

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011576.D
 Acq On : 23 Nov 2022 15:34
 Operator : KP/MD
 Sample : N5766-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:38:24 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)

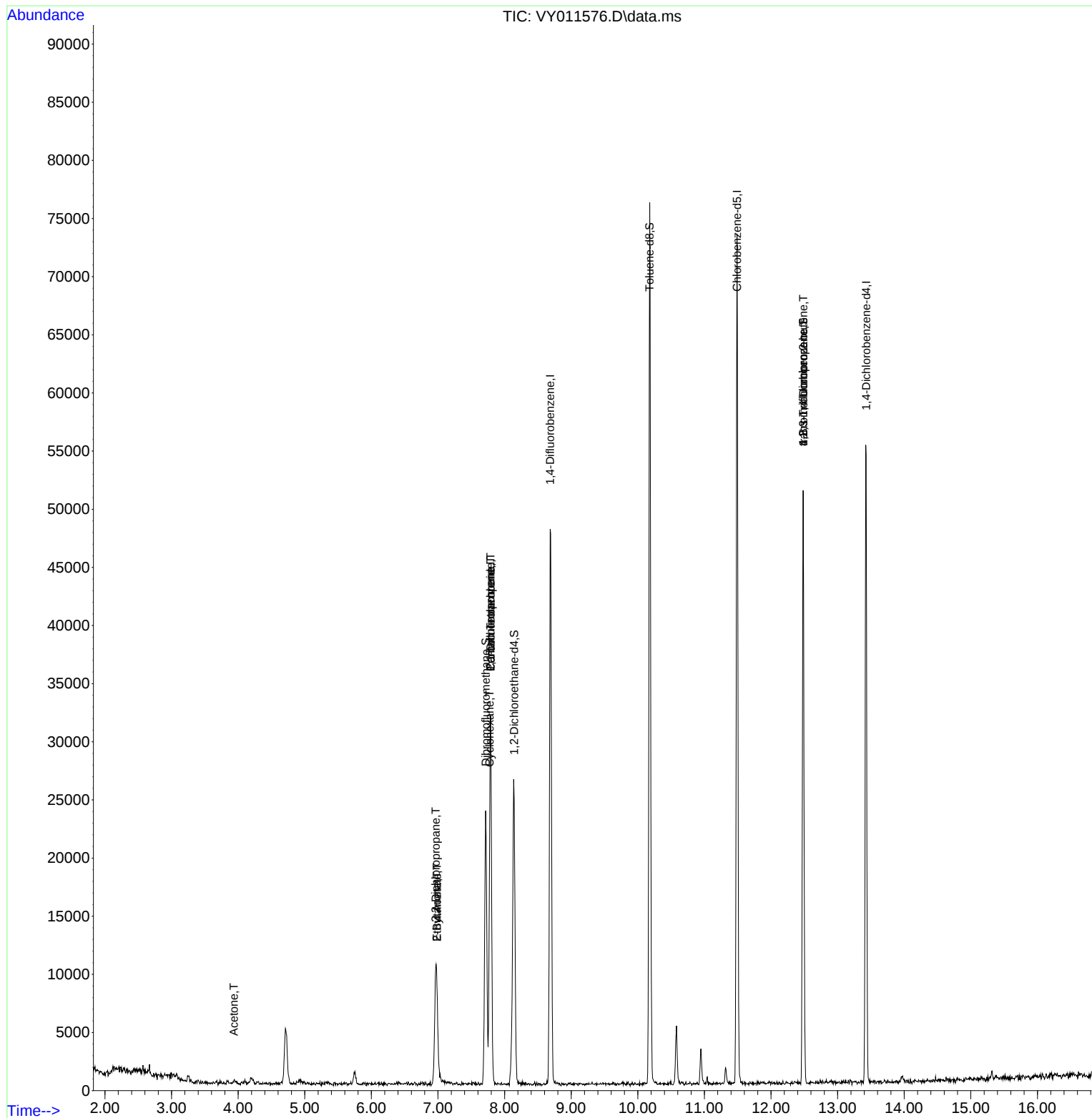
Internal Standards						
1) Pentafluorobenzene	7.789	168	25134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	41024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	38874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	19565	76.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.320%	
35) Dibromofluoromethane	7.716	113	15828	62.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.340%	
50) Toluene-d8	10.179	98	49173	53.582	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.160%	
62) 4-Bromofluorobenzene	12.483	95	14177	41.782	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	79	Below Cal	#	44
5) Bromomethane	2.668	94	104	Below Cal	#	70
11) Tert butyl alcohol	4.942	59	322	Below Cal	#	77
16) Acetone	3.936	43	192	2.316	ug/l #	87
18) Methyl Acetate	4.229	43	31	Below Cal	#	56
25) 2-Butanone	6.984	43	589	5.406	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	899	1.960	ug/l #	55
31) Cyclohexane	7.777	56	529	1.251	ug/l #	11
36) 1,1-Dichloropropene	7.789	75	2047	5.185	ug/l #	45
37) Ethyl Acetate	6.984	43	589	2.620	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2477	5.609	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	7457	47.462	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7457	103.959	ug/l #	7

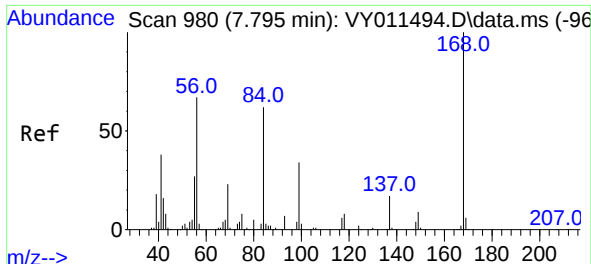
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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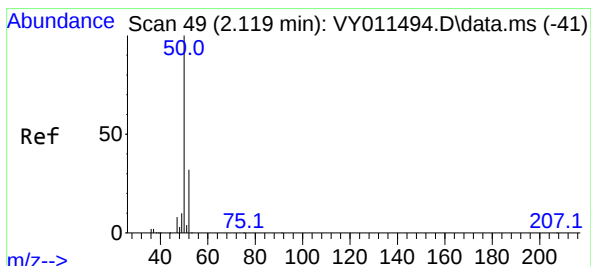
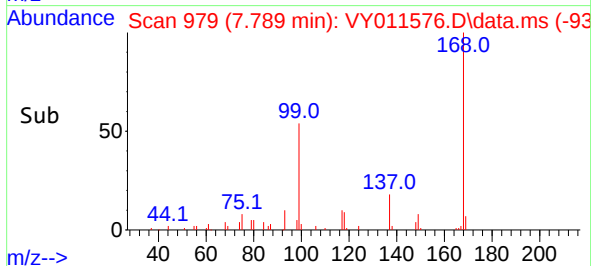
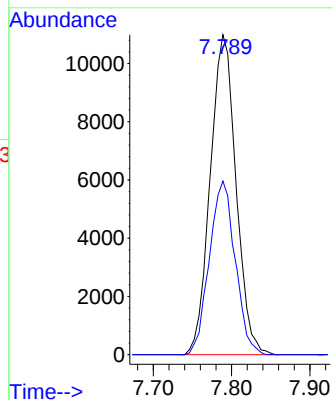
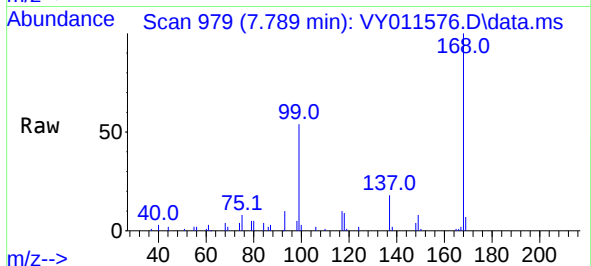




