

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011546.D
 Acq On : 22 Nov 2022 14:28
 Operator : KP/MD
 Sample : N5749-08
 Misc : 6.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:07:28 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)

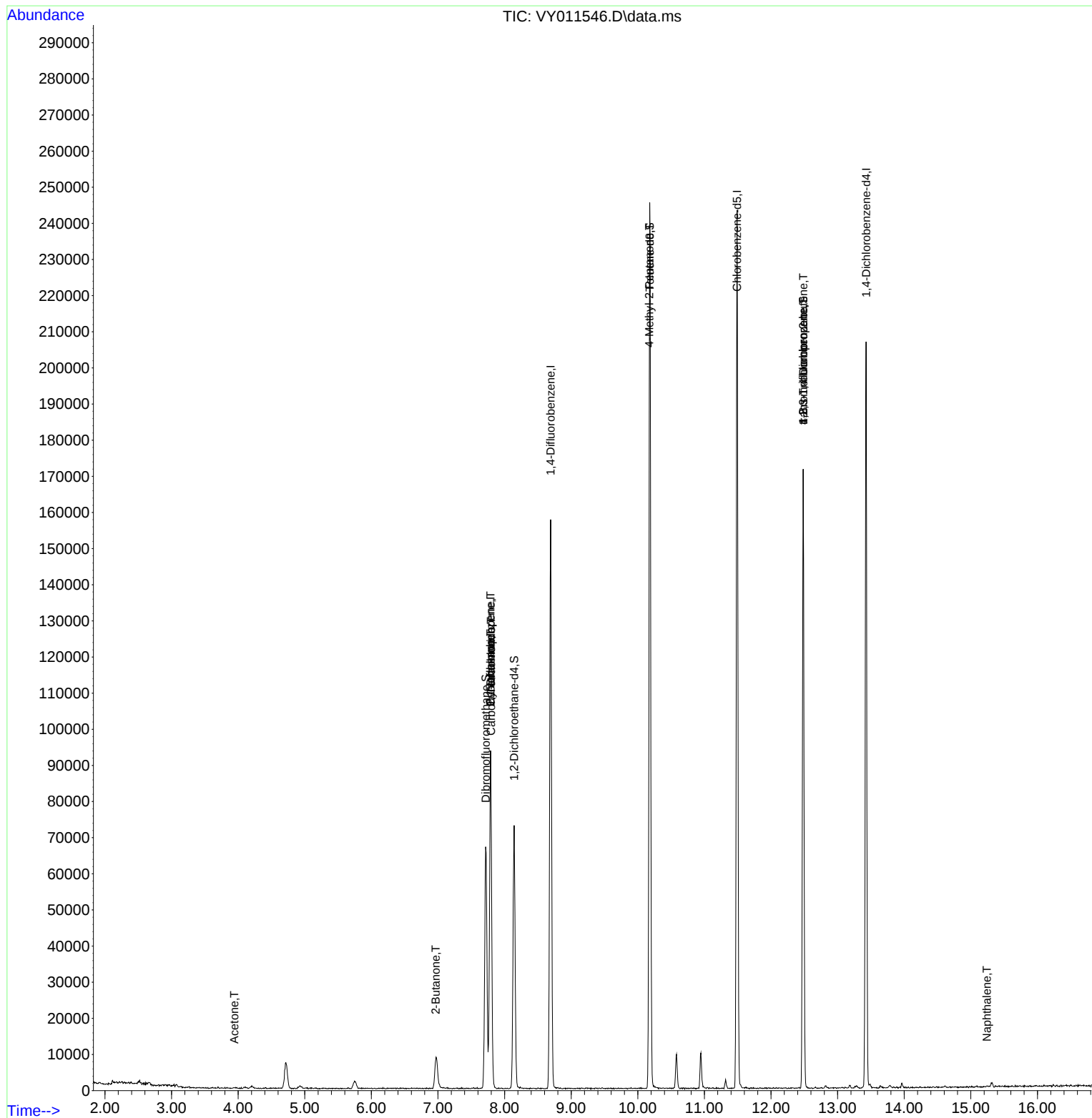
Internal Standards						
1) Pentafluorobenzene	7.789	168	69082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	131006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	52193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54872	78.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 156.460%	
35) Dibromofluoromethane	7.716	113	47186	58.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.020%	
50) Toluene-d8	10.179	98	161806	55.212	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.420%	
62) 4-Bromofluorobenzene	12.483	95	49724	45.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	225	Below Cal		99
5) Bromomethane	2.668	94	238	Below Cal	#	51
11) Tert butyl alcohol	4.930	59	834	Below Cal	#	77
16) Acetone	3.942	43	256	1.124	ug/l #	47
18) Methyl Acetate	4.491	43	64	Below Cal	#	56
20) Methylene Chloride	4.716	84	5437	Below Cal	#	79
25) 2-Butanone	6.966	43	429	1.433	ug/l #	54
31) Cyclohexane	7.789	56	1735	1.492	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	5775	4.581	ug/l #	52
38) Carbon Tetrachloride	7.795	117	6955	4.931	ug/l #	18
51) 4-Methyl-2-Pentanone	10.173	43	809	1.124	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	26132	46.491	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	26132	101.832	ug/l #	7
95) Naphthalene	15.239	128	183	4.111	ug/l #	69

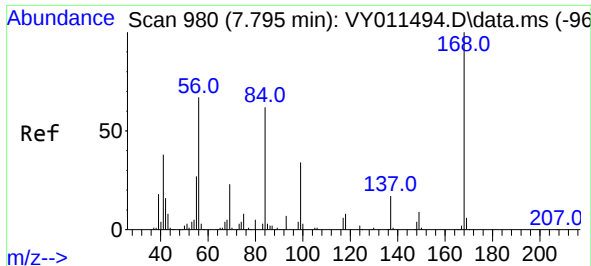
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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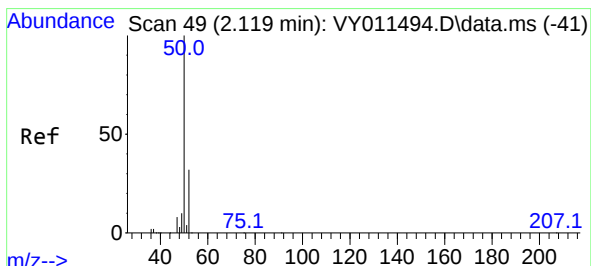
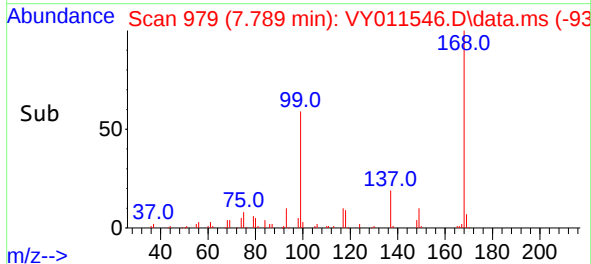
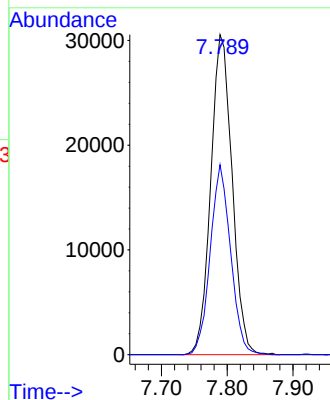
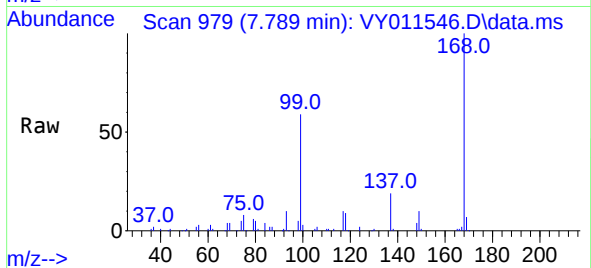




