

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011548.D
 Acq On : 22 Nov 2022 15:15
 Operator : KP/MD
 Sample : N5749-22
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:07:45 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)

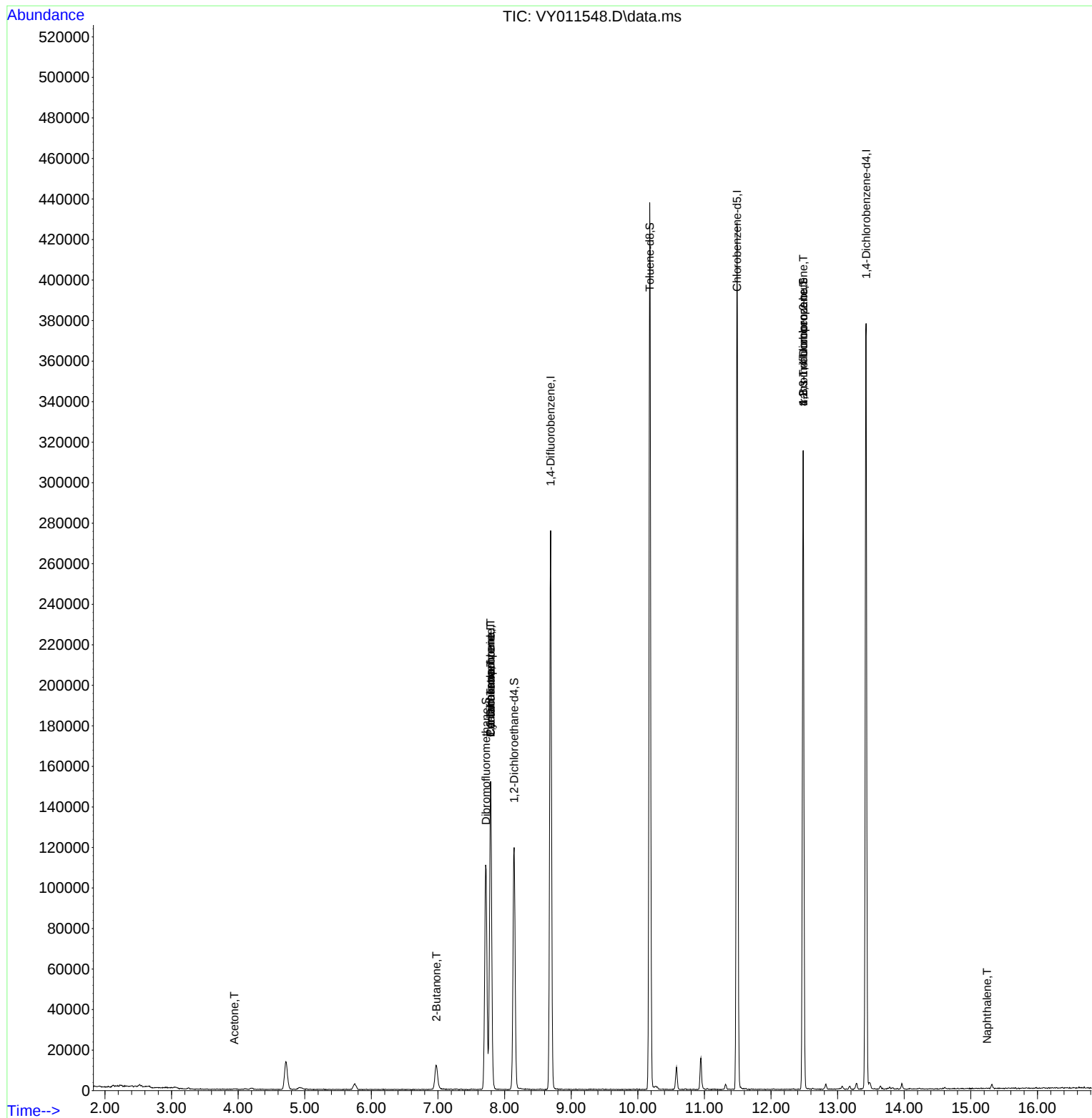
Internal Standards						
1) Pentafluorobenzene	7.789	168	114625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	222307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	224688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93522	80.352	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.700%			
35) Dibromofluoromethane	7.722	113	78335	57.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.480%			
50) Toluene-d8	10.179	98	278686	56.040	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.080%			
62) 4-Bromofluorobenzene	12.483	95	90118	49.012	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.020%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	192	Below Cal		96
5) Bromomethane	2.674	94	200	Below Cal	#	62
11) Tert butyl alcohol	4.918	59	564	Below Cal	#	77
16) Acetone	3.942	43	564	1.492	ug/l	97
18) Methyl Acetate	4.729	43	26	Below Cal	#	56
20) Methylene Chloride	4.722	84	10316	Below Cal		92
25) 2-Butanone	6.978	43	695	1.399	ug/l #	54
31) Cyclohexane	7.789	56	2608	1.352	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9375	4.383	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11960	4.997	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48138	47.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48138	103.848	ug/l #	7
95) Naphthalene	15.245	128	99	4.047	ug/l #	69

