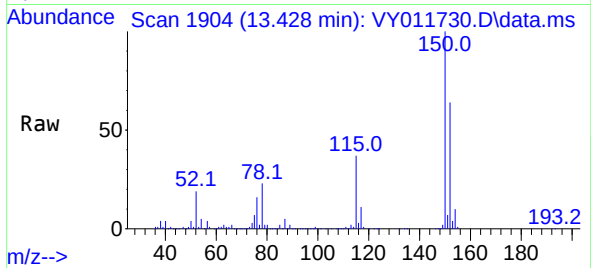




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

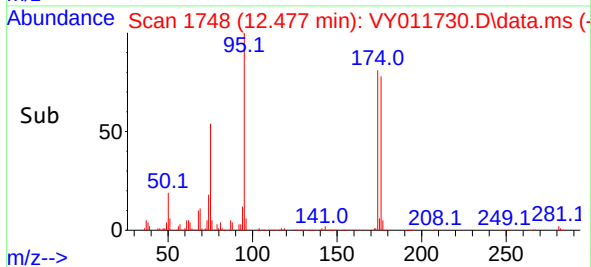
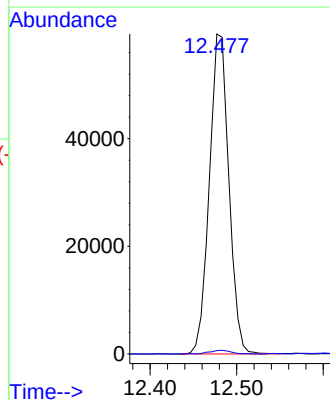
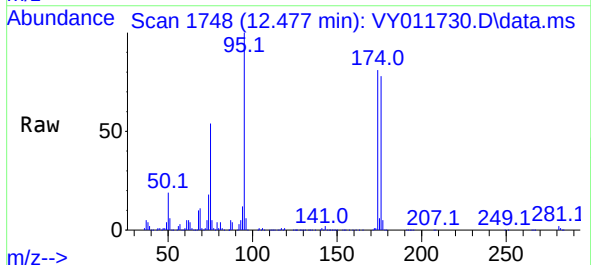
Instrument :
MSVOA_Y
ClientSampleId :
2997

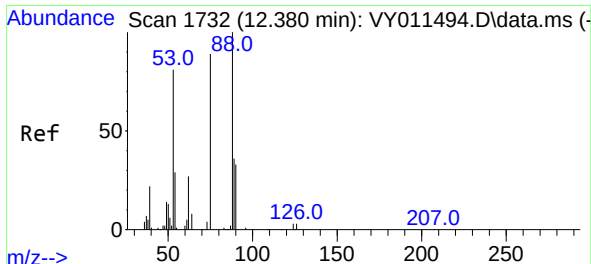
Tgt Ion:152 Resp: 187987
Ion Ratio Lower Upper
152 100
115 59.4 28.2 84.7
150 157.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.922 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 75 Resp: 92969
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

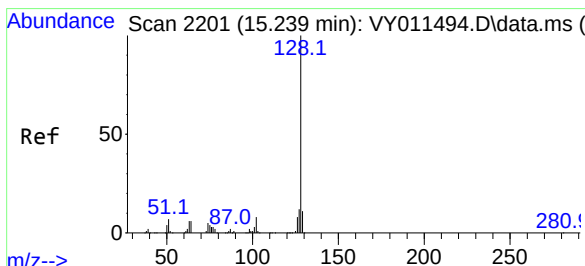
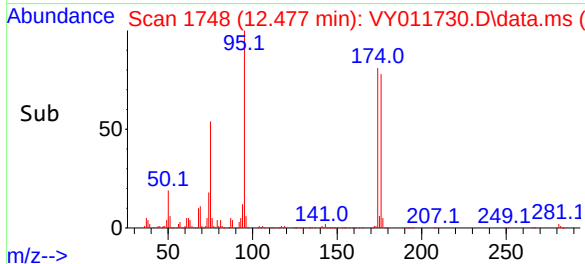
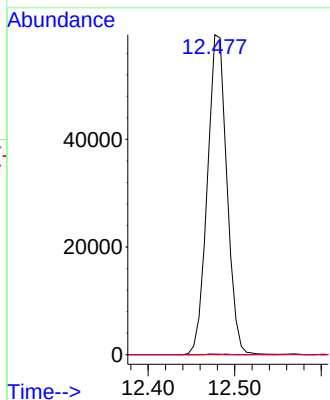
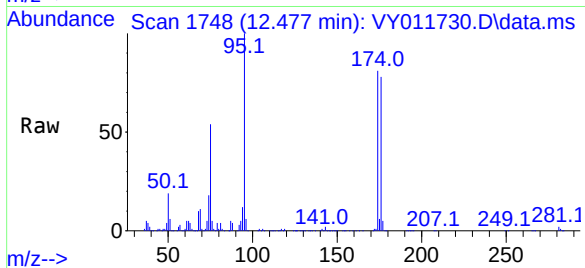




#81
trans-1,4-Dichloro-2-butene
Concen: 100.585 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :
2997

Tgt Ion: 75 Resp: 92969
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.161 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011730.D
Acq: 07 Dec 2022 13:54

Tgt Ion: 128 Resp: 1019
Ion Ratio Lower Upper
128 100
127 7.5 11.0 16.4#
129 10.2 8.4 12.6

