

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011024\
 Data File : VY016975.D
 Acq On : 10 Jan 2024 16:00
 Operator : SY/MD
 Sample : P1100-02
 Misc : 4.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

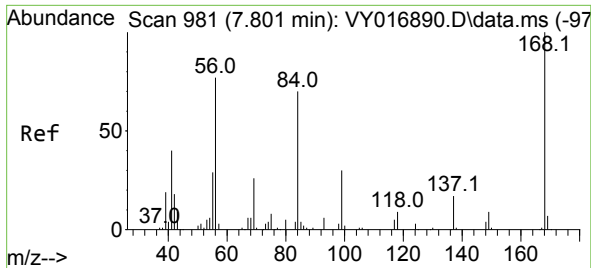
Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 11 00:14:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	103432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	223742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	219280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	51448	50.327	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.660%	
35) Dibromofluoromethane	7.728	113	53700	37.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 75.320%	
50) Toluene-d8	10.191	98	195873	39.895	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 79.800%	
62) 4-Bromofluorobenzene	12.489	95	64609	39.004	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	716	Below Cal	#	75
16) Acetone	3.960	43	923	Below Cal		96
25) 2-Butanone	7.002	43	683	Below Cal	#	48
31) Cyclohexane	7.795	56	2676	1.525	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9575	4.608	ug/l #	49
38) Carbon Tetrachloride	7.801	117	10718	5.077	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	34511	37.479	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34511	85.104	ug/l #	13

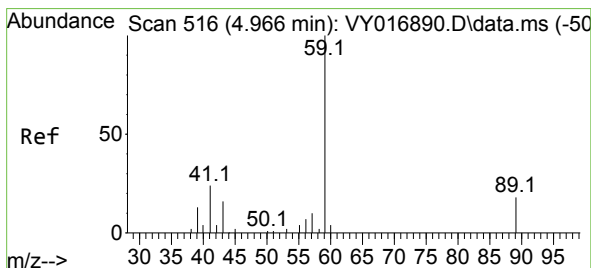
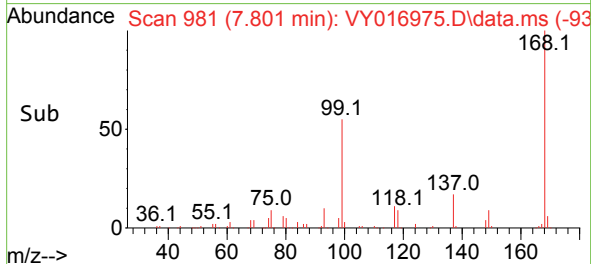
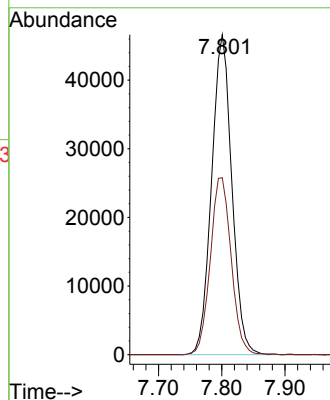
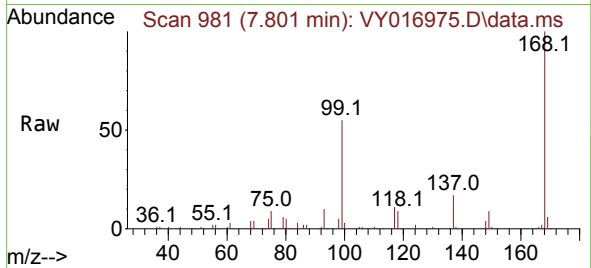
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

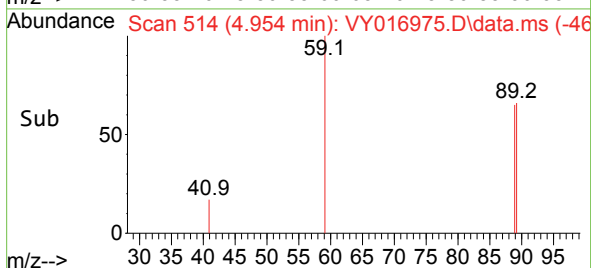
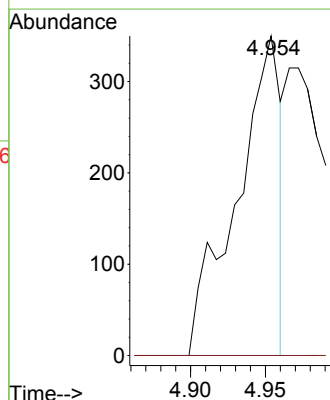
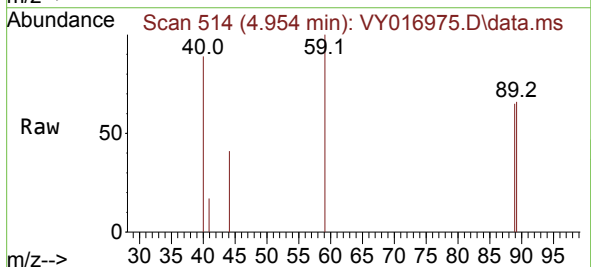
Instrument :
MSVOA_Y
ClientSampleId :