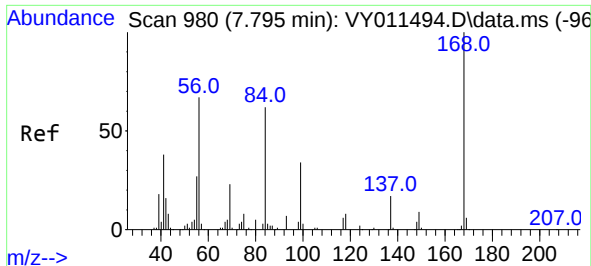
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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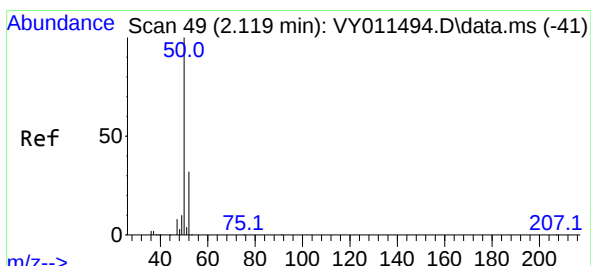
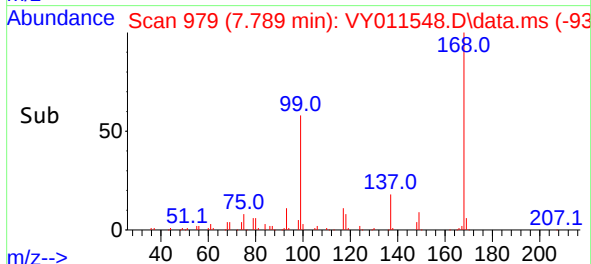
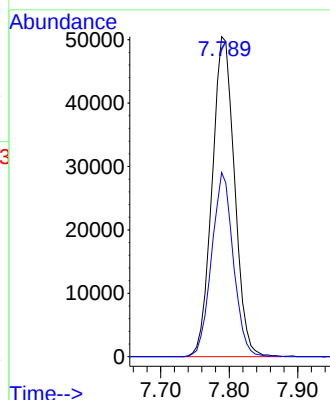
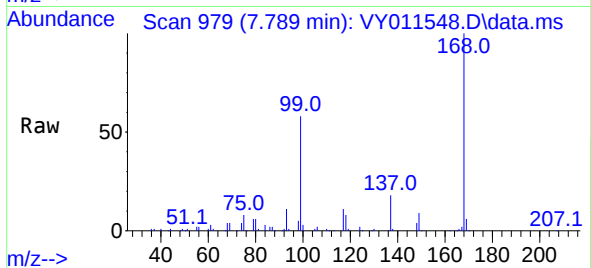




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

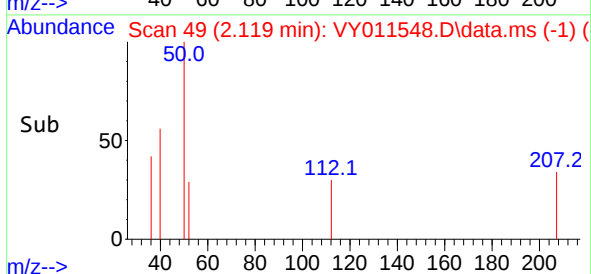
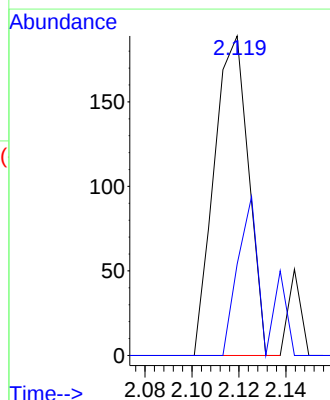
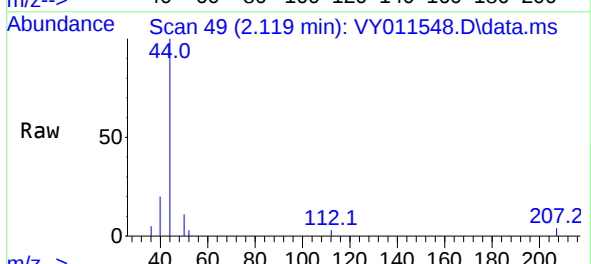
Instrument :
MSVOA_Y
ClientSampleId :

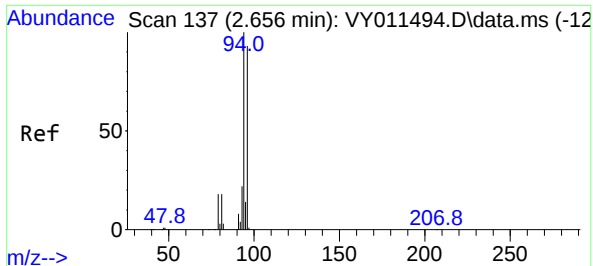
Tgt Ion:168 Resp: 114625
Ion Ratio Lower Upper
168 100
99 57.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 28.6 24.6 37.0

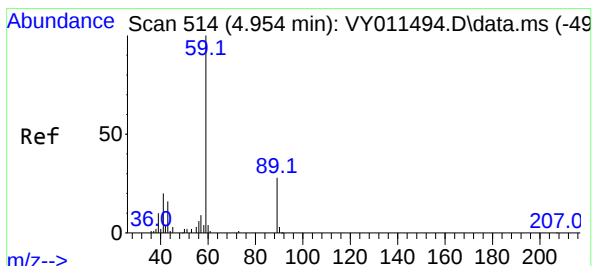
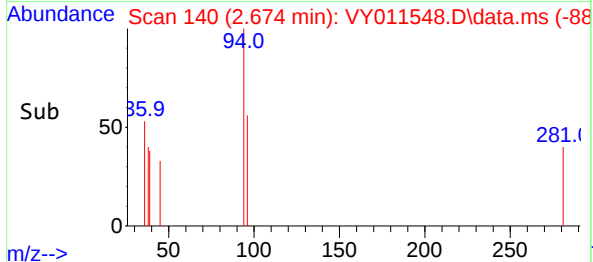
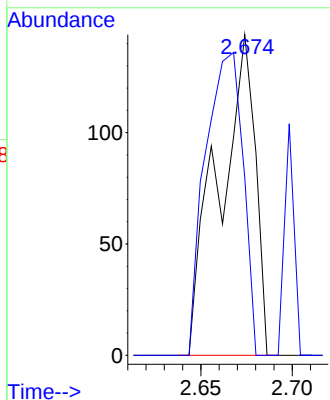
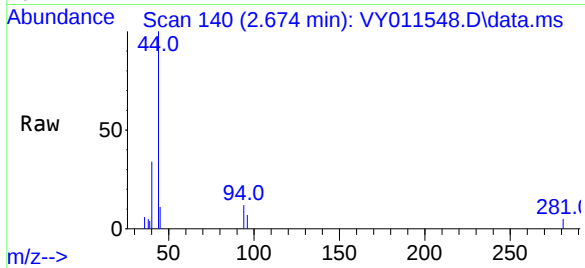




