

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017430.D
 Acq On : 21 Feb 2024 12:11
 Operator : SY/MD
 Sample : P1544-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ218

Quant Time: Feb 22 03:23:54 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	116809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	219441	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	192406	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	69280	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.161	65	47557	47.658	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.320%
35) Dibromofluoromethane	7.734	113	52973	41.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.480%
50) Toluene-d8	10.197	98	190352	38.209	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.420%
62) 4-Bromofluorobenzene	12.495	95	50416	31.023	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.040%

Target Compounds

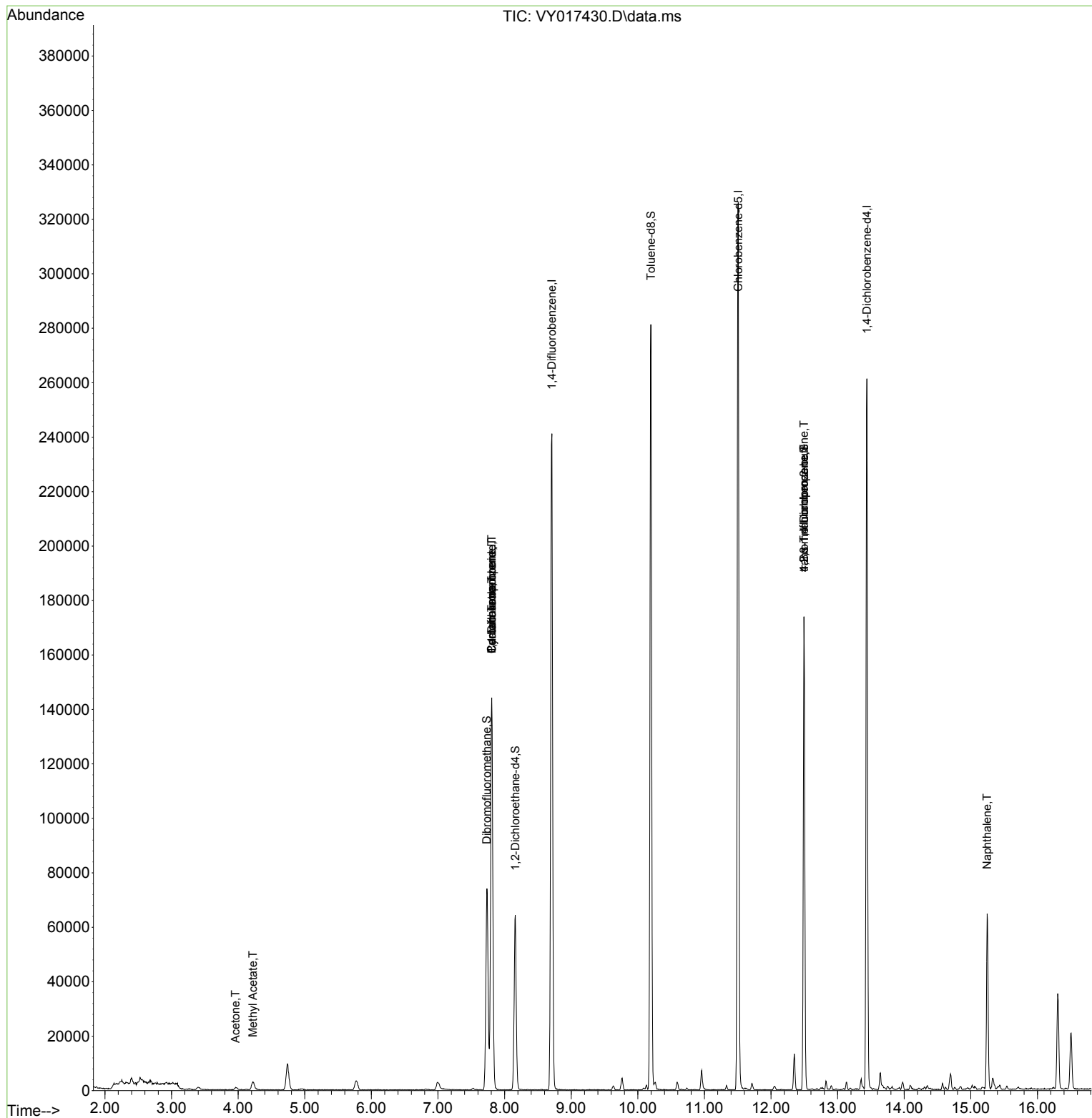
					Qvalue	
5) Bromomethane	2.686	94	614	Below Cal	#	76
16) Acetone	3.960	43	1762	8.153	ug/l	98
18) Methyl Acetate	4.223	43	1217	2.483	ug/l #	46
20) Methylene Chloride	4.747	84	7228	Below Cal		94
31) Cyclohexane	7.807	56	2343	1.186	ug/l #	25
36) 1,1-Dichloropropene	7.807	75	8671	4.042	ug/l #	42
38) Carbon Tetrachloride	7.807	117	10936	5.120	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	26906	40.055	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	26906	93.389	ug/l #	16
95) Naphthalene	15.245	128	54949	28.183	ug/l	100