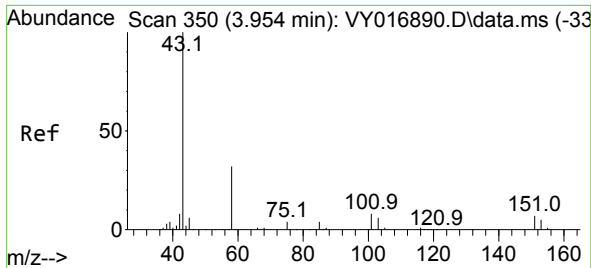
Tgt Ion:168 Resp: 103432
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

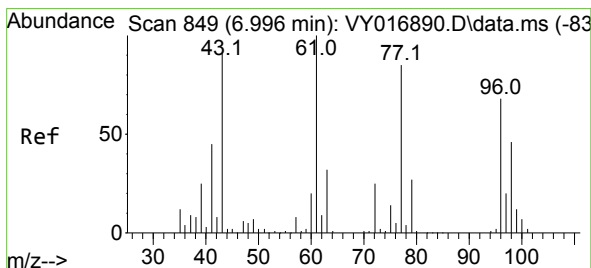
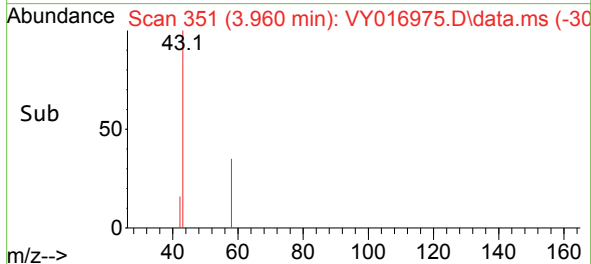
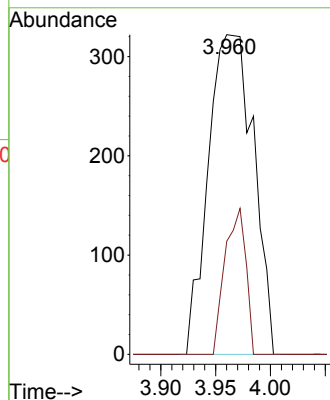
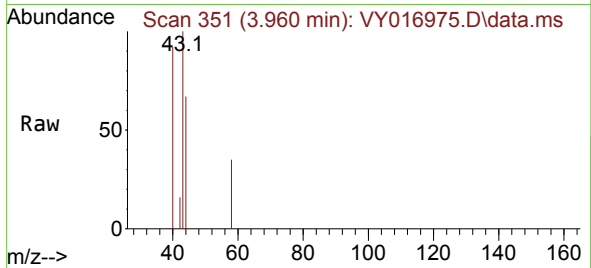




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

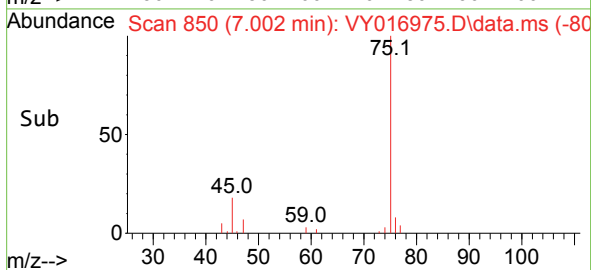
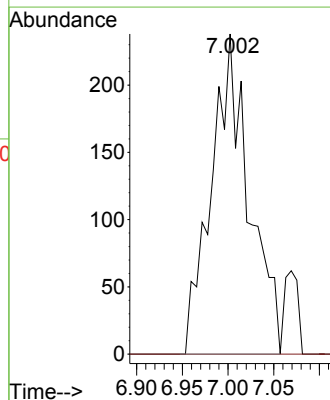
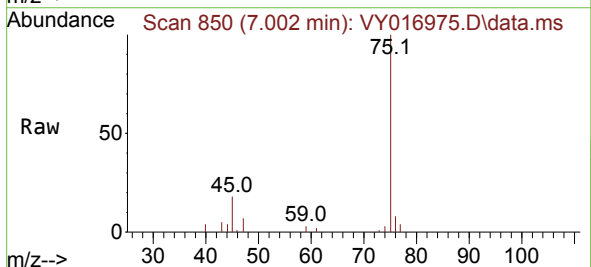
Instrument :
MSVOA_Y
ClientSampleId :