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

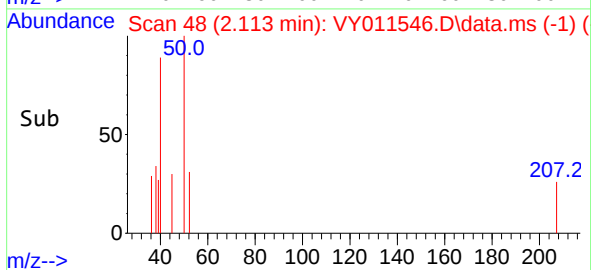
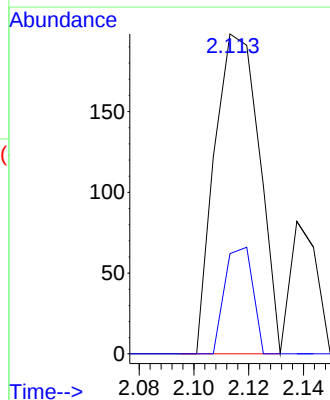
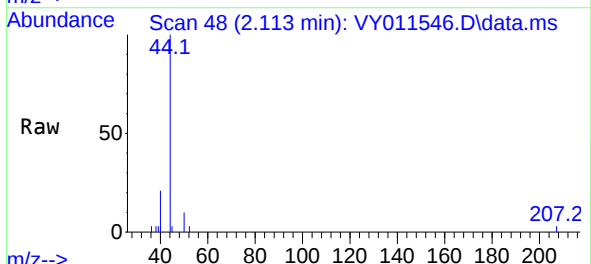
Instrument :
MSVOA_Y
ClientSampleId :

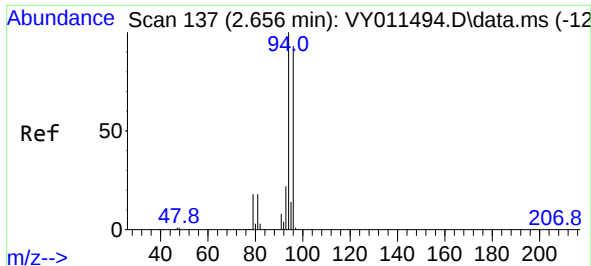
Tgt Ion:168 Resp: 69082
Ion Ratio Lower Upper
168 100
99 59.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 31.3 24.6 37.0

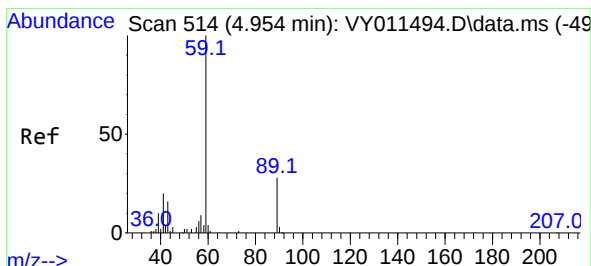
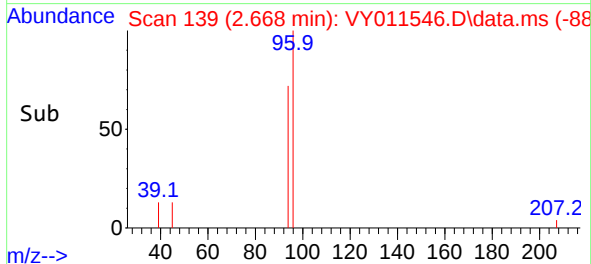
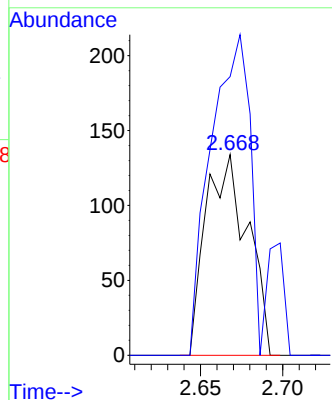
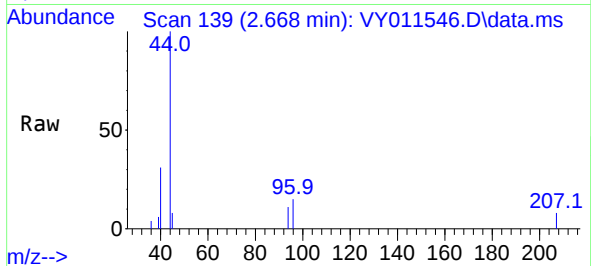




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

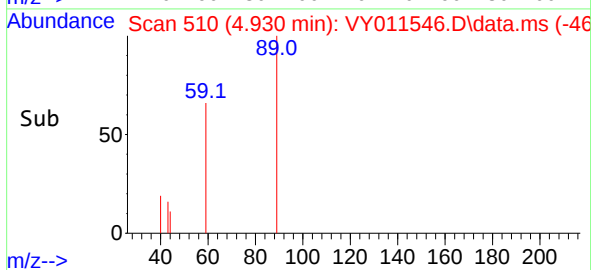
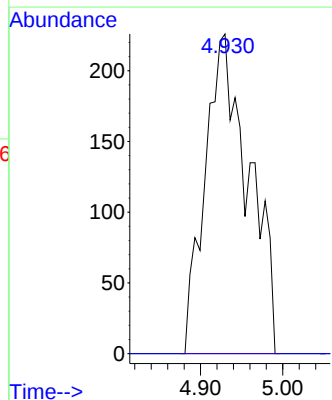
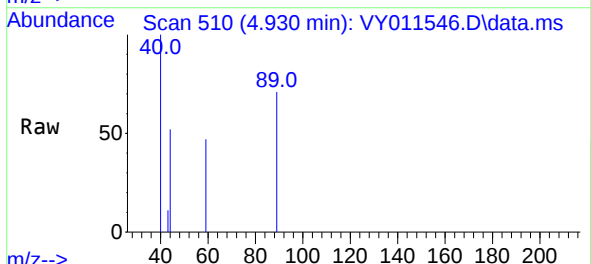
Instrument :
MSVOA_Y
ClientSampleId :