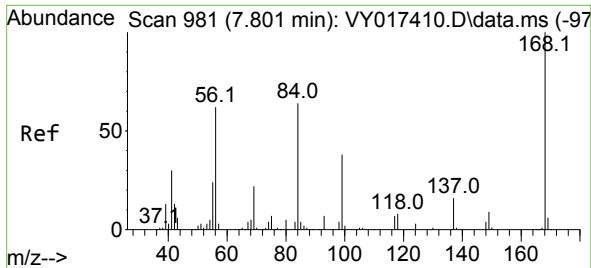
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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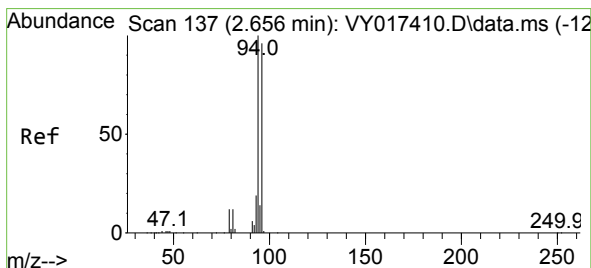
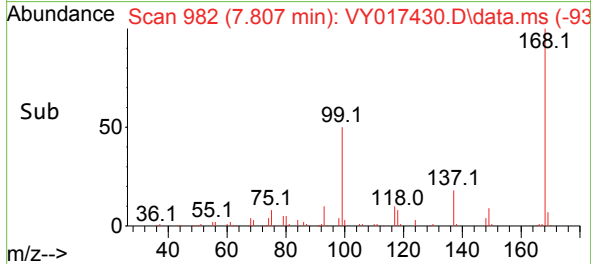
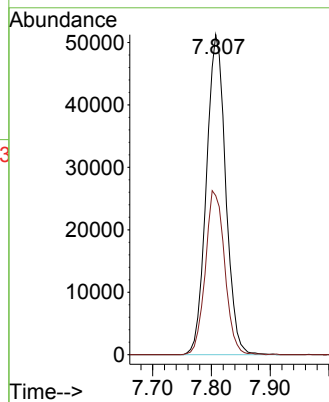
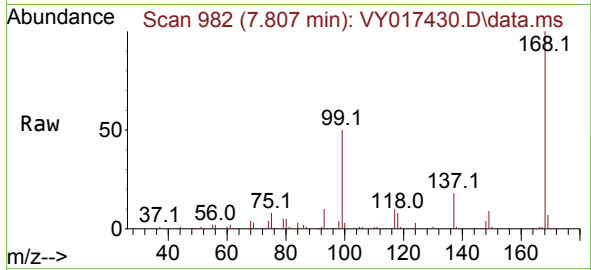




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

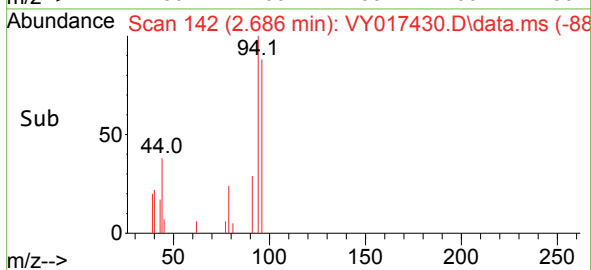
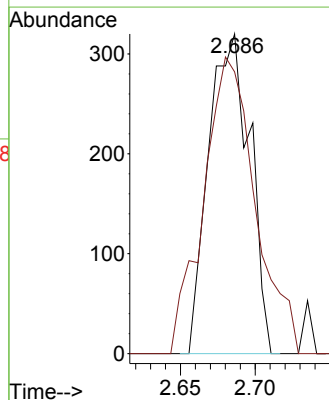
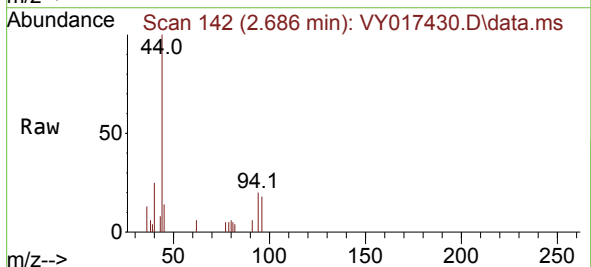
Instrument :
MSVOA_Y
ClientSampleId :
VNJ218

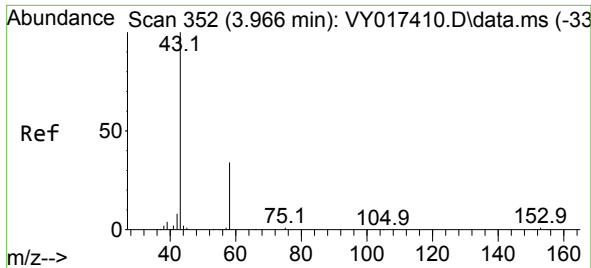
Tgt Ion:168 Resp: 116809
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.686 min Scan# 142
Delta R.T. 0.030 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

