

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013124\
 Data File : VY017160.D
 Acq On : 31 Jan 2024 16:27
 Operator : SY/MD
 Sample : P1311-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Jan 31 23:00:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 04:44:10 2024
 Response via : Initial Calibration

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

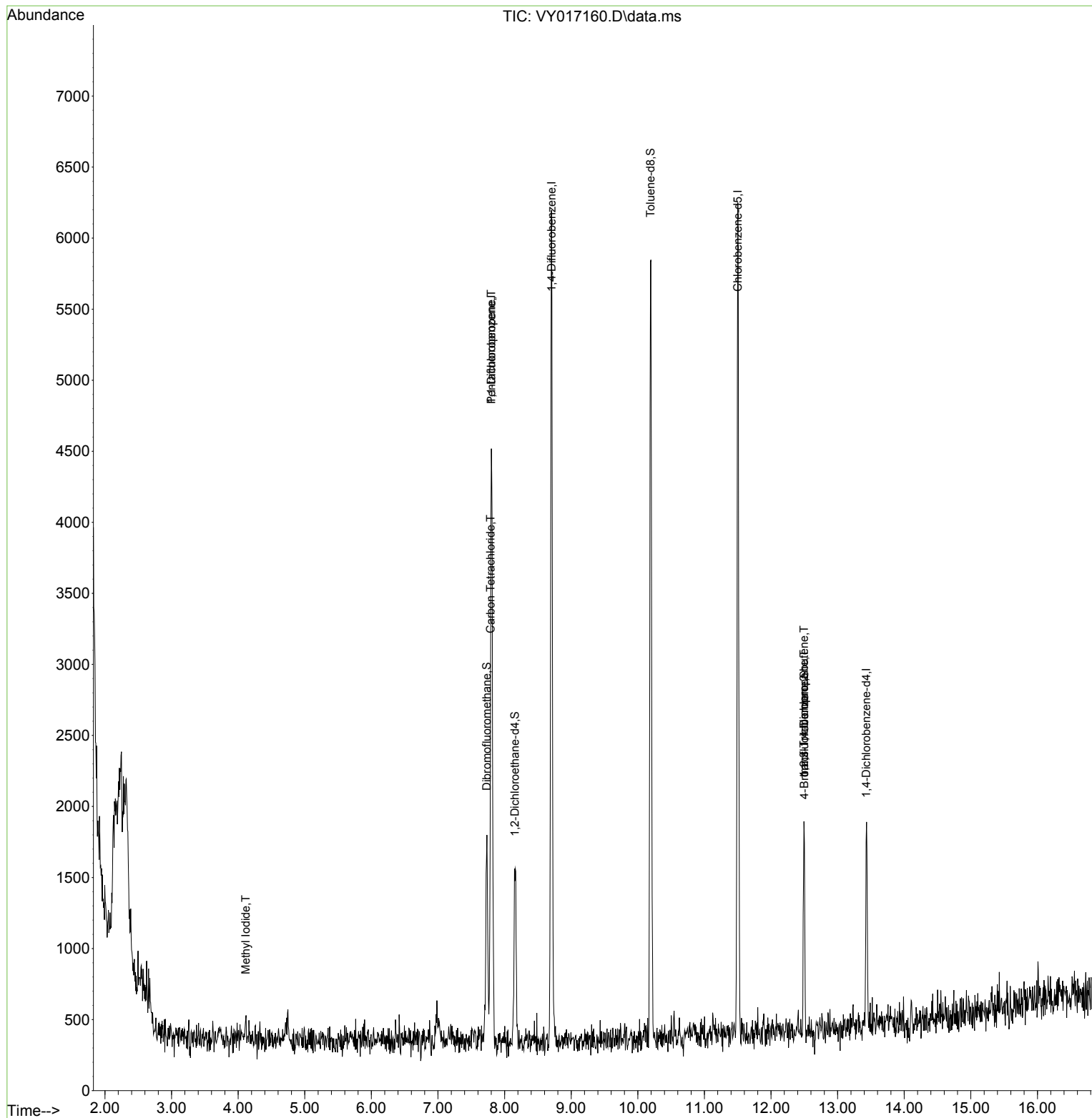
Internal Standards						
1) Pentafluorobenzene	7.801	168	3618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	5250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	3487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	1176	33.361	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.720%
35) Dibromofluoromethane	7.734	113	1211	38.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.440%
50) Toluene-d8	10.191	98	4237	35.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.800%
62) 4-Bromofluorobenzene	12.501	95	554	15.027	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	30.060%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.247	62	22	Below Cal	#	43
5) Bromomethane	2.674	94	20	Below Cal	#	1
10) Methyl Iodide	4.113	142	124	3.225	ug/l #	40
20) Methylene Chloride	4.735	84	124	Below Cal	#	7
36) 1,1-Dichloropropene	7.801	75	329	6.311	ug/l #	42
38) Carbon Tetrachloride	7.789	117	336	6.577	ug/l #	12
76) 1,2,3-Trichloropropane	12.495	75	261	42.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	261	110.892	ug/l #	12

