

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017445.D
 Acq On : 21 Feb 2024 18:03
 Operator : SY/MD
 Sample : P1537-12
 Misc : 4.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12

Quant Time: Feb 22 03:41:25 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)

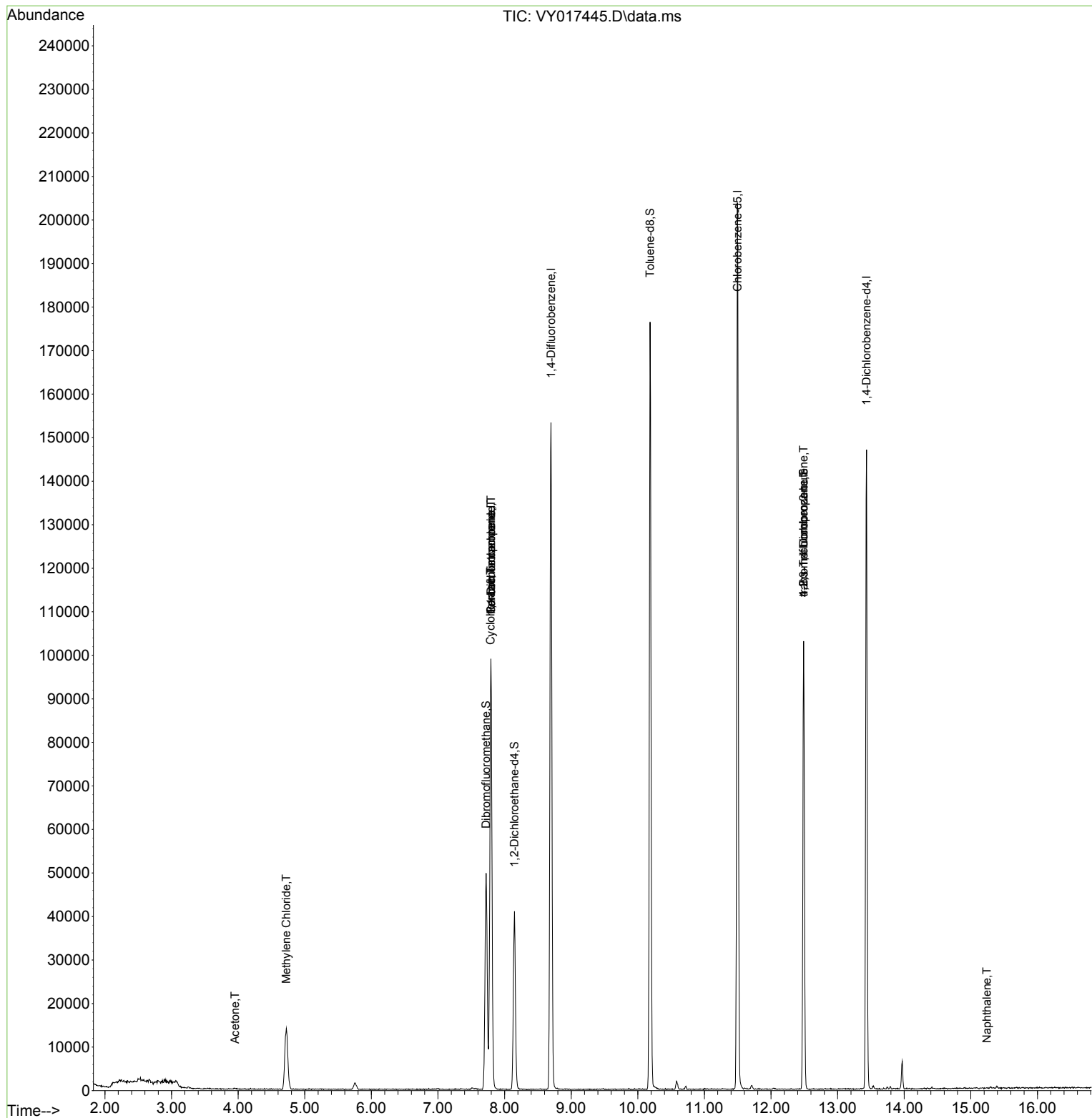
Internal Standards						
1) Pentafluorobenzene	7.795	168	81899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	142529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	120369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	39914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	30521	43.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.240%
35) Dibromofluoromethane	7.722	113	35946	43.085	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.160%
50) Toluene-d8	10.185	98	120337	37.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.380%
62) 4-Bromofluorobenzene	12.489	95	28881	27.565	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	185	Below Cal		83
16) Acetone	3.954	43	249	1.643	ug/l #	36
20) Methylene Chloride	4.722	84	11811	7.538	ug/l	94
31) Cyclohexane	7.789	56	1465	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	5681	4.077	ug/l #	48
38) Carbon Tetrachloride	7.795	117	7383	5.322	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	14295	36.938	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	14295	86.122	ug/l #	16
95) Naphthalene	15.239	128	53	3.581	ug/l #	69