Tgt Ion: 94 Resp: 614
Ion Ratio Lower Upper
94 100
96 69.4 74.1 111.1#

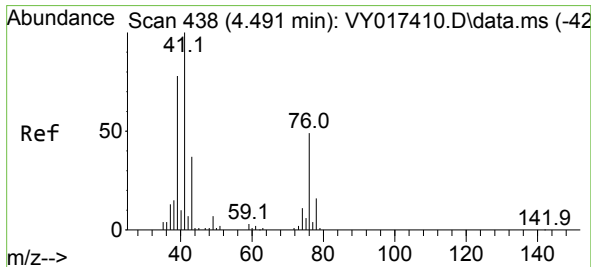
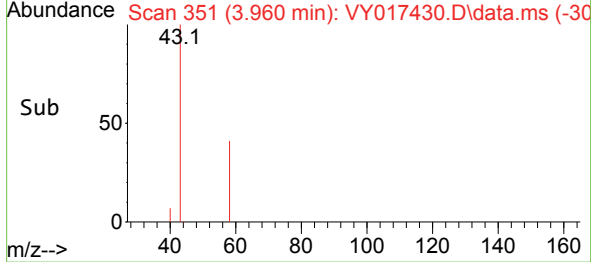
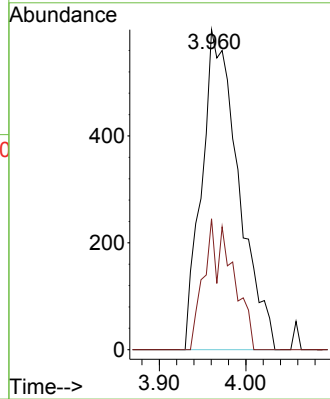
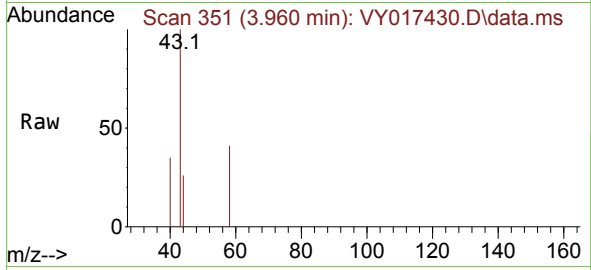




#16
Acetone
Concen: 8.153 ug/l
RT: 3.960 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

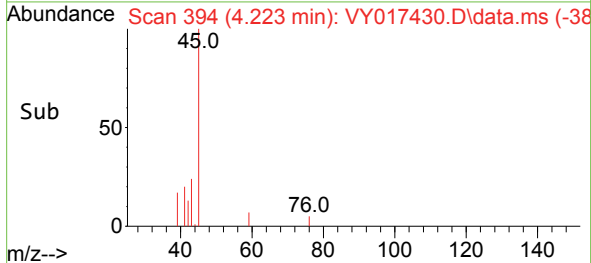
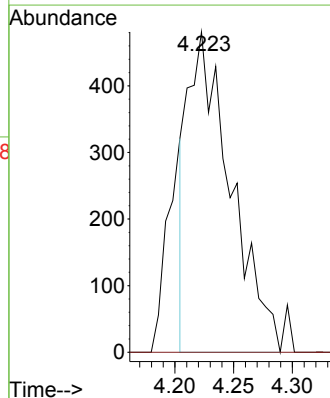
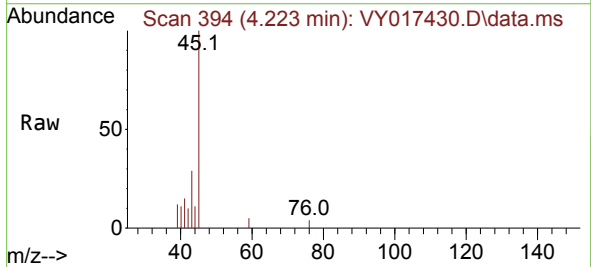
Instrument :
MSVOA_Y
ClientSampleId :
VNJ218

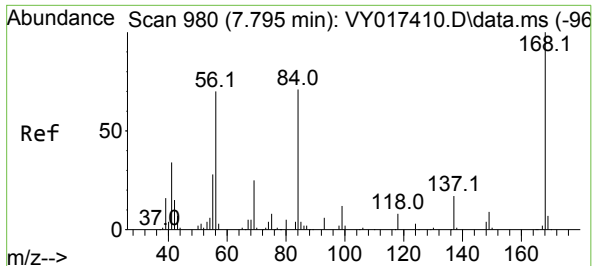
Tgt Ion: 43 Resp: 1762
Ion Ratio Lower Upper
43 100
58 40.9 31.7 47.5



#18
Methyl Acetate
Concen: 2.483 ug/l
RT: 4.223 min Scan# 394
Delta R.T. -0.268 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

