

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017431.D
 Acq On : 21 Feb 2024 12:34
 Operator : SY/MD
 Sample : P1549-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HT3727

Quant Time: Feb 22 03:24:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

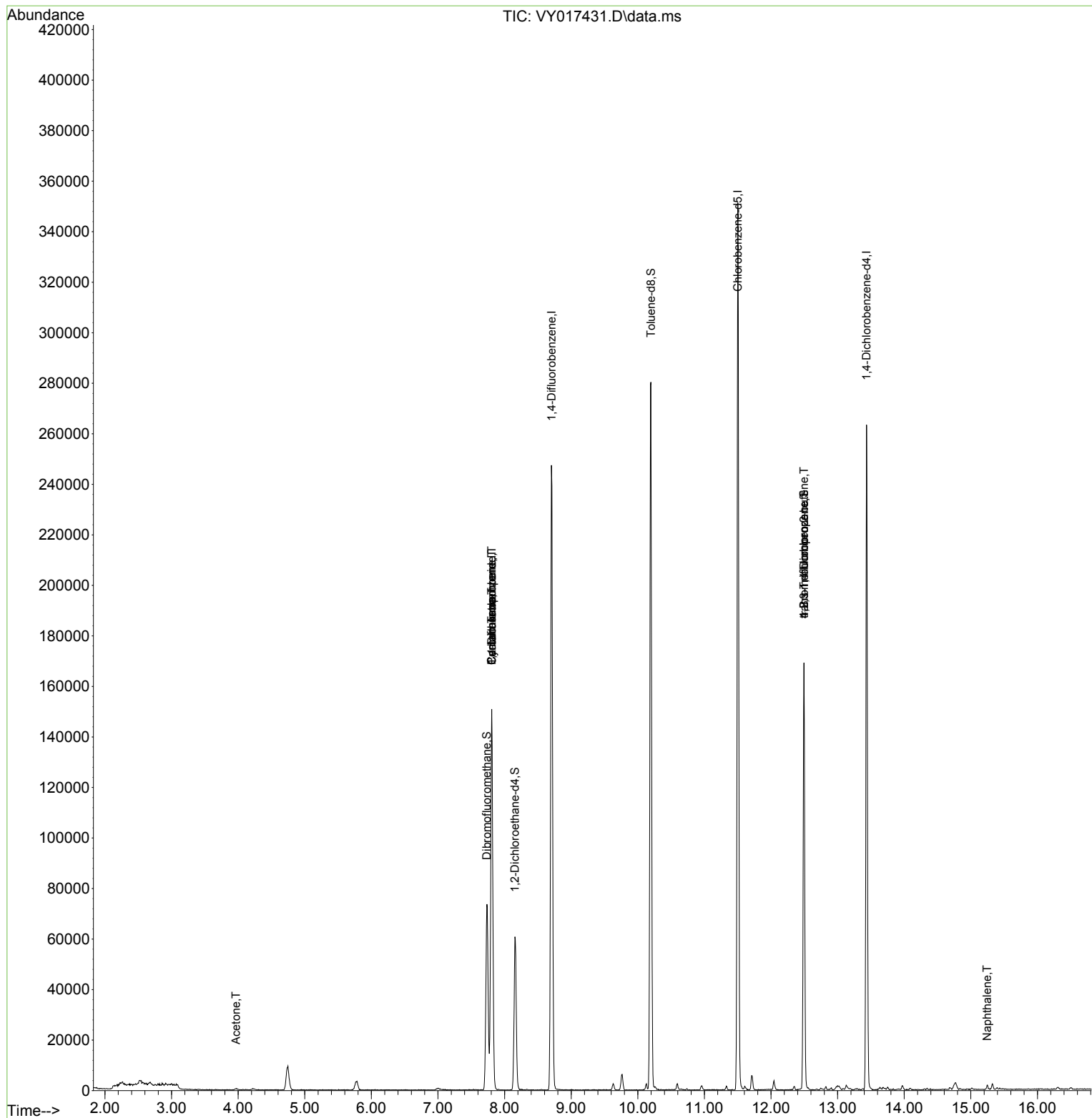
Internal Standards						
1) Pentafluorobenzene	7.807	168	118024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	220450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	195737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	66905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	47075	46.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.380%
35) Dibromofluoromethane	7.734	113	53330	41.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.660%
50) Toluene-d8	10.197	98	192439	38.451	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.900%
62) 4-Bromofluorobenzene	12.495	95	50045	30.674	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.340%
Target Compounds						
					Qvalue	
5) Bromomethane	2.680	94	545	Below Cal		88
16) Acetone	3.966	43	907	4.154 ug/l	#	75
20) Methylene Chloride	4.734	84	7606	Below Cal		90
31) Cyclohexane	7.807	56	2288	1.146 ug/l	#	1
36) 1,1-Dichloropropene	7.807	75	9330	4.329 ug/l	#	47
38) Carbon Tetrachloride	7.807	117	11045	5.147 ug/l	#	17
76) 1,2,3-Trichloropropane	12.495	75	25934	39.978 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.495	75	25934	93.211 ug/l	#	16
95) Naphthalene	15.245	128	1803	4.377 ug/l		98