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

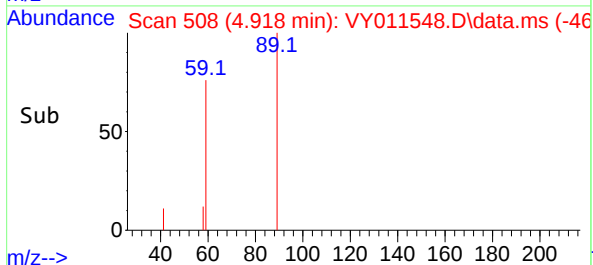
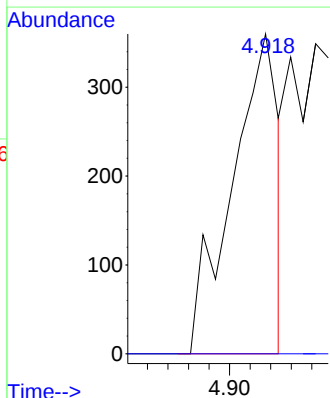
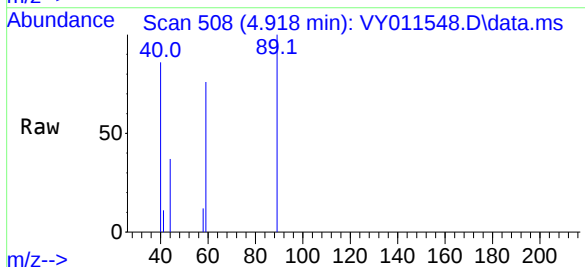
Instrument :
MSVOA_Y
ClientSampleId :

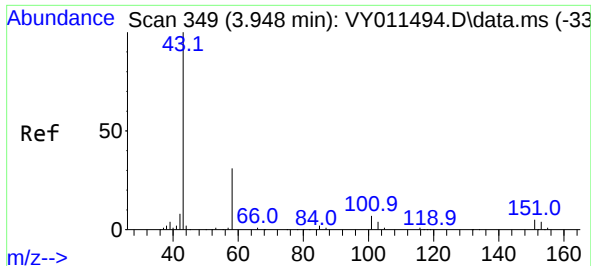
Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 55.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.036 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

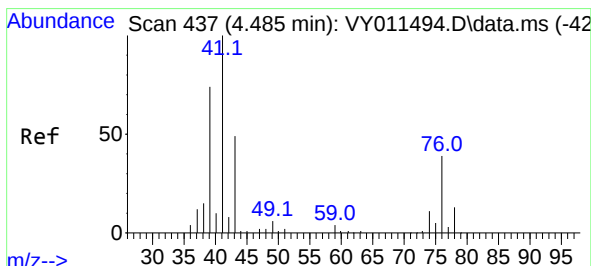
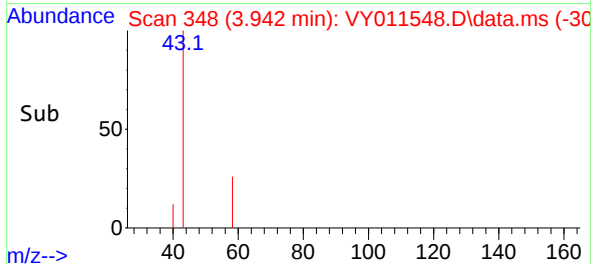
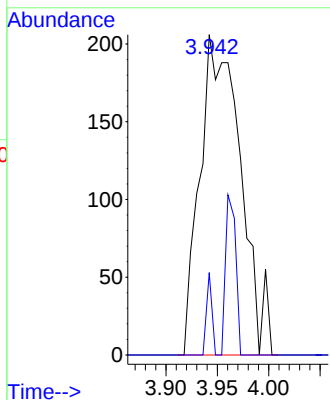
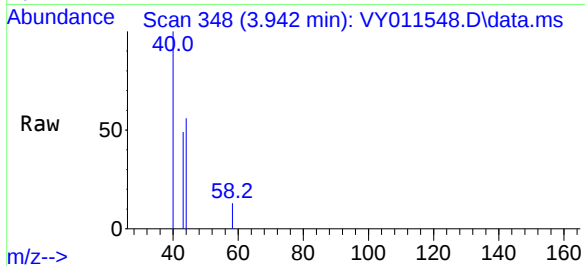




#16
Acetone
Concen: 1.492 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

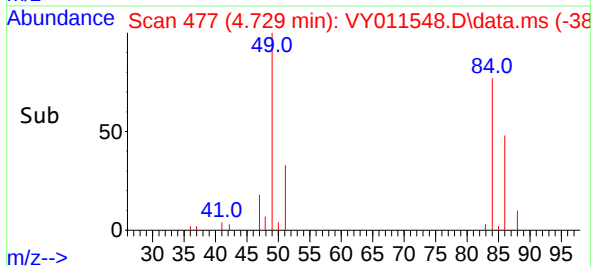
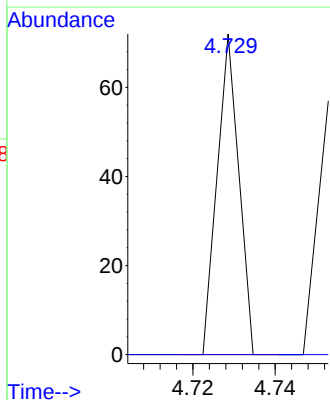
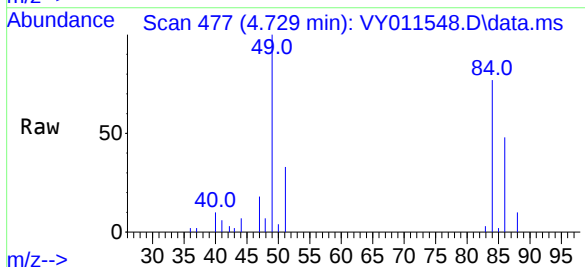
Instrument :
MSVOA_Y
ClientSampleId :

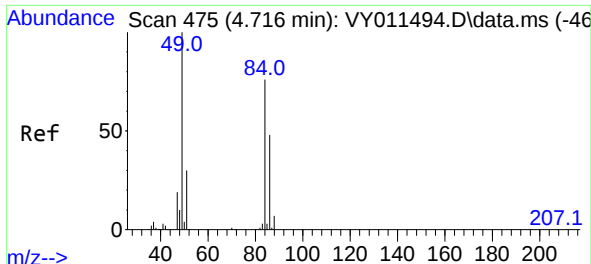
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 25.7 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.244 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

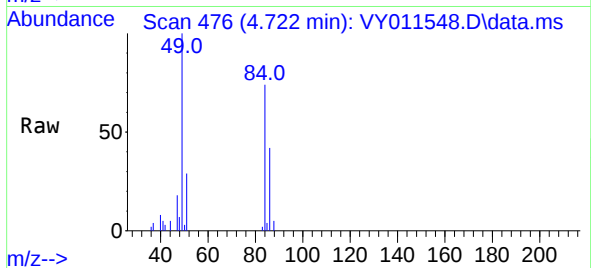
Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



