

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017444.D
 Acq On : 21 Feb 2024 17:39
 Operator : SY/MD
 Sample : P1537-11
 Misc : 4.44g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11

Quant Time: Feb 22 03:41:03 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)

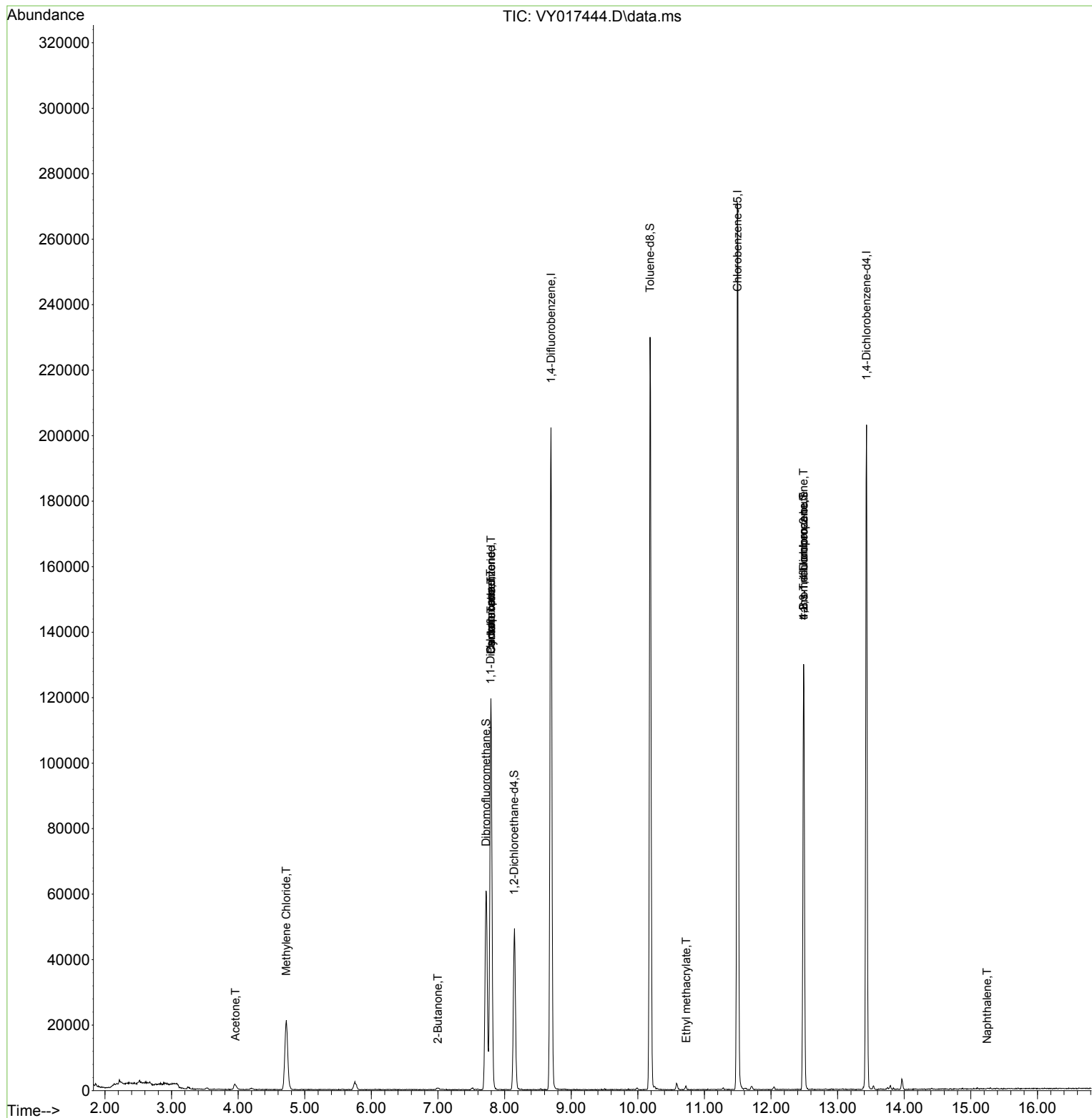
Internal Standards						
1) Pentafluorobenzene	7.795	168	98825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	183792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	158921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	54912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	37590	44.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.040%
35) Dibromofluoromethane	7.722	113	44576	41.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.860%
50) Toluene-d8	10.185	98	155810	37.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.680%
62) 4-Bromofluorobenzene	12.489	95	39037	28.810	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.620%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	157	Below Cal	#	25
16) Acetone	3.960	43	3113	17.026	ug/l	94
20) Methylene Chloride	4.722	84	17174	10.498	ug/l	96
25) 2-Butanone	6.996	43	1039	4.048	ug/l #	86
31) Cyclohexane	7.795	56	1818	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6970	3.879	ug/l #	48
38) Carbon Tetrachloride	7.795	117	8965	5.011	ug/l #	16
56) Ethyl methacrylate	10.727	69	22	3.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	20007	37.577	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	20007	87.613	ug/l #	16
95) Naphthalene	15.245	128	309	3.714	ug/l #	69