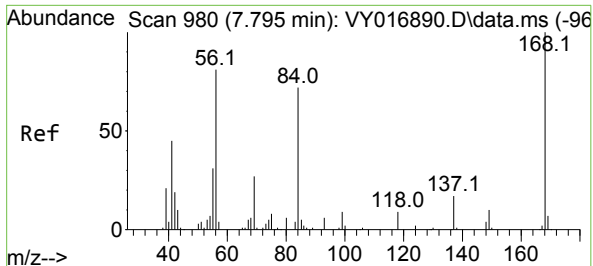
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 35.4 26.6 39.8



#25
2-Butanone
Concen: Below Cal
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

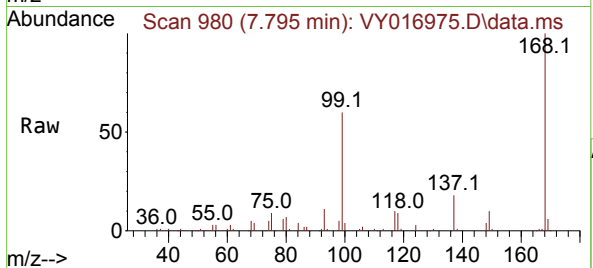
Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



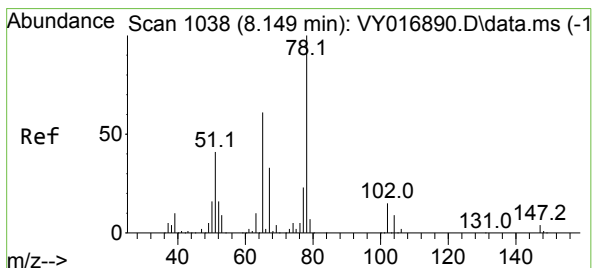
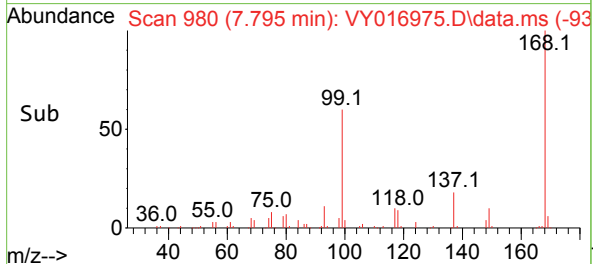
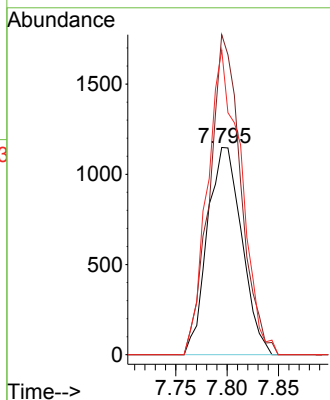


#31
Cyclohexane
Concen: 1.525 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Instrument :
MSVOA_Y
ClientSampleId :

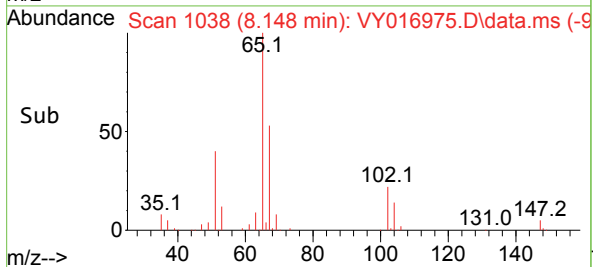
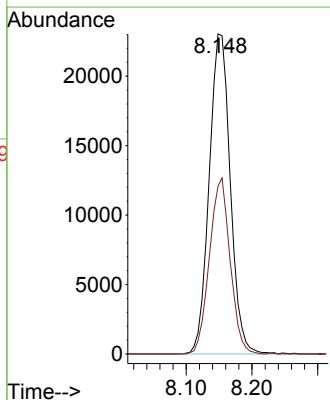
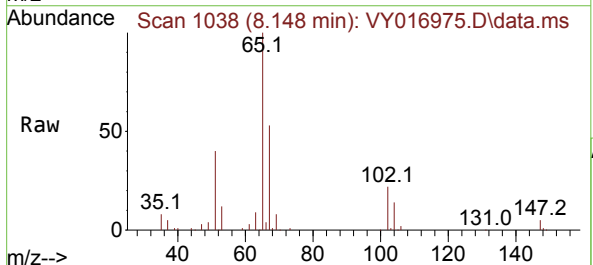