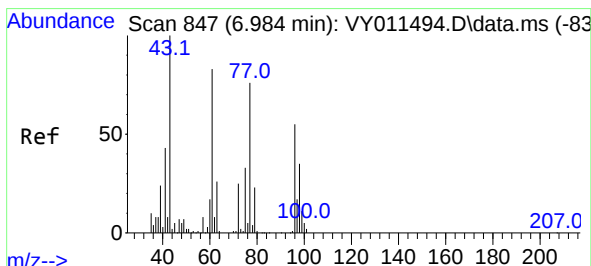
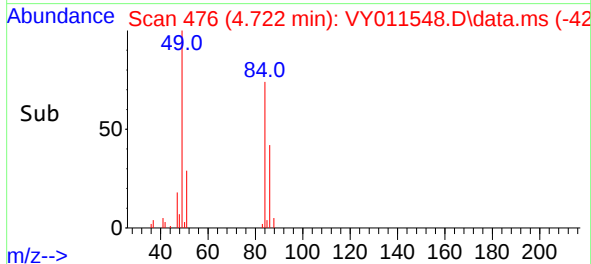
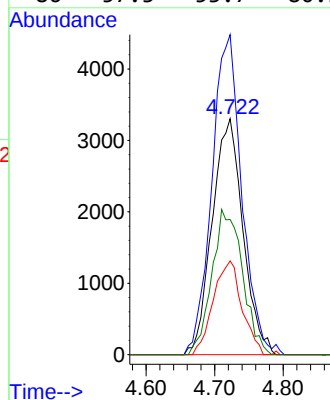


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

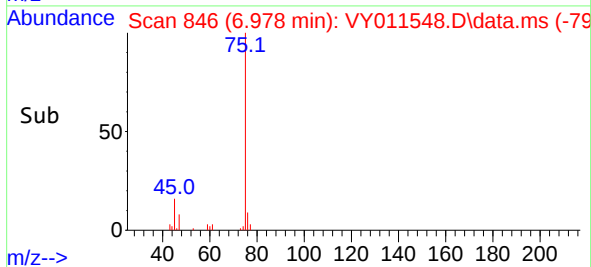
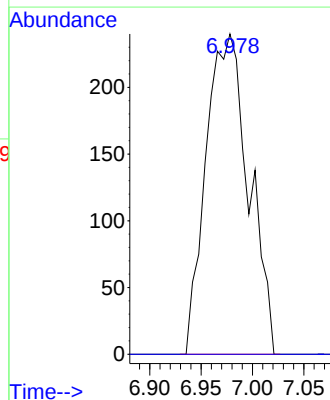
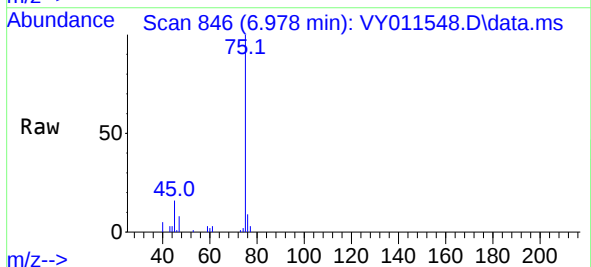


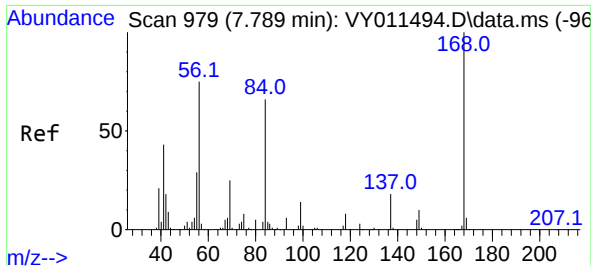
Tgt Ion: 84 Resp: 10316
Ion Ratio Lower Upper
84 100
49 135.6 114.4 171.6
51 39.7 35.3 52.9
86 57.3 53.7 80.5



#25
2-Butanone
Concen: 1.399 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

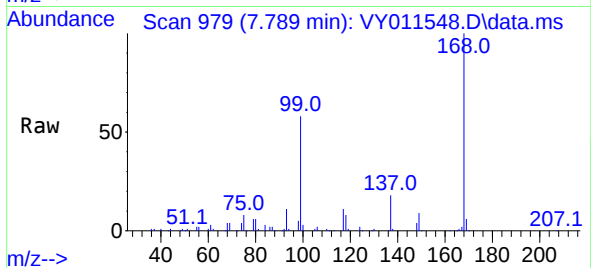
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



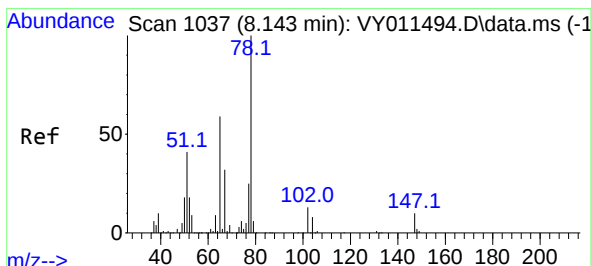
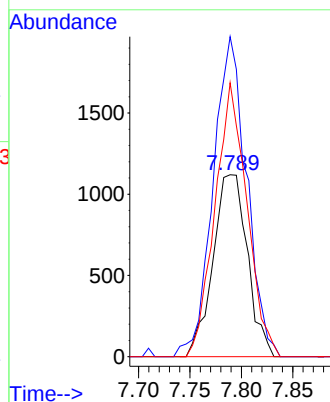
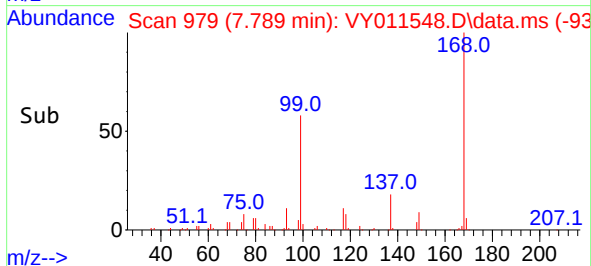