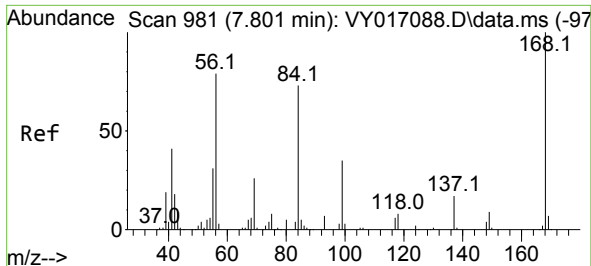
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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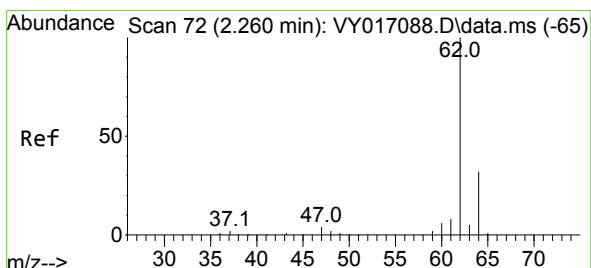
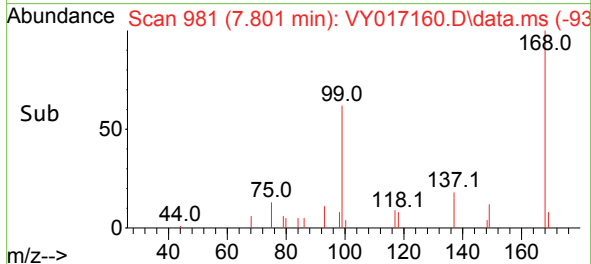
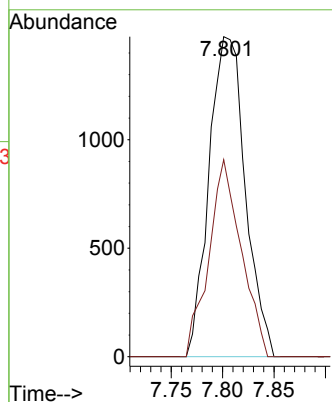
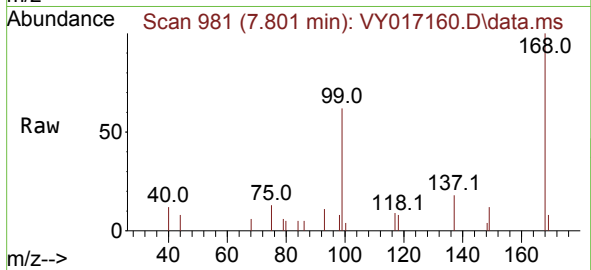




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

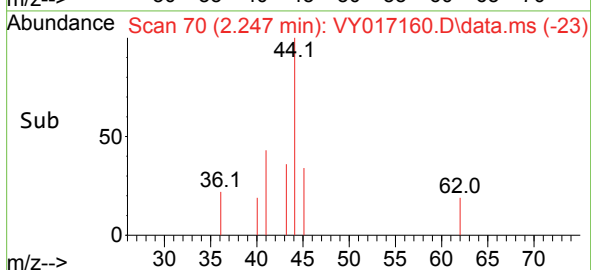
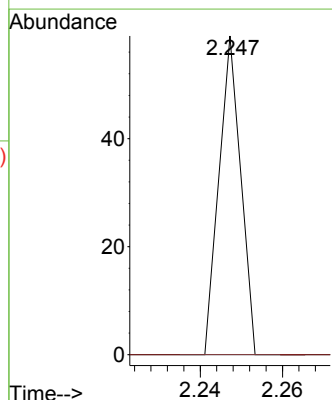
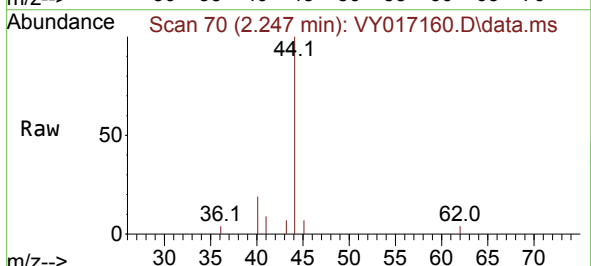
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

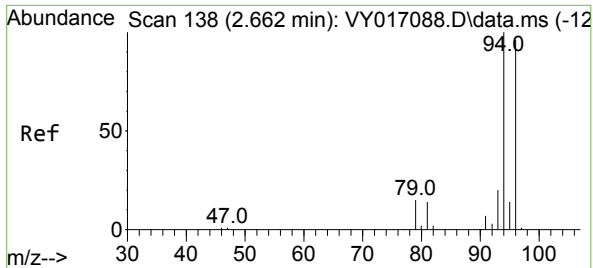
Tgt Ion:168 Resp: 3618
Ion Ratio Lower Upper
168 100
99 61.6 44.2 66.4