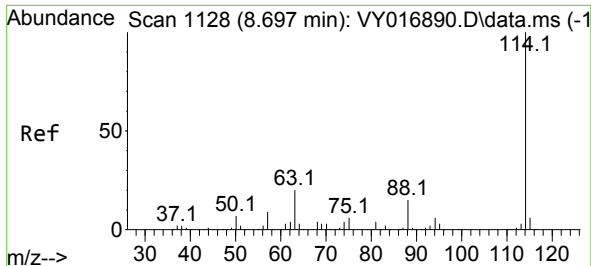
Tgt Ion: 56 Resp: 2676
Ion Ratio Lower Upper
56 100
69 154.4 27.0 40.6#
84 147.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 50.327 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.007 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Tgt Ion: 65 Resp: 51448
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016975.D

Acq: 10 Jan 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

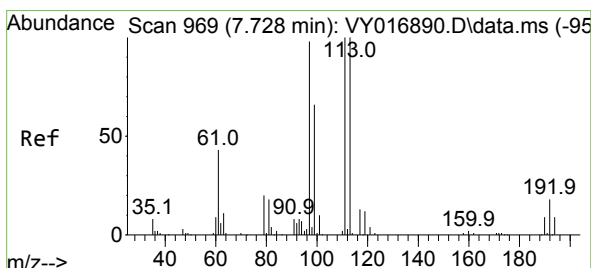
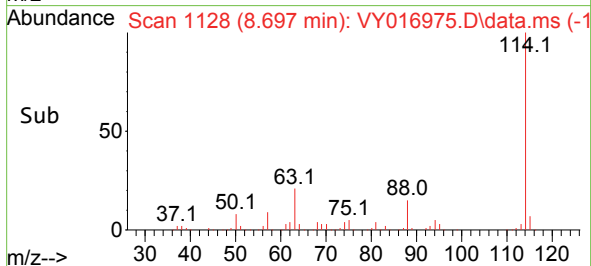
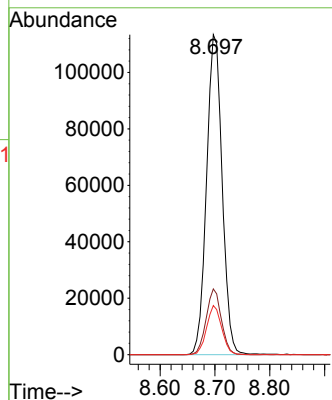
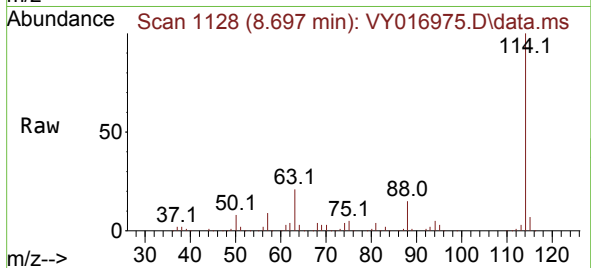
Tgt Ion:114 Resp: 223742

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.664 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016975.D