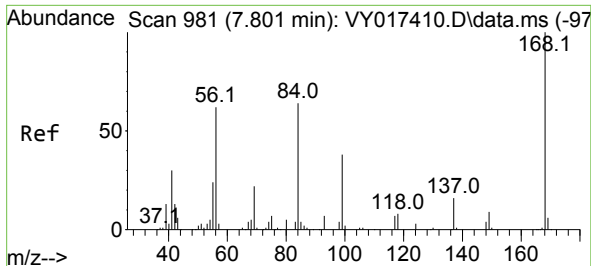
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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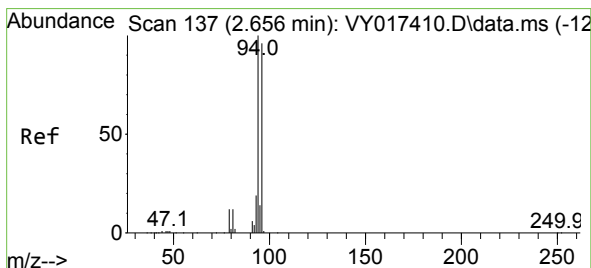
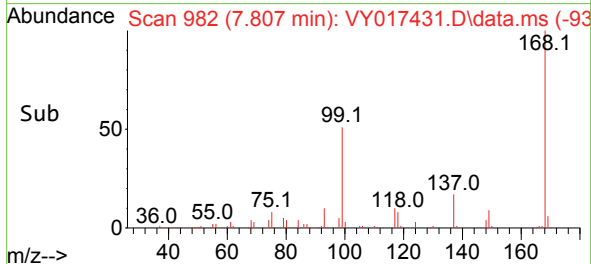
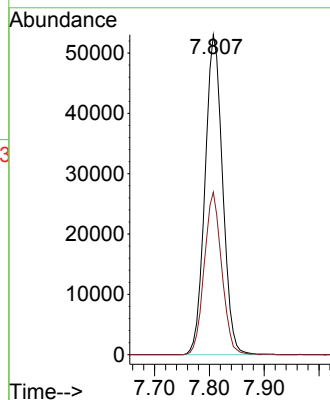
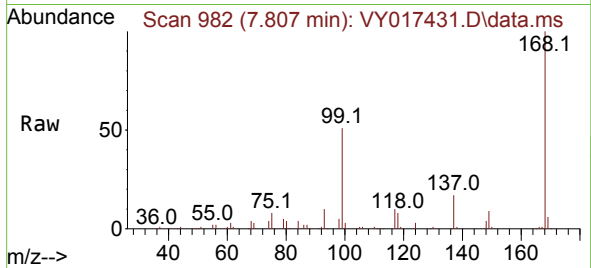




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

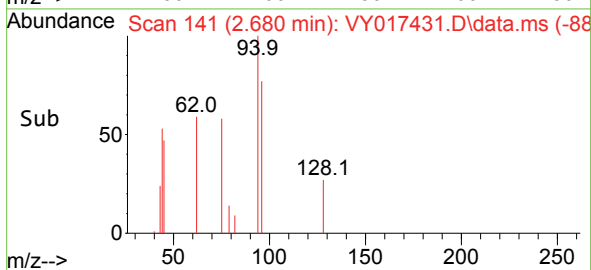
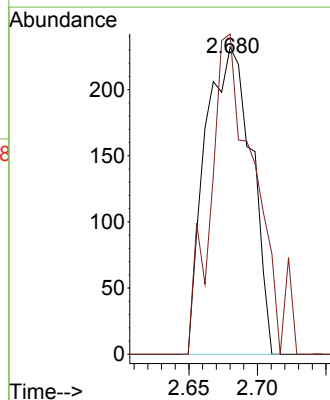
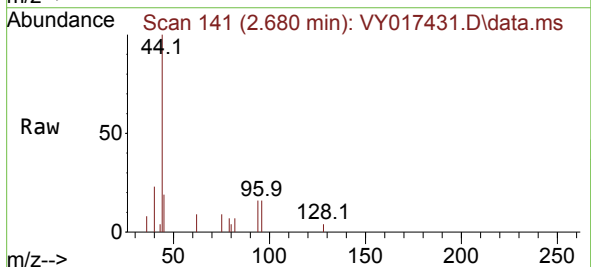
Instrument :
MSVOA_Y
ClientSampleId :
HT3727

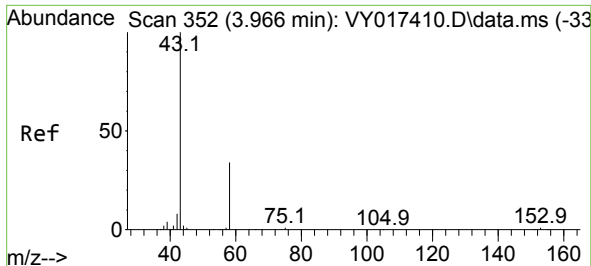
Tgt Ion:168 Resp: 118024
Ion Ratio Lower Upper
168 100
99 50.8 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

