

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017439.D
 Acq On : 21 Feb 2024 15:42
 Operator : SY/MD
 Sample : P1537-06
 Misc : 4.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 6

Quant Time: Feb 22 03:26:56 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)

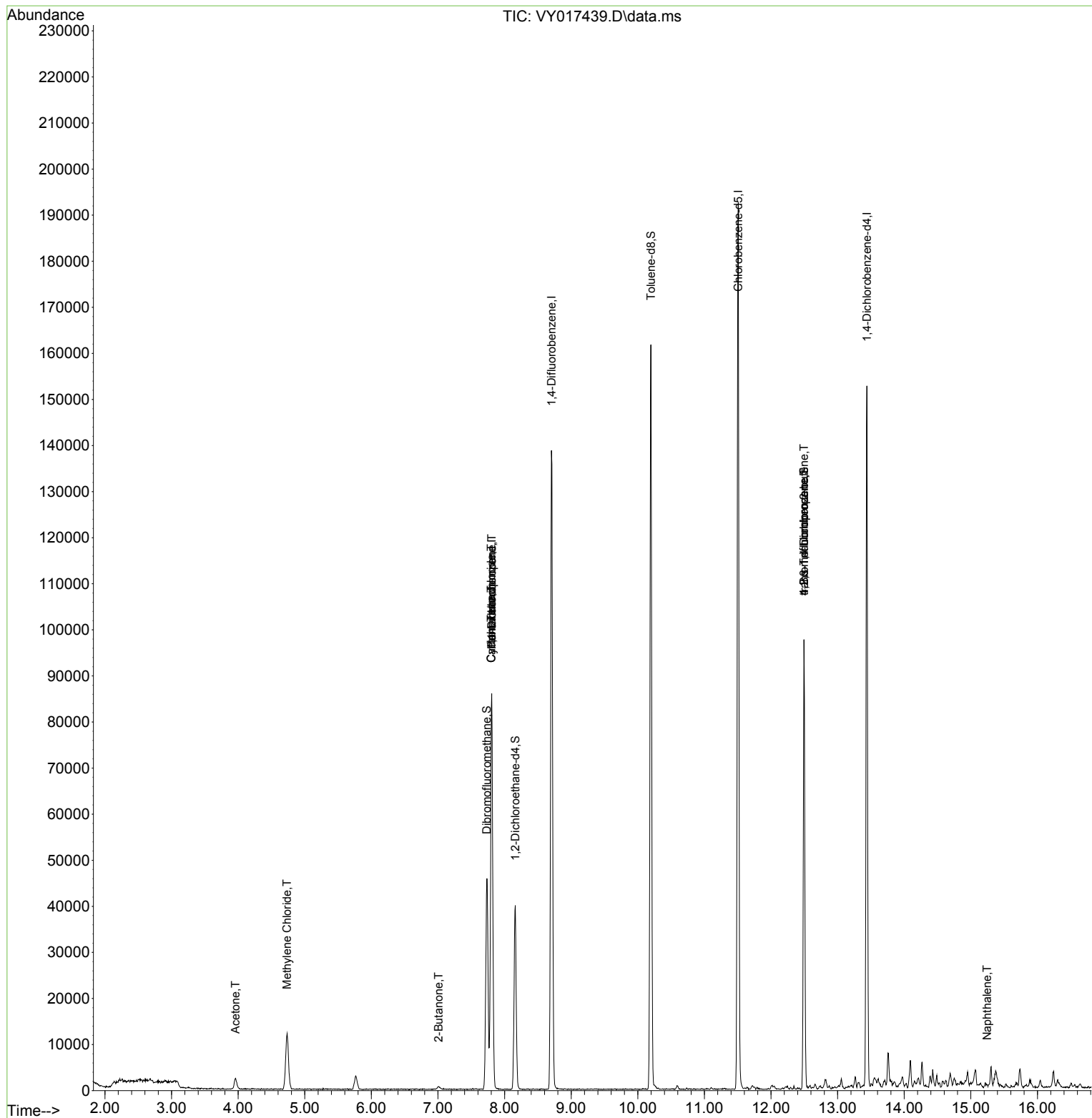
Internal Standards						
1) Pentafluorobenzene	7.807	168	71223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	129874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	116158	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	40570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	29944	49.214	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.420%
35) Dibromofluoromethane	7.734	113	34039	44.774	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.540%
50) Toluene-d8	10.197	98	110003	37.309	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.620%
62) 4-Bromofluorobenzene	12.495	95	28314	29.526	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.060%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	174	Below Cal	#	78
16) Acetone	3.960	43	4217	32.002	ug/l	99
20) Methylene Chloride	4.735	84	9648	6.662	ug/l	96
25) 2-Butanone	7.009	43	1195	6.461	ug/l	# 81
31) Cyclohexane	7.801	56	1371	1.138	ug/l	# 21
36) 1,1-Dichloropropene	7.807	75	5045	3.973	ug/l	# 48
38) Carbon Tetrachloride	7.801	117	6658	5.267	ug/l	# 17
76) 1,2,3-Trichloropropane	12.495	75	14809	37.647	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	14809	87.776	ug/l	# 16
95) Naphthalene	15.245	128	301	3.770	ug/l	# 69