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.012 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

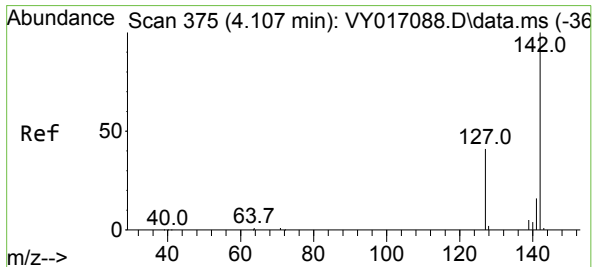
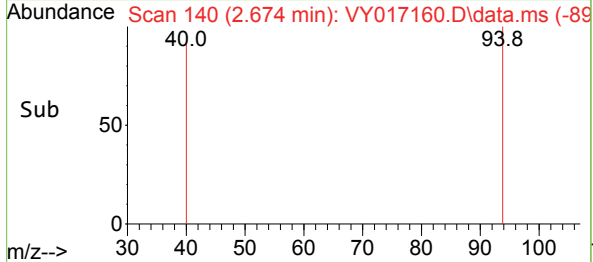
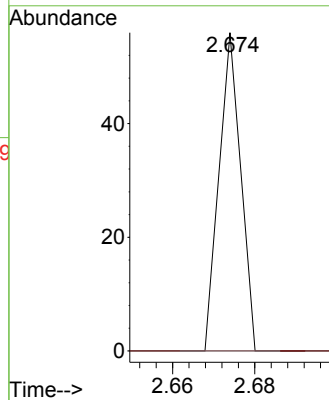
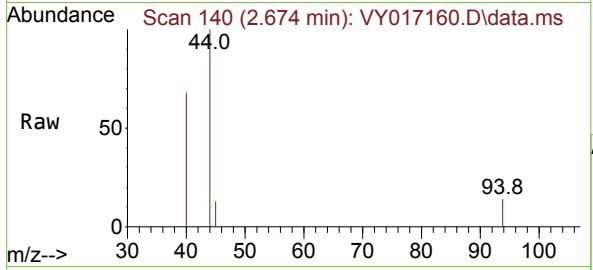




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

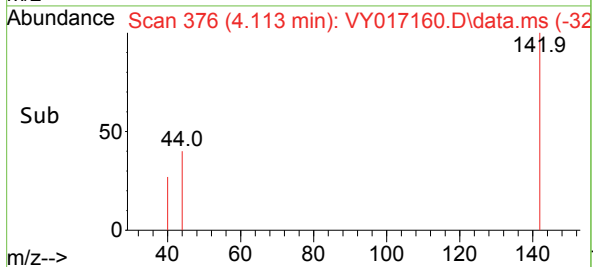
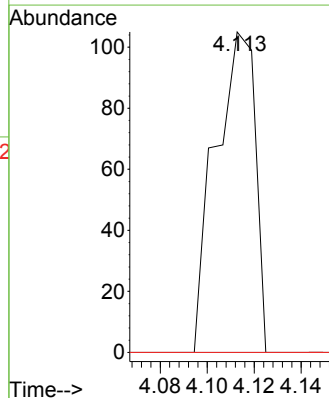
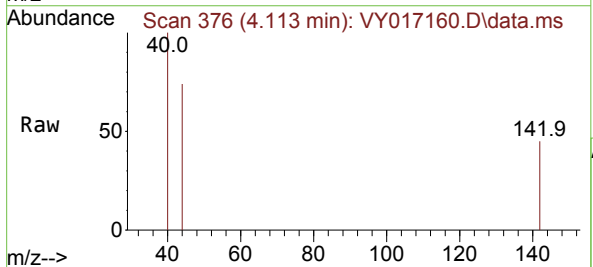
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

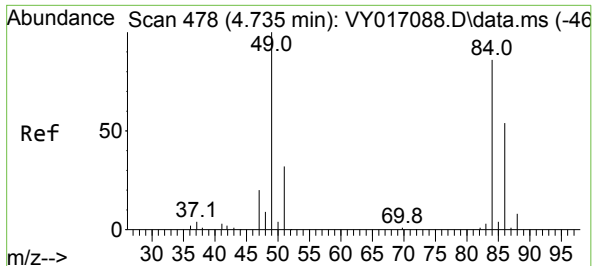
Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 77.3 115.9#



#10
Methyl Iodide
Concen: 3.225 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.007 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion:142 Resp: 124
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.735 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