Tgt Ion: 94 Resp: 545
Ion Ratio Lower Upper
94 100
96 104.3 74.1 111.1





#16

Acetone

Concen: 4.154 ug/l

RT: 3.966 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY017431.D

Acq: 21 Feb 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

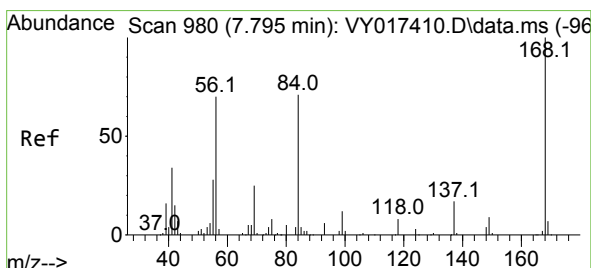
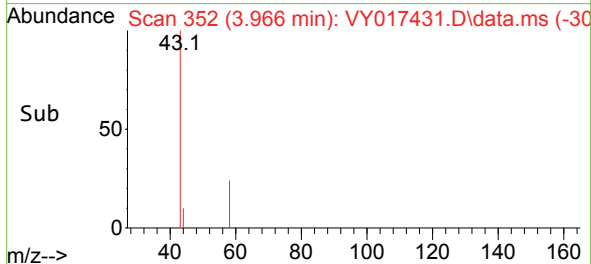
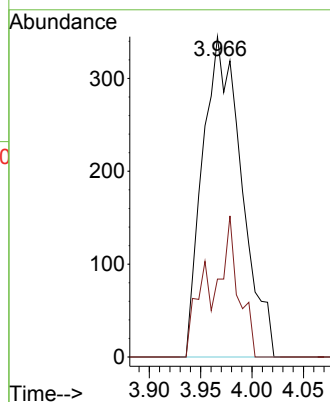
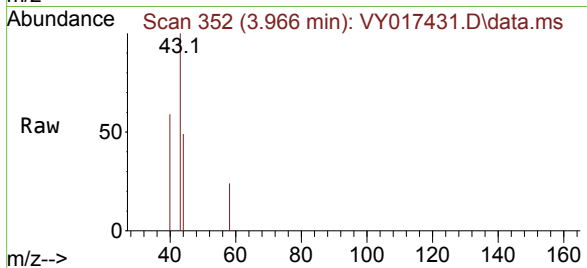
HT3727

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 24.3 31.7 47.5#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY017431.D

Acq: 21 Feb 2024 12:34

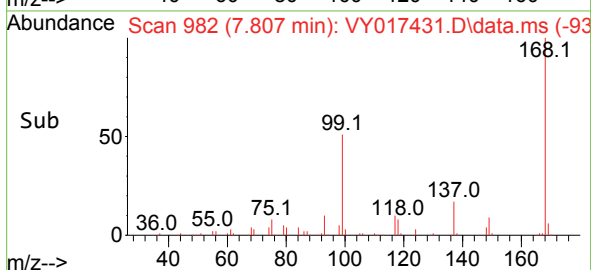
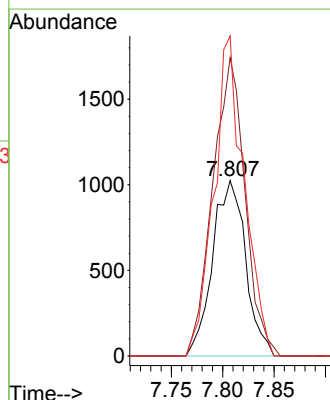
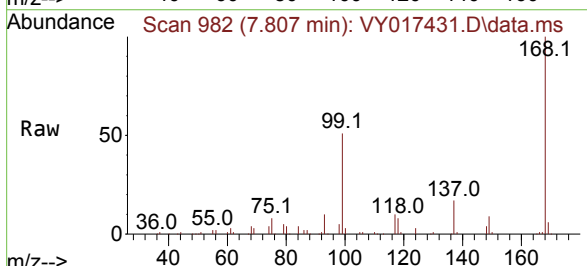
Tgt Ion: 56 Resp: 2288