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

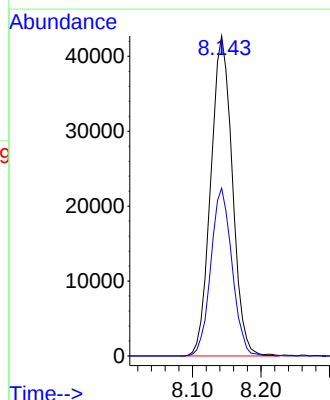
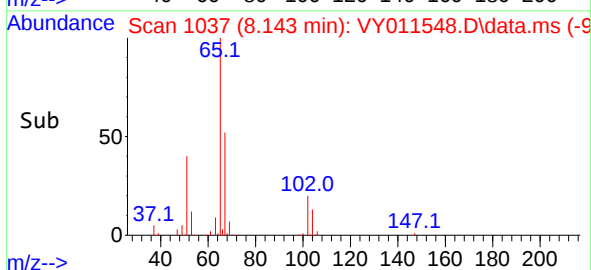
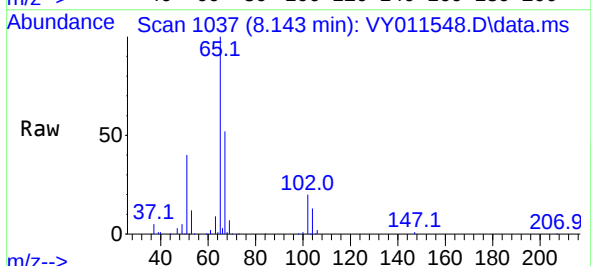


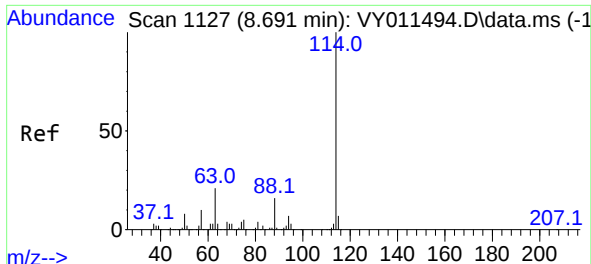
Tgt Ion: 56 Resp: 2608
Ion Ratio Lower Upper
56 100
69 175.9 26.7 40.1#
84 150.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 80.352 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 65 Resp: 93522
Ion Ratio Lower Upper
65 100
67 51.4 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: VY011548.D

Acq: 22 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

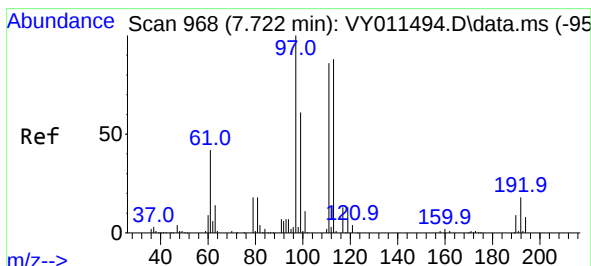
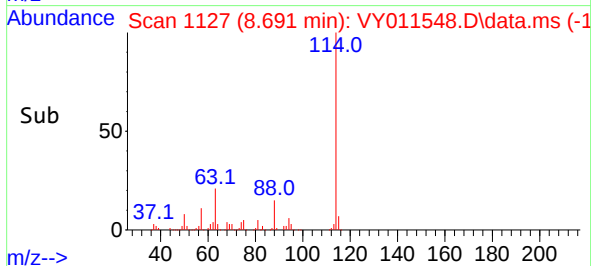
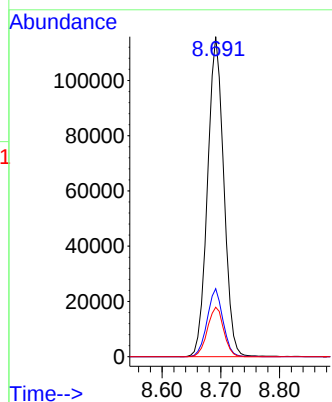
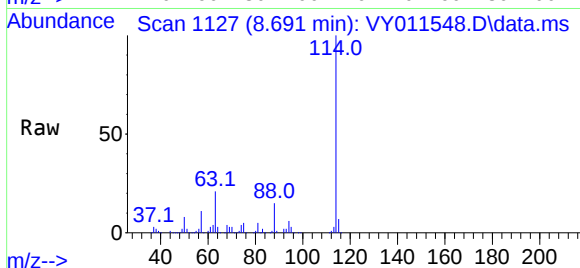
Tgt Ion:114 Resp: 222307

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 57.241 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY011548.D

Acq: 22 Nov 2022 15:15

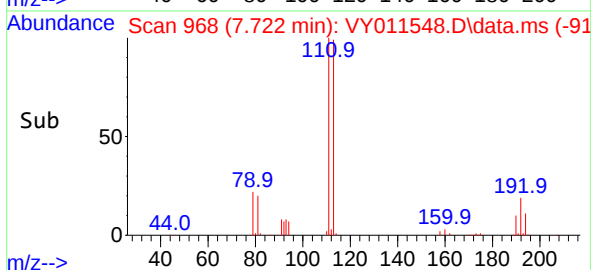
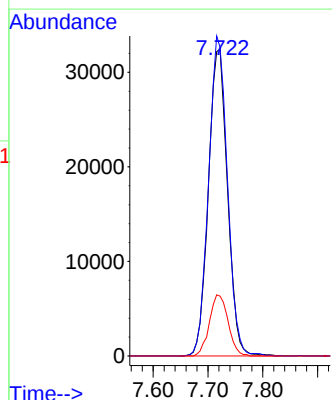
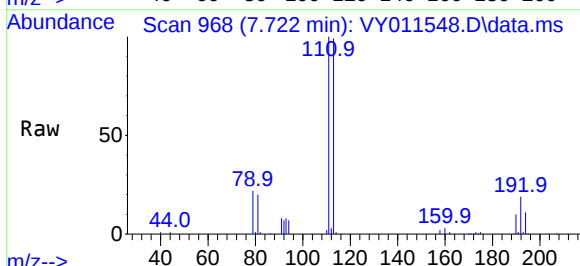
Tgt Ion:113 Resp: 78335

