

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012304.D
 Acq On : 20 Jan 2023 20:30
 Operator : KP/MD
 Sample : 01237-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3A

Quant Time: Jan 23 02:26:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

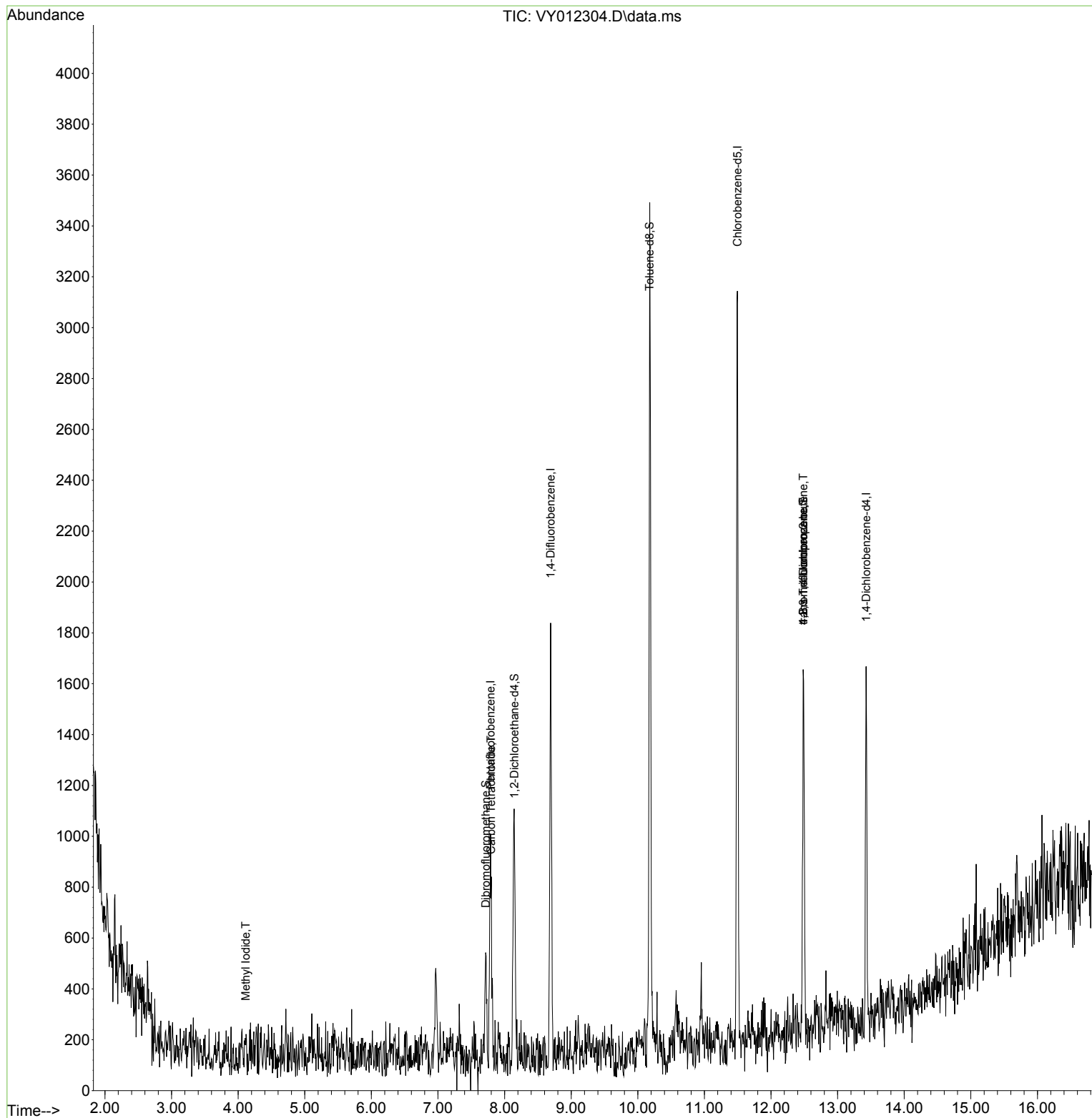
Internal Standards						
1) Pentafluorobenzene	7.789	168	1084	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	1988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	2102	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	981	114.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 228.460%#	
35) Dibromofluoromethane	7.716	113	264	25.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 50.160%#	
50) Toluene-d8	10.179	98	2585	72.856	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 145.720%#	
62) 4-Bromofluorobenzene	12.483	95	651	43.871	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.740%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.113	142	111	7.533	ug/l	# 38
20) Methylene Chloride	4.716	84	70	Below Cal	#	55
38) Carbon Tetrachloride	7.795	117	37	1.601	ug/l	# 14
76) 1,2,3-Trichloropropane	12.483	75	371	67.923	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	371	139.952	ug/l	# 13