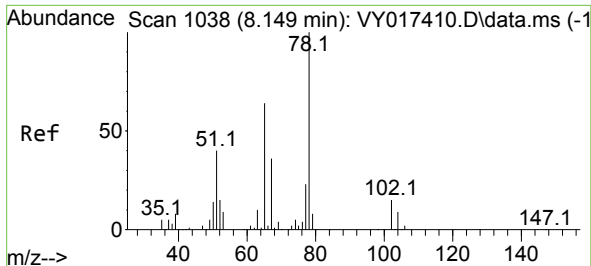
Ion Ratio Lower Upper

56 100

69 170.1 28.7 43.1#

84 182.5 77.7 116.5#

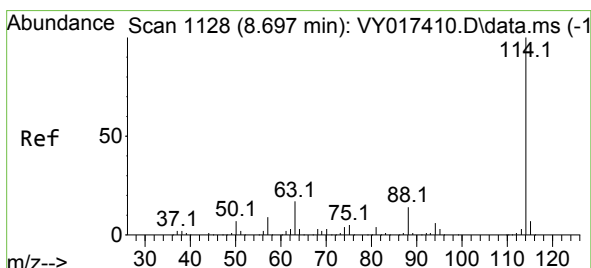
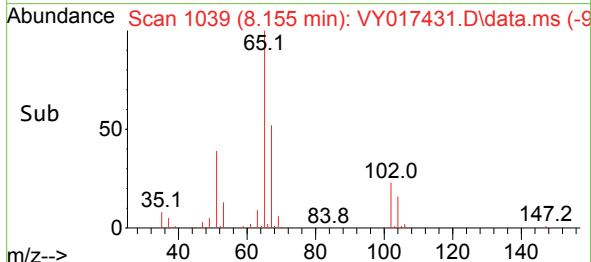
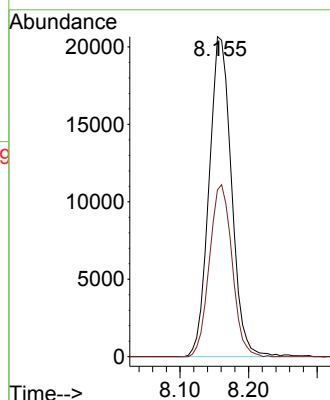
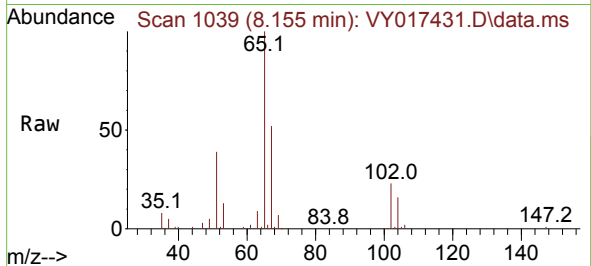




#33
 1,2-Dichloroethane-d4
 Concen: 46.689 ug/l
 RT: 8.155 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: VY017431.D
 Acq: 21 Feb 2024 12:34

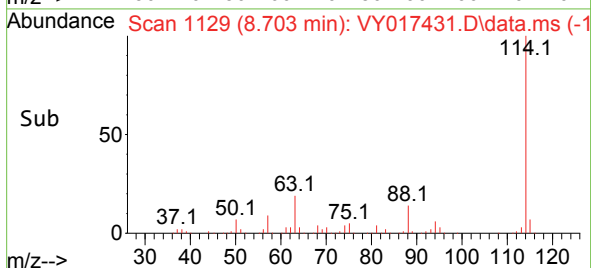
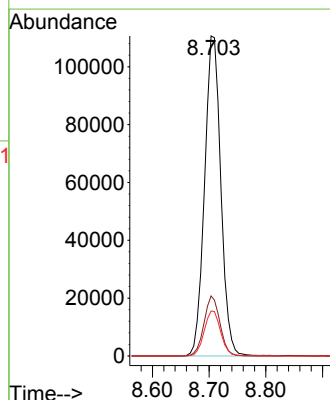
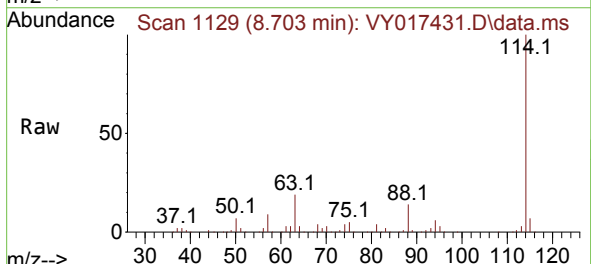
Instrument :
 MSVOA_Y
 ClientSampleId :
 HT3727

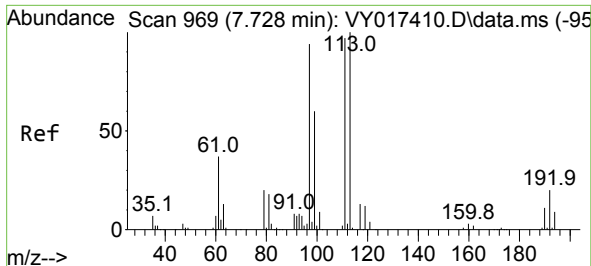
Tgt Ion: 65 Resp: 47075
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.703 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VY017431.D
 Acq: 21 Feb 2024 12:34

Tgt Ion: 114 Resp: 220450
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.0
 88 14.1 0.0 27.2