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

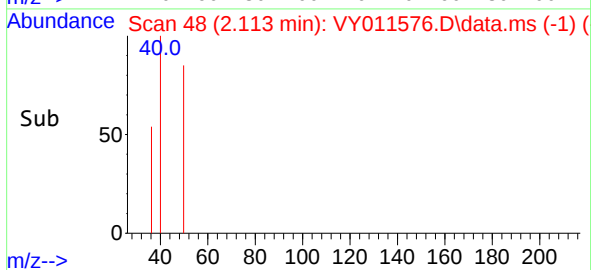
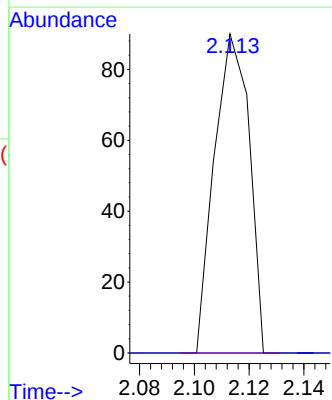
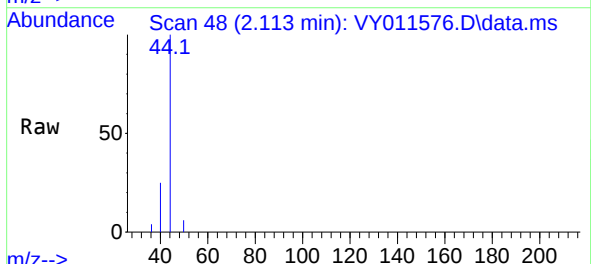
Instrument :
MSVOA_Y
ClientSampleId :

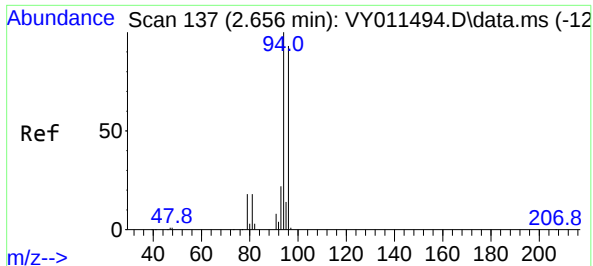
Tgt Ion:168 Resp: 25134
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

Tgt Ion: 50 Resp: 79
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

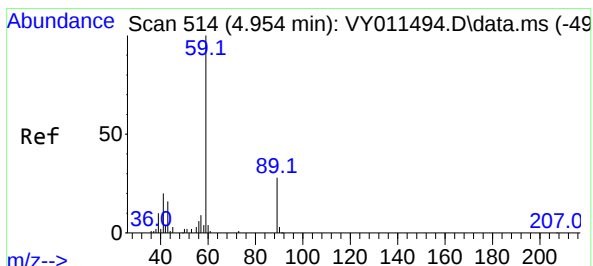
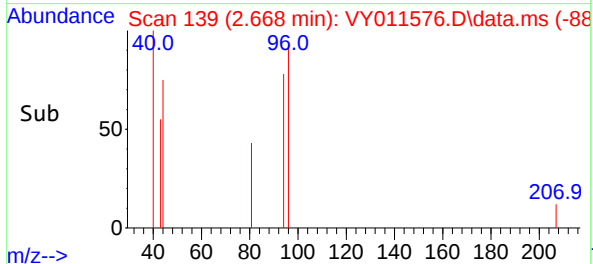
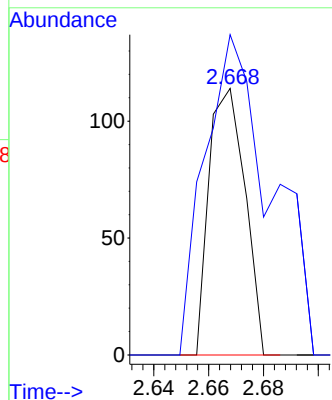
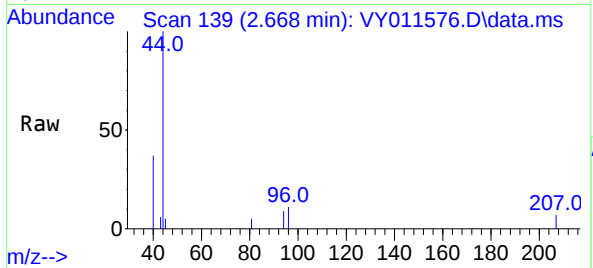