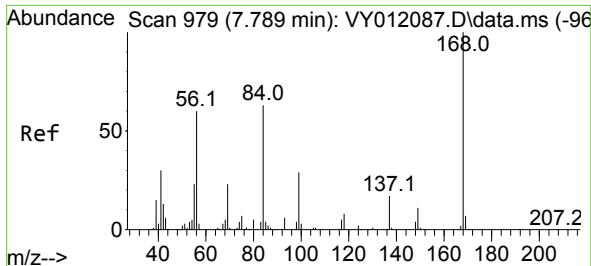
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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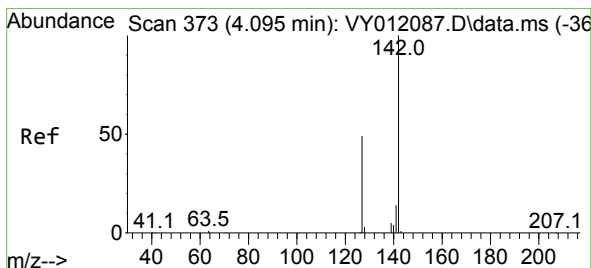
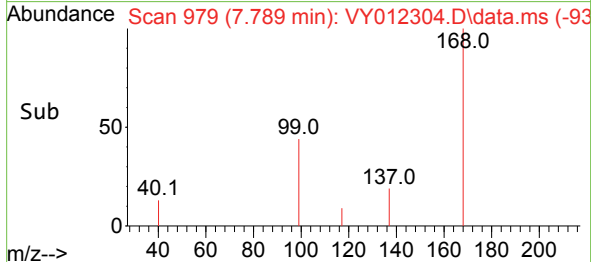
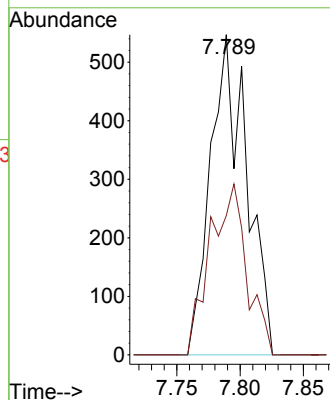
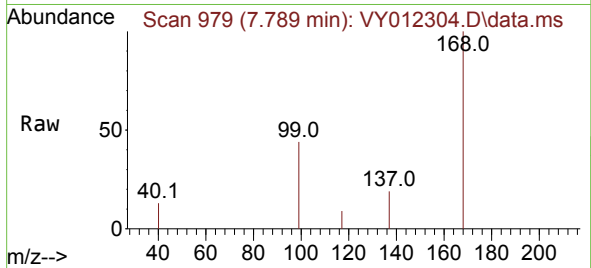




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012304.D
Acq: 20 Jan 2023 20:30

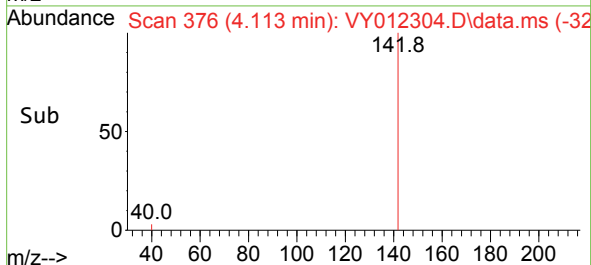
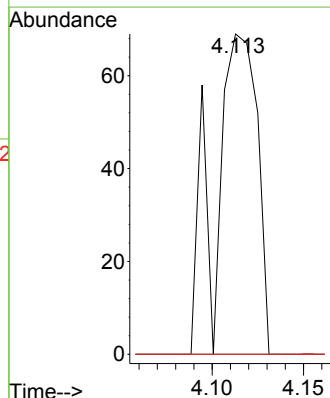
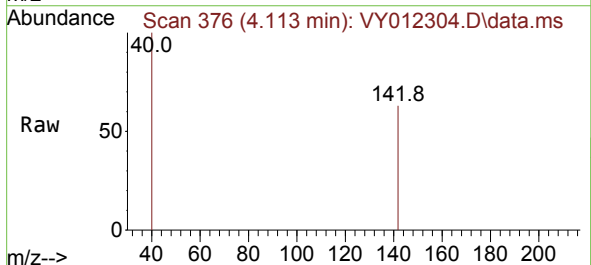
Instrument :
MSVOA_Y
ClientSampleId :
3A