Acq: 10 Jan 2024 16:00

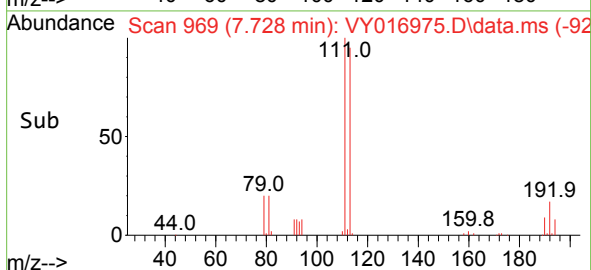
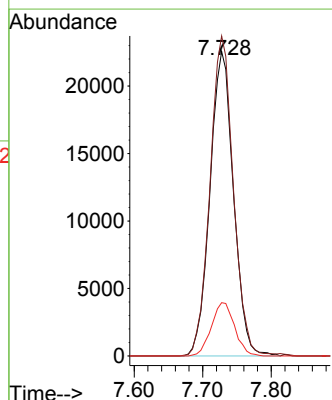
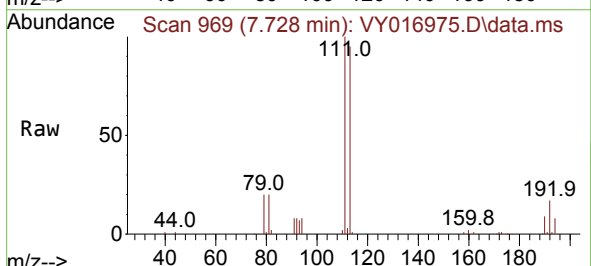
Tgt Ion:113 Resp: 53700

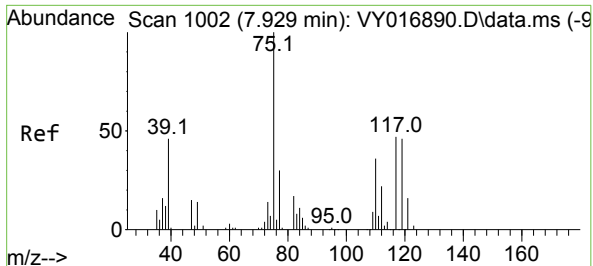
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 17.3 14.5 21.7

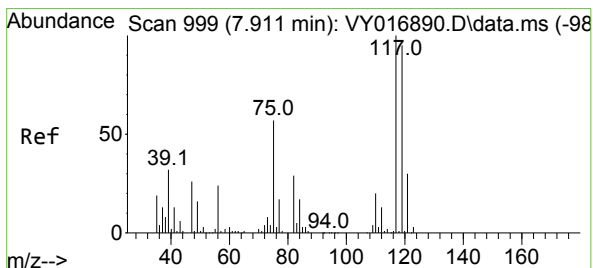
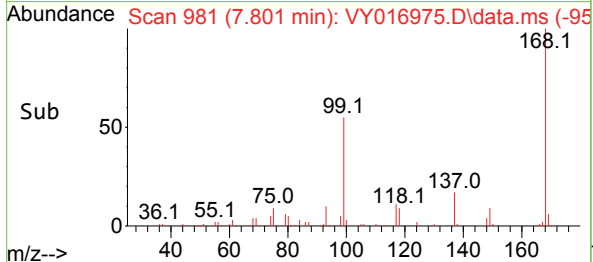
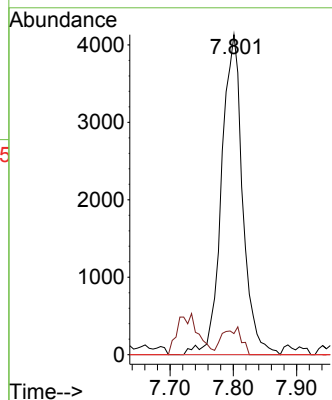
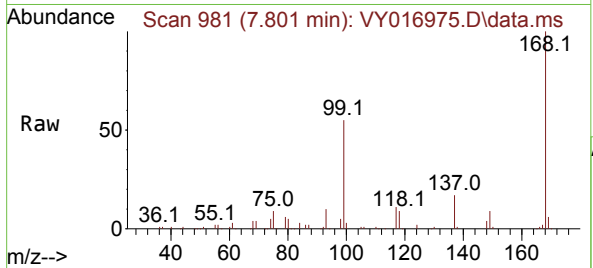




#36
1,1-Dichloropropene
Concen: 4.608 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