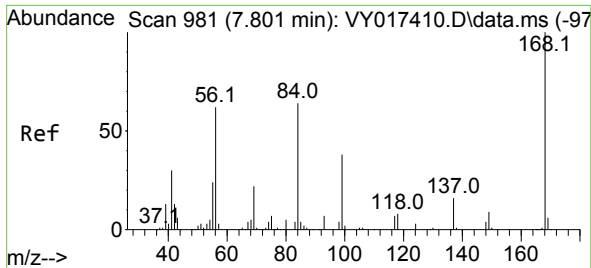
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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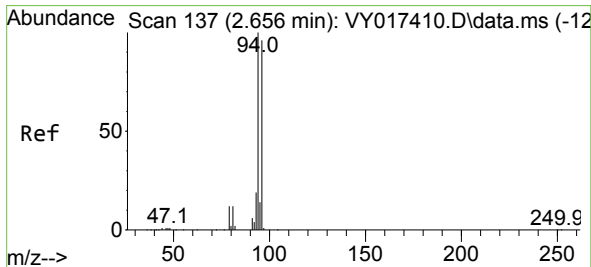
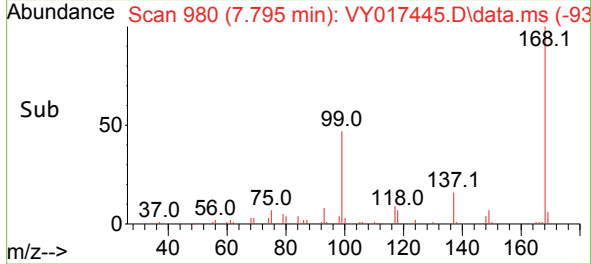
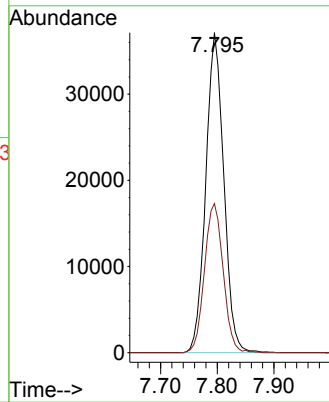
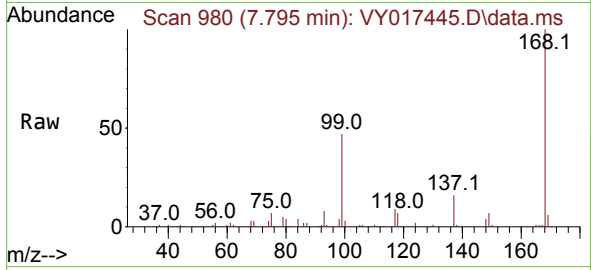