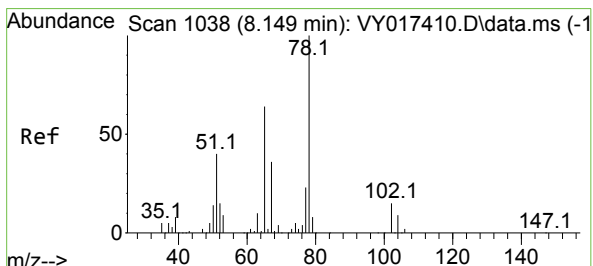
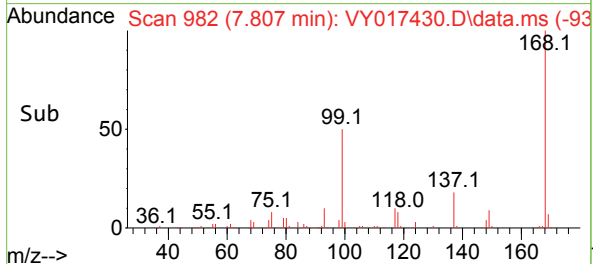
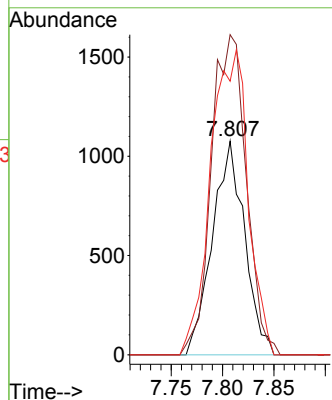
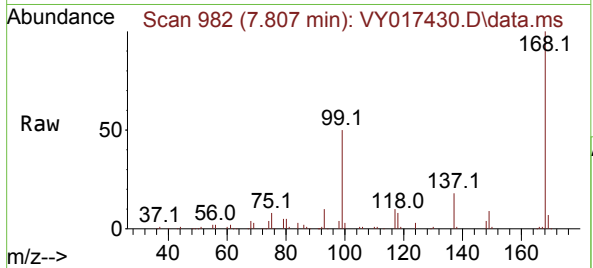




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

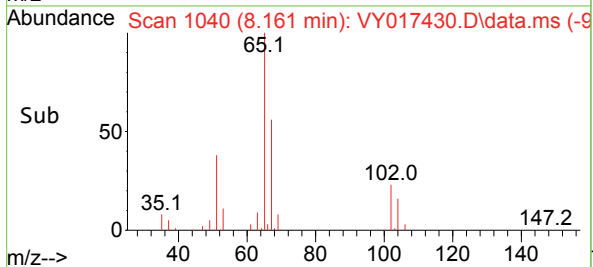
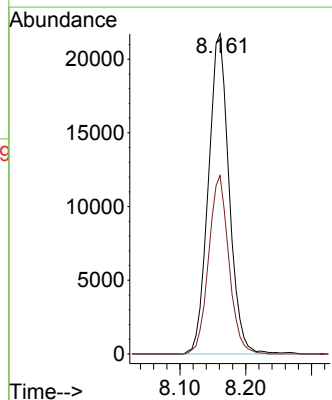
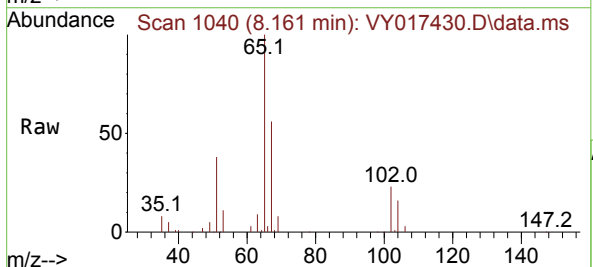
Instrument :
MSVOA_Y
ClientSampleId :
VNJ218

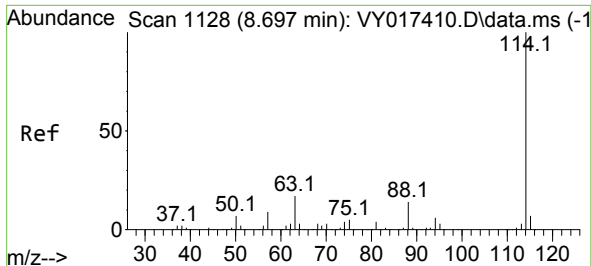
Tgt Ion: 56 Resp: 2343
Ion Ratio Lower Upper
56 100
69 149.9 28.7 43.1#
84 128.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 47.658 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY017430.D
Acq: 21 Feb 2024 12:11

Tgt Ion: 65 Resp: 47557
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ218

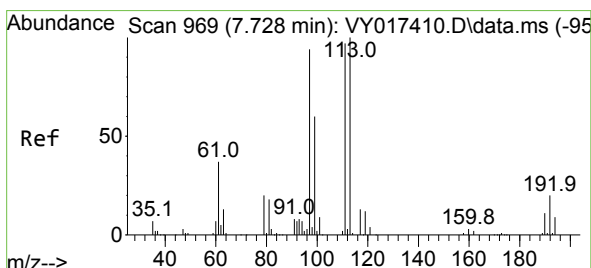
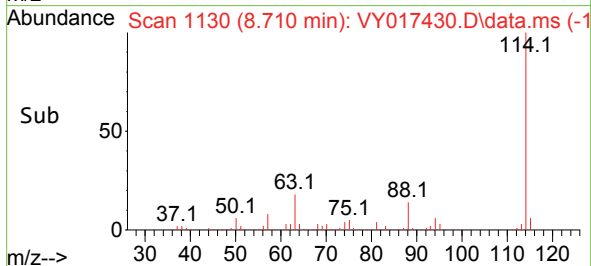
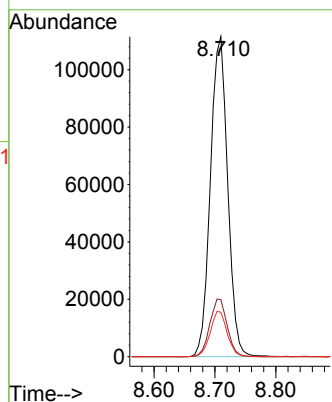
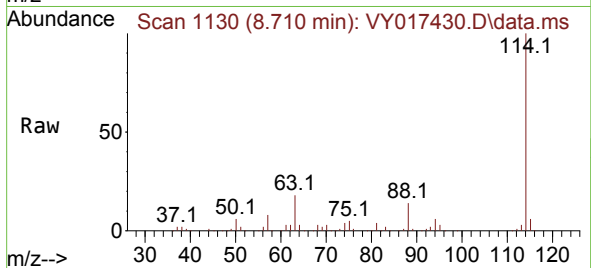
Tgt Ion:114 Resp: 219441