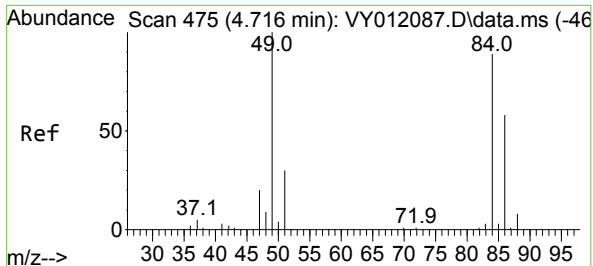
Tgt Ion:168 Resp: 1084
Ion Ratio Lower Upper
168 100
99 43.5 44.0 66.0#



#10
Methyl Iodide
Concen: 7.533 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY012304.D
Acq: 20 Jan 2023 20:30

Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 11.4 17.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012304.D

Acq: 20 Jan 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

3A

Tgt Ion: 84 Resp: 70

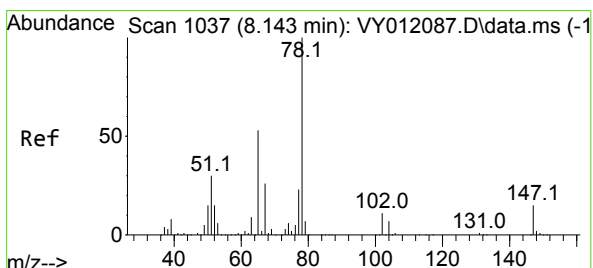
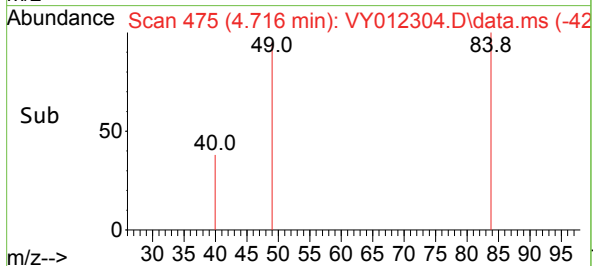
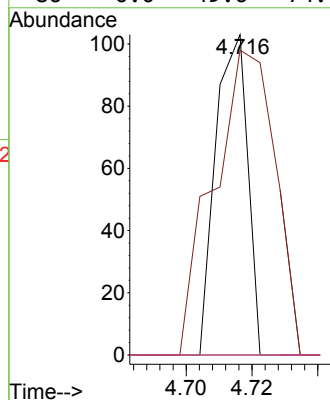
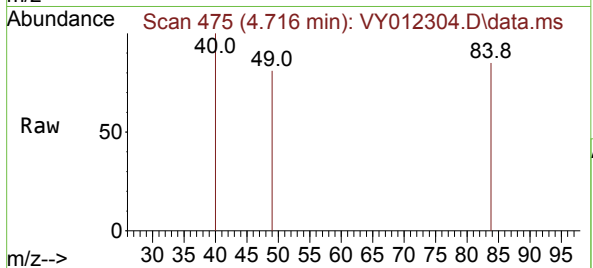
Ion Ratio Lower Upper