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

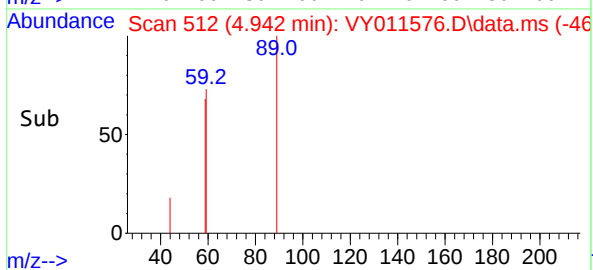
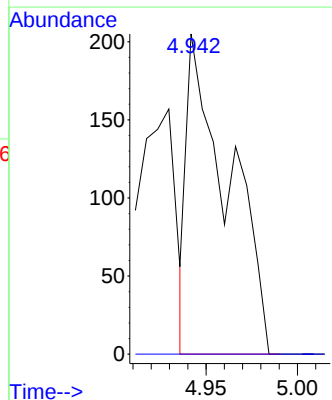
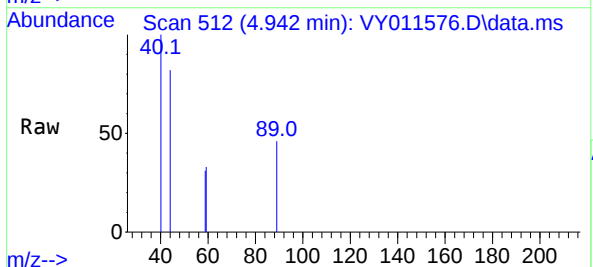
Instrument :
MSVOA_Y
ClientSampleId :

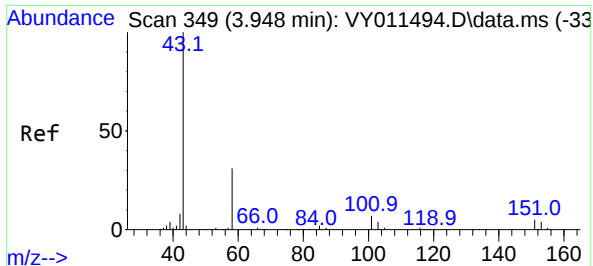
Tgt Ion: 94 Resp: 104
Ion Ratio Lower Upper
94 100
96 120.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

Tgt Ion: 59 Resp: 322
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

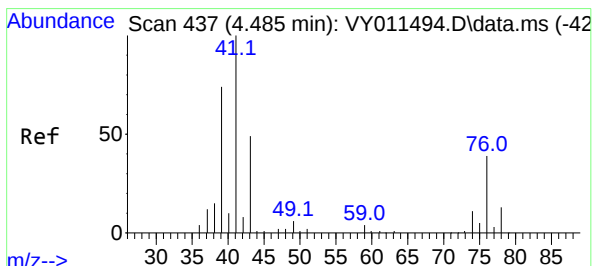
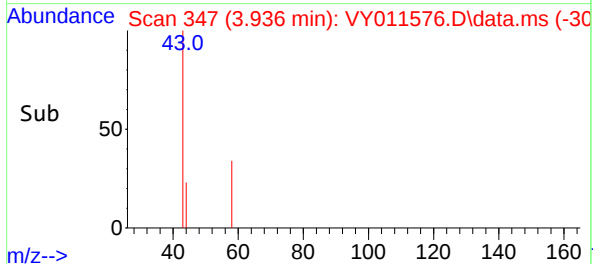
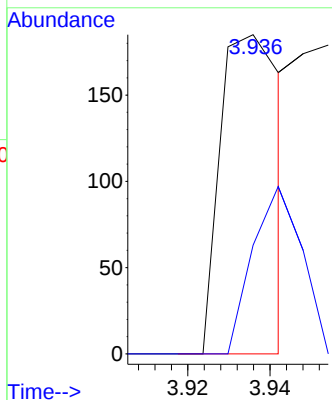
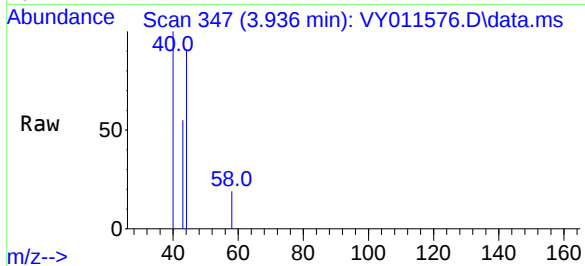




#16
Acetone
Concen: 2.316 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

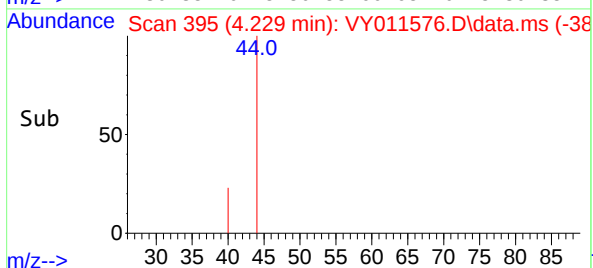
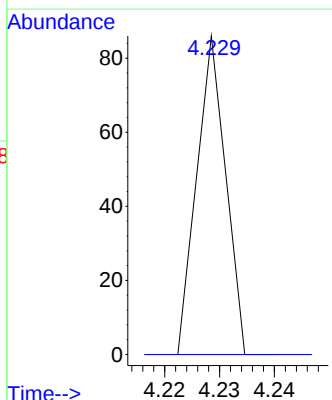
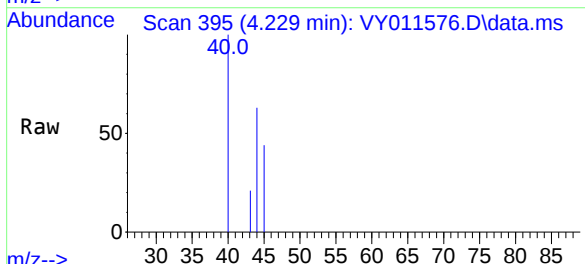
Instrument :
MSVOA_Y
ClientSampleId :

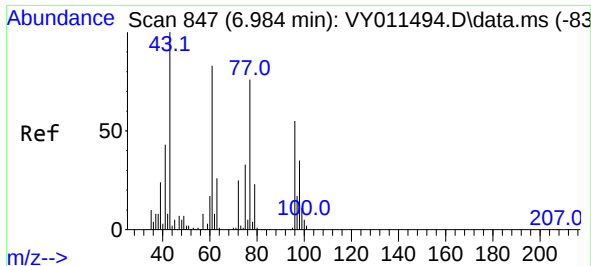
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
58 34.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.229 min Scan# 395
Delta R.T. -0.256 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