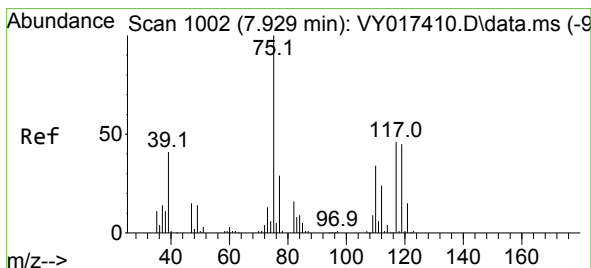
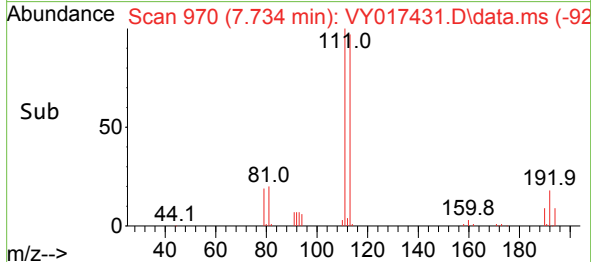
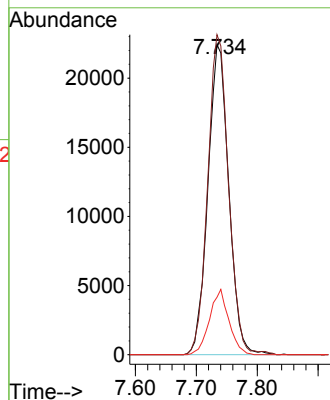
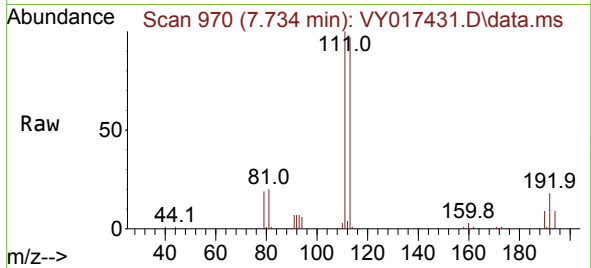




#35
Dibromofluoromethane
Concen: 41.327 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

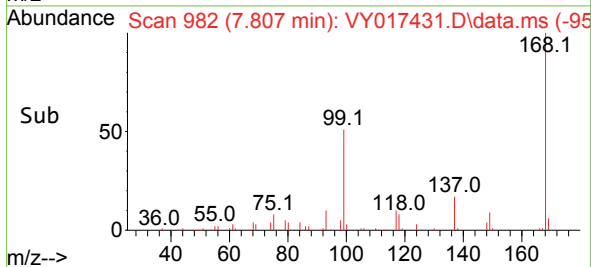
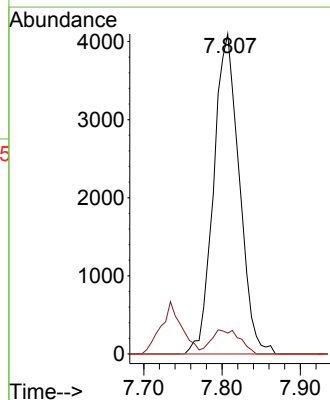
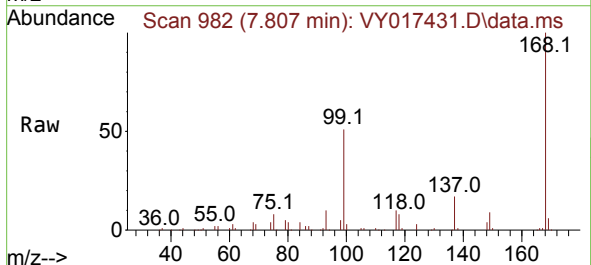
Instrument :
MSVOA_Y
ClientSampleId :
HT3727

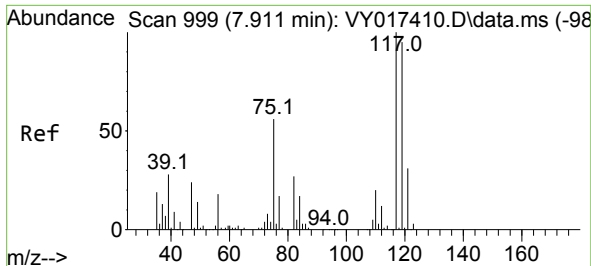
Tgt Ion:113 Resp: 53330
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.329 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

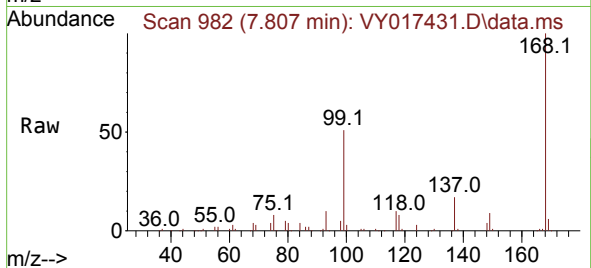
Tgt Ion: 75 Resp: 9330
Ion Ratio Lower Upper
75 100
110 8.4 19.0 57.0#
77 0.0 25.3 37.9#