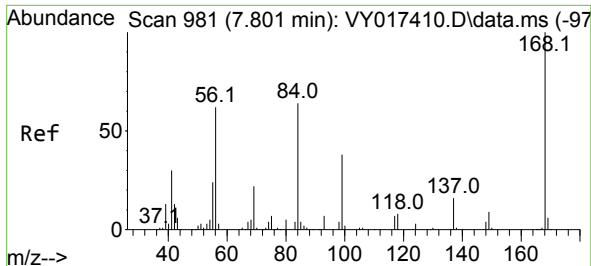
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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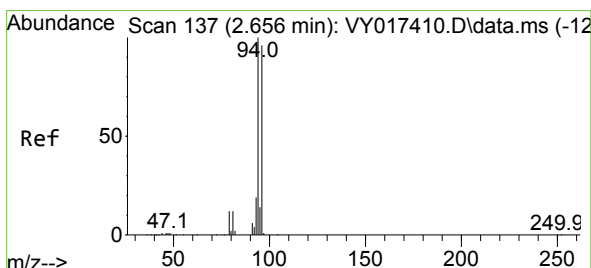
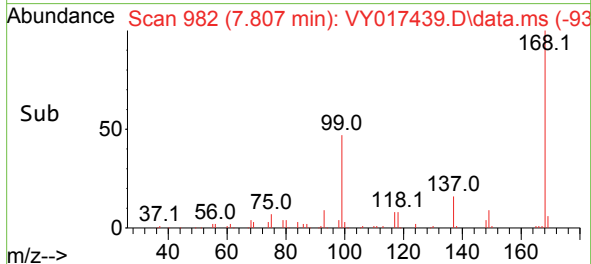
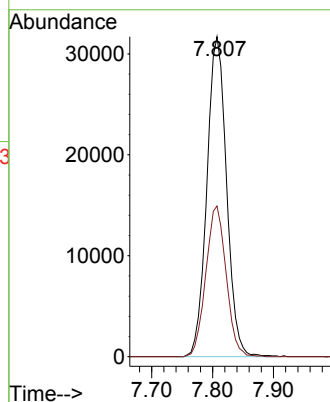
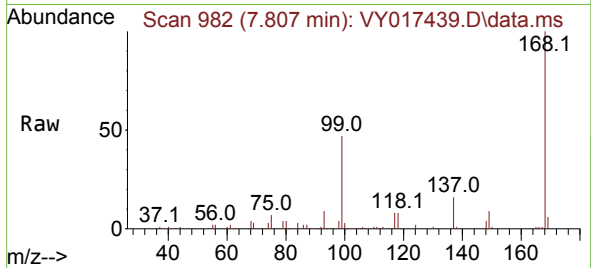




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

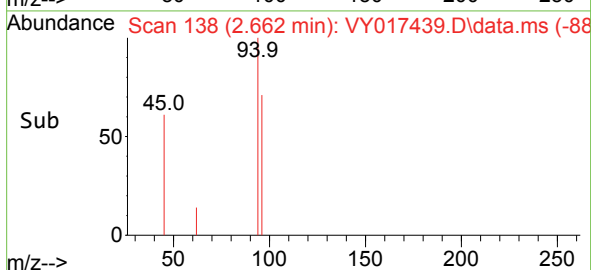
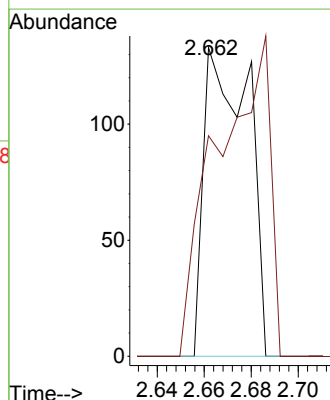
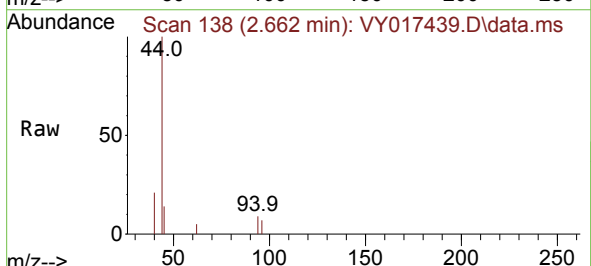
Instrument :
MSVOA_Y
ClientSampleId :
6

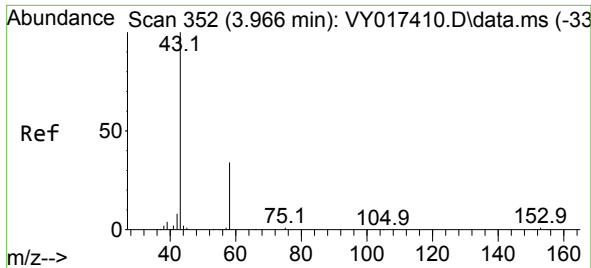
Tgt Ion:168 Resp: 71223
Ion Ratio Lower Upper
168 100
99 47.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 71.4 74.1 111.1#





#16

Acetone

Concen: 32.002 ug/l

RT: 3.960 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Instrument :

MSVOA_Y

ClientSampleId :