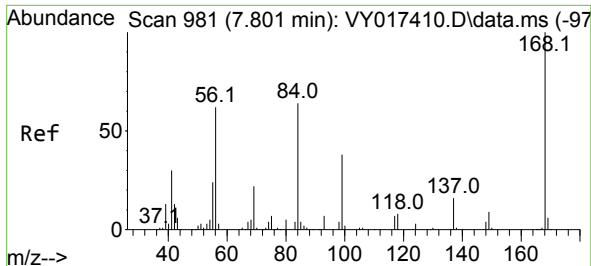
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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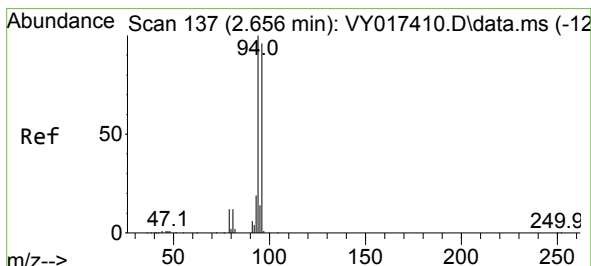
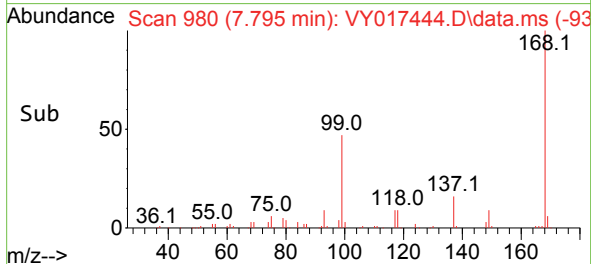
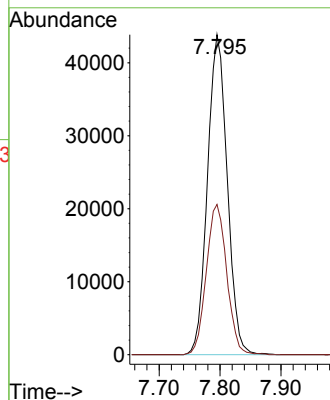
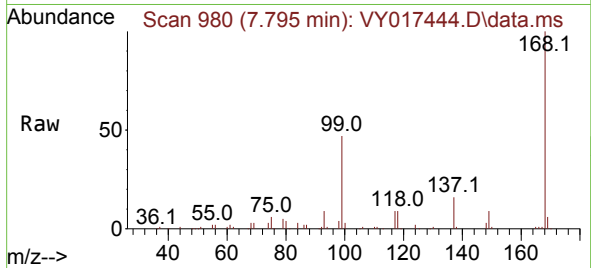




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

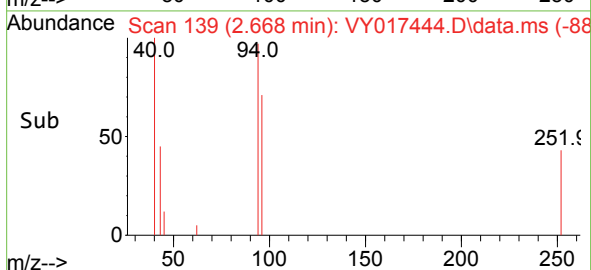
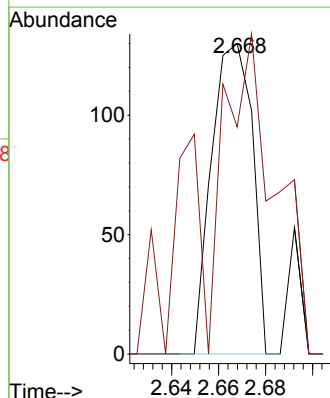
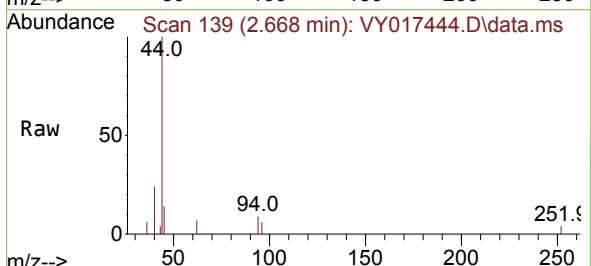
Instrument :
MSVOA_Y
ClientSampleId :
11

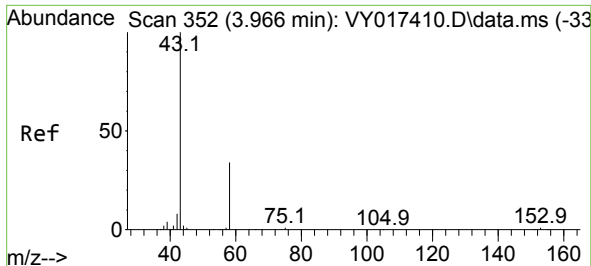
Tgt Ion:168 Resp: 98825
Ion Ratio Lower Upper
168 100
99 47.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 20.8 74.1 111.1#





#16

Acetone

Concen: 17.026 ug/l

RT: 3.960 min Scan# 3113

Delta R.T. -0.006 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

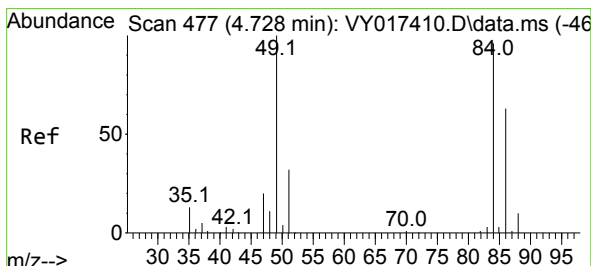
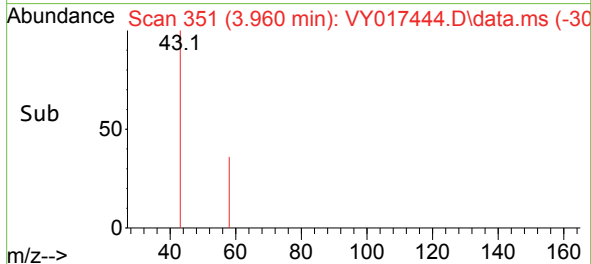
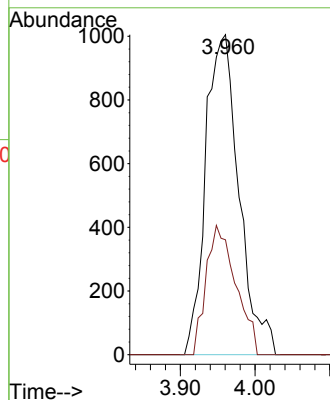
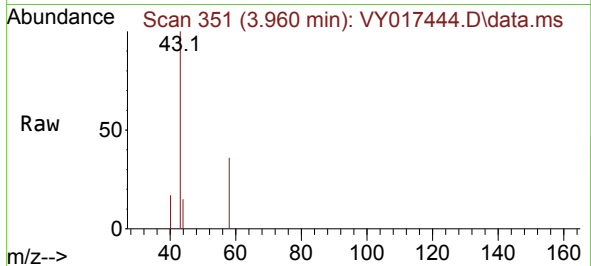
11