Tgt Ion: 43 Resp: 31
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

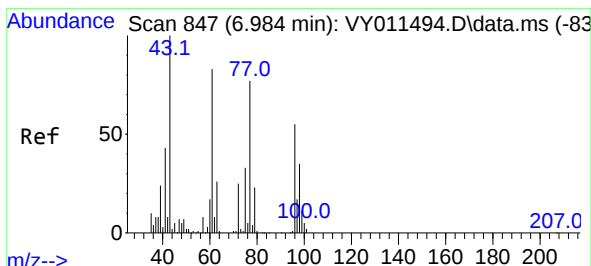
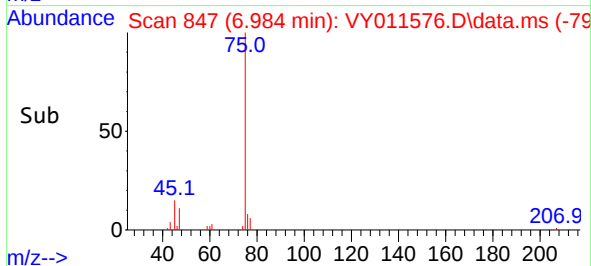
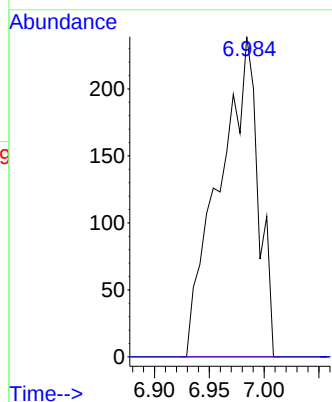
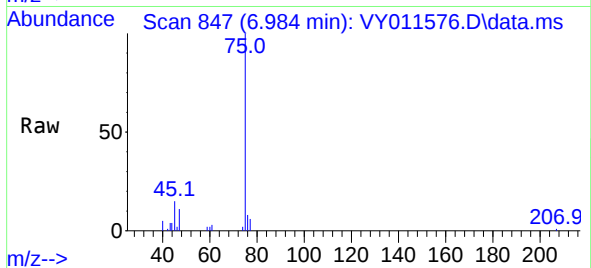




#25
2-Butanone
Concen: 5.406 ug/l
RT: 6.984 min Scan# 844
Delta R.T. 0.000 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

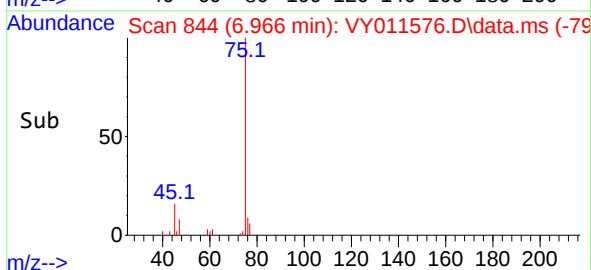
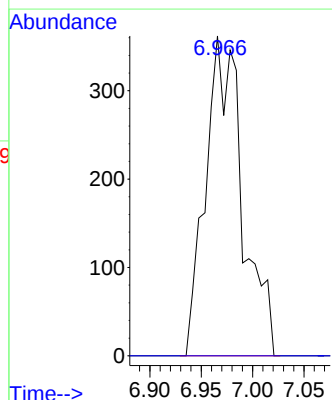
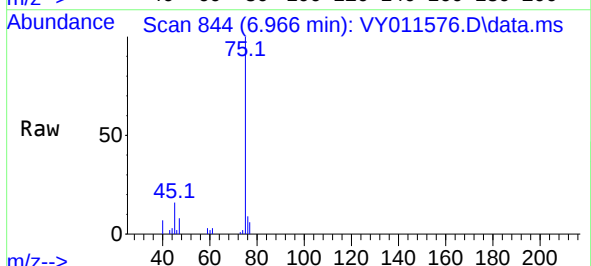
Instrument :
MSVOA_Y
ClientSampleId :

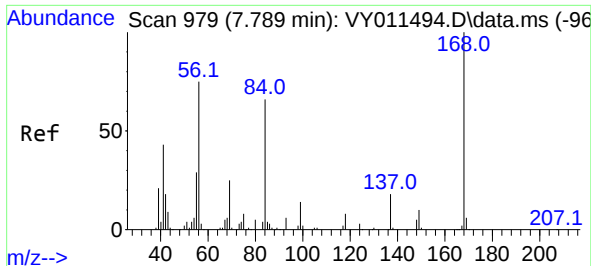
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.960 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

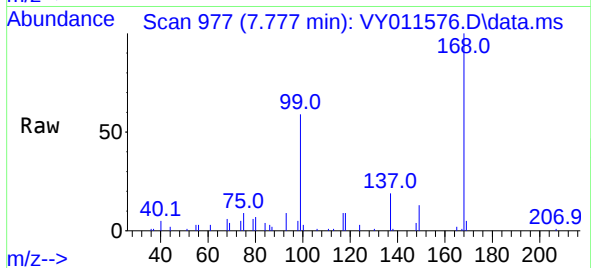
Tgt Ion: 77 Resp: 899
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



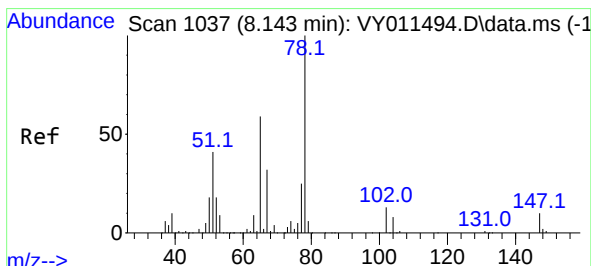
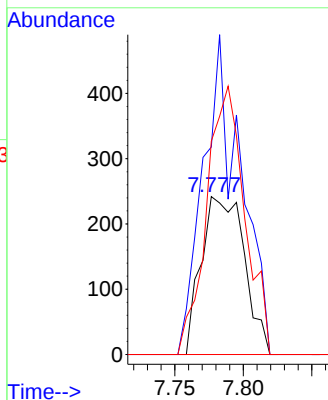
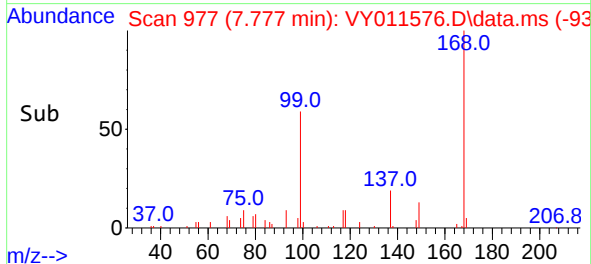


#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

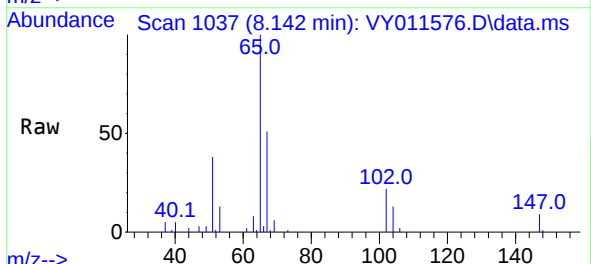
Instrument :
MSVOA_Y
ClientSampleId :