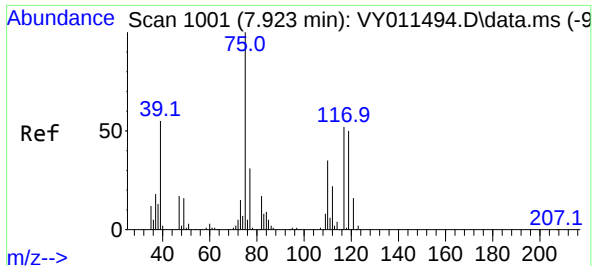
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

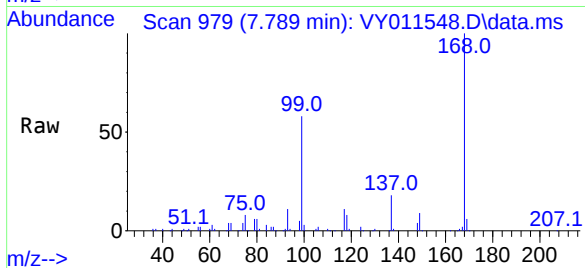
192 19.5 17.6 26.4



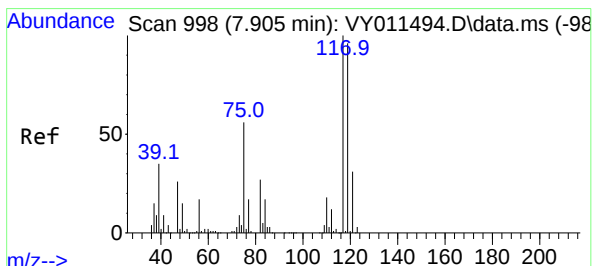
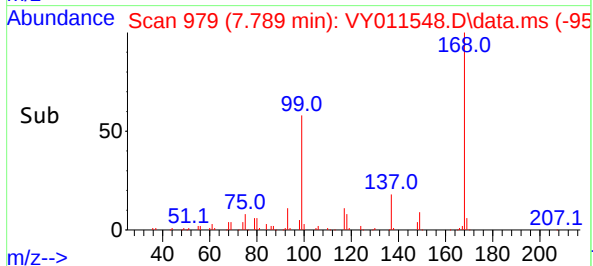
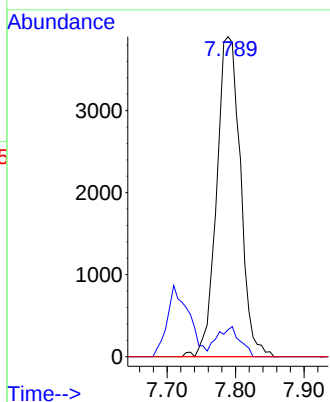


#36
1,1-Dichloropropene
Concen: 4.383 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Instrument :
MSVOA_Y
ClientSampleId :

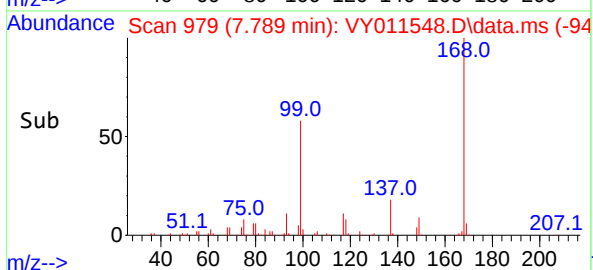
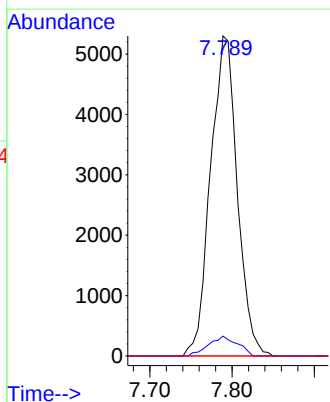
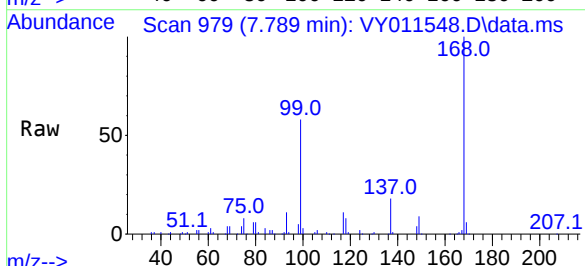


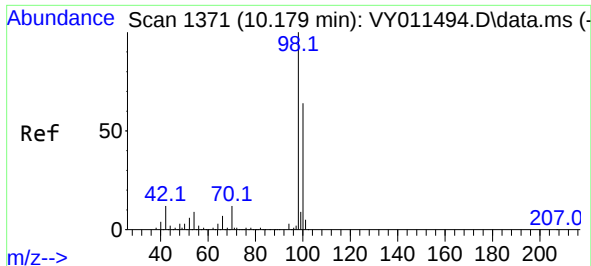
Tgt Ion: 75 Resp: 9375
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.997 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 117 Resp: 11960
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

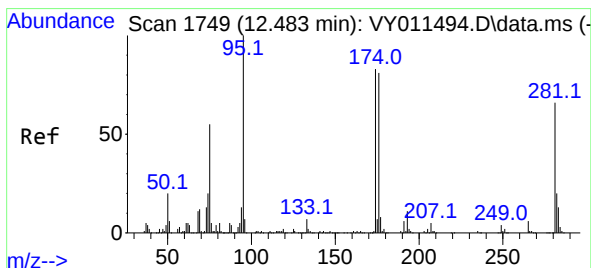
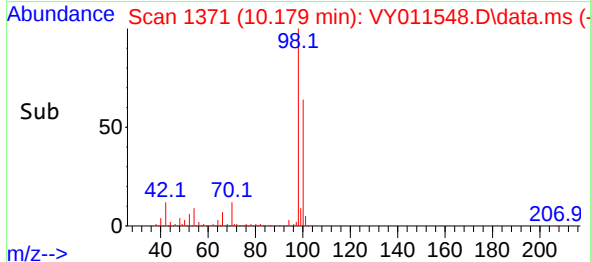
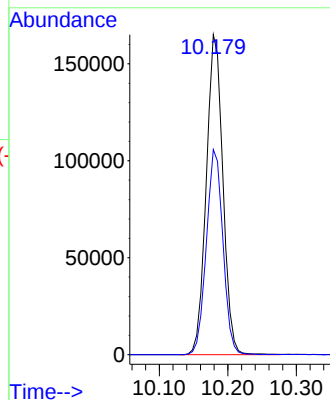
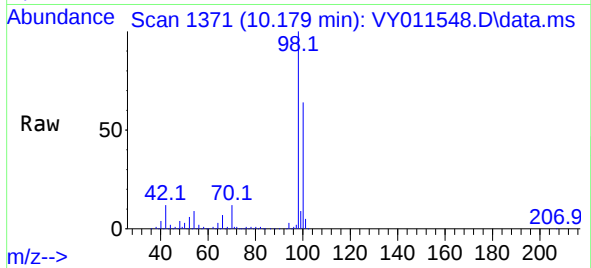