84 100

49 95.1 95.4 143.2#

51 0.0 29.9 44.9#

86 0.0 49.6 74.4#



#33

1,2-Dichloroethane-d4

Concen: 114.232 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VY012304.D

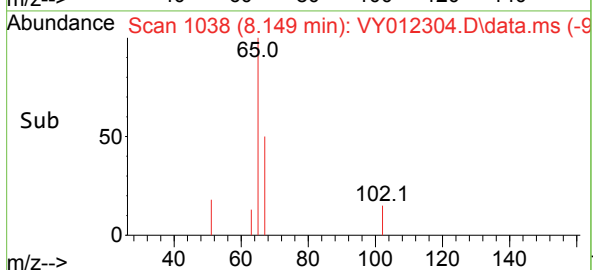
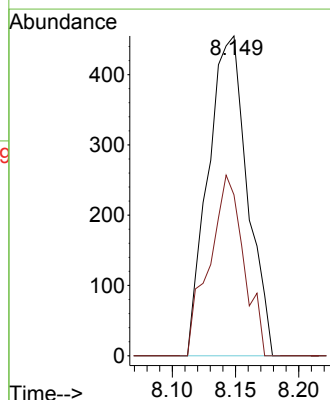
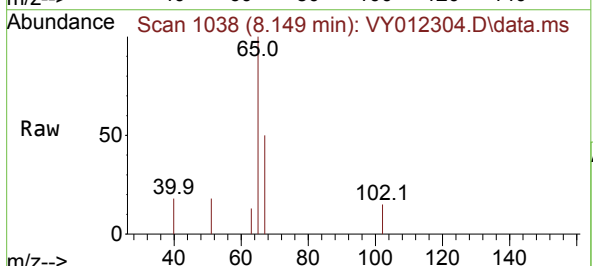
Acq: 20 Jan 2023 20:30

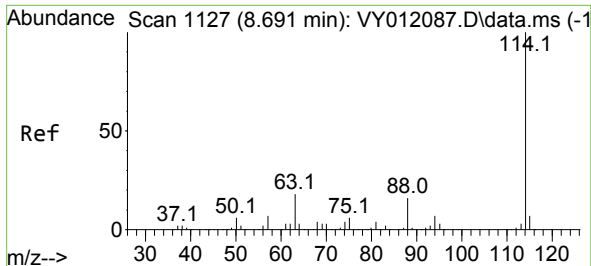
Tgt Ion: 65 Resp: 981

Ion Ratio Lower Upper

65 100

67 49.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012304.D

Acq: 20 Jan 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

3A

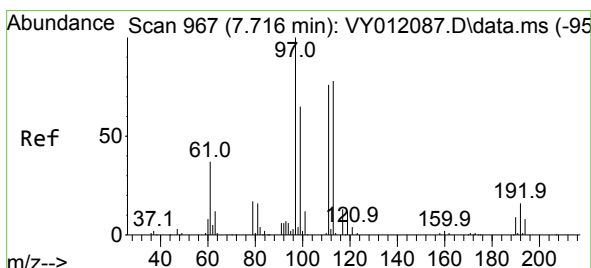
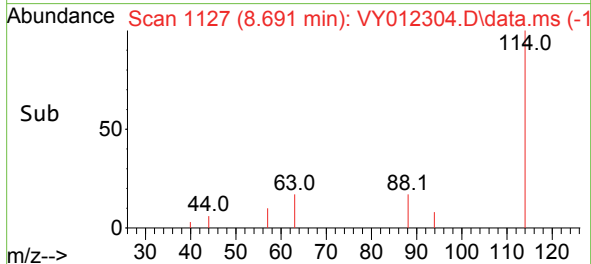
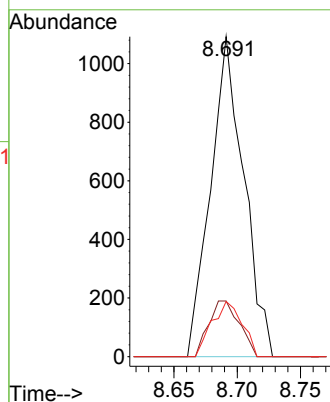
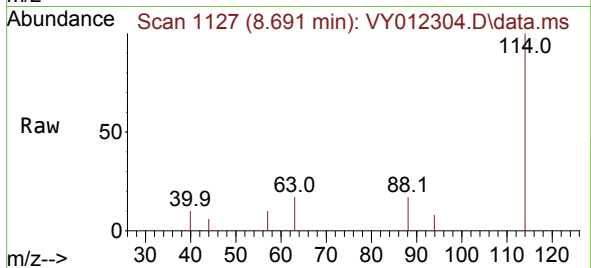
Tgt Ion:114 Resp: 1988