Tgt Ion: 43 Resp: 3113

Ion Ratio Lower Upper

43 100

58 35.9 31.7 47.5



#20

Methylene Chloride

Concen: 10.498 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Tgt Ion: 84 Resp: 17174

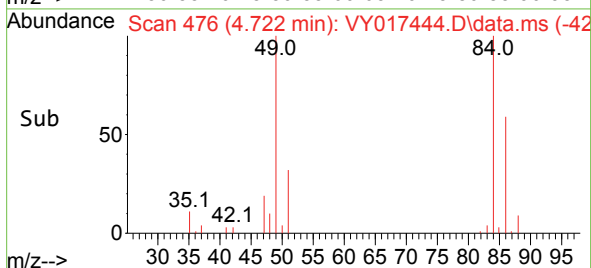
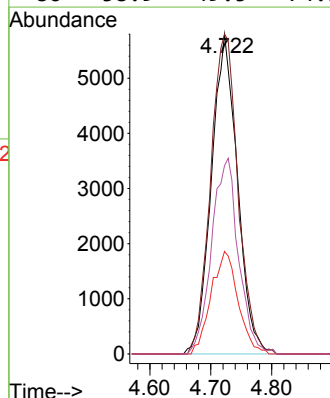
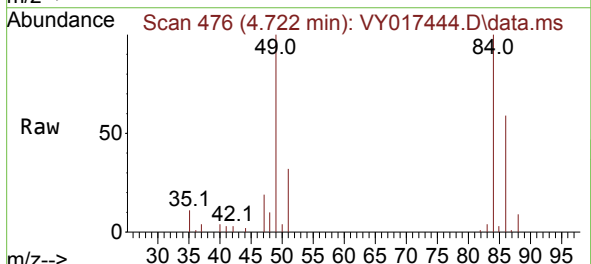
Ion Ratio Lower Upper

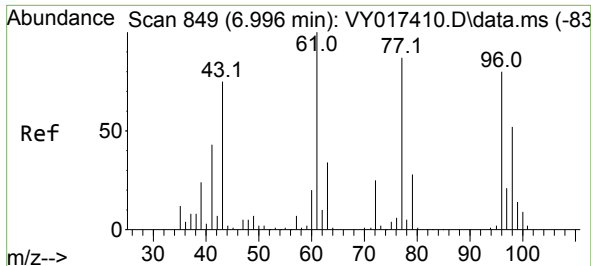
84 100

49 100.1 84.4 126.6

51 32.1 26.0 39.0

86 58.9 49.5 74.3





#25

2-Butanone

Concen: 4.048 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

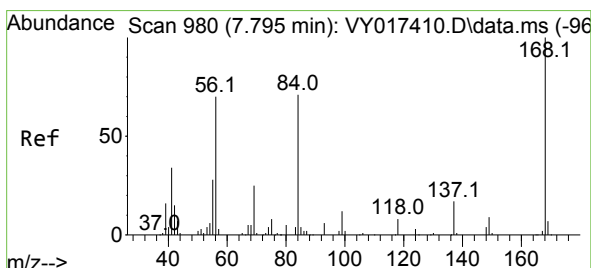
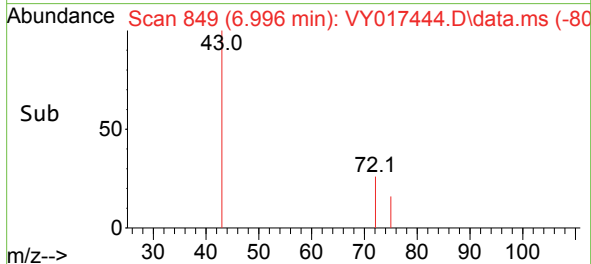
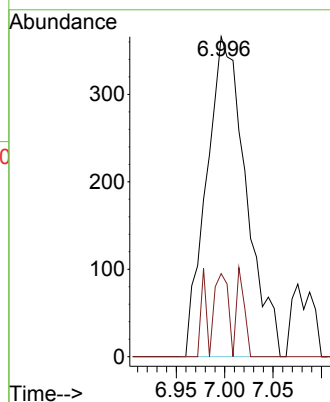
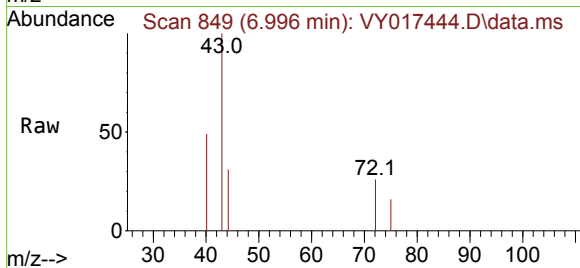
11