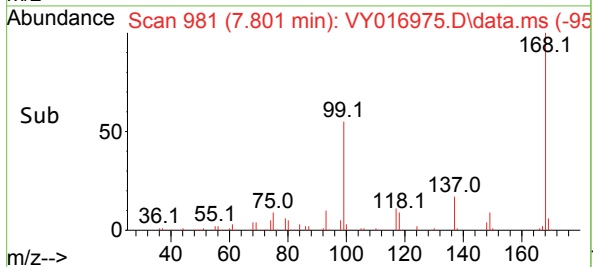
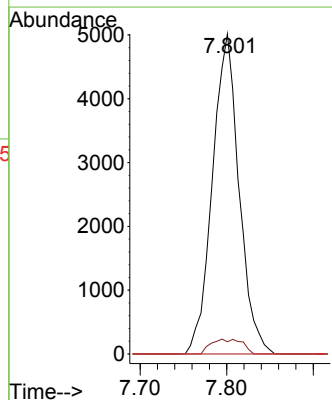
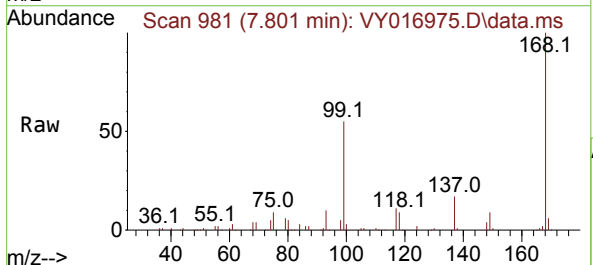
Instrument :
MSVOA_Y
ClientSampleId :

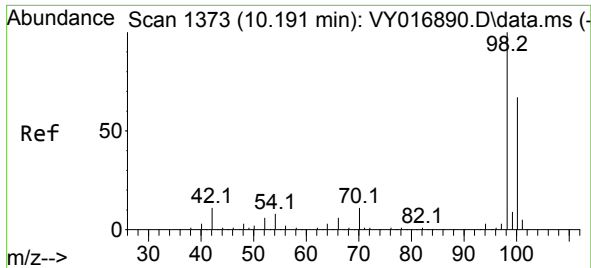
Tgt Ion: 75 Resp: 9575
Ion Ratio Lower Upper
75 100
110 7.6 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.077 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.116 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Tgt Ion:117 Resp: 10718
Ion Ratio Lower Upper
117 100
119 3.8 76.0 114.0#
121 0.0 24.2 36.2#

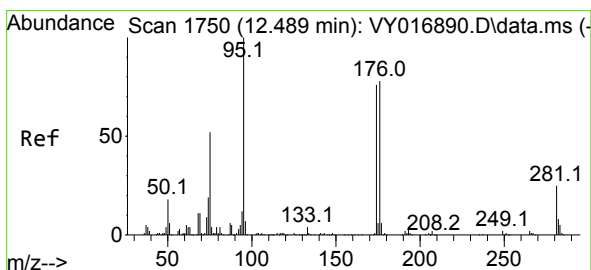
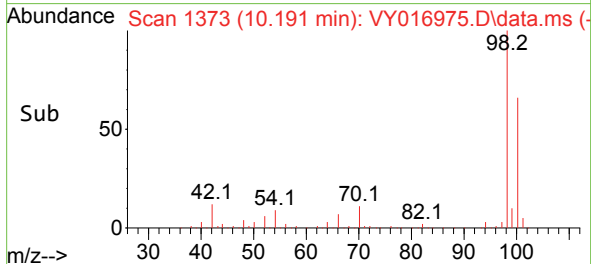
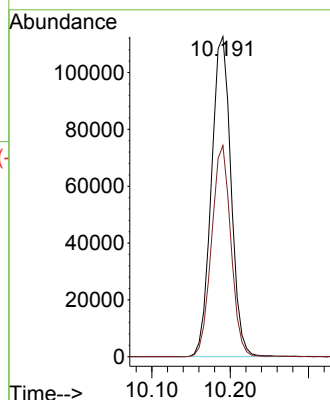
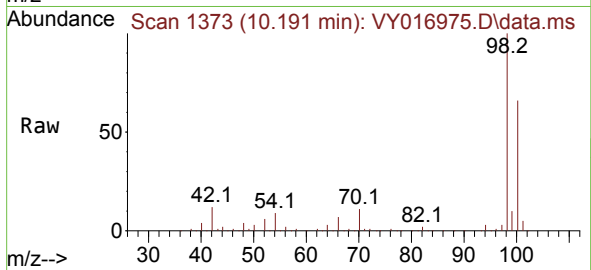




#50
Toluene-d8
Concen: 39.895 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