Ion Ratio Lower Upper

114 100

63 17.4 0.0 39.6

88 17.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 25.080 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012304.D

Acq: 20 Jan 2023 20:30

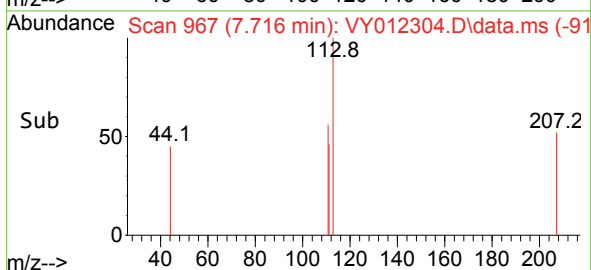
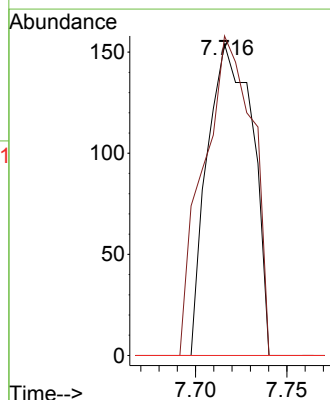
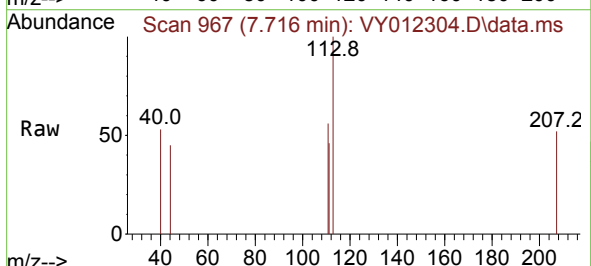
Tgt Ion:113 Resp: 264

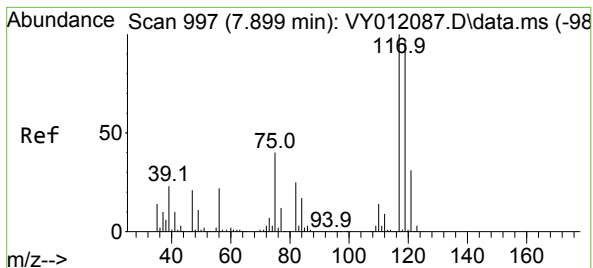
Ion Ratio Lower Upper

113 100

111 112.5 83.0 124.4

192 0.0 16.0 24.0#





#38

Carbon Tetrachloride

Concen: 1.601 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY012304.D

Acq: 20 Jan 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

3A

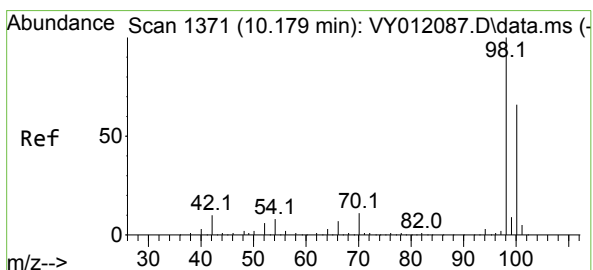
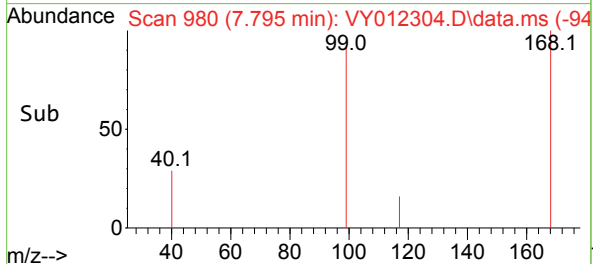
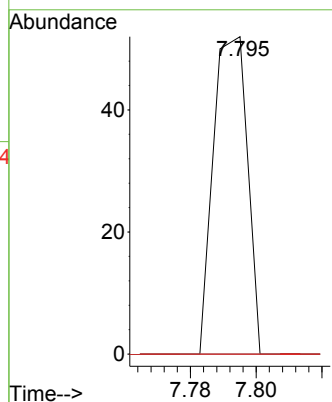
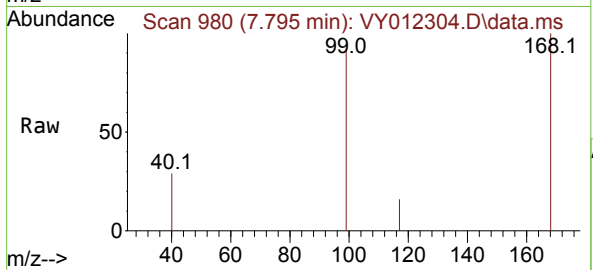
Tgt Ion:117 Resp: 37