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 41.239 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

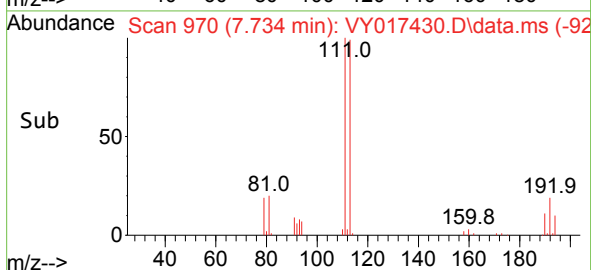
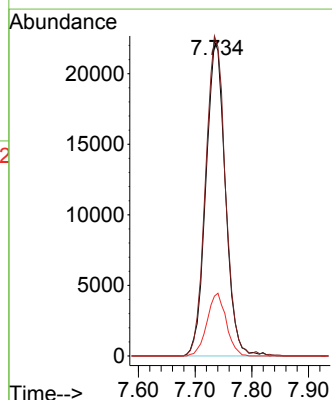
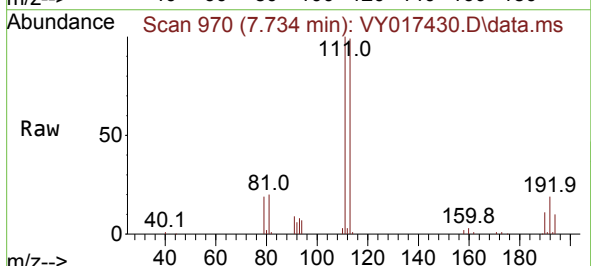
Tgt Ion:113 Resp: 52973

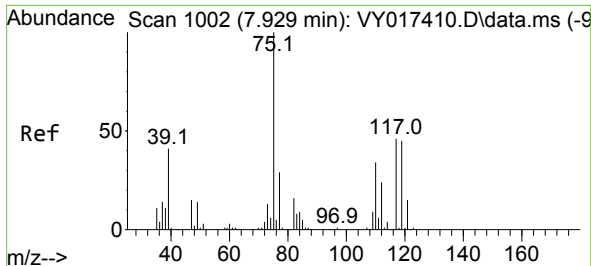
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 19.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.042 ug/l

RT: 7.807 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ218

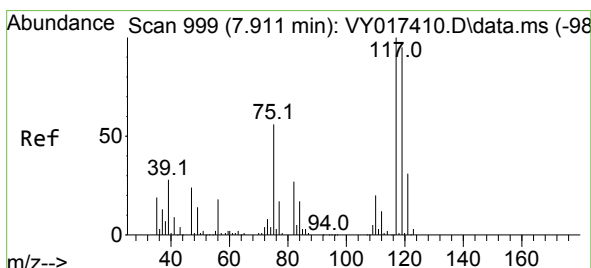
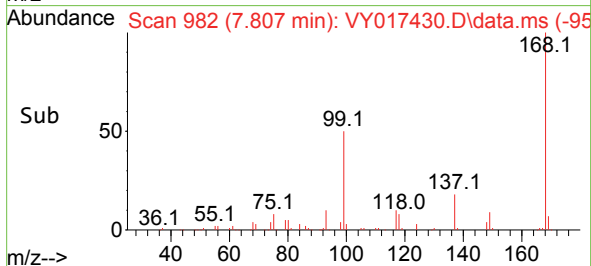
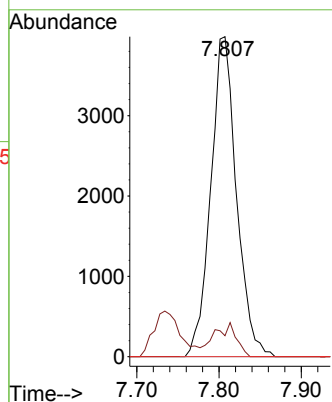
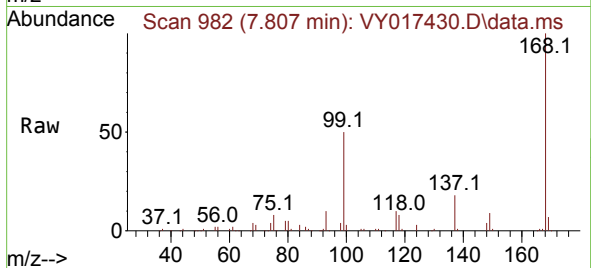
Tgt Ion: 75 Resp: 8671

Ion Ratio Lower Upper

75 100

110 3.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.120 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.104 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