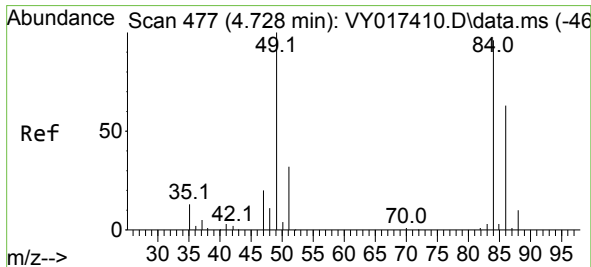
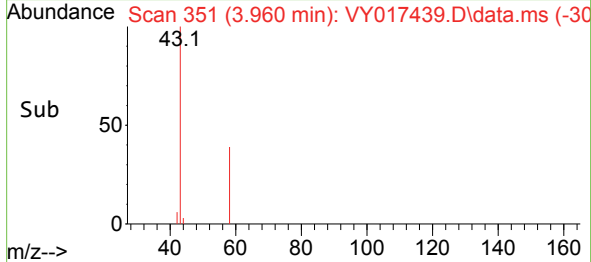
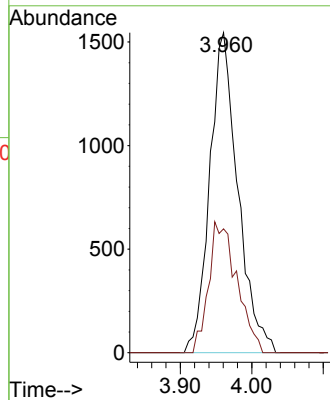
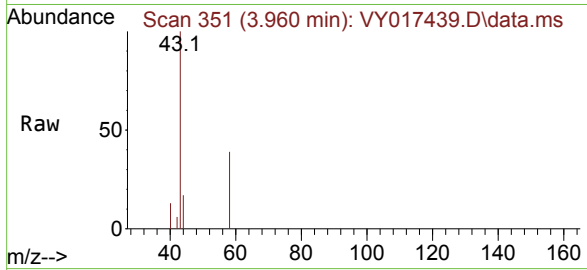
6

Tgt Ion: 43 Resp: 4217

Ion Ratio Lower Upper

43 100

58 38.7 31.7 47.5



#20

Methylene Chloride

Concen: 6.662 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Tgt Ion: 84 Resp: 9648

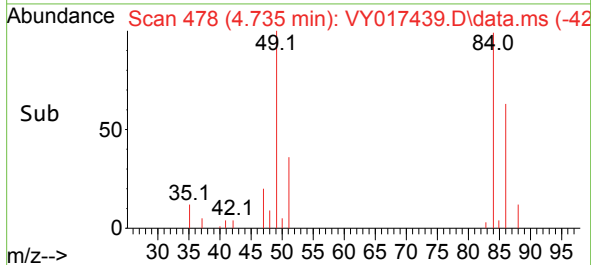
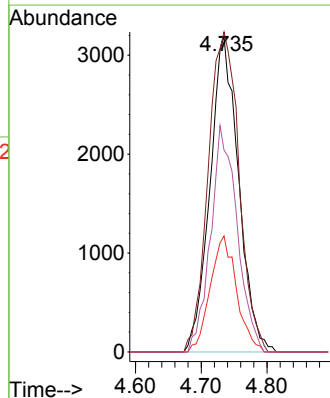
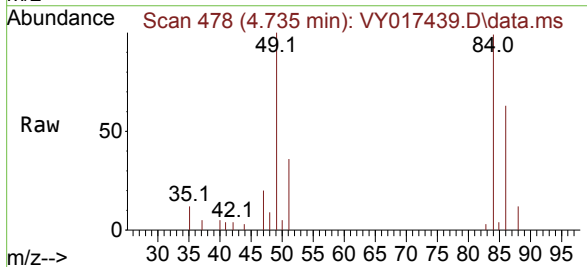
Ion Ratio Lower Upper

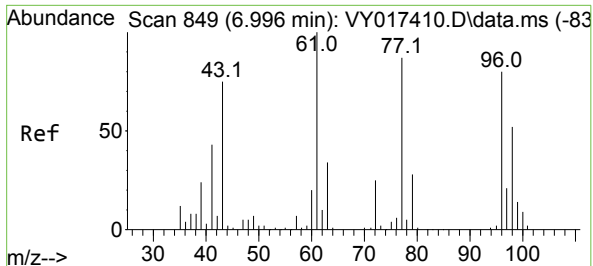
84 100

49 101.4 84.4 126.6

51 36.8 26.0 39.0

86 64.0 49.5 74.3





#25

2-Butanone

Concen: 6.461 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Instrument :

MSVOA_Y

ClientSampleId :

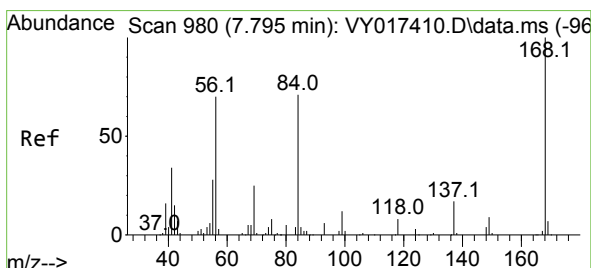
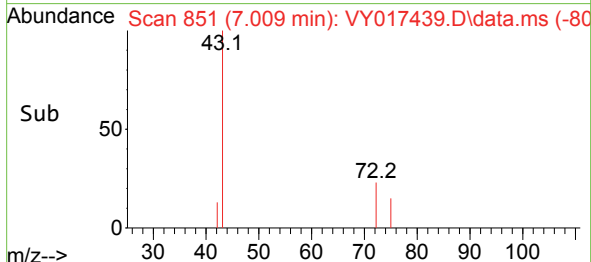
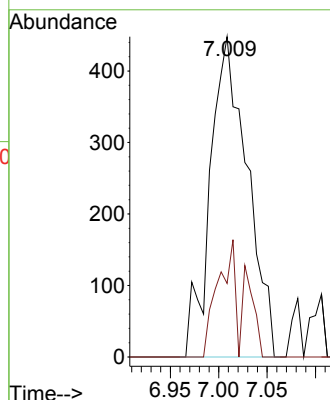
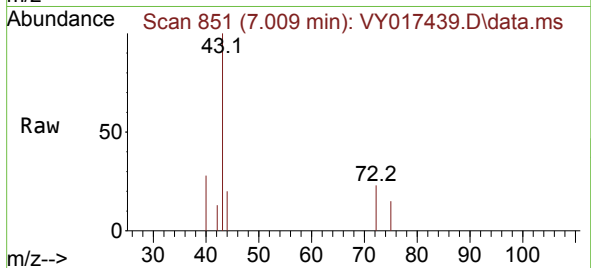
6