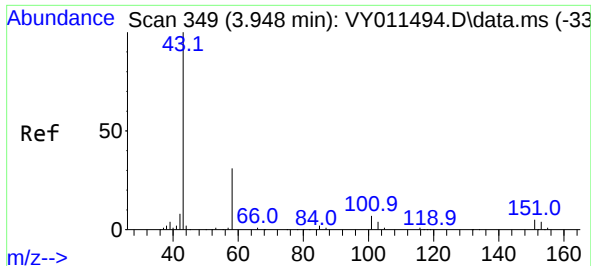
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 138.8 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion: 59 Resp: 834
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

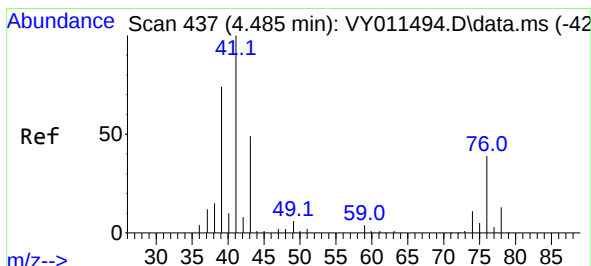
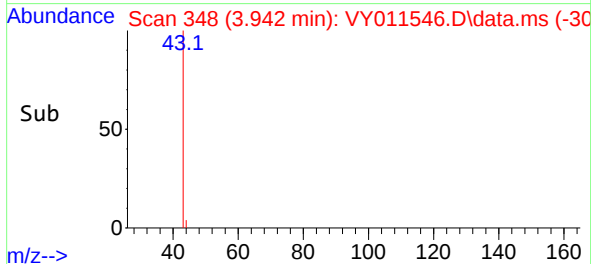
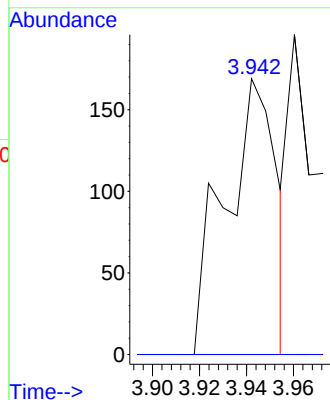
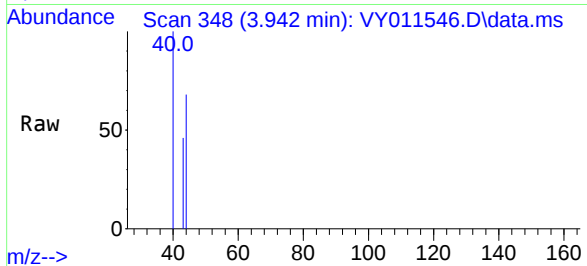




#16
Acetone
Concen: 1.124 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

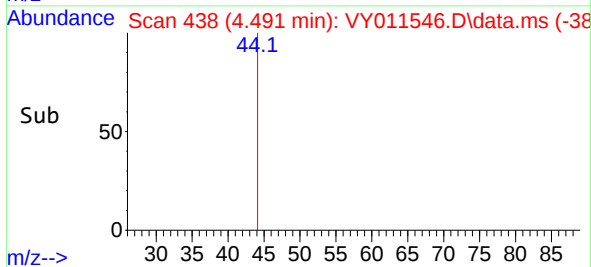
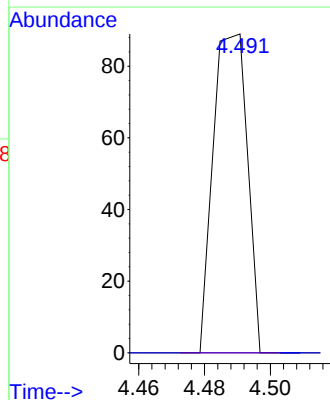
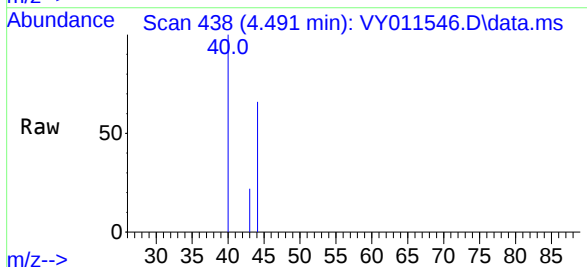
Instrument :
MSVOA_Y
ClientSampleId :

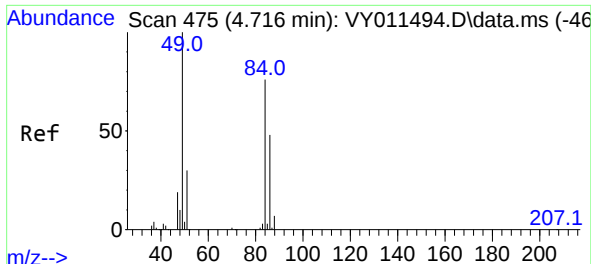
Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

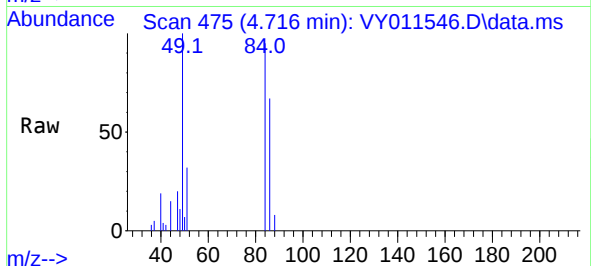
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