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

43 100

72 26.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

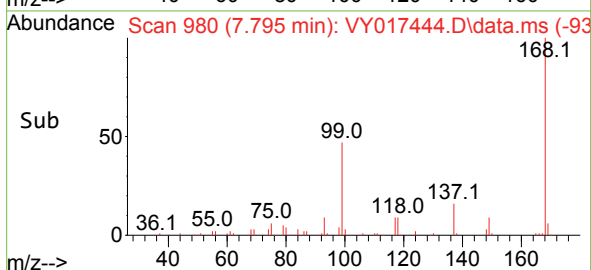
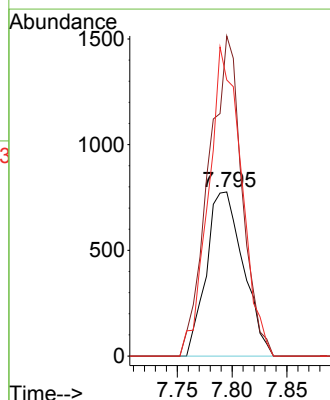
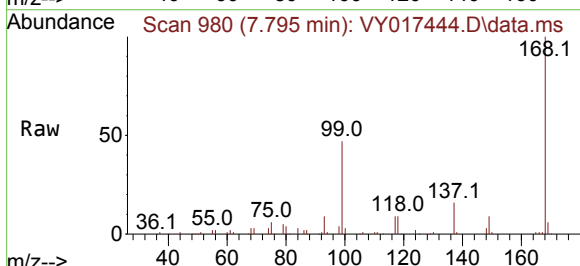
Tgt Ion: 56 Resp: 1818

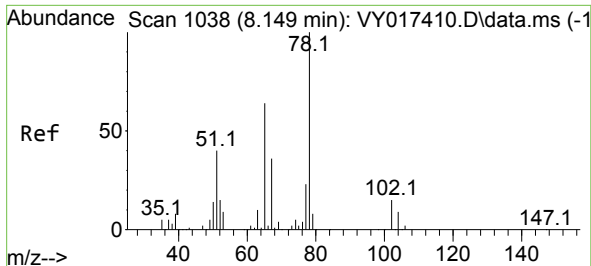
Ion Ratio Lower Upper

56 100

69 195.1 28.7 43.1#

84 168.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 44.525 ug/l

RT: 8.143 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

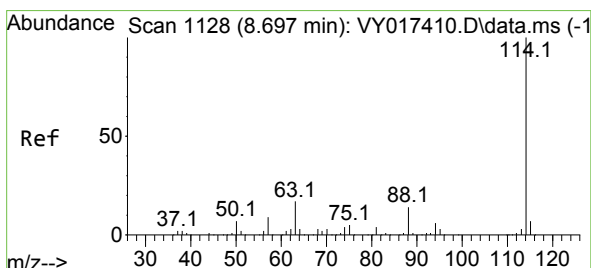
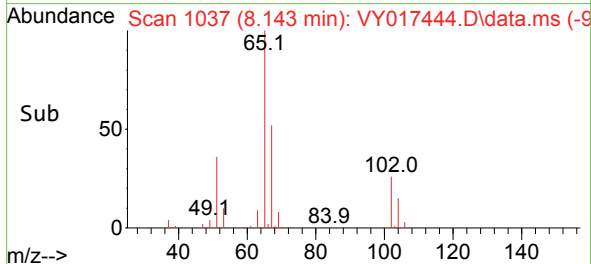
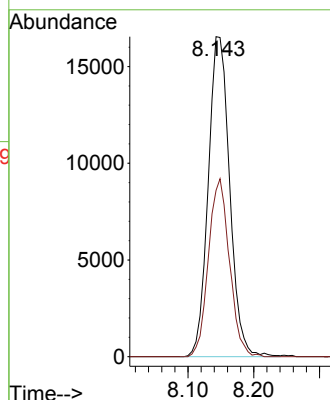
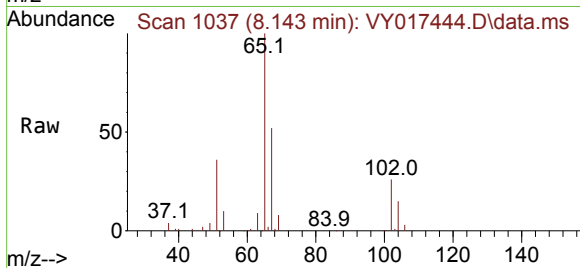
11

Tgt Ion: 65 Resp: 37590

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

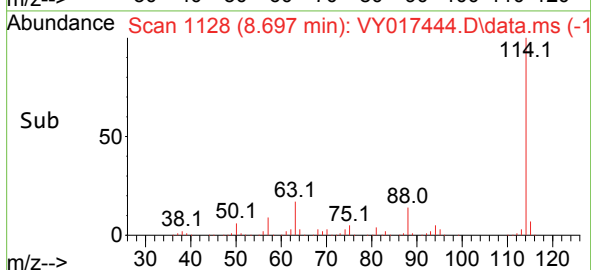
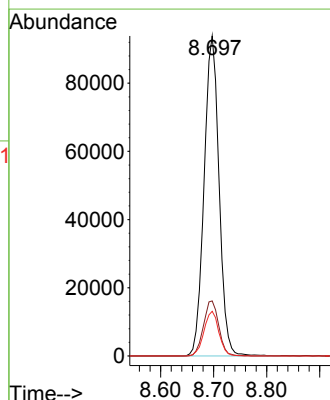
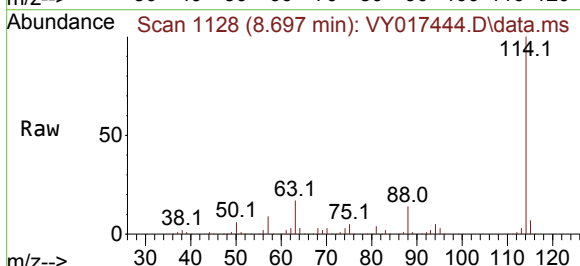
Tgt Ion:114 Resp: 183792

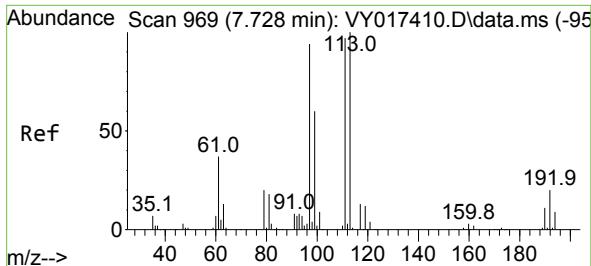
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 13.9 0.0 27.2