Tgt Ion: 43 Resp: 1195

Ion Ratio Lower Upper

43 100

72 23.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

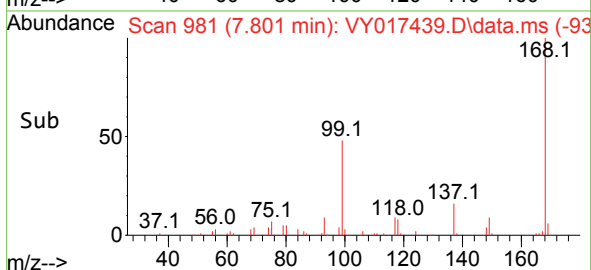
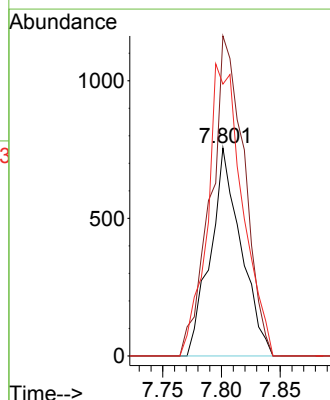
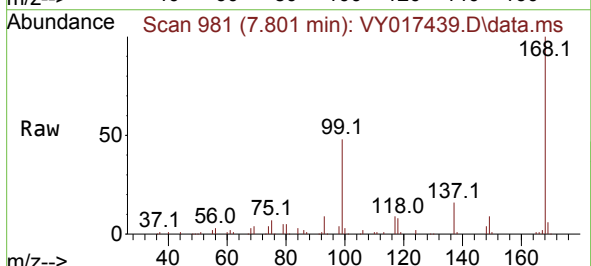
Tgt Ion: 56 Resp: 1371

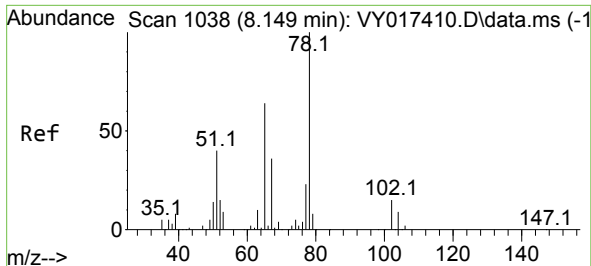
Ion Ratio Lower Upper

56 100

69 153.8 28.7 43.1#

84 130.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.214 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Instrument :

MSVOA_Y

ClientSampleId :

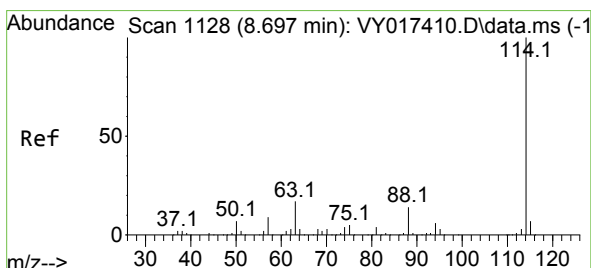
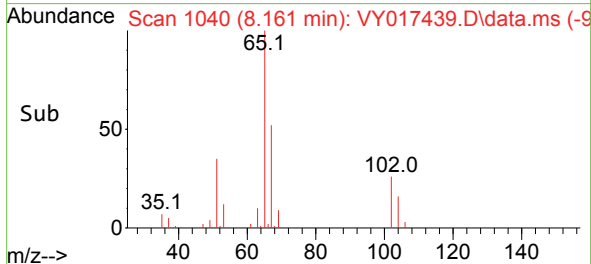
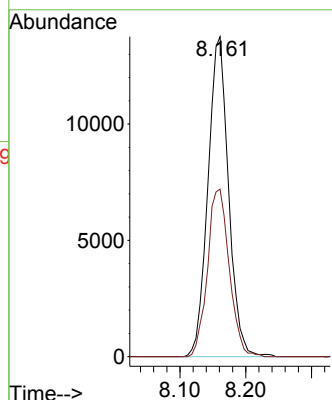
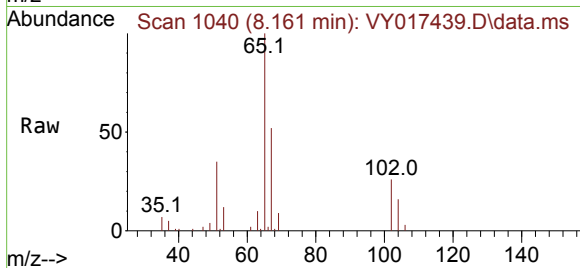
6