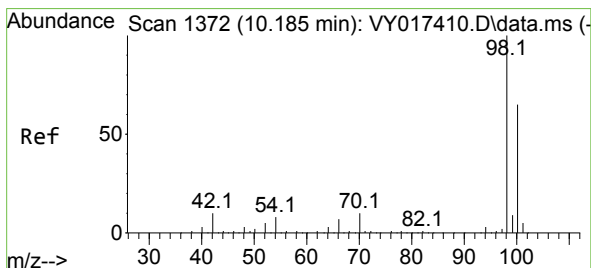
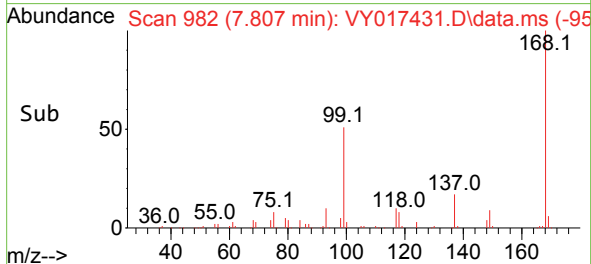
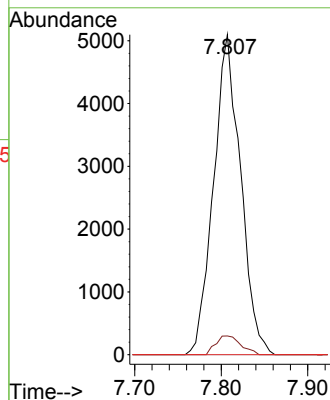


#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

Instrument :
MSVOA_Y
ClientSampleId :
HT3727

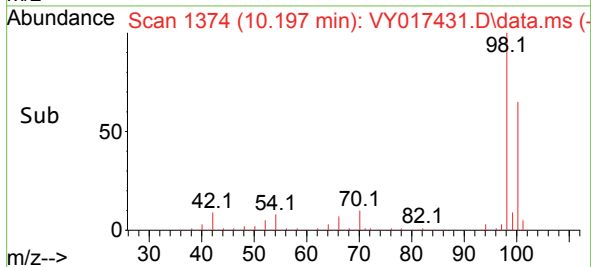
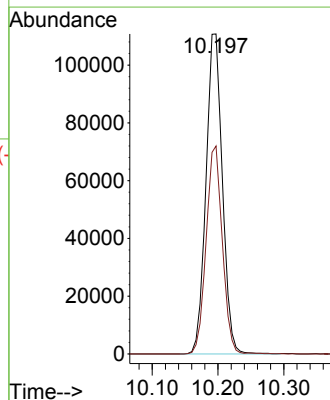
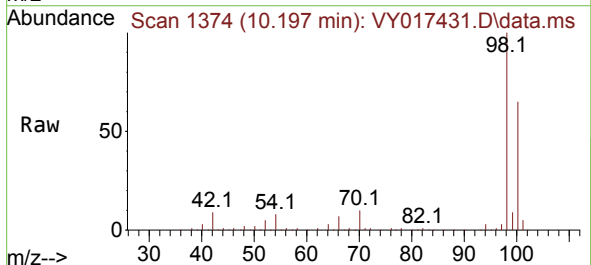


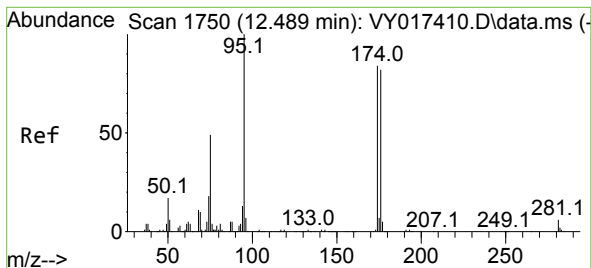
Tgt Ion:117 Resp: 11045
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 38.451 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

Tgt Ion: 98 Resp: 192439
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 30.674 ug/l

RT: 12.495 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017431.D

Acq: 21 Feb 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

HT3727

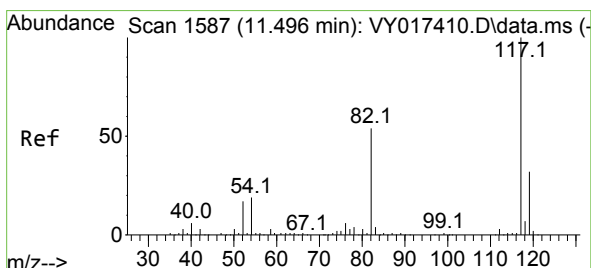
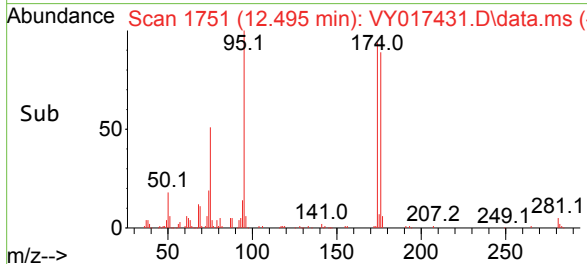
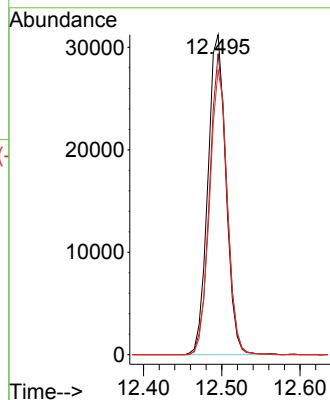
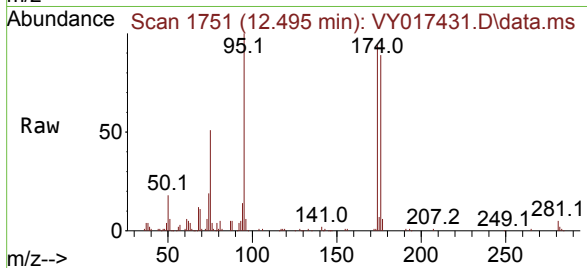
Tgt Ion: 95 Resp: 50045