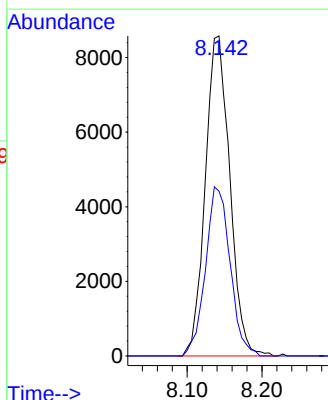
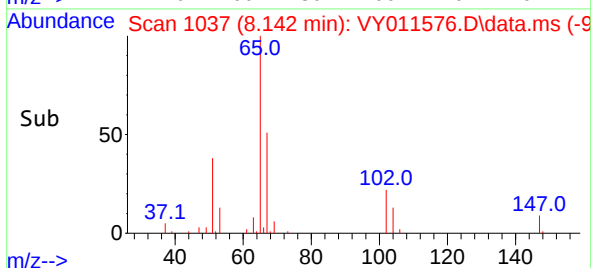
Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
69 131.4 26.7 40.1#
84 135.1 67.2 100.8#

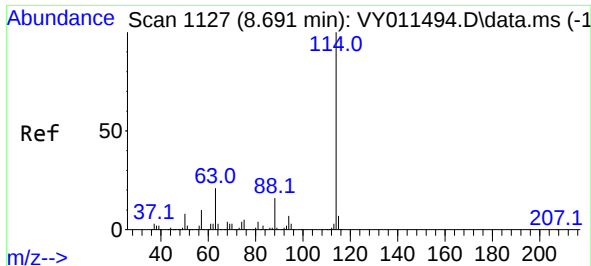


#33
1,2-Dichloroethane-d4
Concen: 76.662 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34



Tgt Ion: 65 Resp: 19565
Ion Ratio Lower Upper
65 100
67 53.0 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: VY011576.D

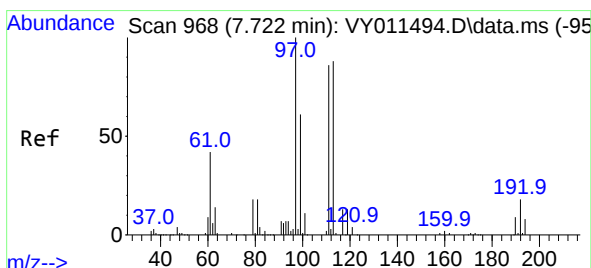
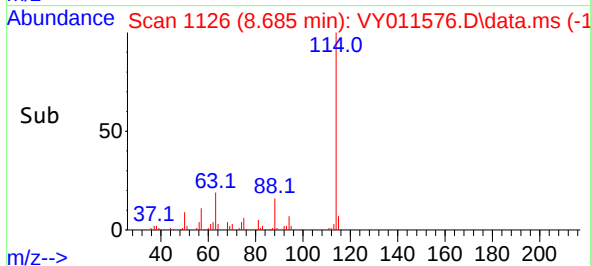
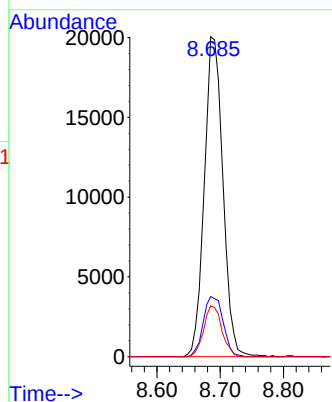
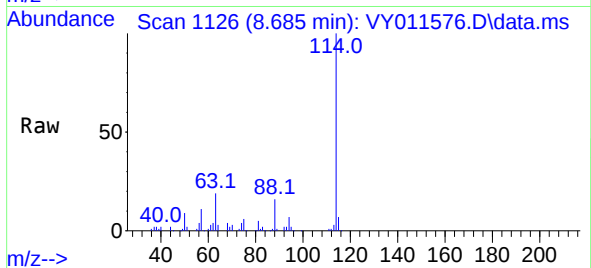
Acq: 23 Nov 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	41024
Ion	Ratio	Lower Upper
114	100	
63	18.8	0.0 43.2
88	15.9	0.0 31.8



#35

Dibromofluoromethane

Concen: 62.675 ug/l

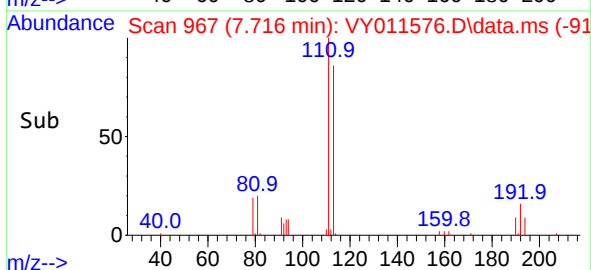
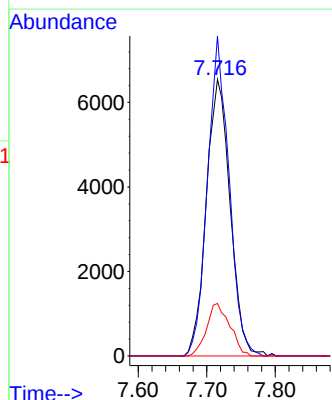
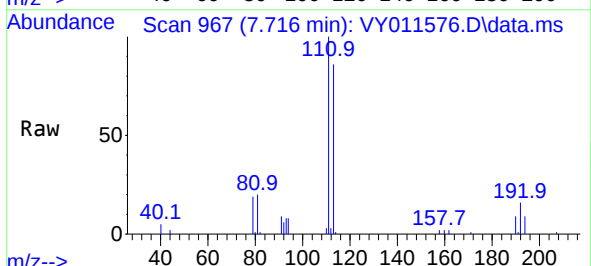
RT: 7.716 min Scan# 967