Tgt Ion: 65 Resp: 29944

Ion Ratio Lower Upper

65 100

67 55.4 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: VY017439.D

Acq: 21 Feb 2024 15:42

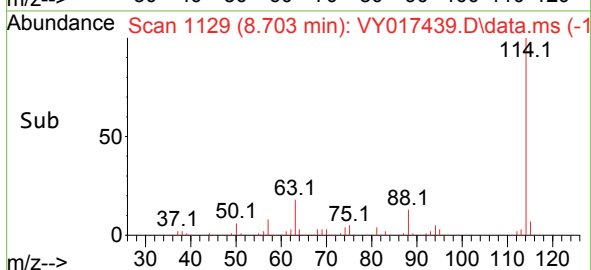
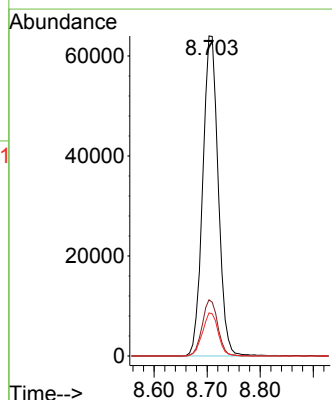
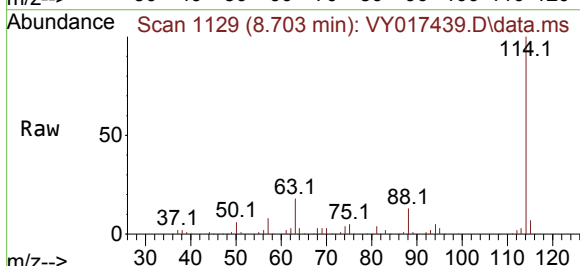
Tgt Ion: 114 Resp: 129874

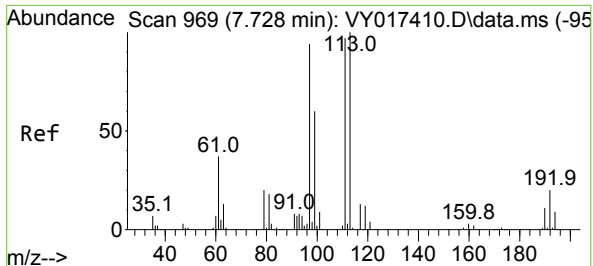
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 13.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 44.774 ug/l

RT: 7.734 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Instrument :

MSVOA_Y

ClientSampleId :

6

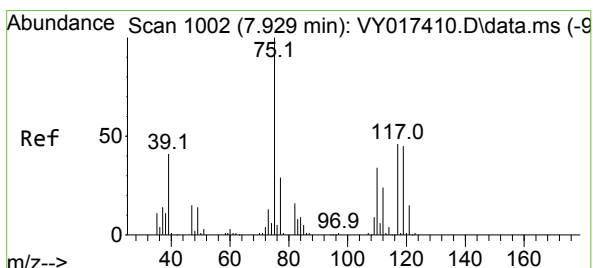
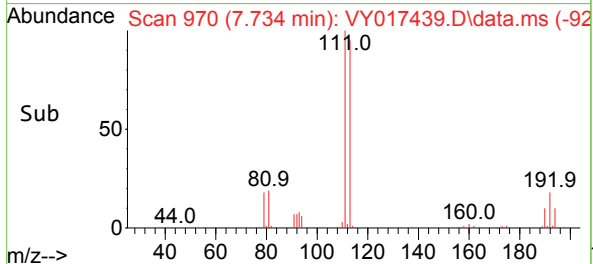
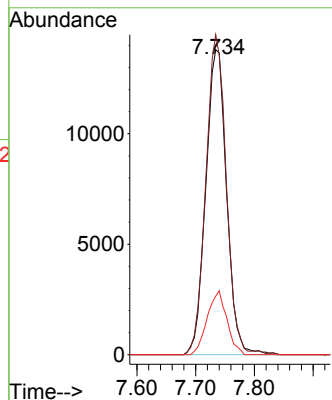
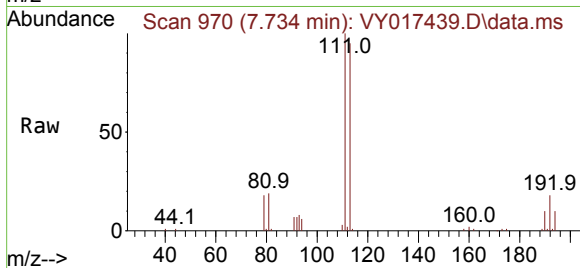
Tgt Ion:113 Resp: 34039

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 3.973 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

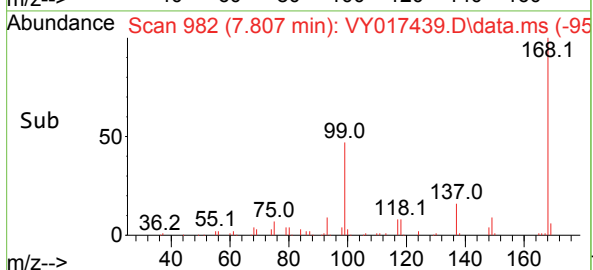
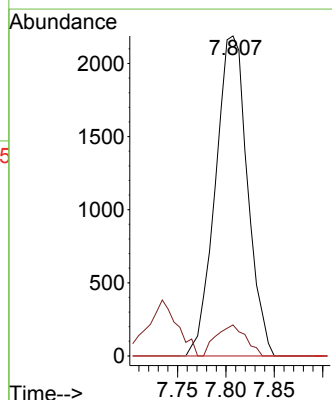
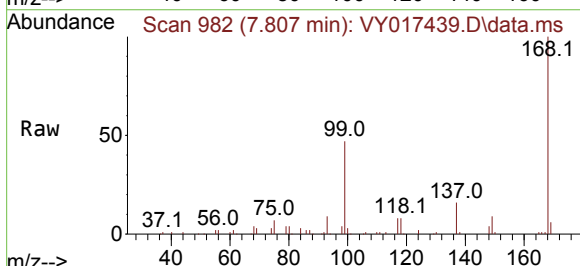
Tgt Ion: 75 Resp: 5045