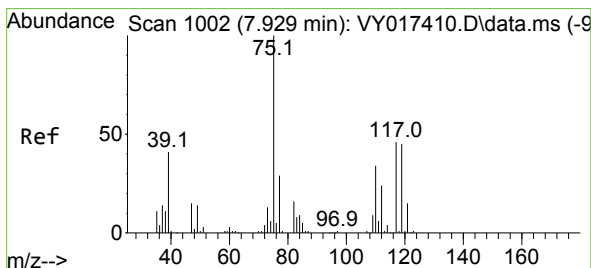
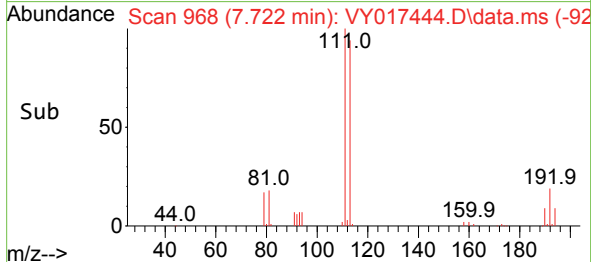
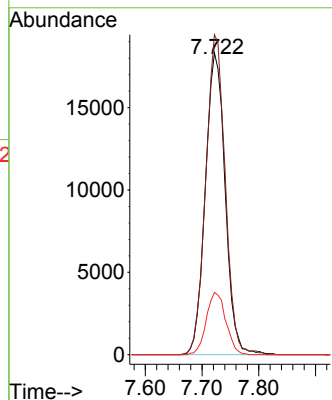
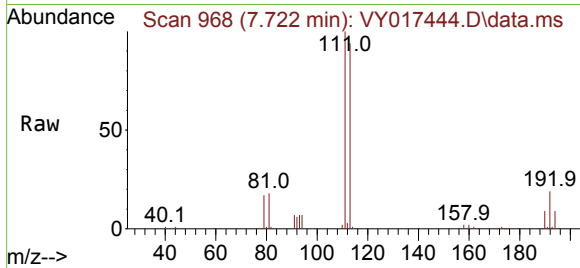




#35
 Dibromofluoromethane
 Concen: 41.433 ug/l
 RT: 7.722 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY017444.D
 Acq: 21 Feb 2024 17:39

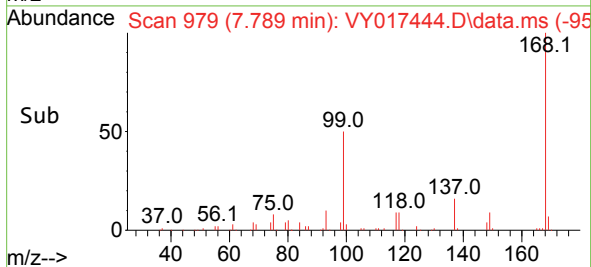
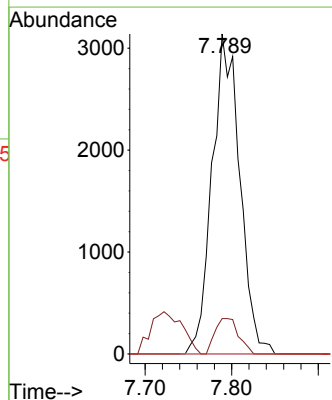
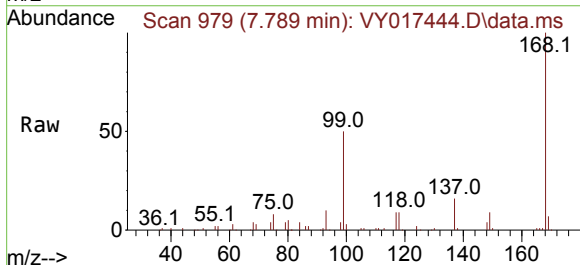
Instrument :
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 ClientSampleId :
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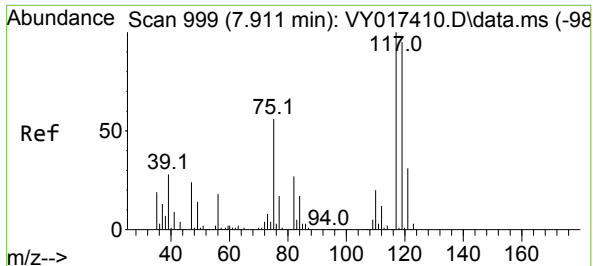
Tgt Ion:113 Resp: 44576
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.2 123.4
 192 20.3 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 3.879 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.140 min
 Lab File: VY017444.D
 Acq: 21 Feb 2024 17:39

Tgt Ion: 75 Resp: 6970
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.0 57.0#
 77 0.0 25.3 37.9#

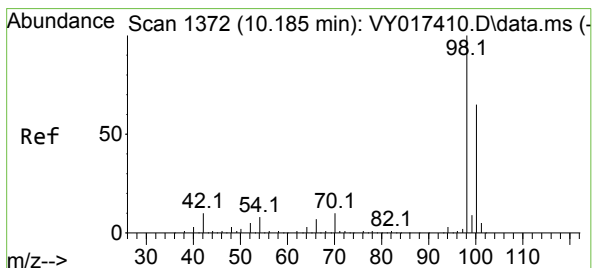
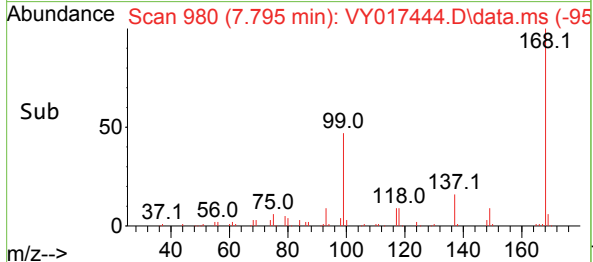
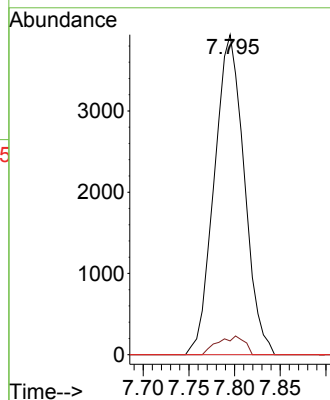
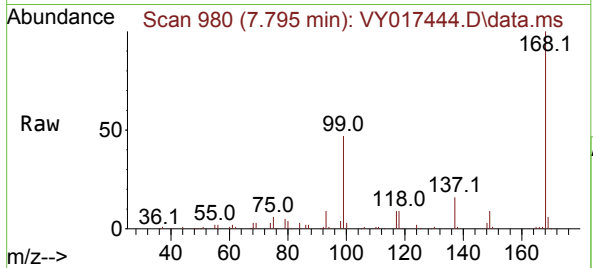