#50
Toluene-d8
Concen: 56.040 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

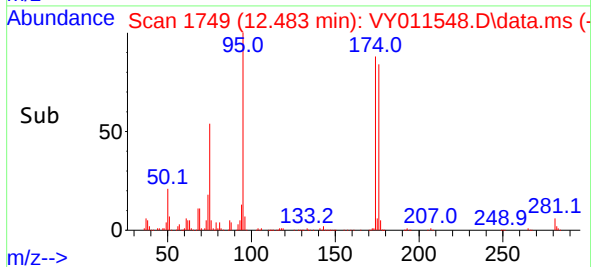
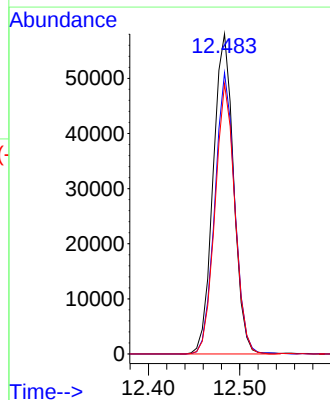
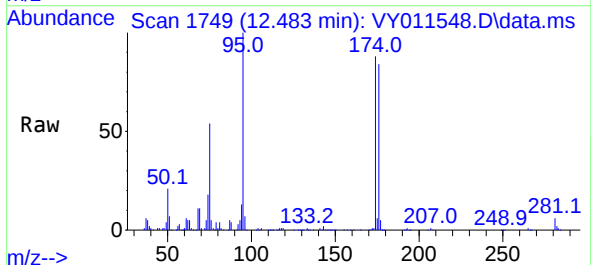
Instrument :
MSVOA_Y
ClientSampleId :

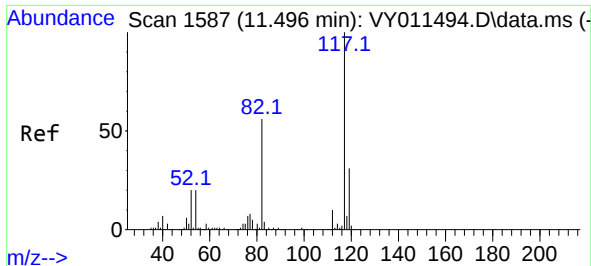
Tgt Ion: 98 Resp: 278686
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.012 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 95 Resp: 90118
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 81.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY011548.D

Acq: 22 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :

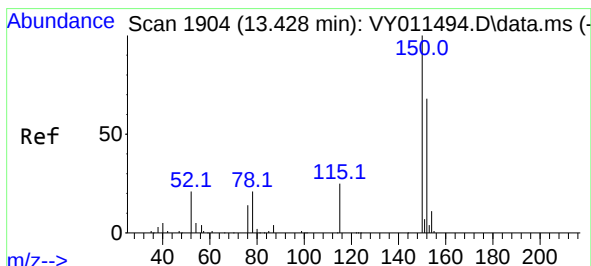
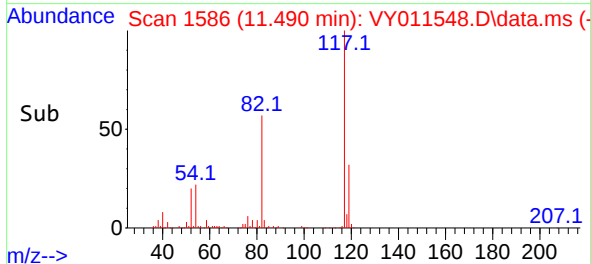
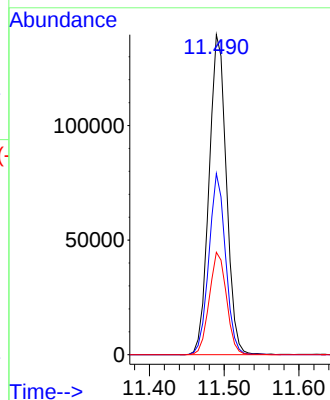
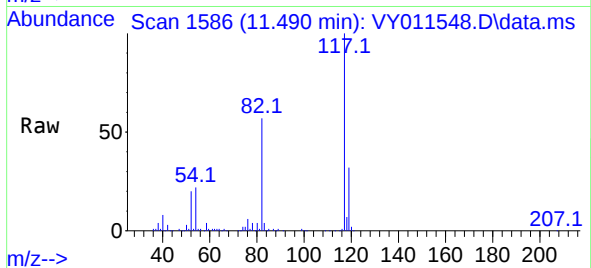
Tgt Ion:117 Resp: 224688

Ion Ratio Lower Upper

117 100

82 56.6 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: VY011548.D

Acq: 22 Nov 2022 15:15

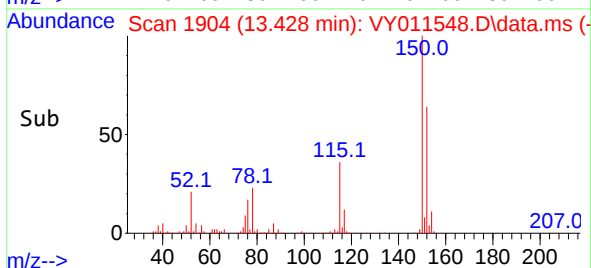
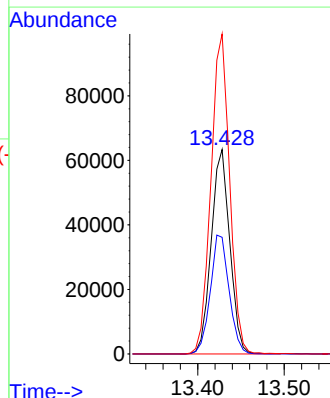
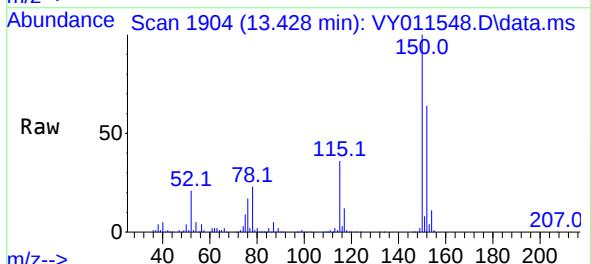
Tgt Ion:152 Resp: 94278