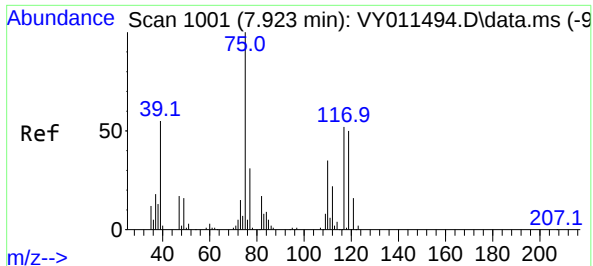
Delta R.T. -0.006 min

Lab File: VY011576.D

Acq: 23 Nov 2022 15:34

Tgt Ion:113	Resp:	15828
Ion	Ratio	Lower Upper
113	100	
111	104.2	82.6 124.0
192	18.5	17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.185 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

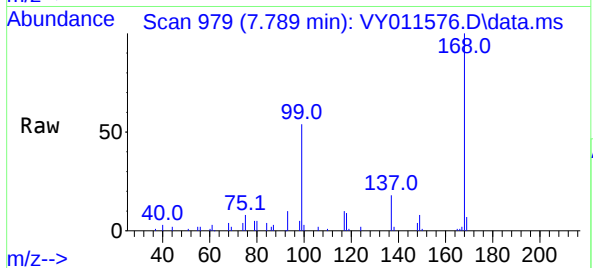
Lab File: VY011576.D

Acq: 23 Nov 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :



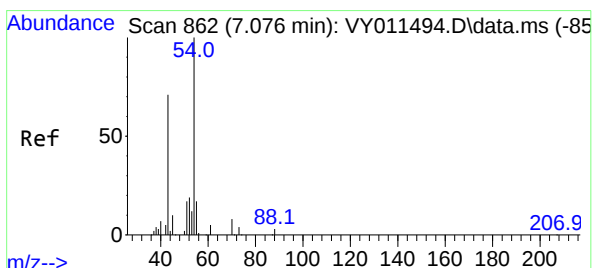
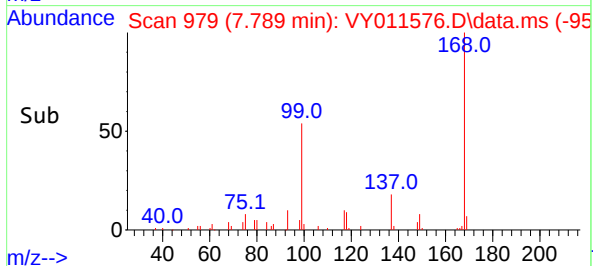
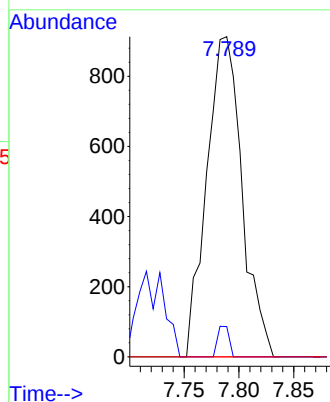
Tgt Ion: 75 Resp: 2047

Ion Ratio Lower Upper

75 100

110 3.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.620 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.092 min

Lab File: VY011576.D

Acq: 23 Nov 2022 15:34

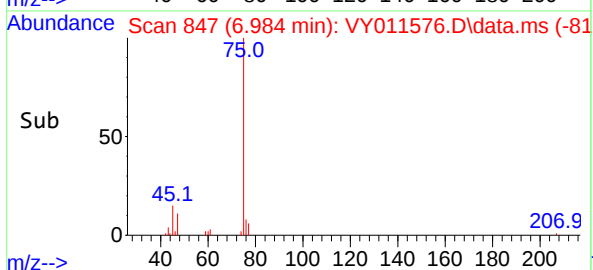
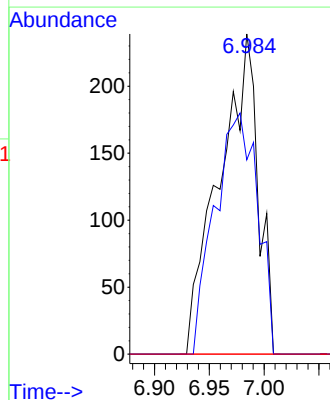
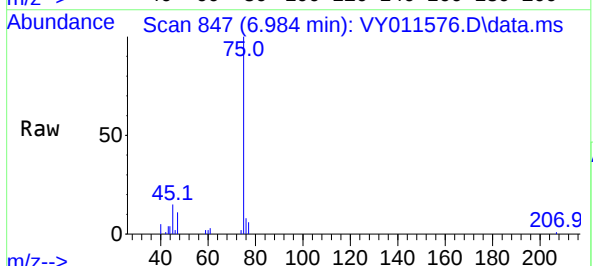
Tgt Ion: 43 Resp: 589

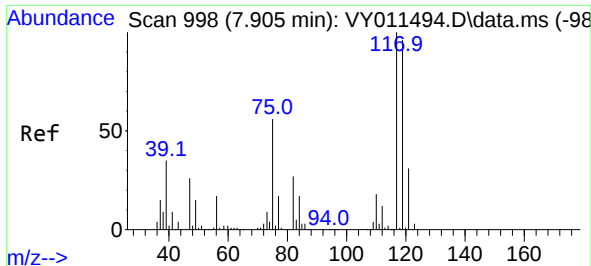
Ion Ratio Lower Upper

43 100

61 83.0 9.7 14.5#

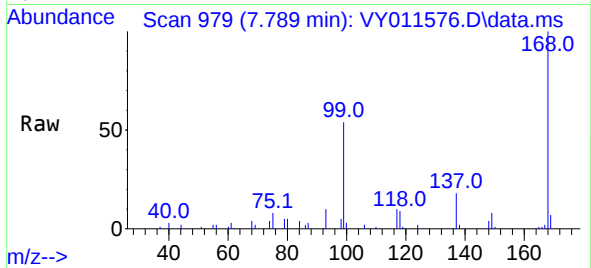
70 0.0 7.1 10.7#



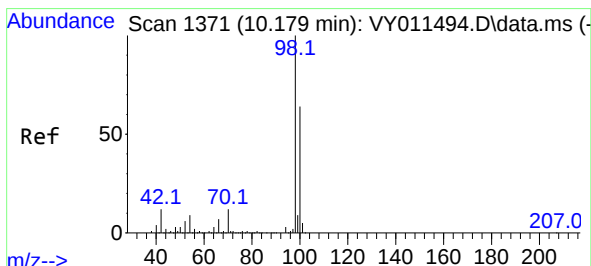
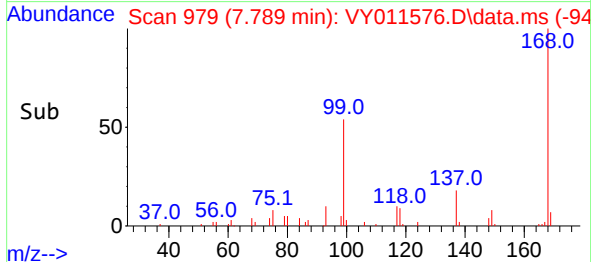
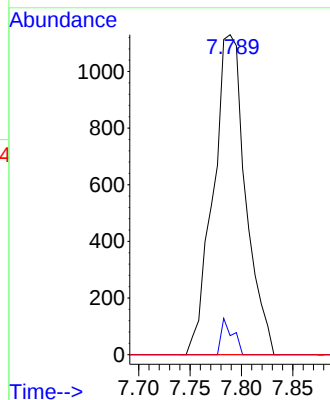