#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

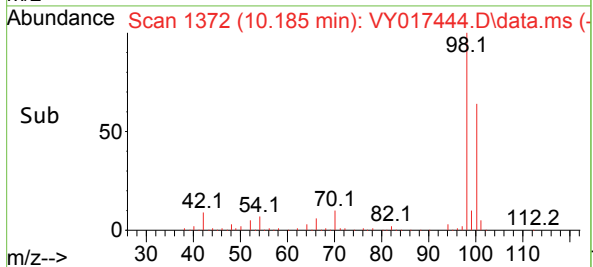
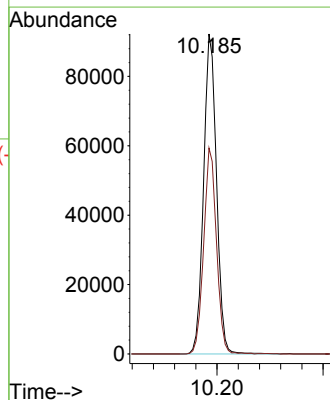
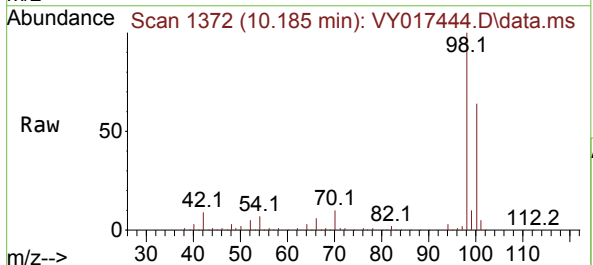
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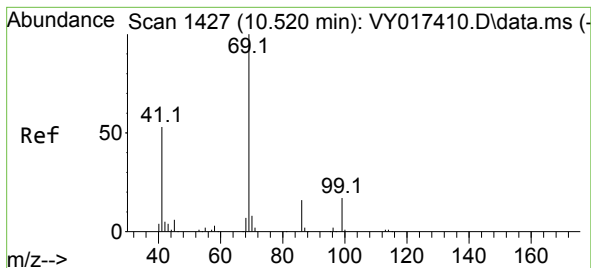
Tgt Ion:117 Resp: 8965
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.342 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

Tgt Ion: 98 Resp: 155810
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0





#56

Ethyl methacrylate

Concen: 3.724 ug/l

RT: 10.727 min Scan# 14

Delta R.T. 0.207 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

11

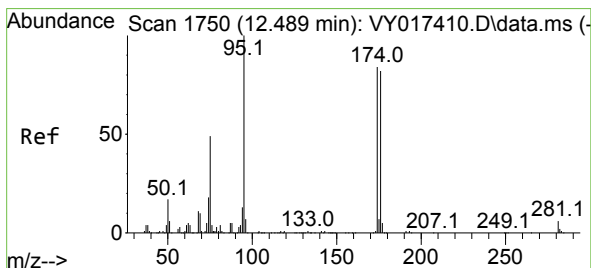
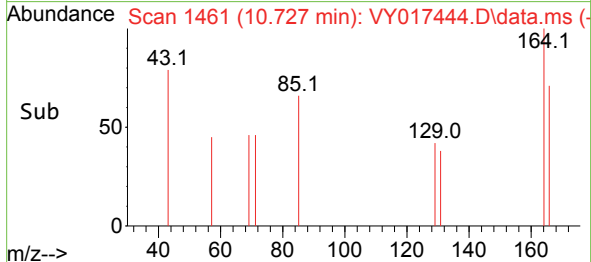
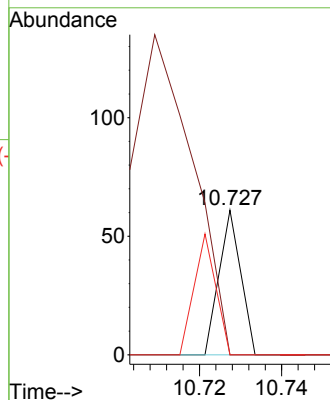
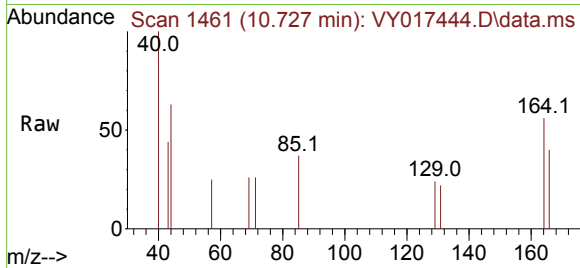
Tgt Ion: 69 Resp: 22