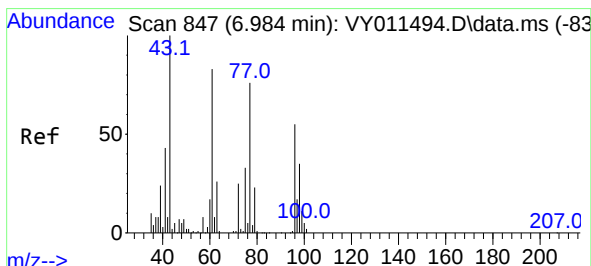
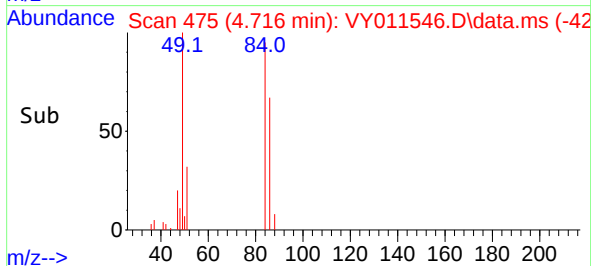
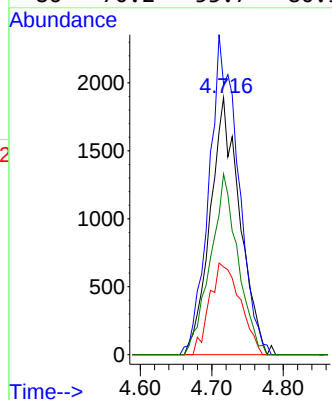


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Instrument :
MSVOA_Y
ClientSampleId :

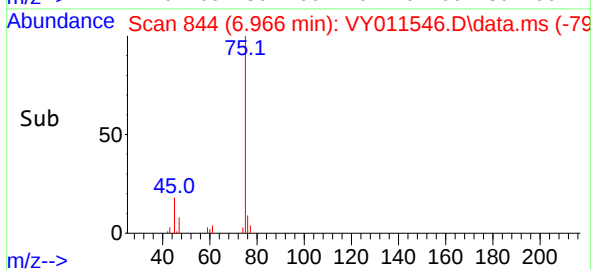
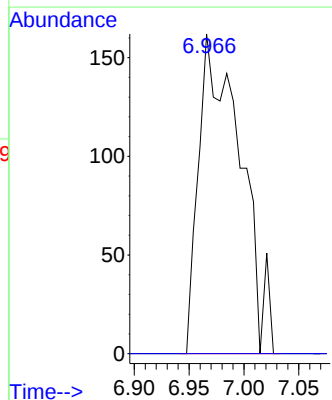
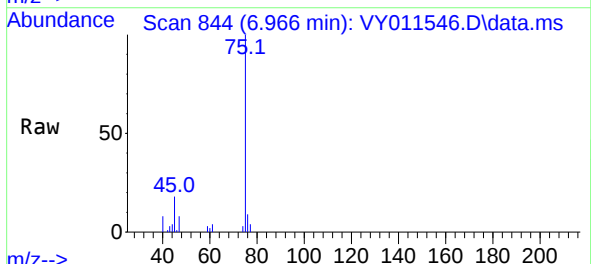


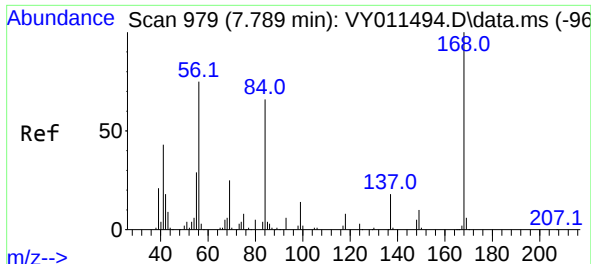
Tgt Ion: 84 Resp: 5437
Ion Ratio Lower Upper
84 100
49 105.2 114.4 171.6#
51 34.1 35.3 52.9#
86 70.2 53.7 80.5



#25
2-Butanone
Concen: 1.433 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

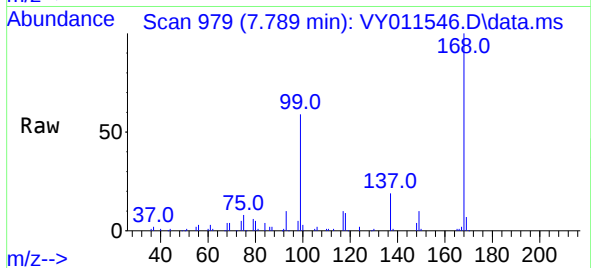
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



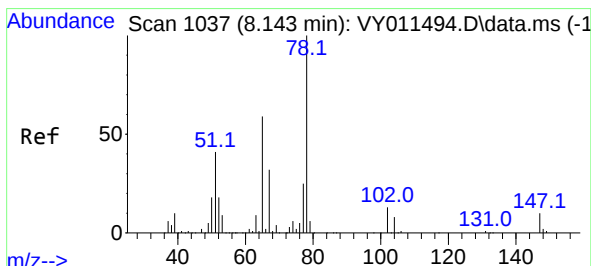
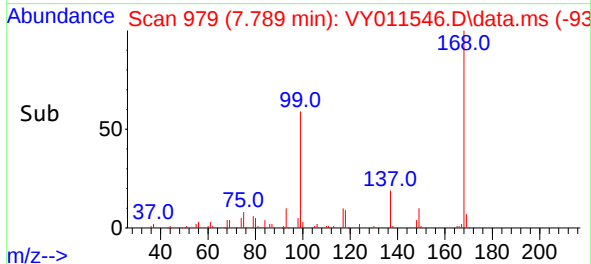
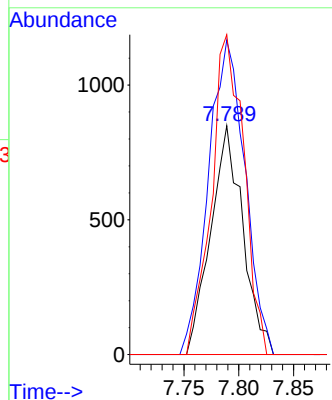


#31
Cyclohexane
Concen: 1.492 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Instrument :
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ClientSampleId :

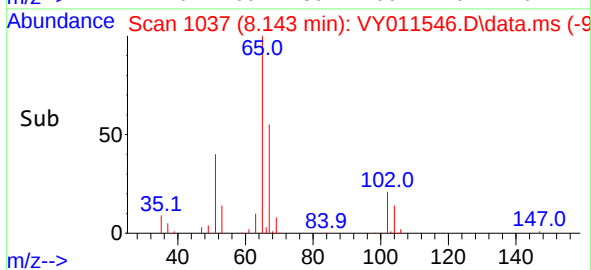
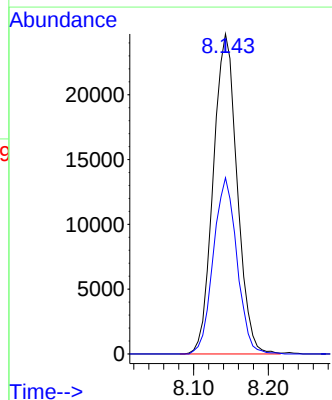
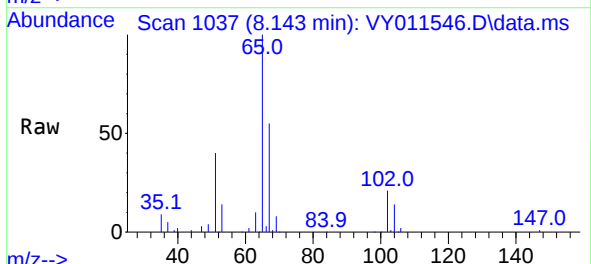