#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

Instrument :
MSVOA_Y
ClientSampleId :

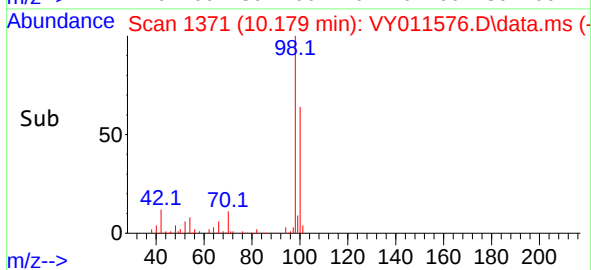
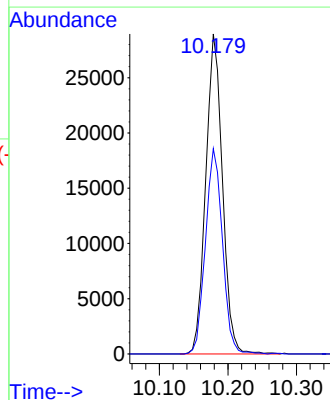
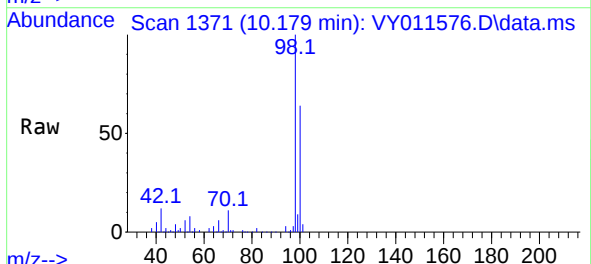


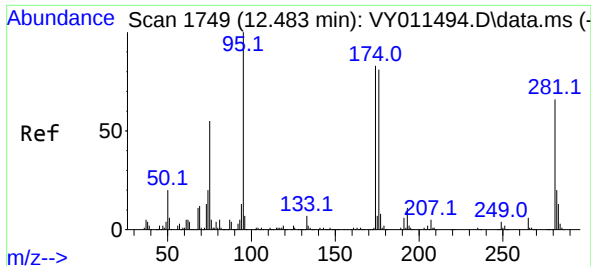
Tgt Ion:117 Resp: 2477
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.582 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

Tgt Ion: 98 Resp: 49173
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 41.782 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY011576.D

Acq: 23 Nov 2022 15:34

Instrument :

MSVOA_Y

ClientSampleId :

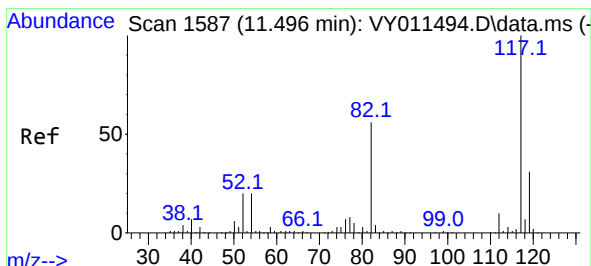
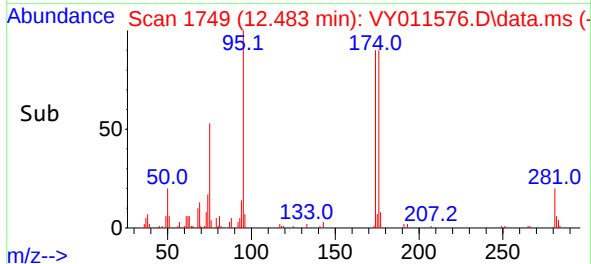
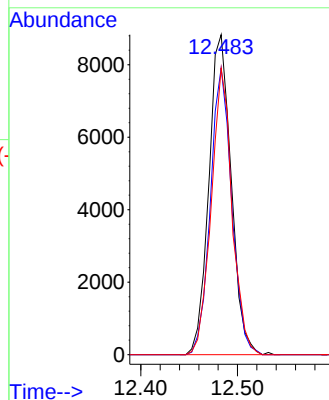
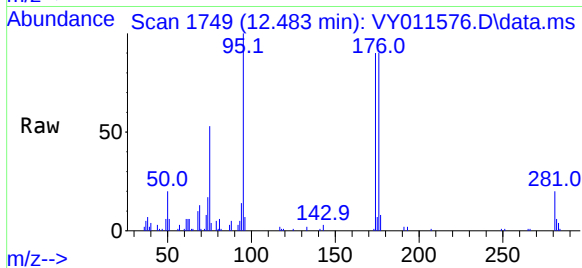
Tgt Ion: 95 Resp: 14177

Ion Ratio Lower Upper

95 100

174 85.6 0.0 177.0

176 83.4 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: VY011576.D

Acq: 23 Nov 2022 15:34

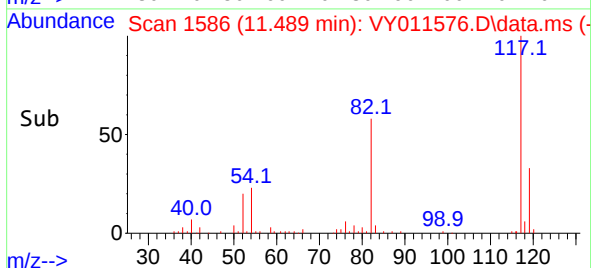
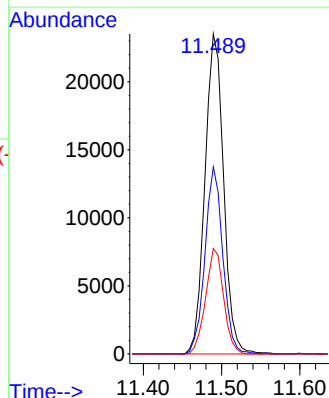
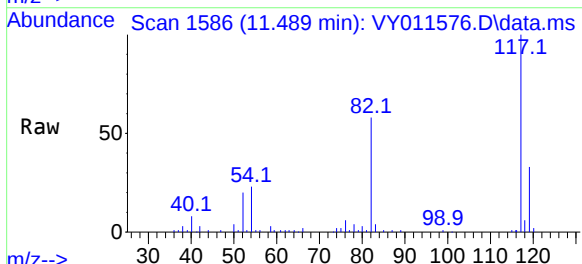
Tgt Ion: 117 Resp: 38874