Ion Ratio Lower Upper

69 100

41 627.3 42.3 63.5#

39 86.4 22.9 34.3#



#62

4-Bromofluorobenzene

Concen: 28.810 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

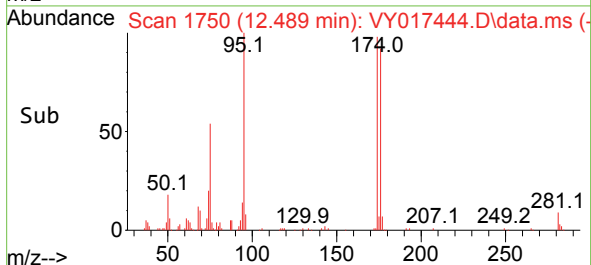
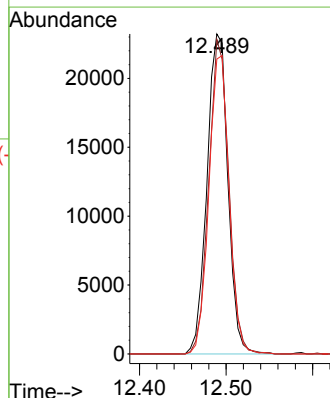
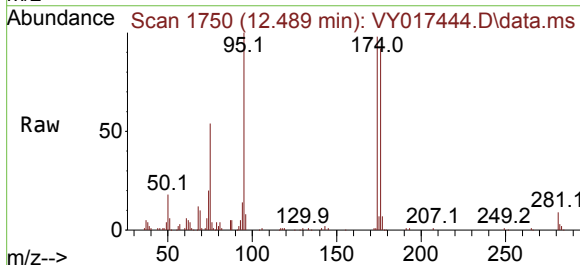
Tgt Ion: 95 Resp: 39037

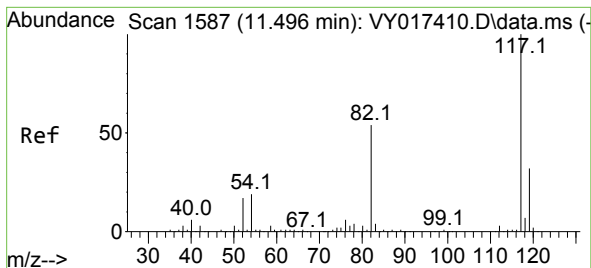
Ion Ratio Lower Upper

95 100

174 93.9 0.0 175.6

176 90.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017444.D

Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

11

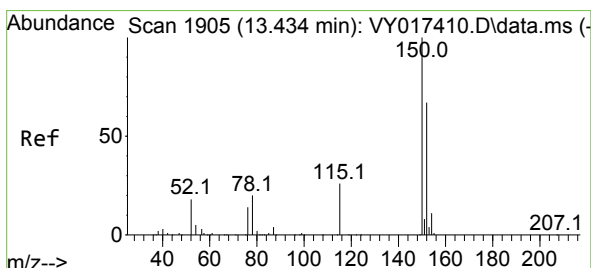
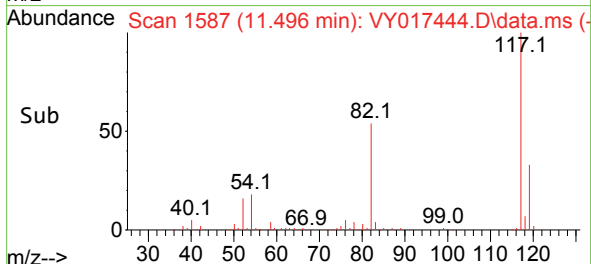
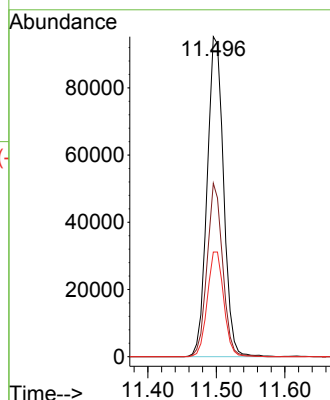
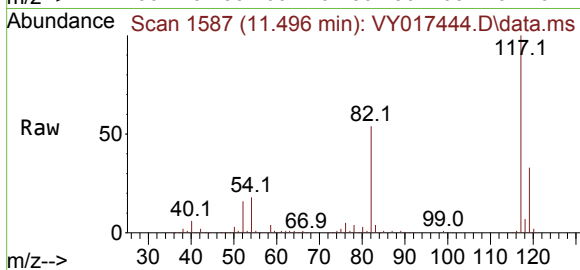
Tgt Ion:117 Resp: 158921

Ion Ratio Lower Upper

117 100

82 54.2 42.4 63.6

119 32.7 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: VY017444.D

Acq: 21 Feb 2024 17:39

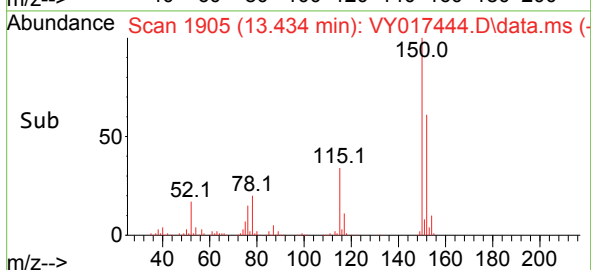
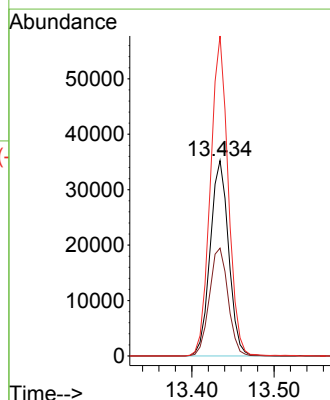
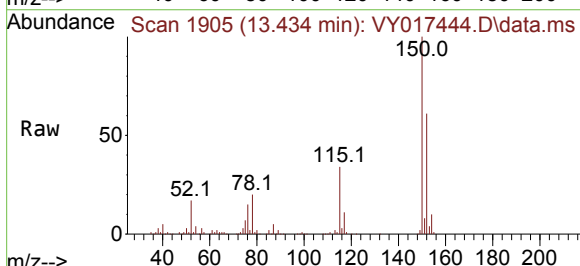
Tgt Ion:152 Resp: 54912