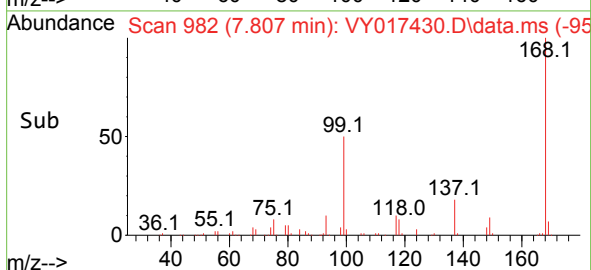
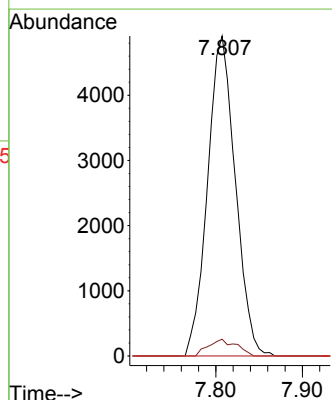
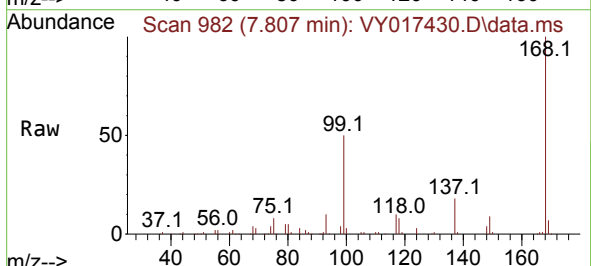
Tgt Ion: 117 Resp: 10936

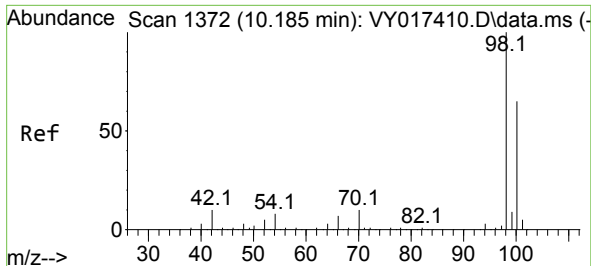
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 38.209 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

Instrument :

MSVOA_Y

ClientSampleId :

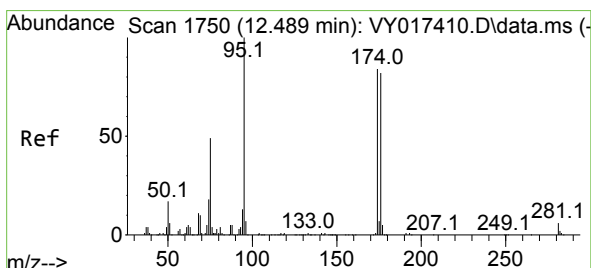
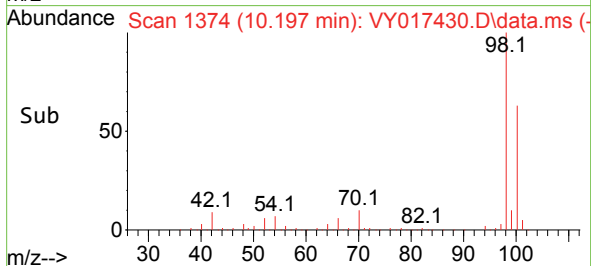
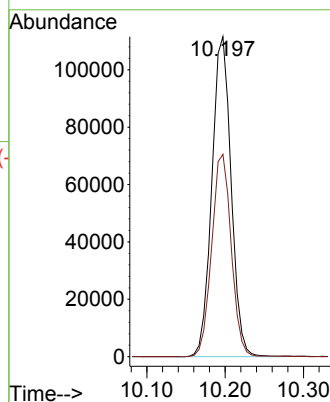
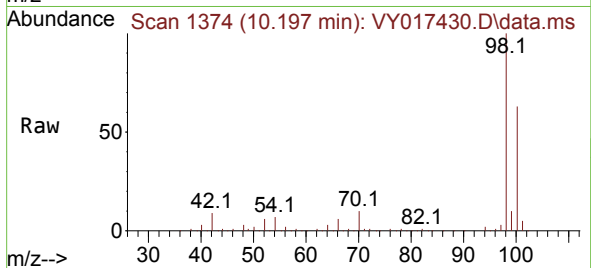
VNJ218

Tgt Ion: 98 Resp: 190352

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 31.023 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