Ion Ratio Lower Upper

117 100

119 0.0 73.8 110.8#

121 0.0 25.2 37.8#



#50

Toluene-d8

Concen: 72.856 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012304.D

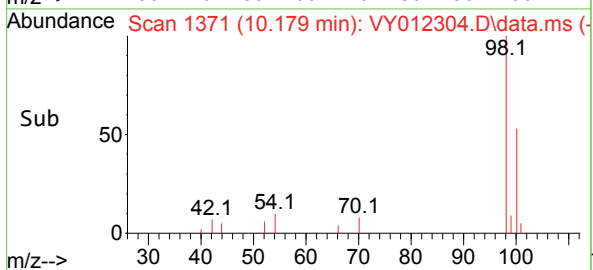
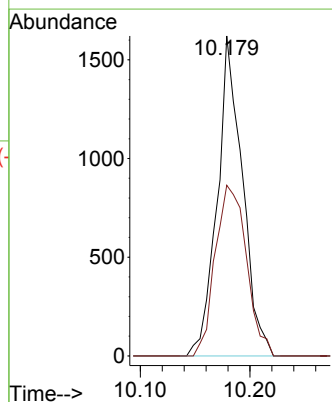
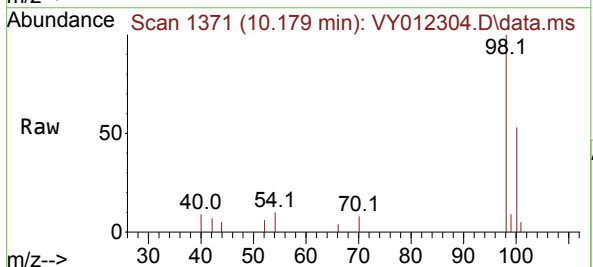
Acq: 20 Jan 2023 20:30

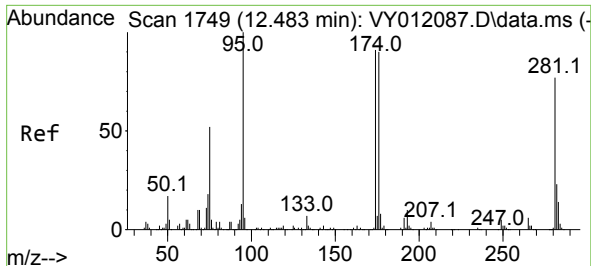
Tgt Ion: 98 Resp: 2585

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9

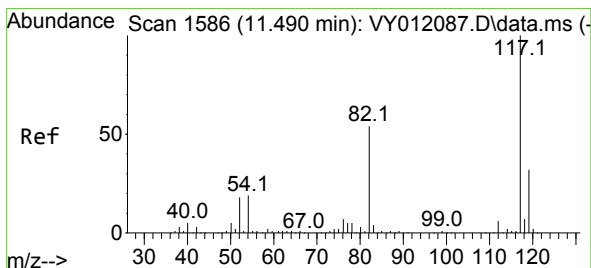
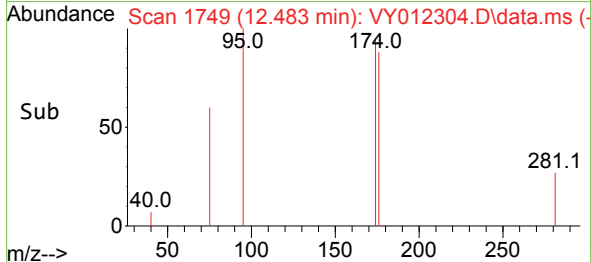
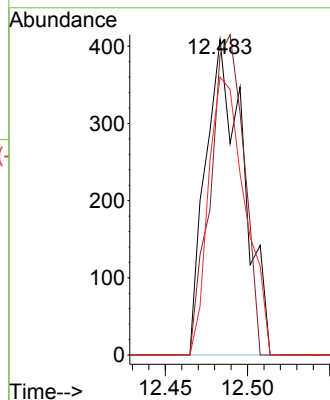
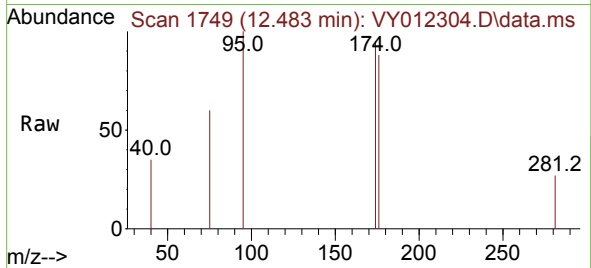