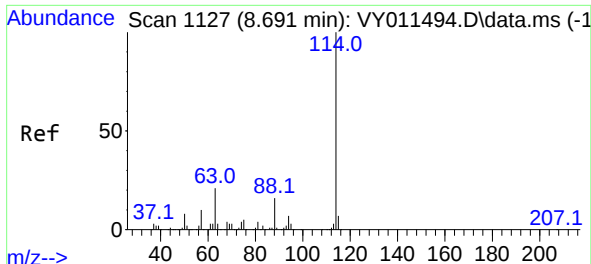
Tgt Ion: 56 Resp: 1735
Ion Ratio Lower Upper
56 100
69 137.5 26.7 40.1#
84 139.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 78.226 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion: 65 Resp: 54872
Ion Ratio Lower Upper
65 100
67 54.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011546.D

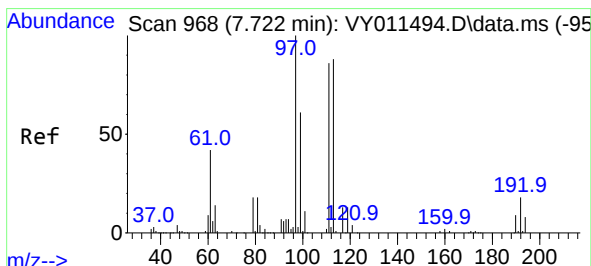
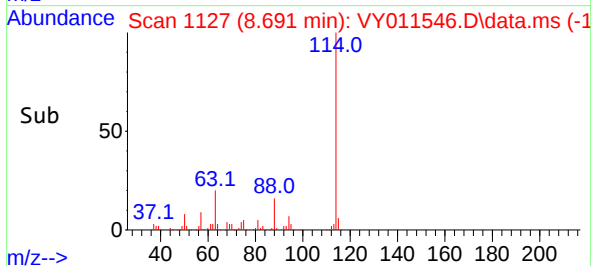
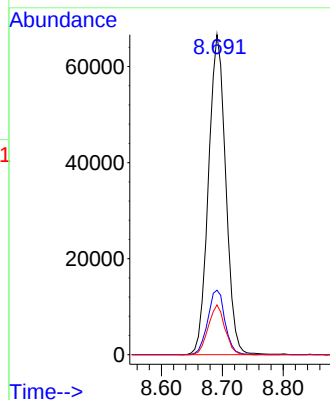
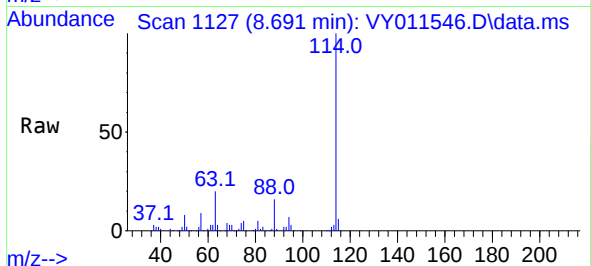
Acq: 22 Nov 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	131006
Ion	Ratio	Lower Upper
114	100	
63	20.1	0.0 43.2
88	15.5	0.0 31.8



#35

Dibromofluoromethane

Concen: 58.510 ug/l

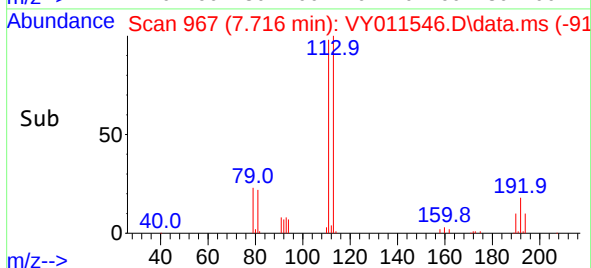
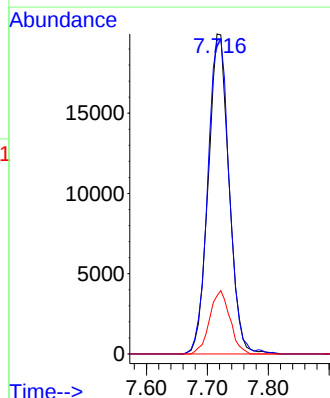
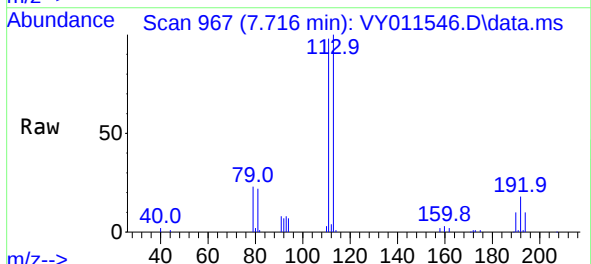
RT: 7.716 min Scan# 967

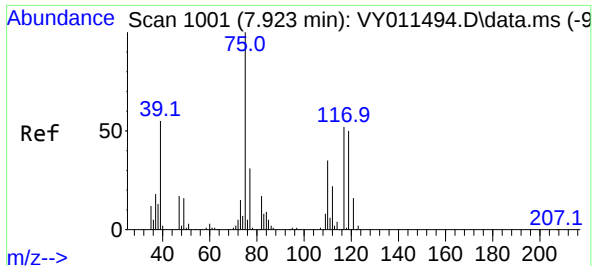
Delta R.T. -0.006 min

Lab File: VY011546.D

Acq: 22 Nov 2022 14:28

Tgt Ion:113	Resp:	47186
Ion	Ratio	Lower Upper
113	100	
111	102.3	82.6 124.0
192	19.3	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.581 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

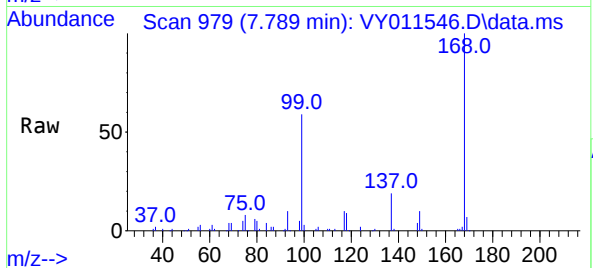
Lab File: VY011546.D

Acq: 22 Nov 2022 14:28

Instrument :