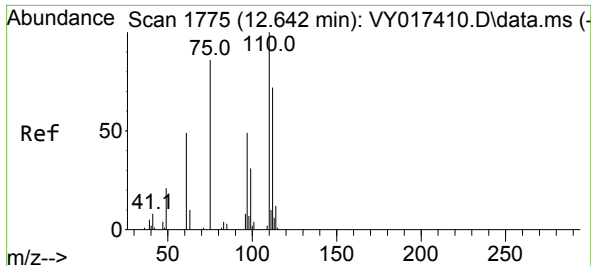
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 158.1 0.0 345.6

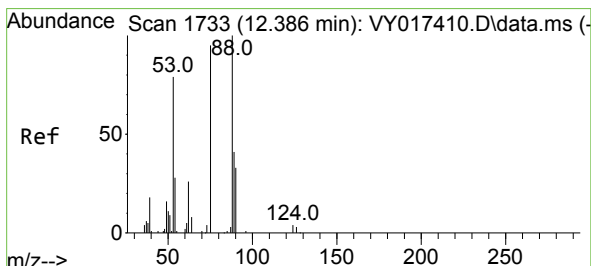
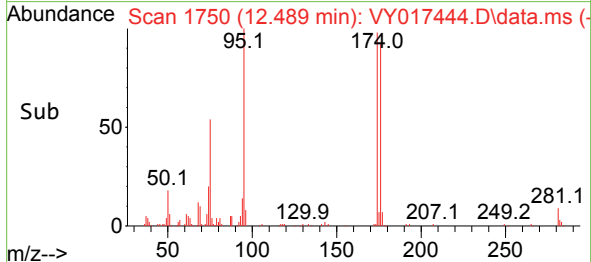
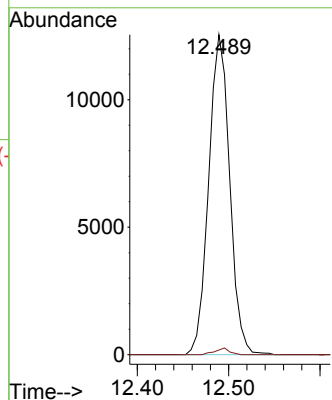
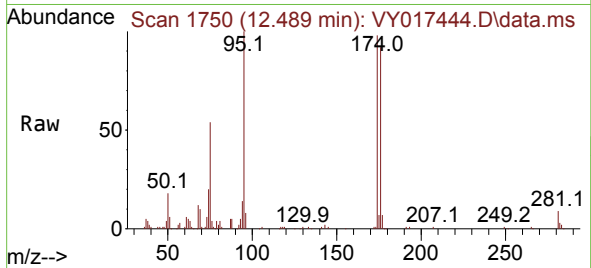




#76
1,2,3-Trichloropropane
Concen: 37.577 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

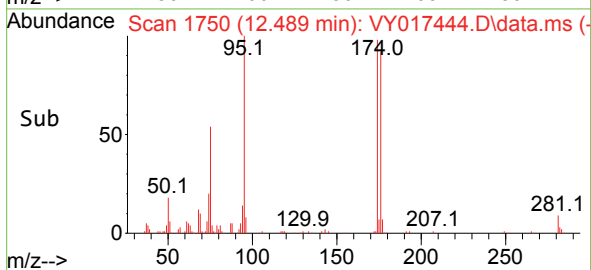
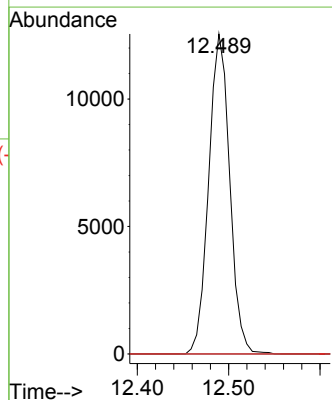
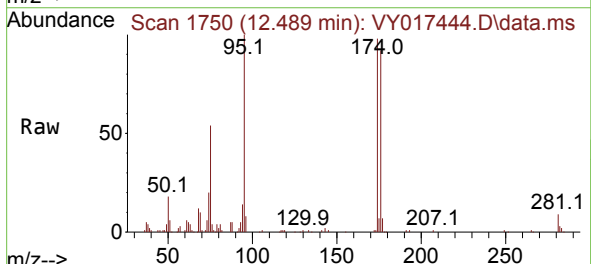
Instrument :
MSVOA_Y
ClientSampleId :
11

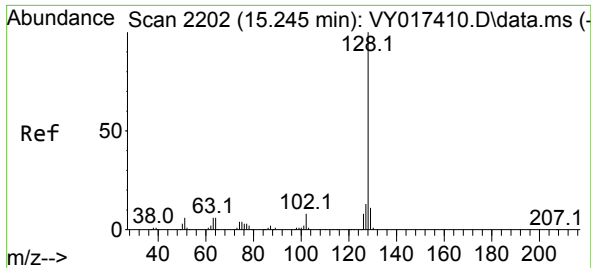
Tgt Ion: 75 Resp: 20007
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.613 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017444.D
Acq: 21 Feb 2024 17:39

Tgt Ion: 75 Resp: 20007
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95

Naphthalene

Concen: 3.714 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017444.D

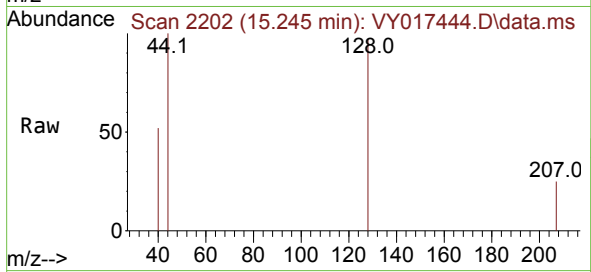
Acq: 21 Feb 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

11



Tgt Ion:128 Resp: 309

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