#62
4-Bromofluorobenzene
Concen: 43.871 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012304.D
Acq: 20 Jan 2023 20:30

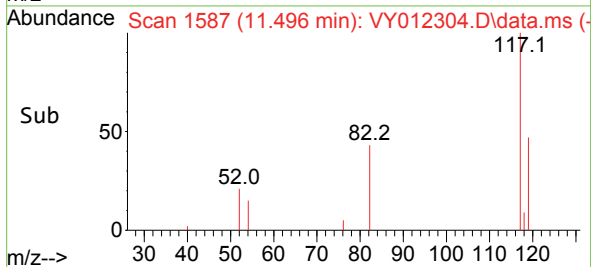
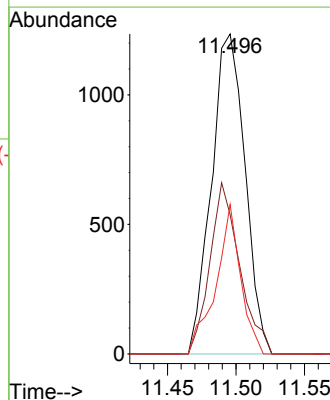
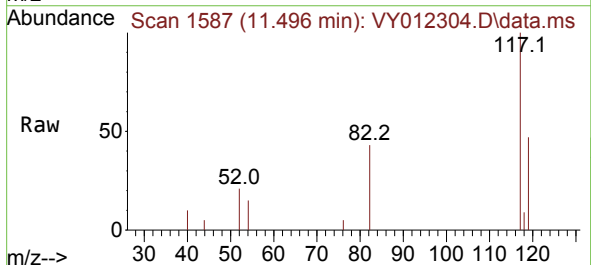
Instrument :
MSVOA_Y
ClientSampleId :
3A

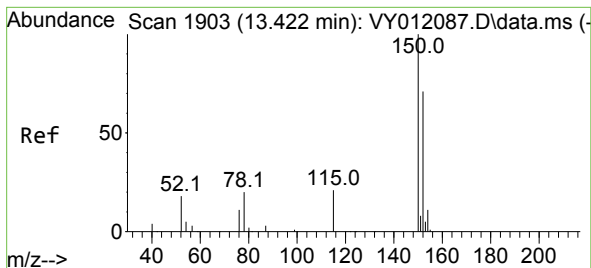
Tgt Ion:	95	Resp:	651
Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	172.0
176	85.6	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY012304.D
Acq: 20 Jan 2023 20:30

Tgt Ion:	117	Resp:	2102
Ion	Ratio	Lower	Upper
117	100		
82	43.5	44.8	67.2#
119	46.7	25.4	38.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012304.D

Acq: 20 Jan 2023 20:30

Instrument :

MSVOA_Y

ClientSampleId :