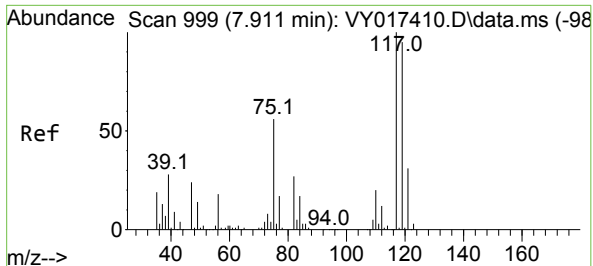
Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

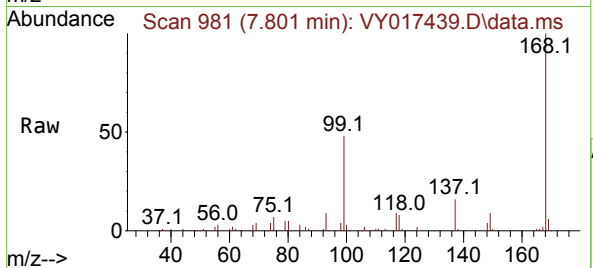
77 0.0 25.3 37.9#



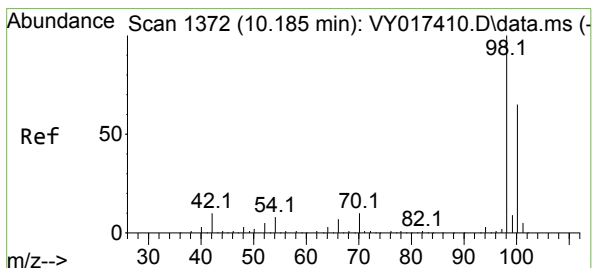
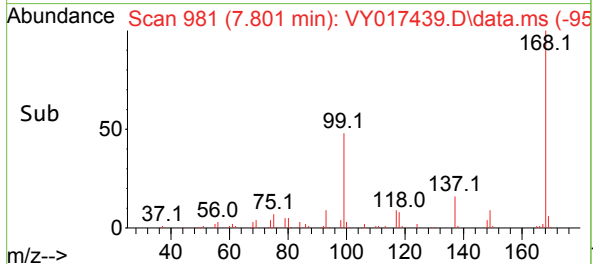
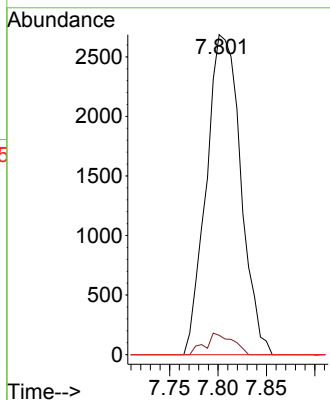


#38
Carbon Tetrachloride
Concen: 5.267 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Instrument :
MSVOA_Y
ClientSampleId :
6

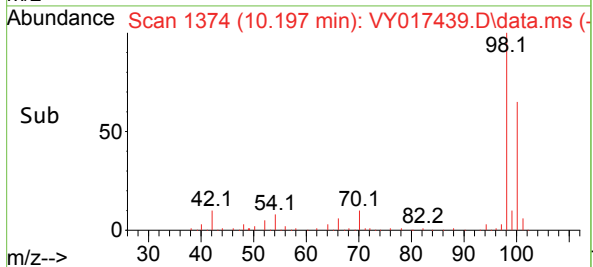
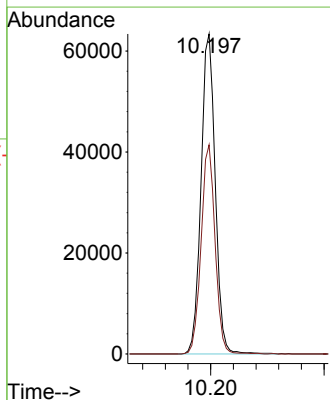
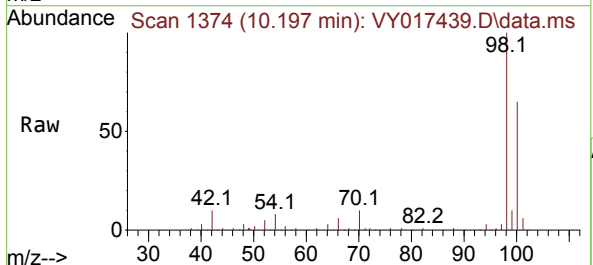


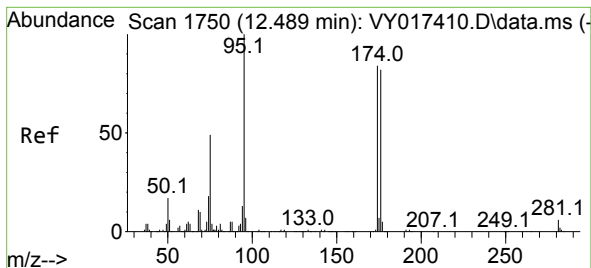
Tgt Ion:117 Resp: 6658
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.309 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Tgt Ion: 98 Resp: 110003
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