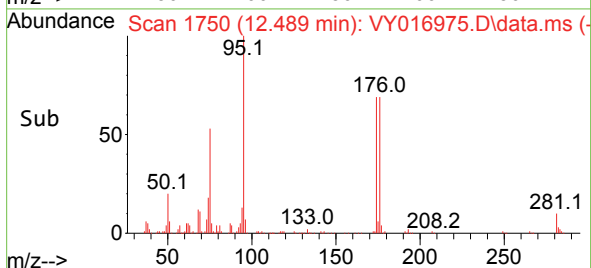
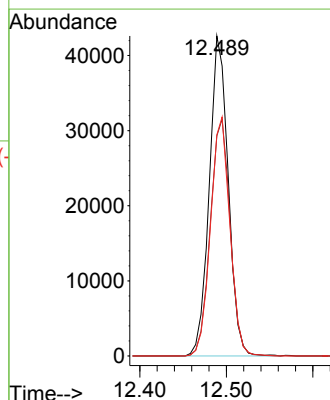
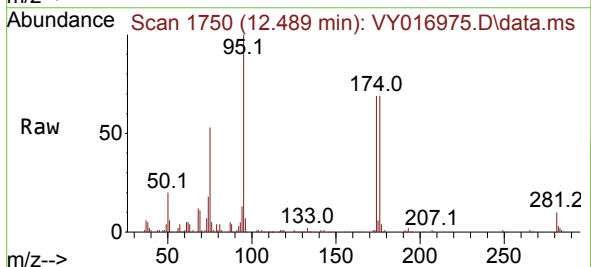
Instrument :
MSVOA_Y
ClientSampleId :

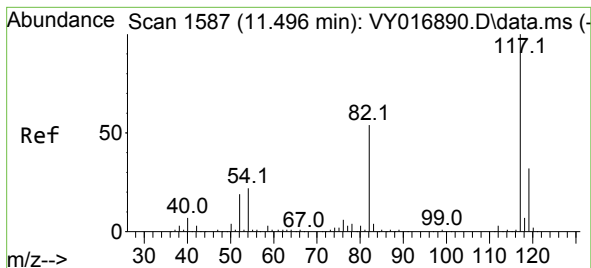
Tgt Ion: 98 Resp: 195873
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 39.004 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Tgt Ion: 95 Resp: 64609
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.0
176 76.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.501 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY016975.D

Acq: 10 Jan 2024 16:00

Instrument :

MSVOA_Y

ClientSampleId :

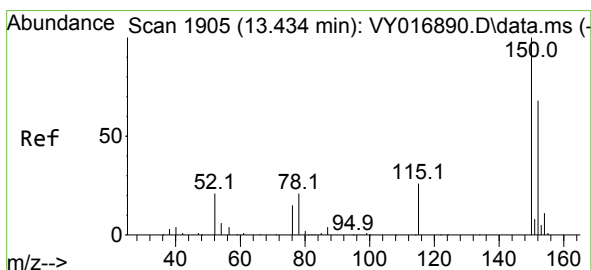
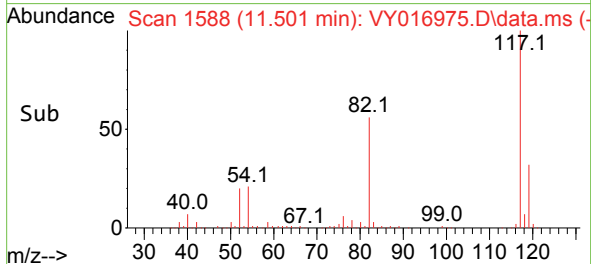
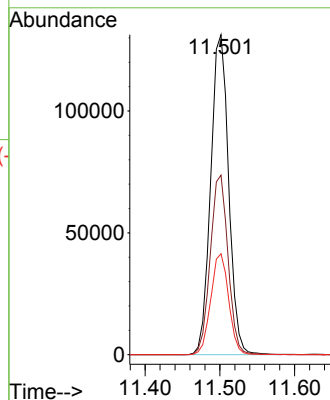
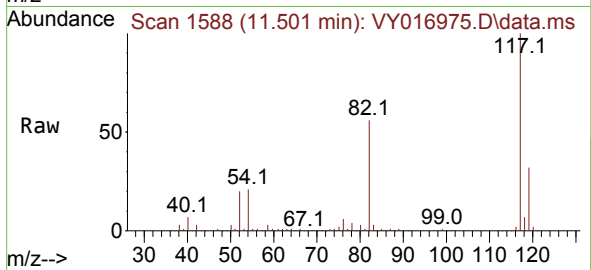
Tgt Ion:117 Resp: 219280