Tgt Ion: 84 Resp: 124

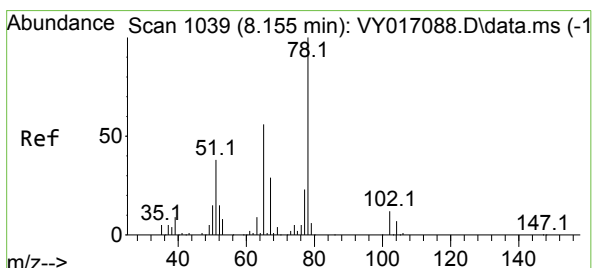
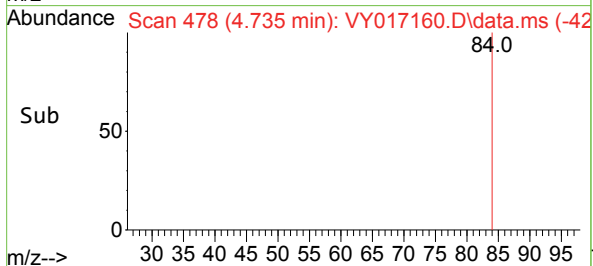
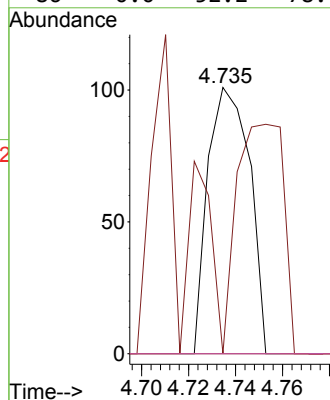
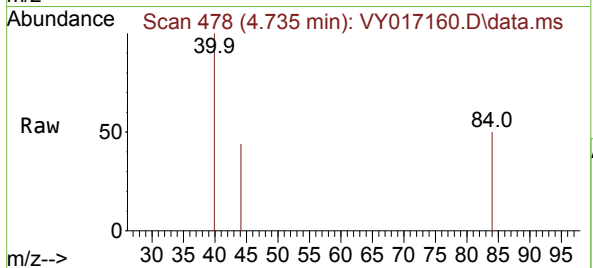
Ion Ratio Lower Upper

84 100

49 0.0 95.2 142.8#

51 0.0 29.9 44.9#

86 0.0 52.2 78.4#



#33

1,2-Dichloroethane-d4

Concen: 33.361 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY017160.D

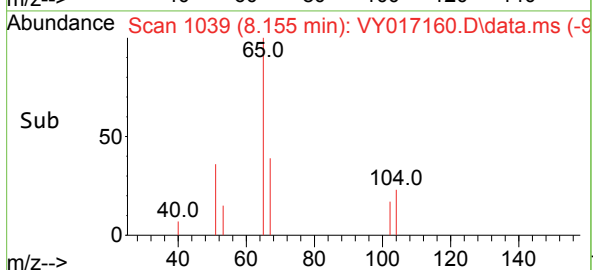
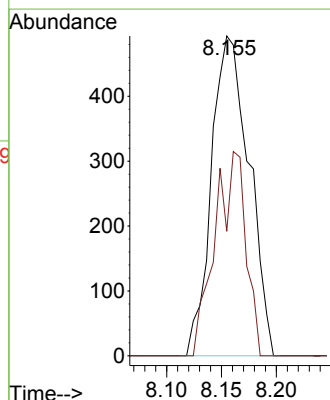
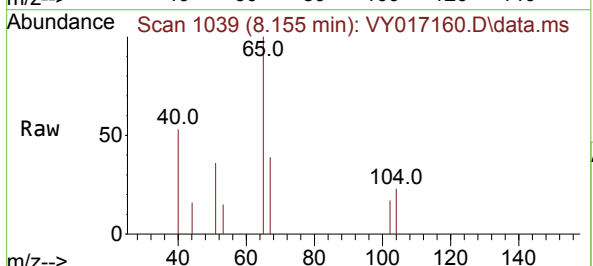
Acq: 31 Jan 2024 16:27