Ion Ratio Lower Upper

95 100

174 90.5 0.0 175.6

176 87.3 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. 0.006 min

Lab File: VY017431.D

Acq: 21 Feb 2024 12:34

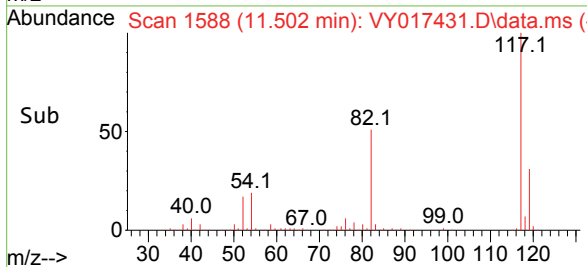
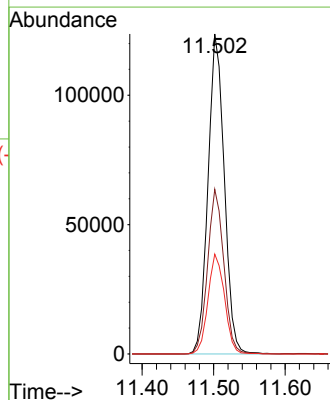
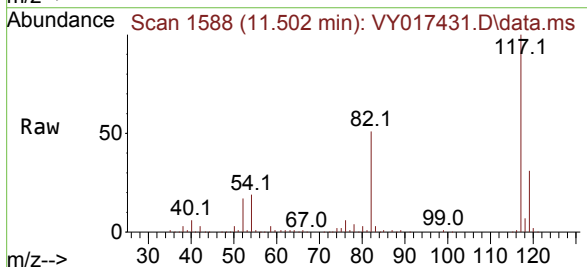
Tgt Ion: 117 Resp: 195737

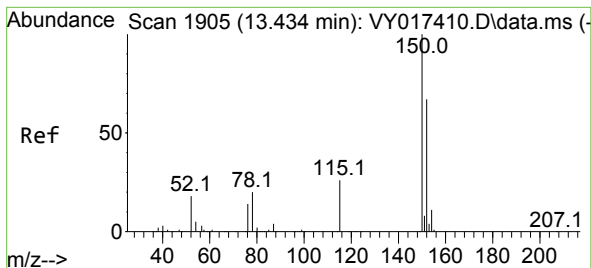
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 31.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017431.D

Acq: 21 Feb 2024 12:34

Instrument :

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HT3727

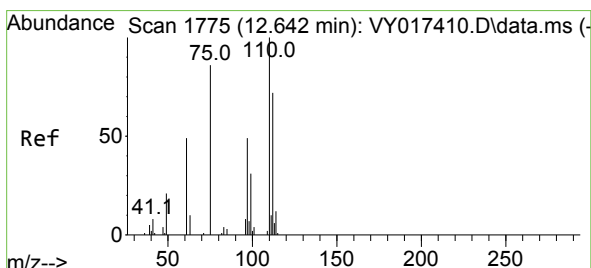
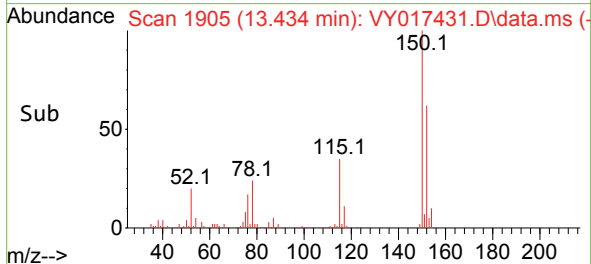
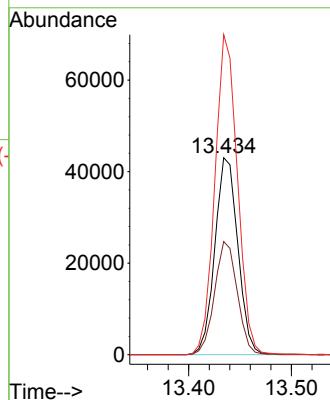
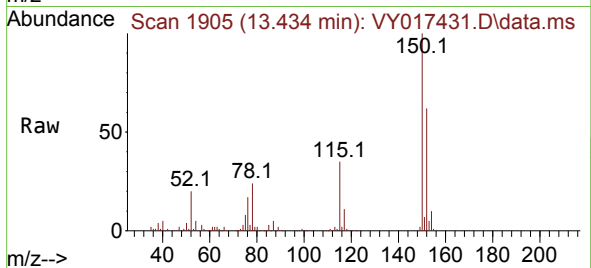
Tgt Ion:152 Resp: 66905