Ion Ratio Lower Upper

117 100

82 56.1 43.8 65.8

119 31.6 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY016975.D

Acq: 10 Jan 2024 16:00

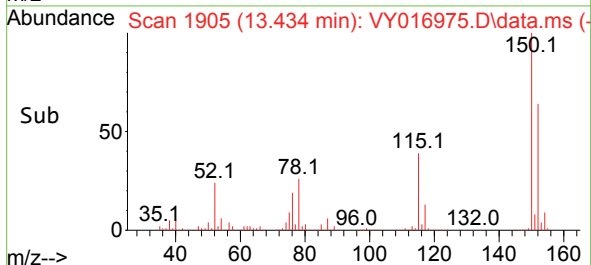
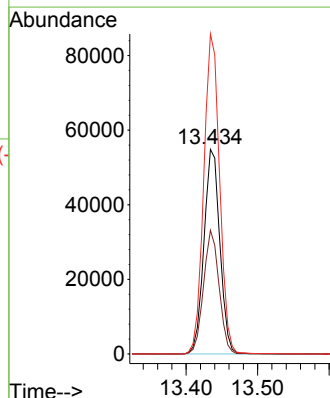
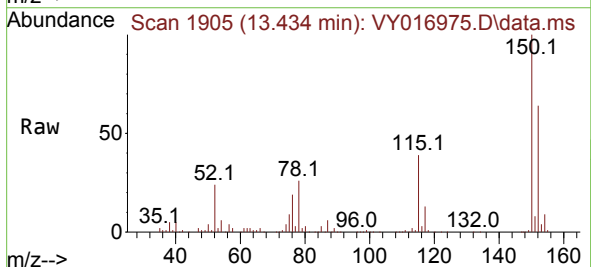
Tgt Ion:152 Resp: 84854

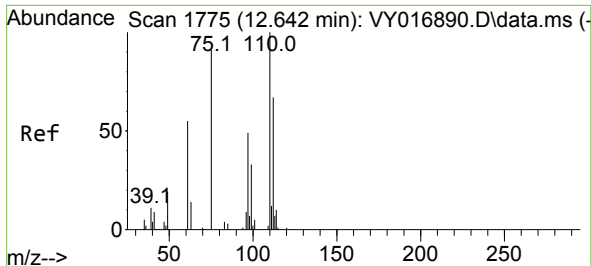
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 155.7 0.0 344.6

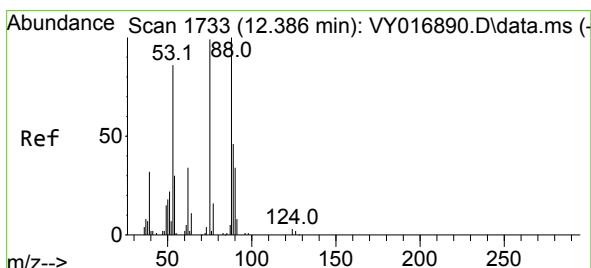
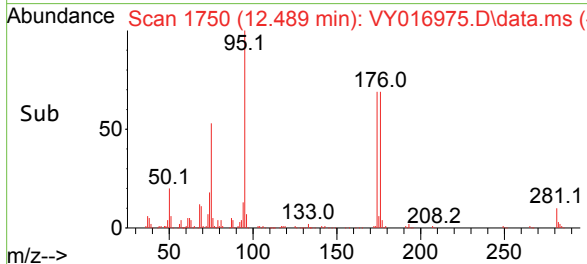
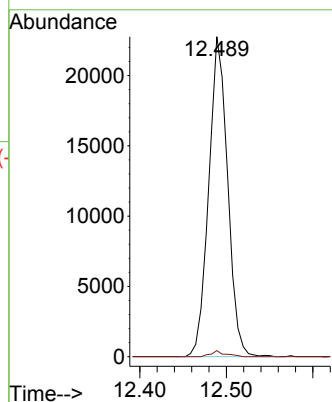
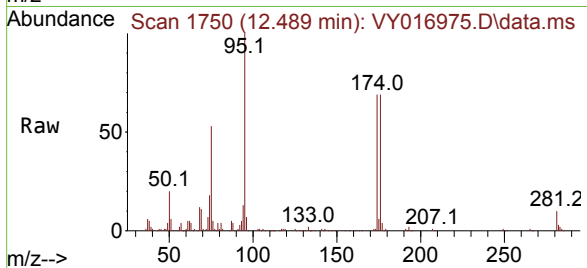




#76
1,2,3-Trichloropropane
Concen: 37.479 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.153 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 34511
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.104 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016975.D
Acq: 10 Jan 2024 16:00

Tgt Ion: 75 Resp: 34511
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.3 36.5 54.7#