MSVOA_Y

ClientSampleId :



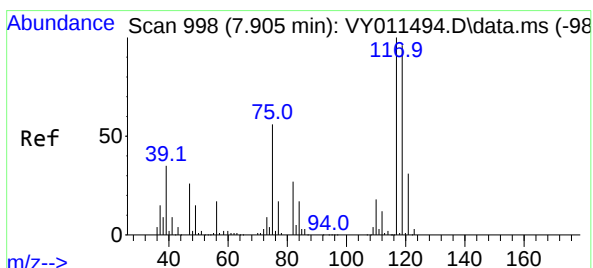
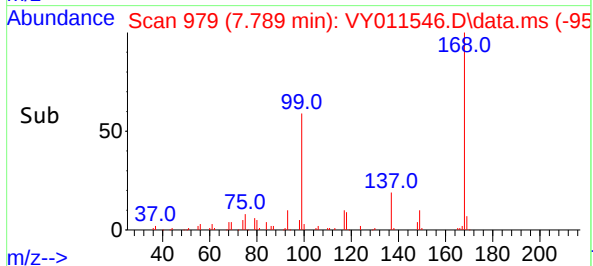
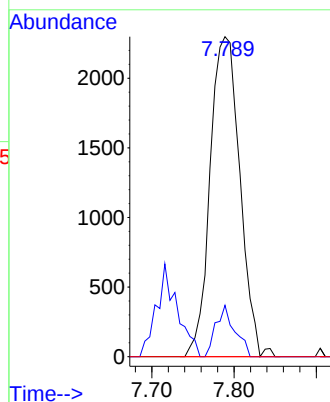
Tgt Ion: 75 Resp: 5775

Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.931 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY011546.D

Acq: 22 Nov 2022 14:28

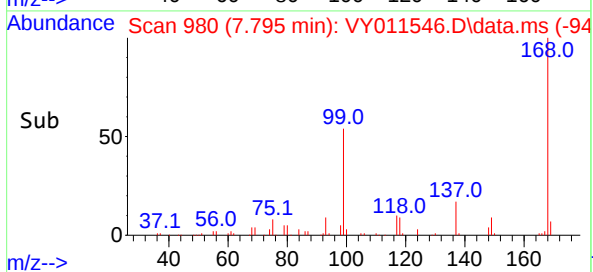
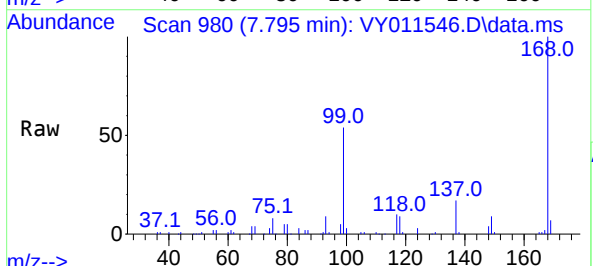
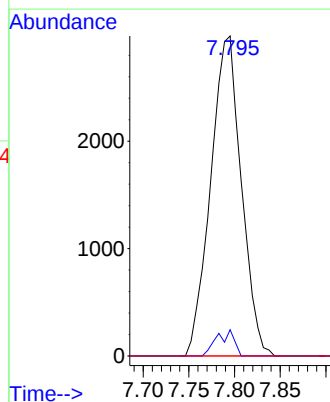
Tgt Ion: 117 Resp: 6955

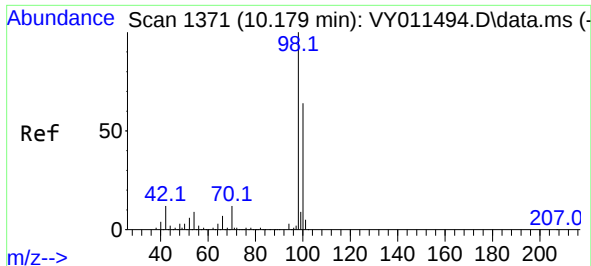
Ion Ratio Lower Upper

117 100

119 8.2 77.9 116.9#

121 0.0 24.8 37.2#

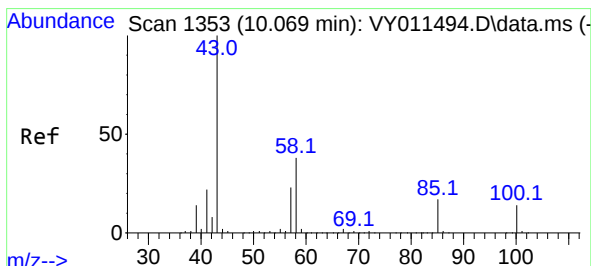
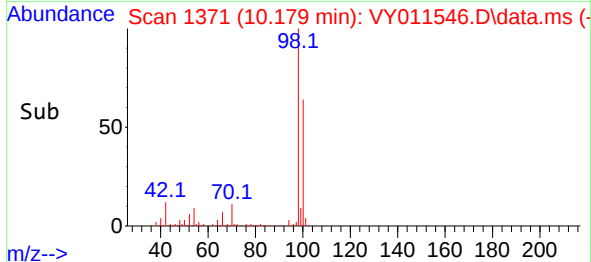
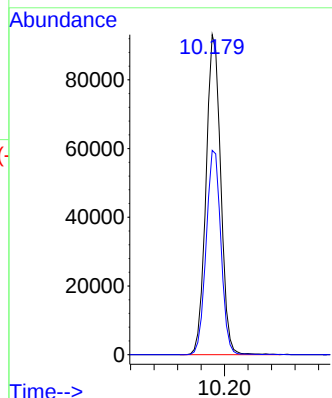
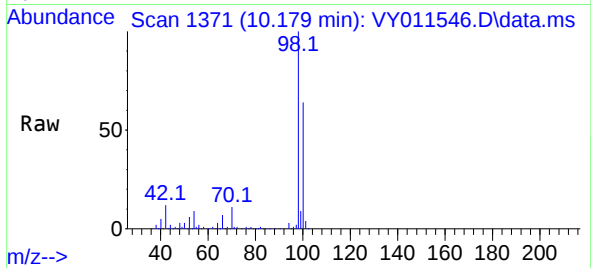




#50
Toluene-d8
Concen: 55.212 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