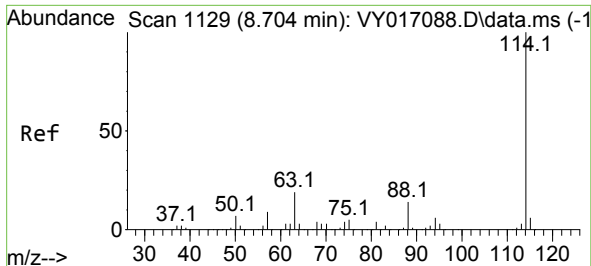
Tgt Ion: 65 Resp: 1176

Ion Ratio Lower Upper

65 100

67 52.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

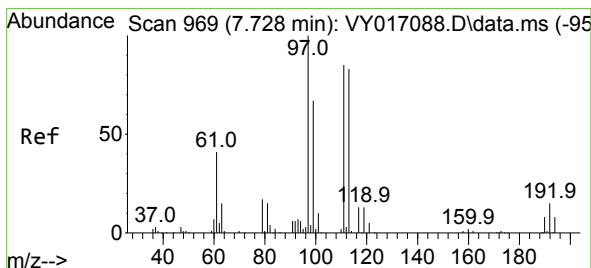
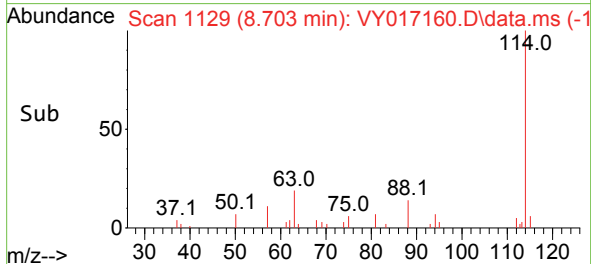
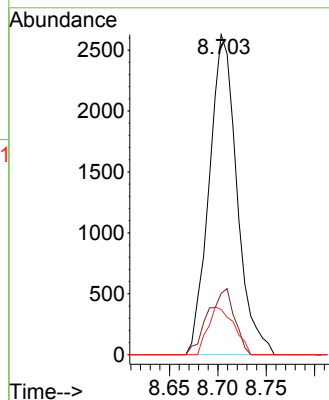
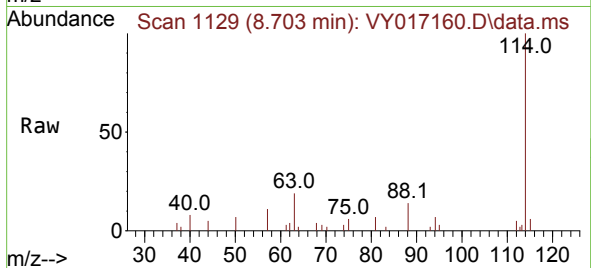
Tgt Ion:114 Resp: 5250

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.2 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.219 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

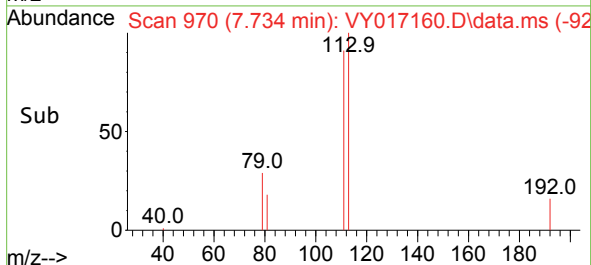
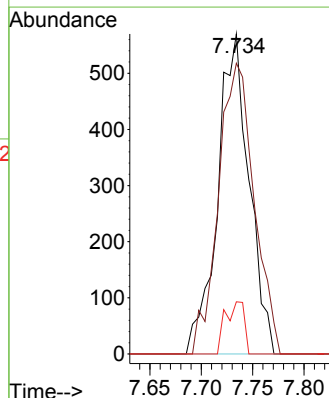
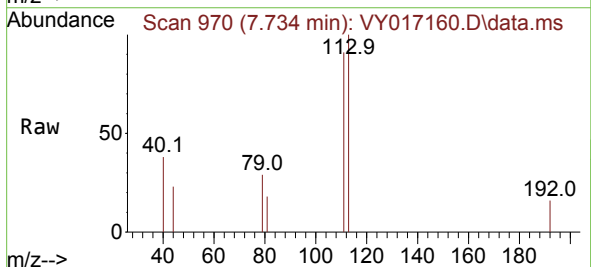
Tgt Ion:113 Resp: 1211

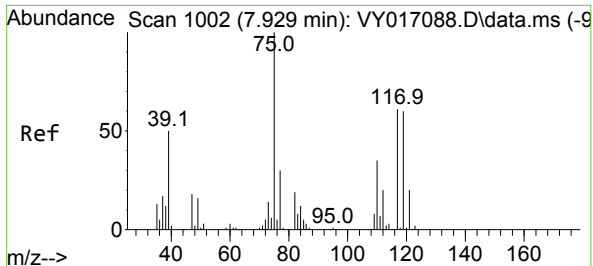
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 9.7 14.5 21.7#





#36

1,1-Dichloropropene

Concen: 6.311 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

TP-4

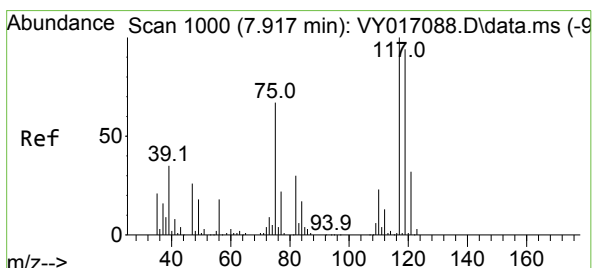
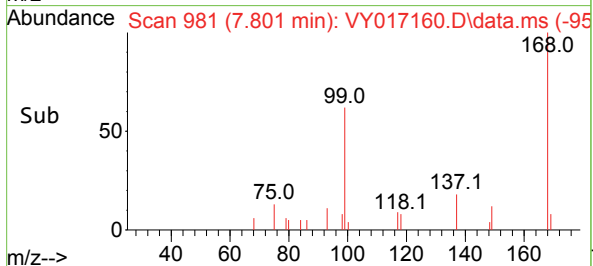
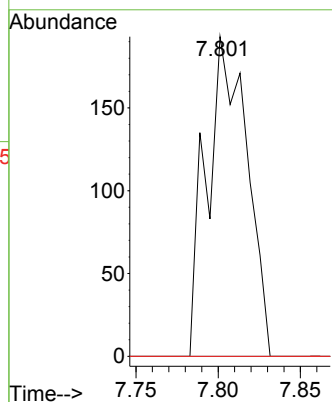
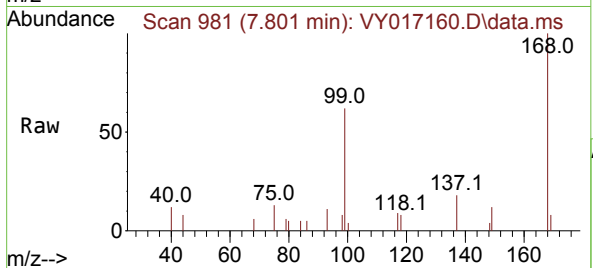
Tgt Ion: 75 Resp: 329