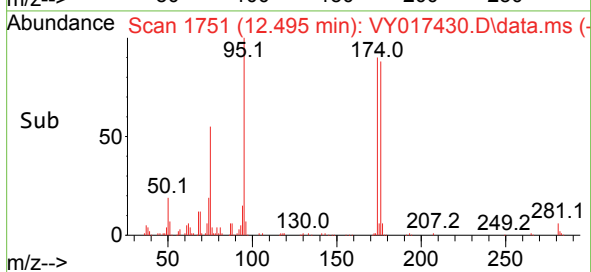
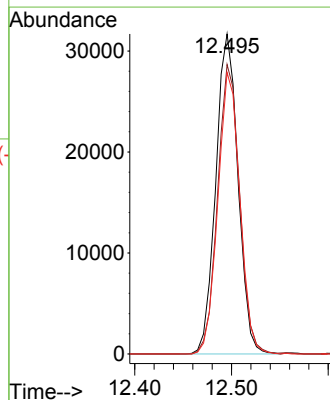
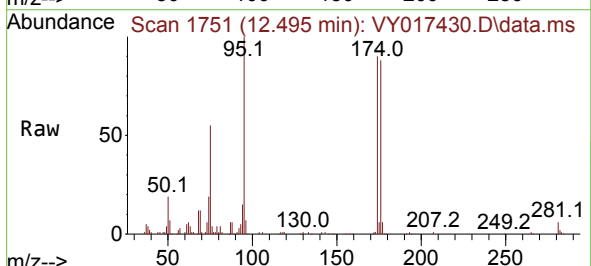
Tgt Ion: 95 Resp: 50416

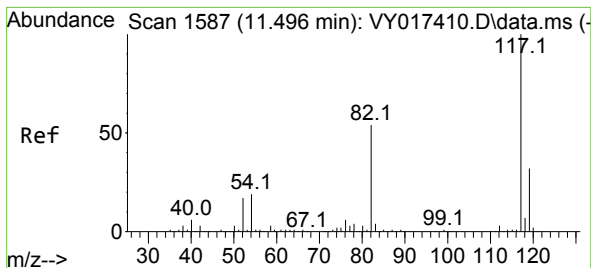
Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.6

176 87.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ218

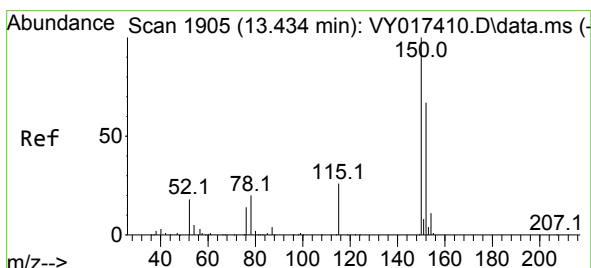
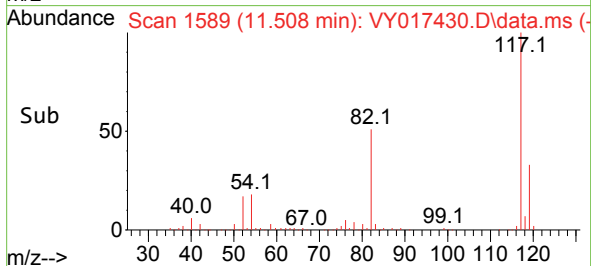
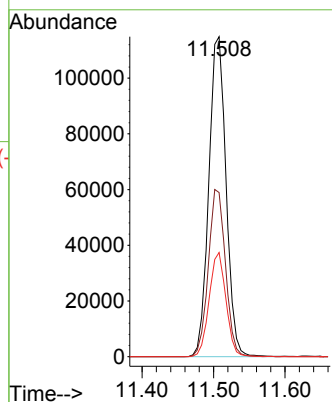
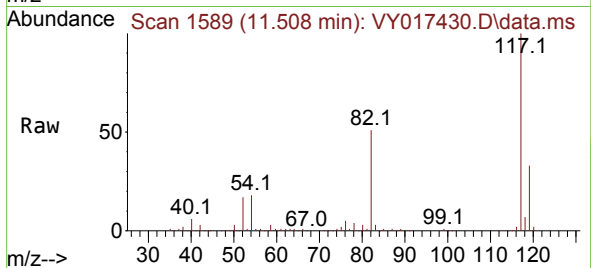
Tgt Ion:117 Resp: 192406

Ion Ratio Lower Upper

117 100

82 51.3 42.4 63.6

119 32.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

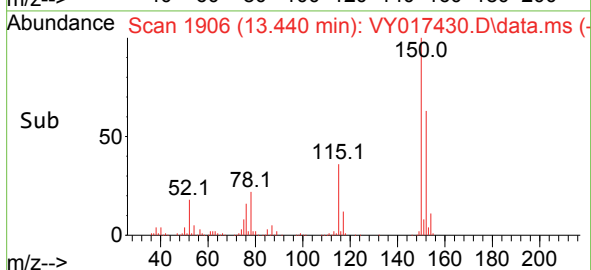
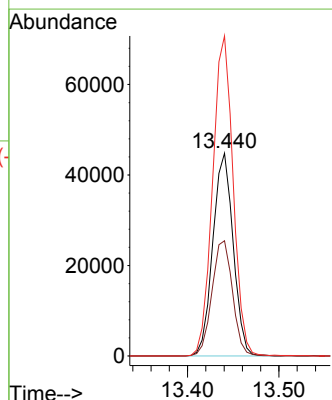
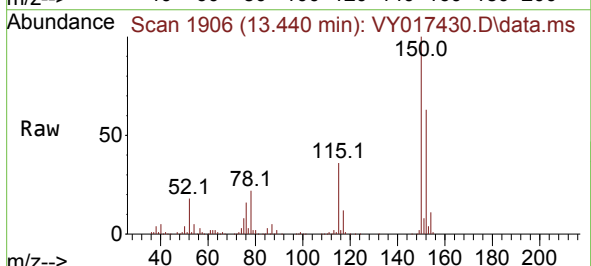
Tgt Ion:152 Resp: 69280