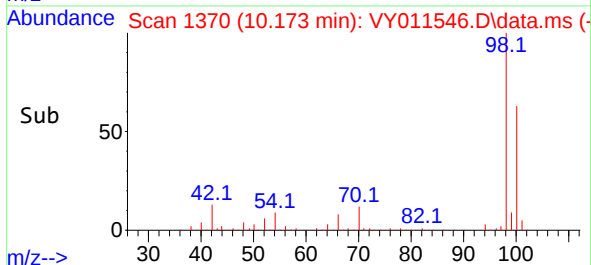
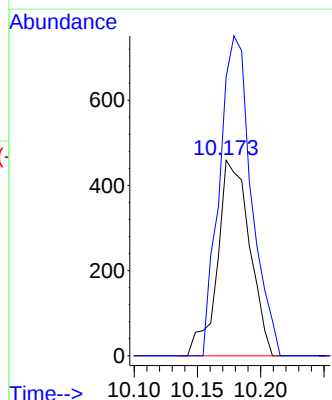
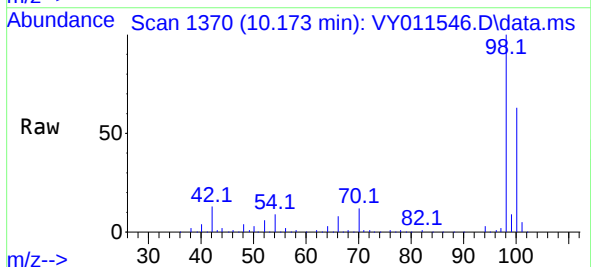
Instrument :
MSVOA_Y
ClientSampleId :

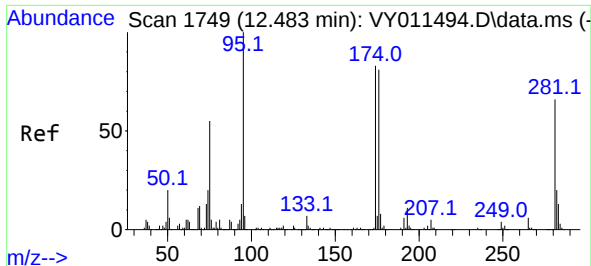
Tgt Ion: 98 Resp: 161806
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion: 43 Resp: 809
Ion Ratio Lower Upper
43 100
58 163.3 28.1 42.1#

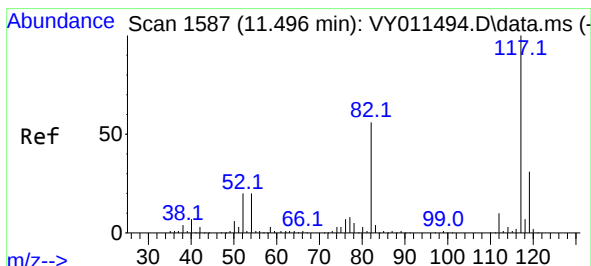
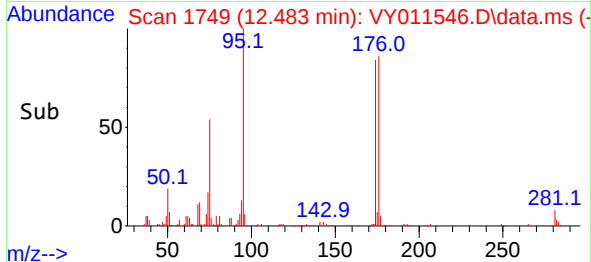
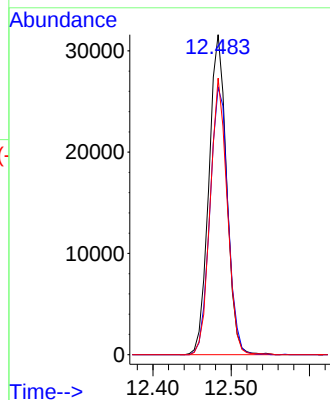
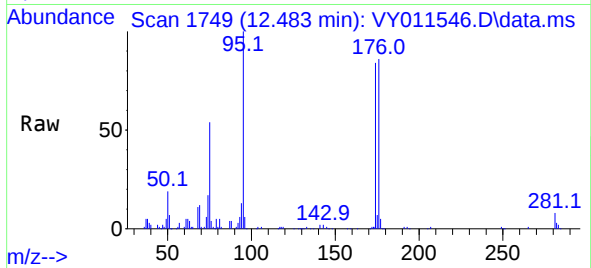




#62
4-Bromofluorobenzene
Concen: 45.890 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

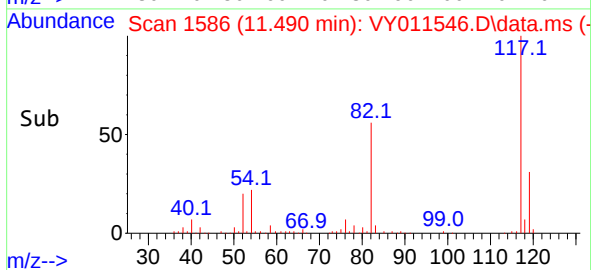
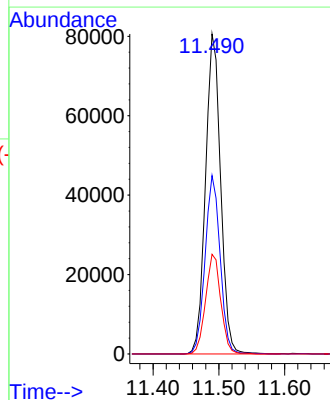
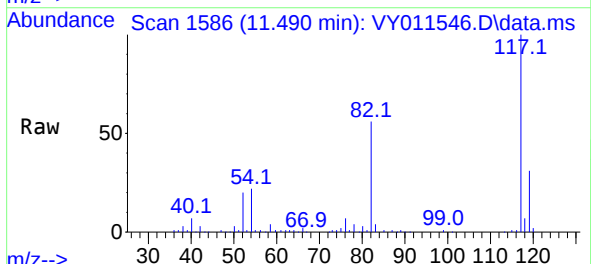
Instrument :
MSVOA_Y
ClientSampleId :

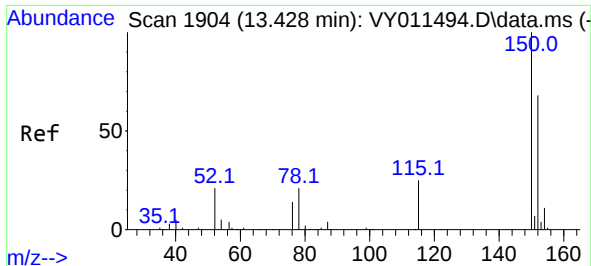
Tgt Ion: 95 Resp: 49724
Ion Ratio Lower Upper
95 100
174 84.8 0.0 177.0
176 82.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