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.577 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

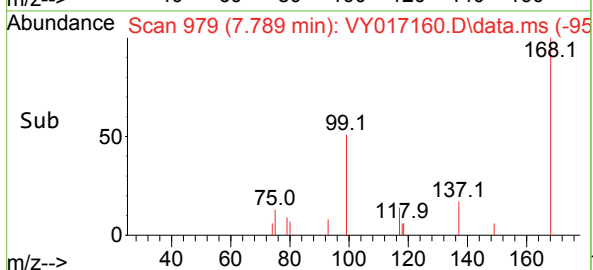
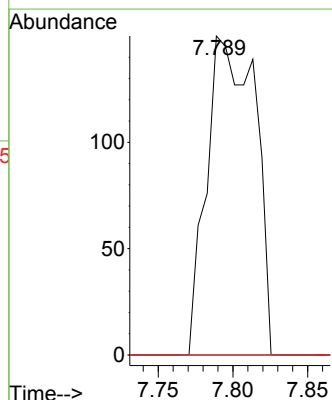
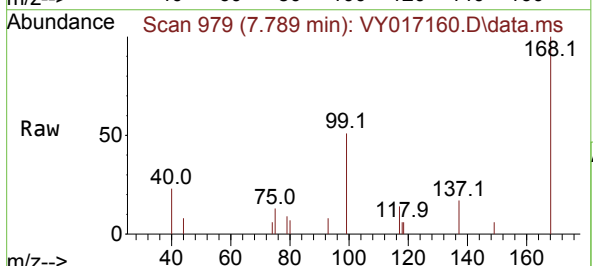
Tgt Ion: 117 Resp: 336

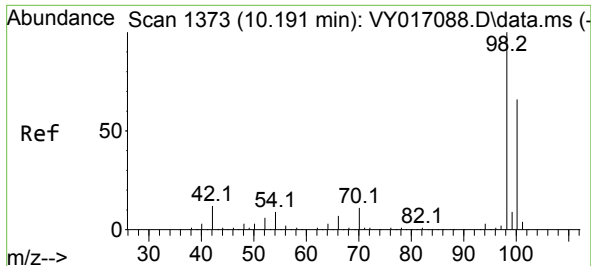
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.2 36.2#

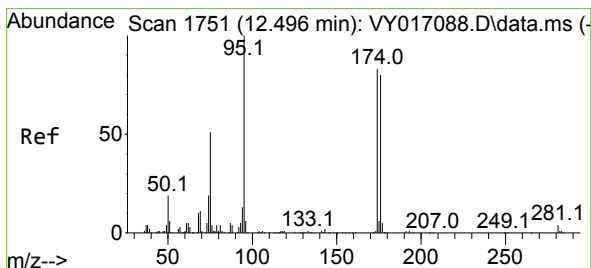
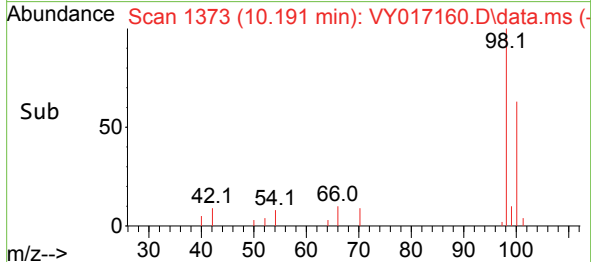
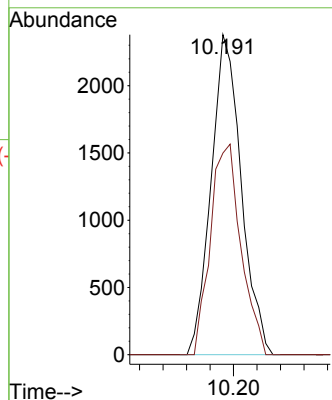
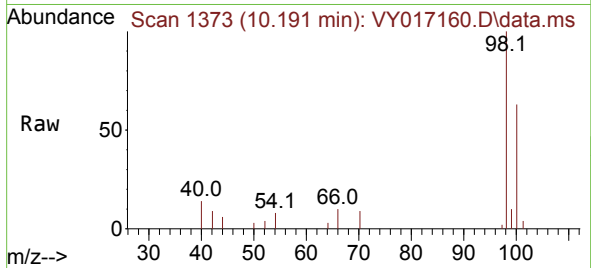