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 159.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 39.978 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017431.D

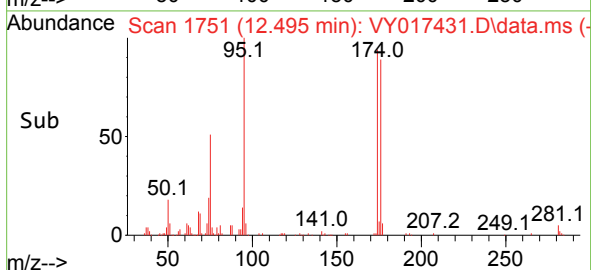
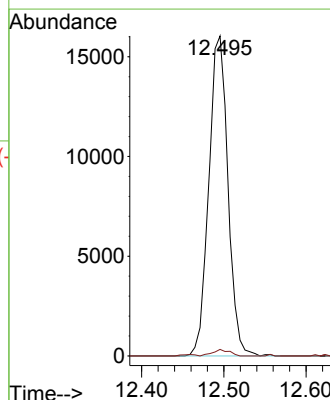
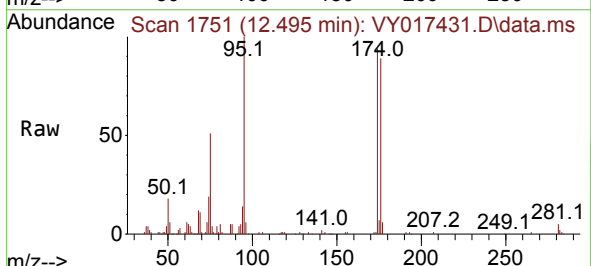
Acq: 21 Feb 2024 12:34

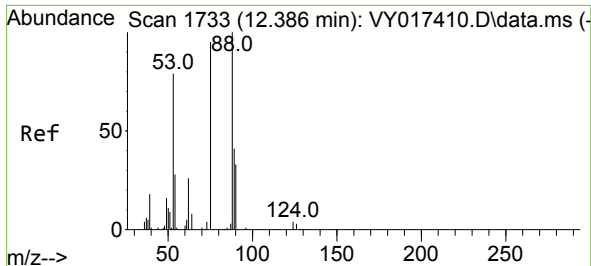
Tgt Ion: 75 Resp: 25934

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

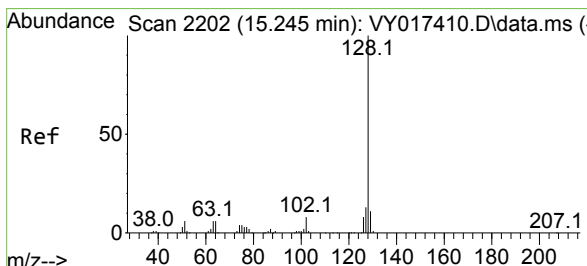
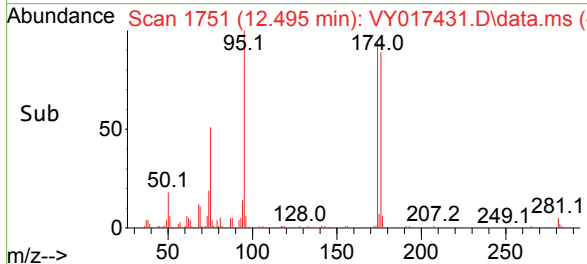
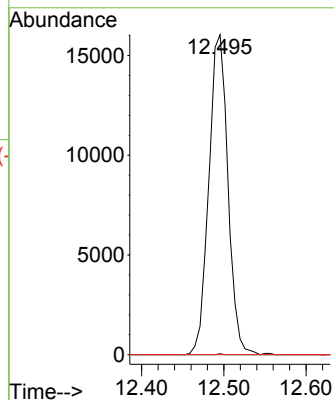
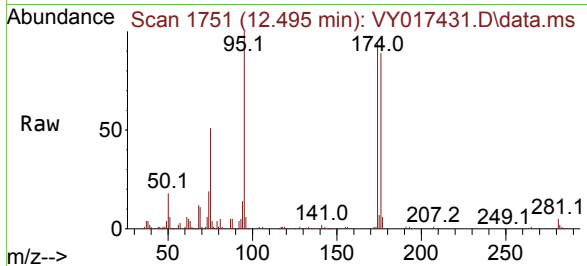




#81
trans-1,4-Dichloro-2-butene
Concen: 93.211 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

Instrument :
MSVOA_Y
ClientSampleId :
HT3727

Tgt Ion: 75 Resp: 25934
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.377 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017431.D
Acq: 21 Feb 2024 12:34

Tgt Ion: 128 Resp: 1803
Ion Ratio Lower Upper
128 100
127 12.5 10.6 16.0
129 10.5 8.6 13.0