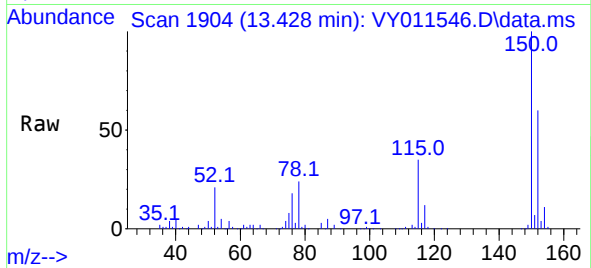
Tgt Ion: 117 Resp: 128831
Ion Ratio Lower Upper
117 100
82 55.8 43.0 64.4
119 31.1 25.4 38.0



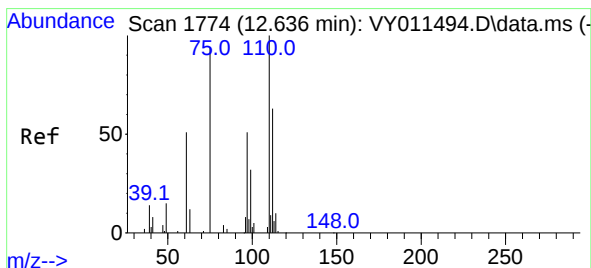
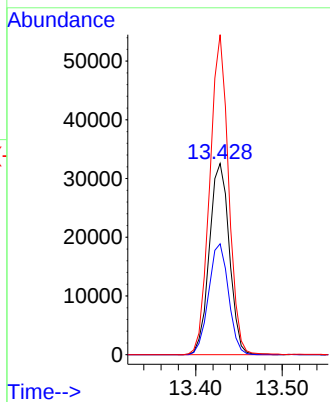
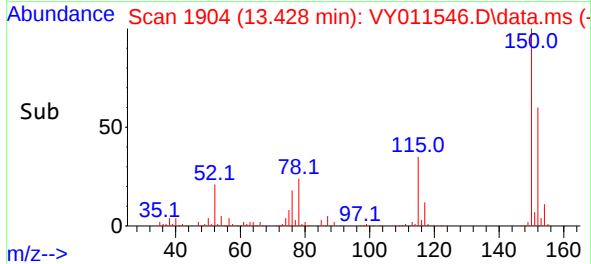


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Instrument :
MSVOA_Y
ClientSampleId :

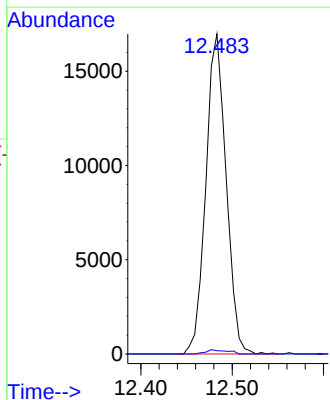
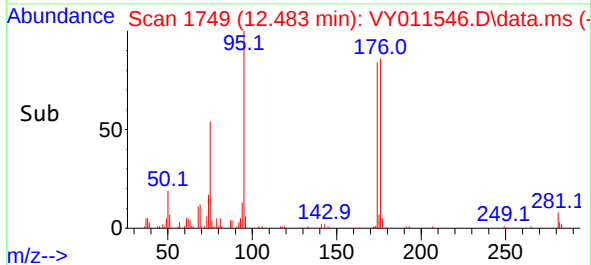
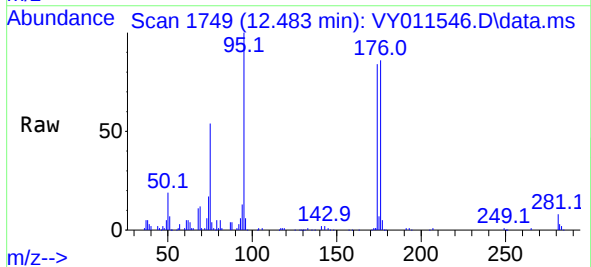


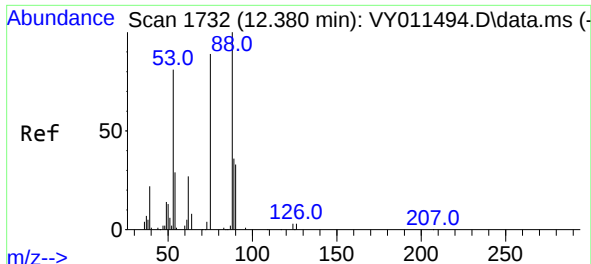
Tgt Ion:152 Resp: 52193
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.491 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion: 75 Resp: 26132
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

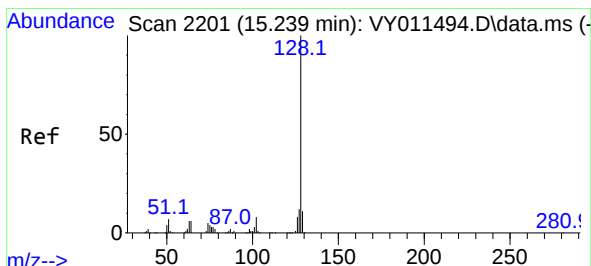
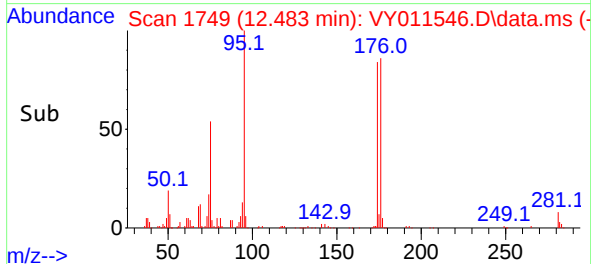
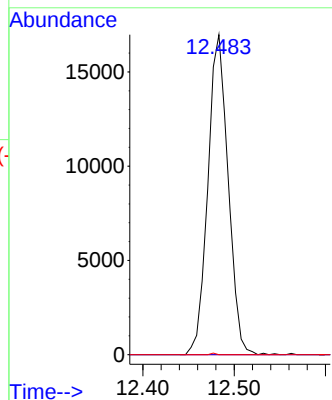
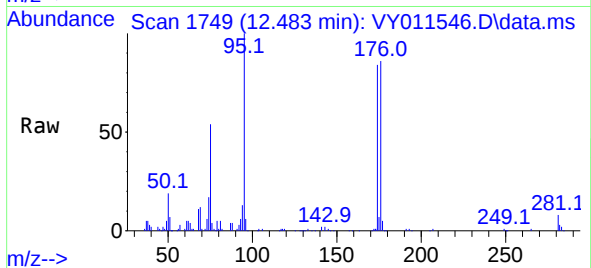




#81
trans-1,4-Dichloro-2-butene
Concen: 101.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 26132
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.111 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011546.D
Acq: 22 Nov 2022 14:28

Tgt Ion:128 Resp: 183
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