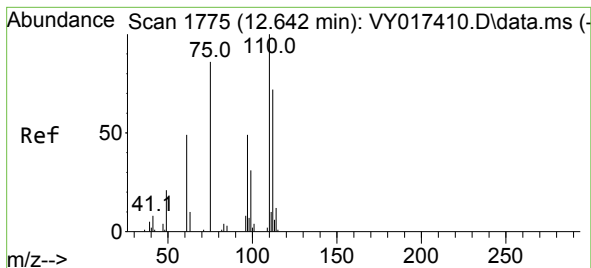
Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 158.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 40.055 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

Instrument :

MSVOA_Y

ClientSampleId :

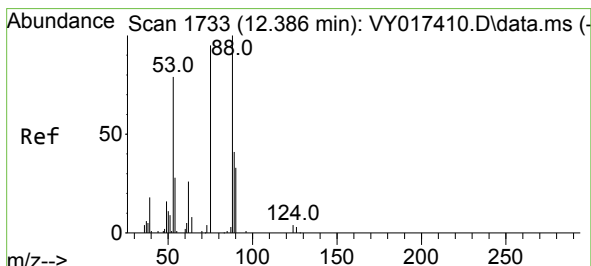
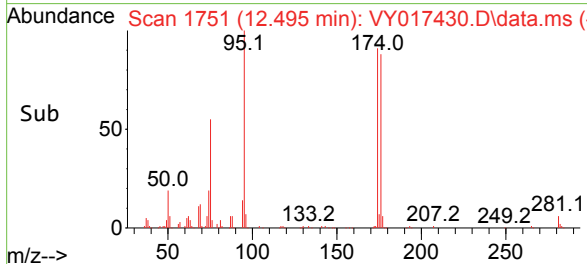
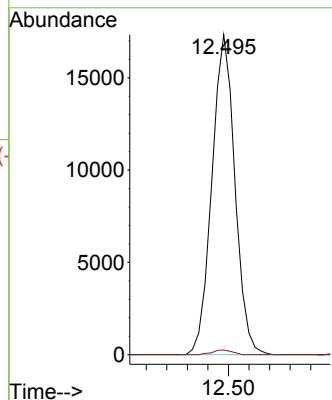
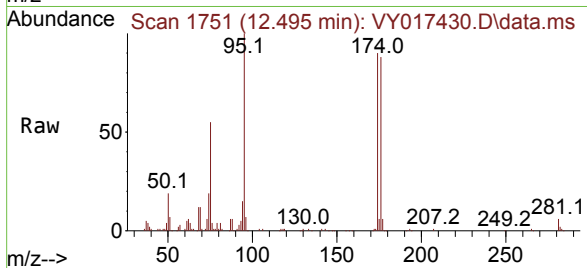
VNJ218

Tgt Ion: 75 Resp: 26906

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.389 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY017430.D

Acq: 21 Feb 2024 12:11

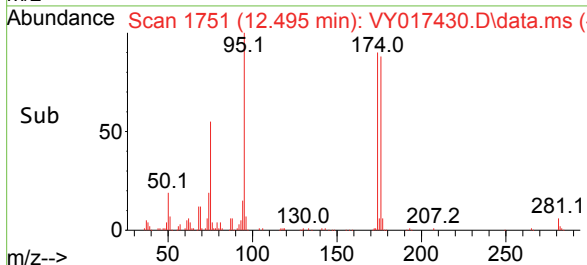
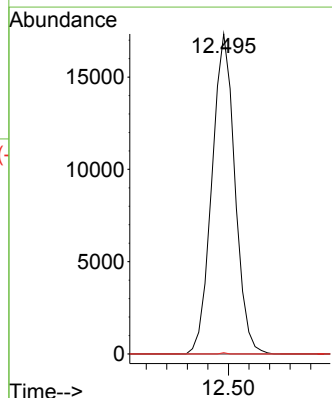
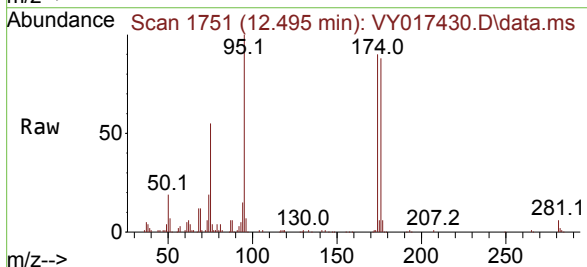
Tgt Ion: 75 Resp: 26906

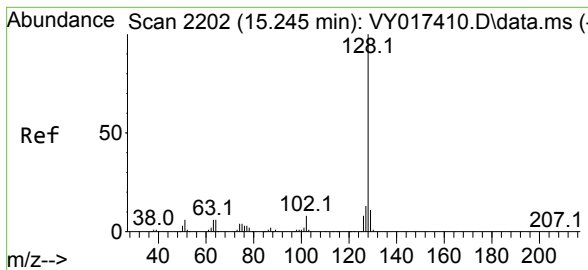
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.1 35.8 53.6#





#95
 Naphthalene
 Concen: 28.183 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017430.D
 Acq: 21 Feb 2024 12:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ218

Tgt Ion:	128	Resp:	54949
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