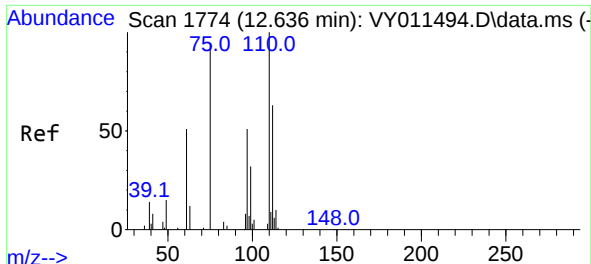
Ion Ratio Lower Upper

152 100

115 58.9 28.2 84.7

150 158.1 0.0 347.6

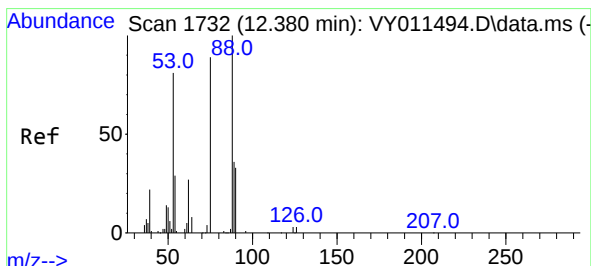
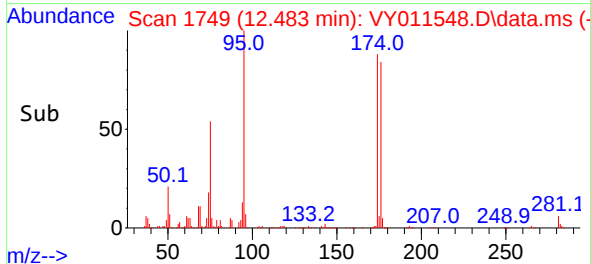
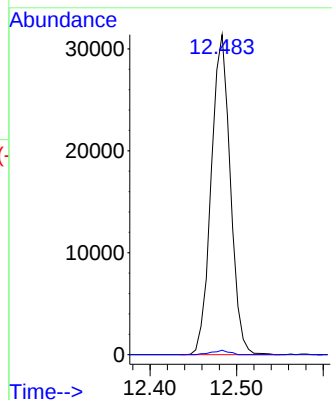
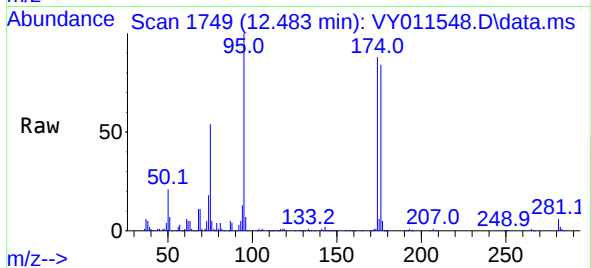




#76
1,2,3-Trichloropropane
Concen: 47.412 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

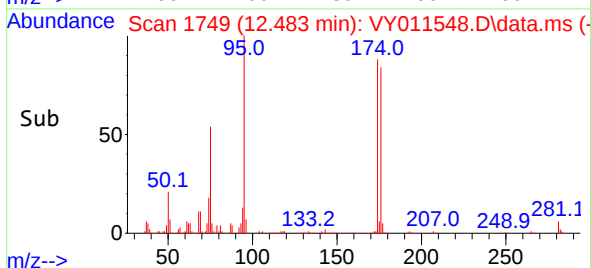
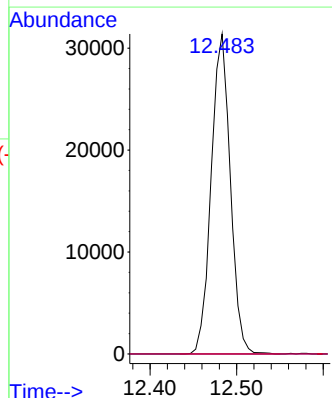
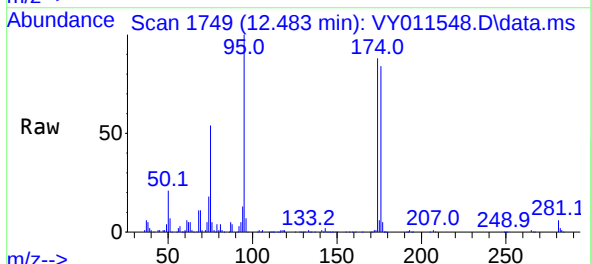
Instrument :
MSVOA_Y
ClientSampleId :

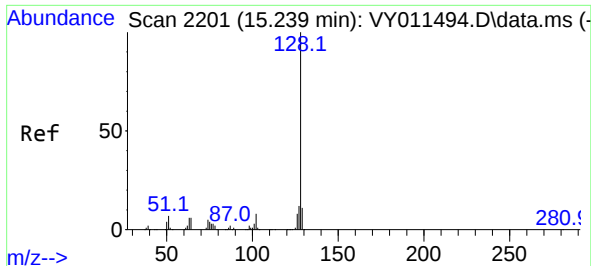
Tgt Ion: 75 Resp: 48138
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.848 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011548.D
Acq: 22 Nov 2022 15:15

Tgt Ion: 75 Resp: 48138
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.047 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

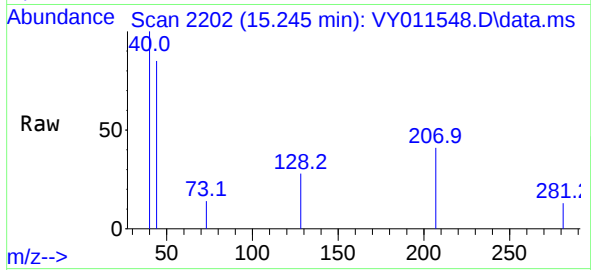
Lab File: VY011548.D

Acq: 22 Nov 2022 15:15

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	99
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