3A

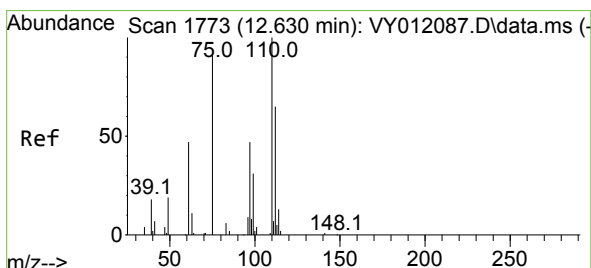
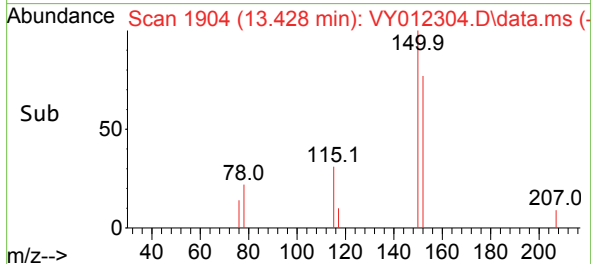
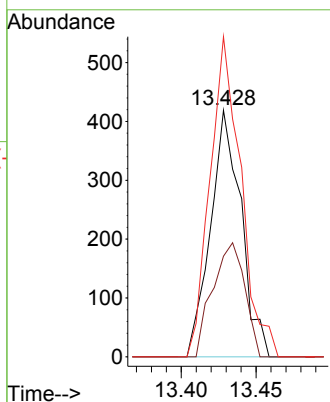
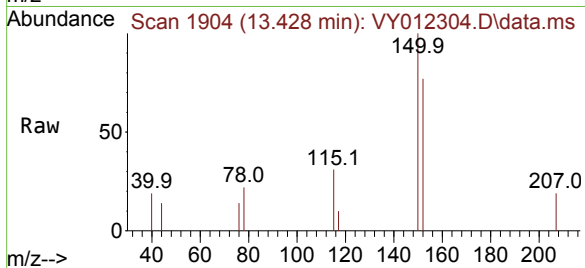
Tgt Ion:152 Resp: 594

Ion Ratio Lower Upper

152 100

115 48.5 29.1 87.3

150 131.6 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 67.923 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012304.D

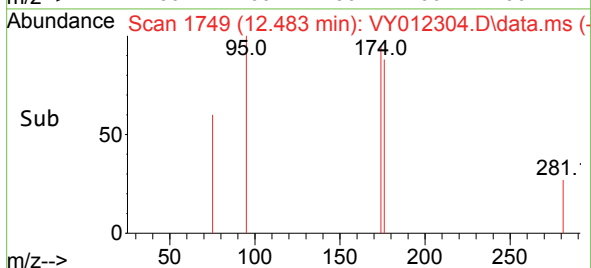
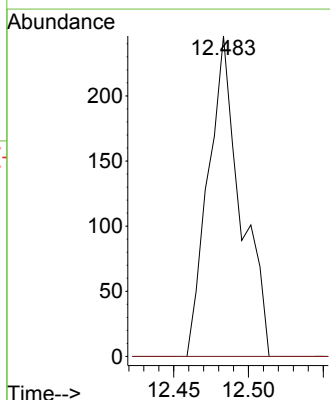
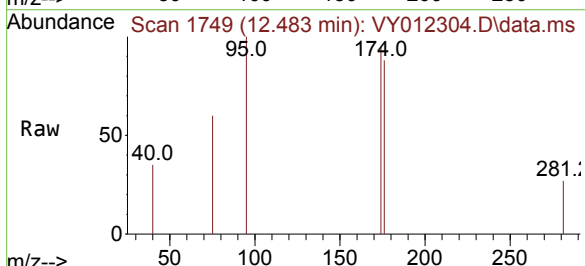
Acq: 20 Jan 2023 20:30

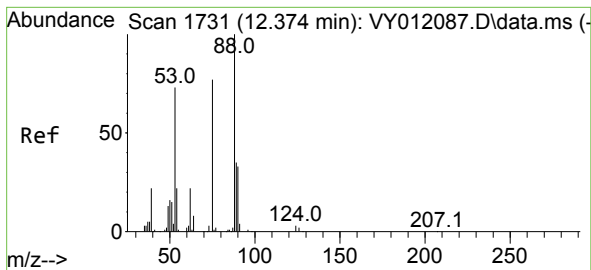
Tgt Ion: 75 Resp: 371

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.952 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012304.D
 Acq: 20 Jan 2023 20:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 3A

Tgt Ion:	75	Resp:	371
Ion	Ratio	Lower	Upper
75	100		
53	0.0	72.5	108.7#
89	0.0	37.0	55.4#