#50
Toluene-d8
Concen: 35.403 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

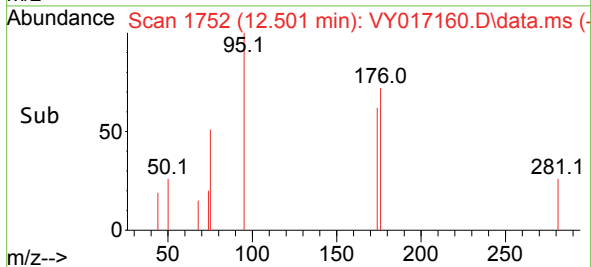
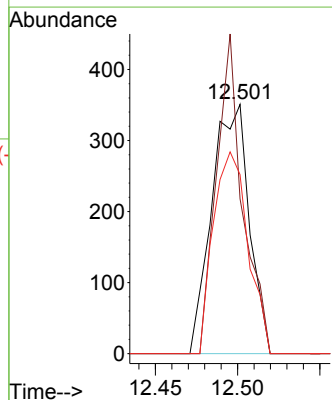
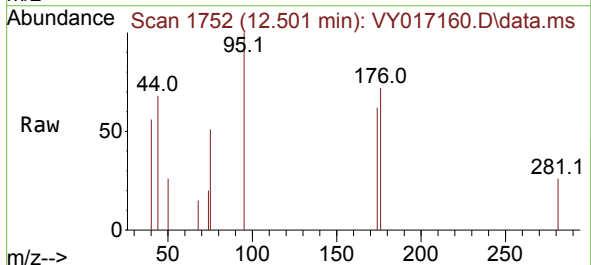
Instrument :
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TP-4

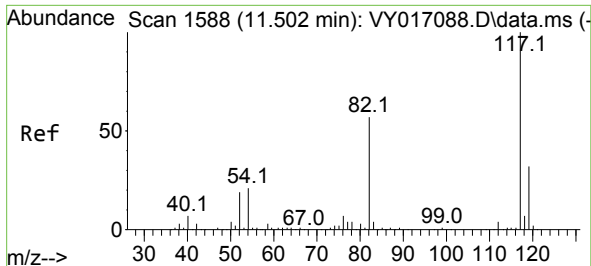
Tgt Ion: 98 Resp: 4237
Ion Ratio Lower Upper
98 100
100 66.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.027 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion: 95 Resp: 554
Ion Ratio Lower Upper
95 100
174 90.1 0.0 160.0
176 75.1 0.0 151.8

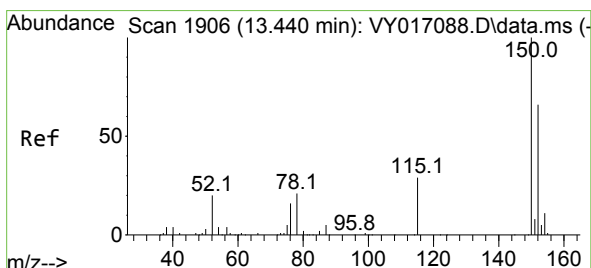
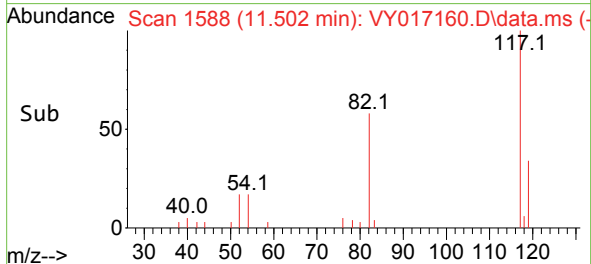
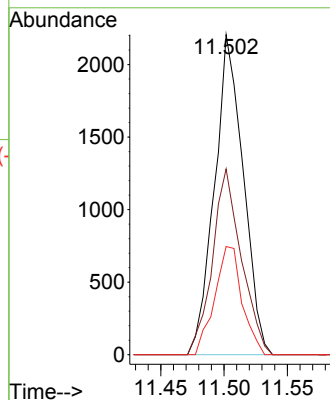
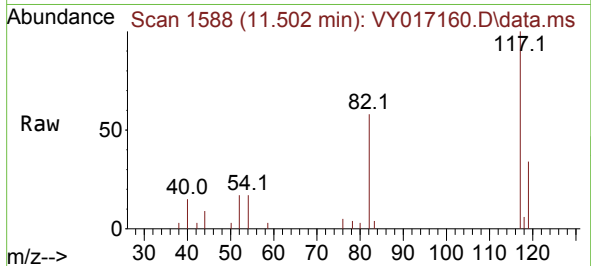