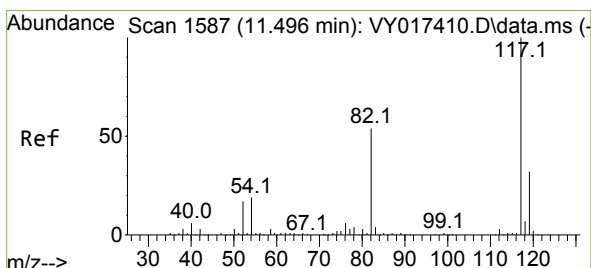
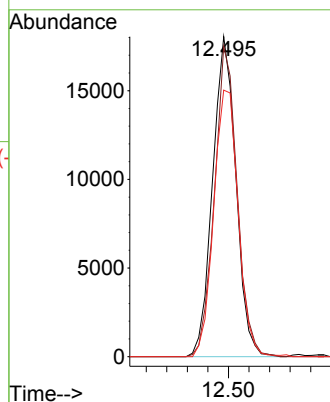
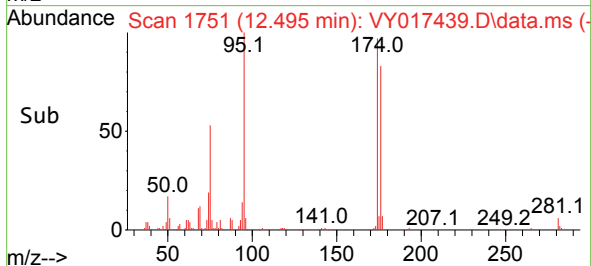
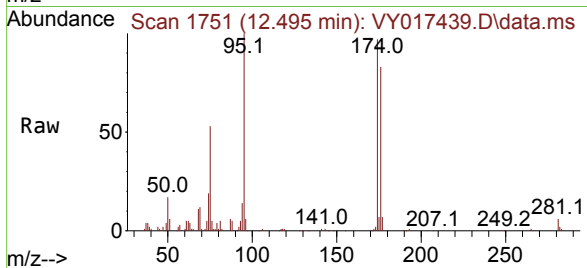




#62
4-Bromofluorobenzene
Concen: 29.526 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

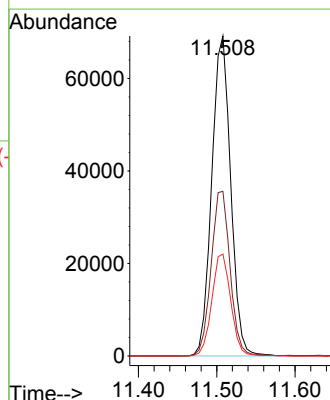
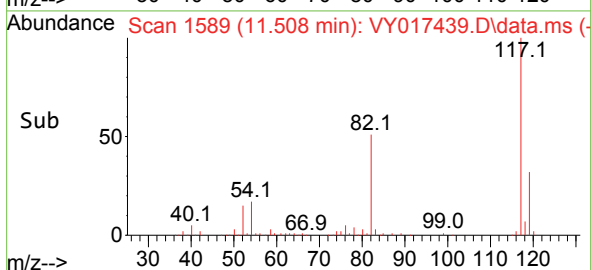
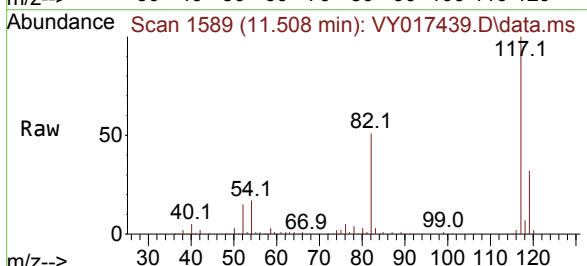
Instrument :
MSVOA_Y
ClientSampleId :
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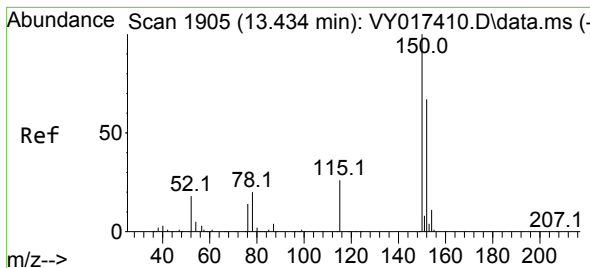
Tgt Ion:	95	Resp:	28314
Ion Ratio	Lower	Upper	
95	100		
174	94.5	0.0	175.6
176	87.7	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Tgt Ion:	117	Resp:	116158
Ion Ratio	Lower	Upper	
117	100		
82	51.4	42.4	63.6
119	31.9	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017439.D

Acq: 21 Feb 2024 15:42

Instrument :

MSVOA_Y

ClientSampleId :

6

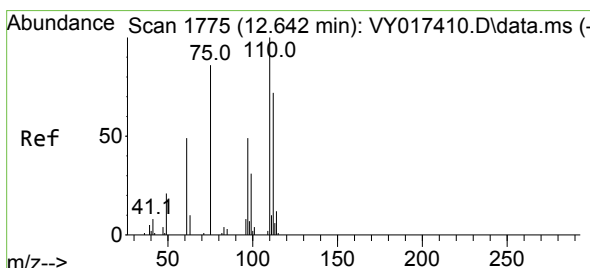
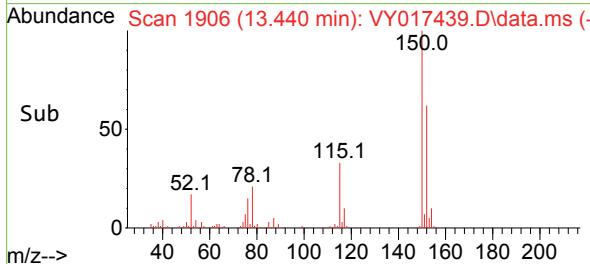
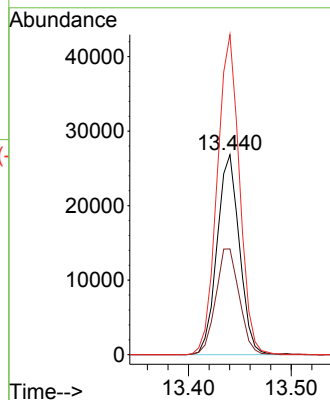
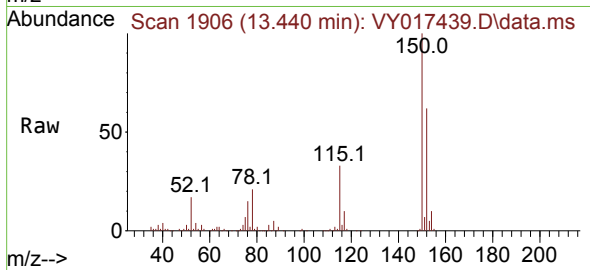
Tgt Ion:152 Resp: 40570