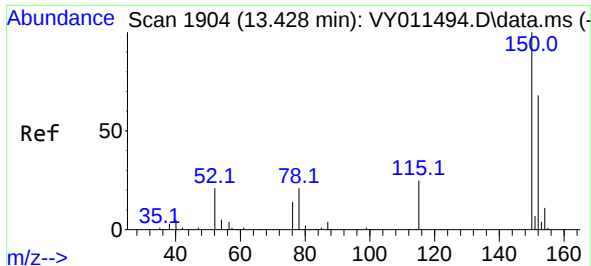
Ion Ratio Lower Upper

117 100

82 58.5 43.0 64.4

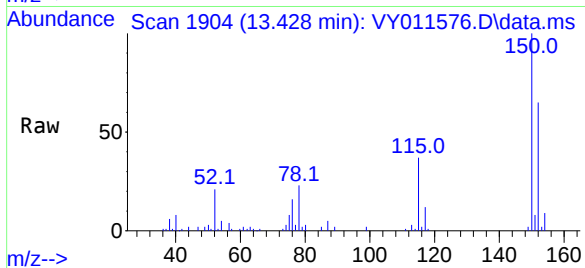
119 32.9 25.4 38.0



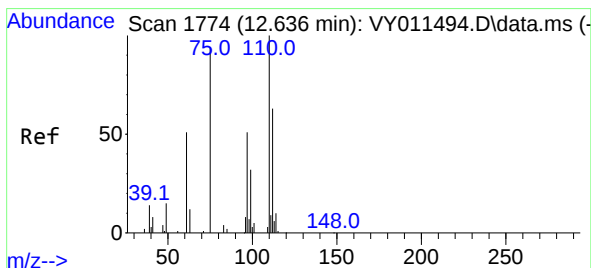
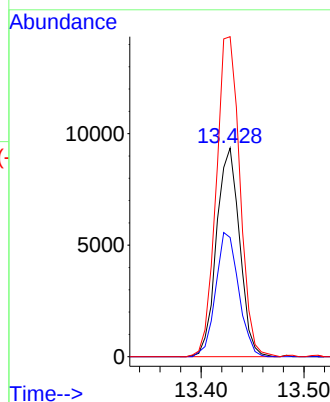
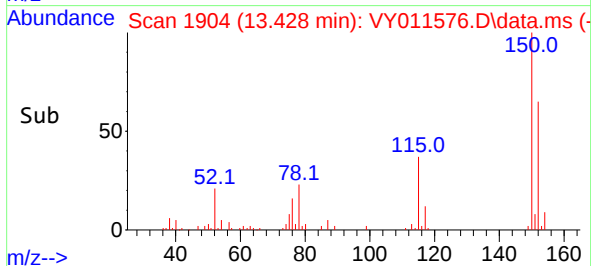


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34

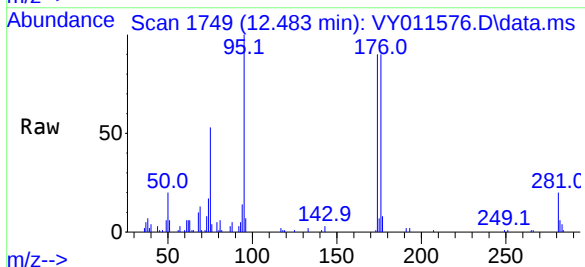
Instrument :
MSVOA_Y
ClientSampleId :



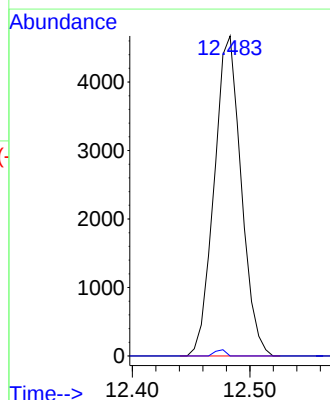
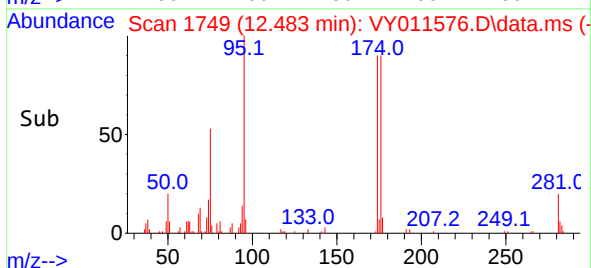
Tgt Ion:152 Resp: 14589
Ion Ratio Lower Upper
152 100
115 59.2 28.2 84.7
150 157.0 0.0 347.6

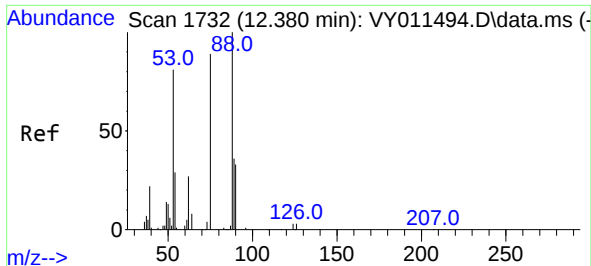


#76
1,2,3-Trichloropropane
Concen: 47.462 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011576.D
Acq: 23 Nov 2022 15:34



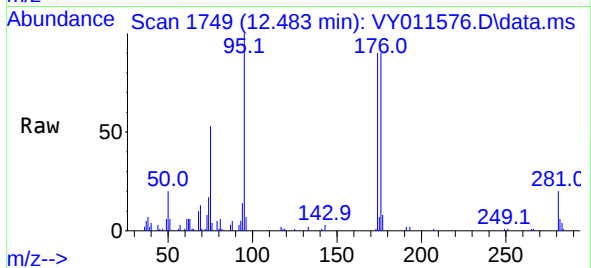
Tgt Ion: 75 Resp: 7457
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.959 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011576.D
 Acq: 23 Nov 2022 15:34

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 7457
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