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

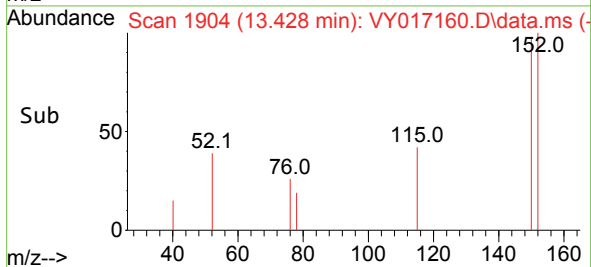
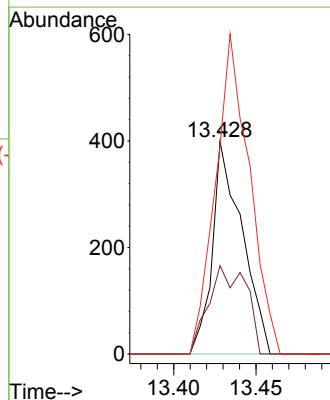
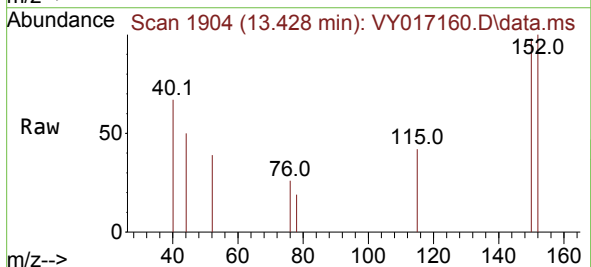
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

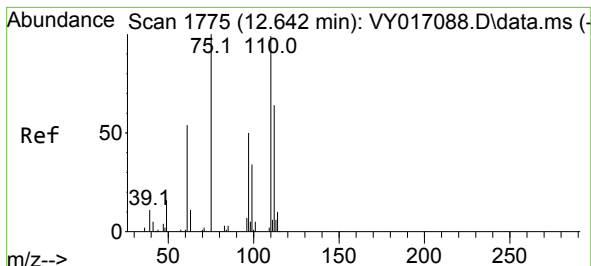
Tgt Ion:117	Resp:	3487
Ion	Ratio	Lower Upper
117	100	
82	58.1	43.8 65.8
119	33.8	26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017160.D
Acq: 31 Jan 2024 16:27

Tgt Ion:152	Resp:	502
Ion	Ratio	Lower Upper
152	100	
115	52.4	30.0 90.0
150	171.3	0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 42.834 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Instrument :

MSVOA_Y

ClientSampleId :

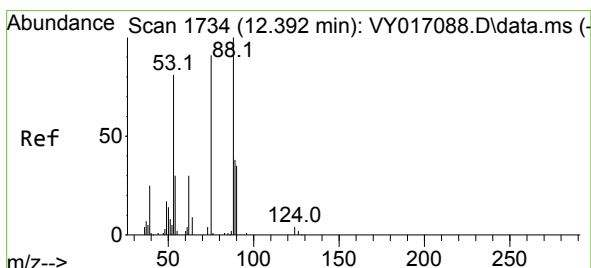
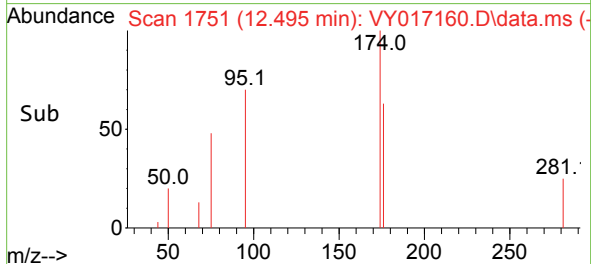
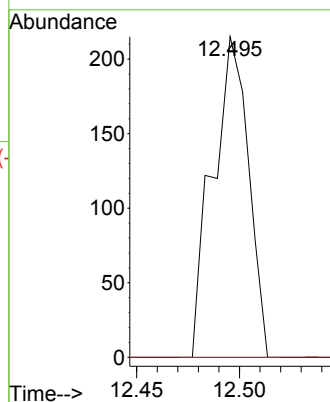
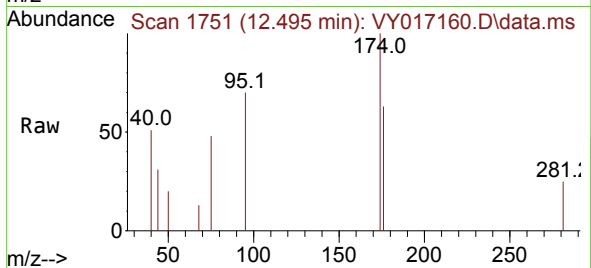
TP-4

Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 110.892 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY017160.D

Acq: 31 Jan 2024 16:27

Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