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.7

150 159.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 37.647 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017439.D

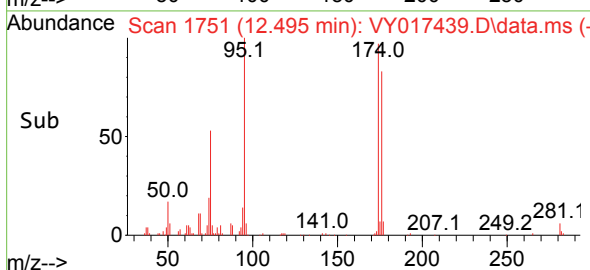
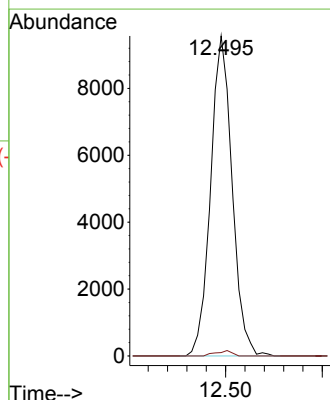
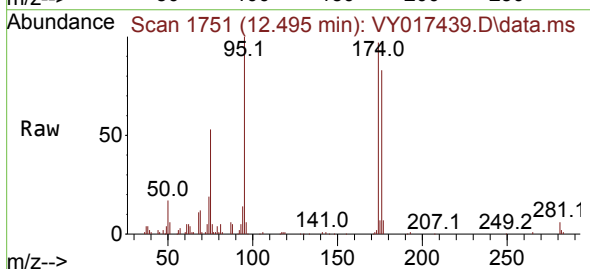
Acq: 21 Feb 2024 15:42

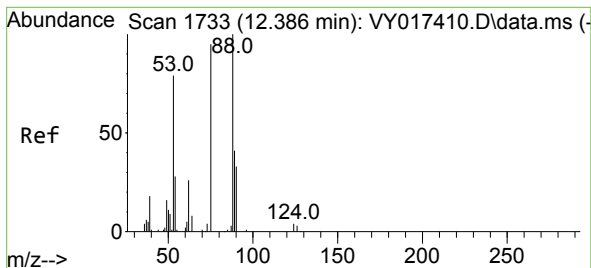
Tgt Ion: 75 Resp: 14809

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

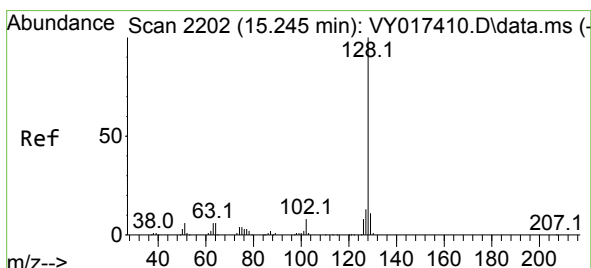
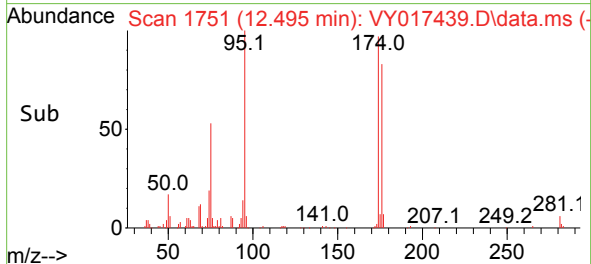
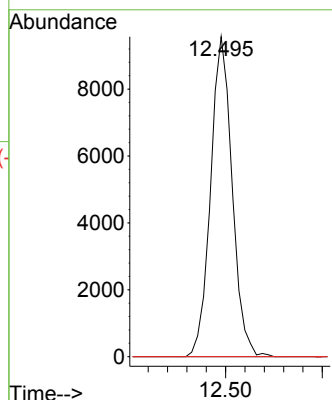
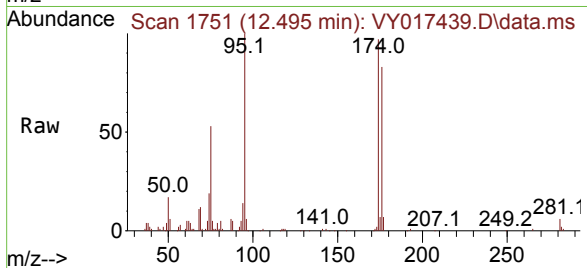




#81
trans-1,4-Dichloro-2-butene
Concen: 87.776 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Instrument :
MSVOA_Y
ClientSampleId :
6

Tgt Ion: 75 Resp: 14809
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.770 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017439.D
Acq: 21 Feb 2024 15:42

Tgt Ion: 128 Resp: 301
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