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

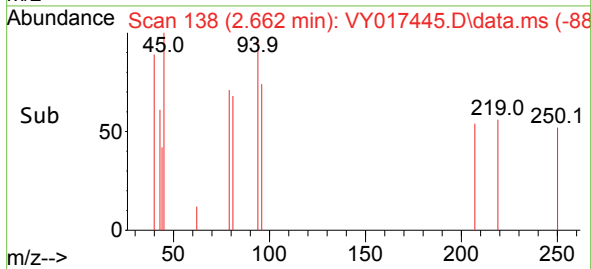
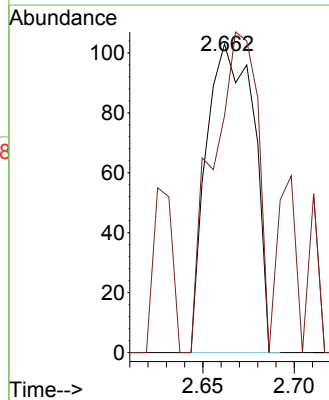
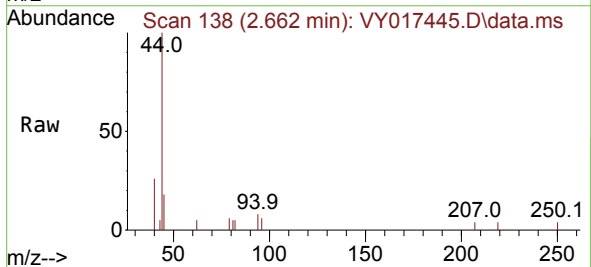
Instrument :
MSVOA_Y
ClientSampleId :
12

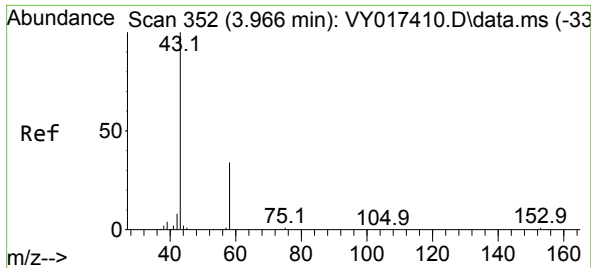
Tgt Ion:168 Resp: 81899
Ion Ratio Lower Upper
168 100
99 46.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 94 Resp: 185
Ion Ratio Lower Upper
94 100
96 76.7 74.1 111.1





#16

Acetone

Concen: 1.643 ug/l

RT: 3.954 min Scan# 312

Delta R.T. -0.012 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

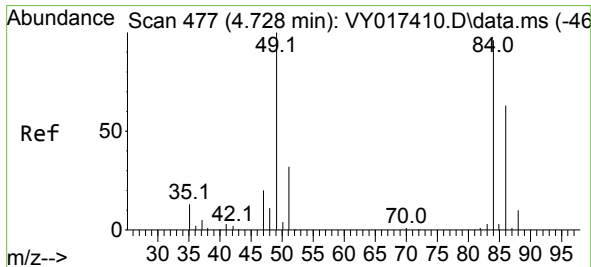
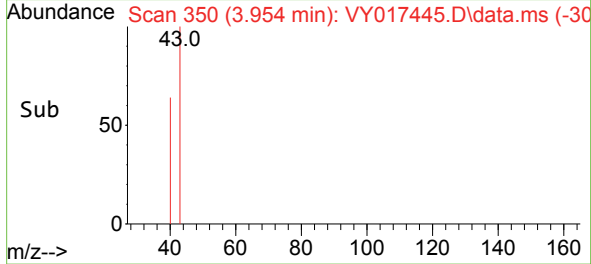
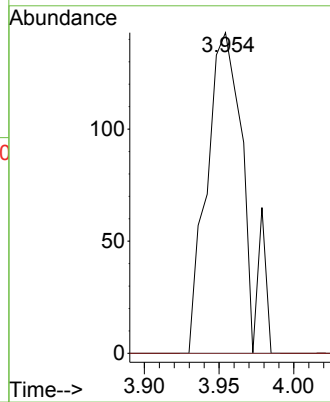
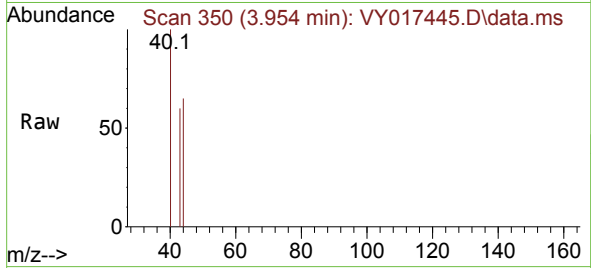
12

Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 7.538 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

Tgt Ion: 84 Resp: 11811

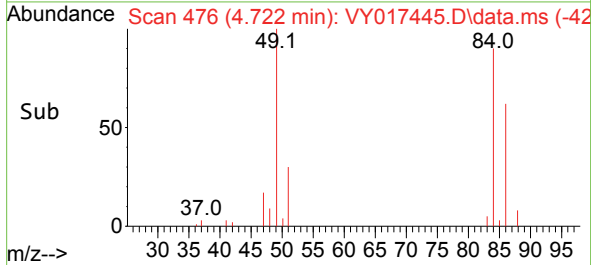
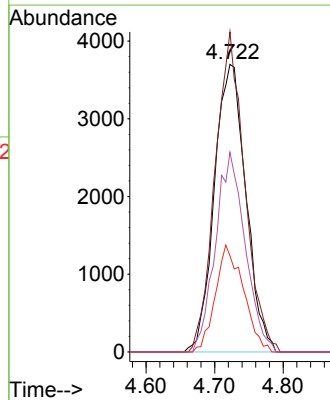
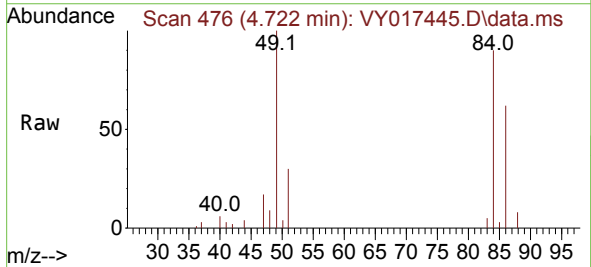
Ion Ratio Lower Upper

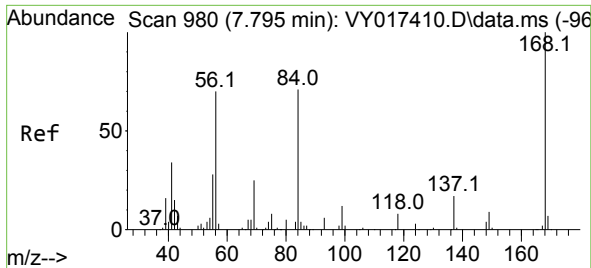
84 100

49 111.3 84.4 126.6

51 33.5 26.0 39.0

86 69.4 49.5 74.3

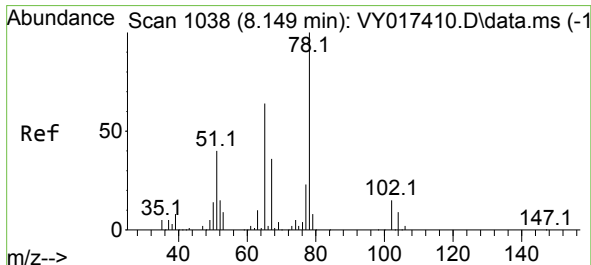
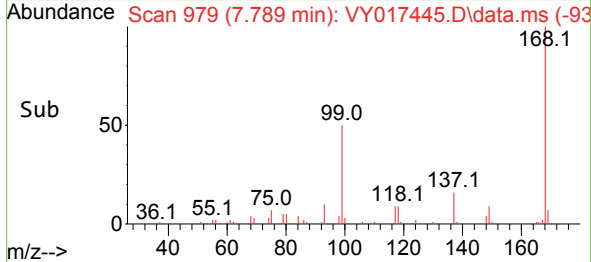
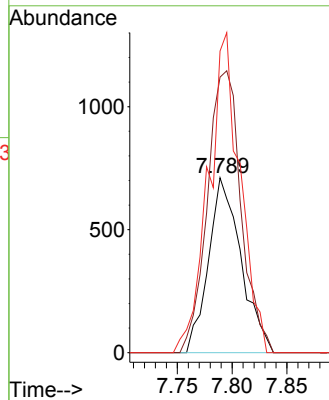
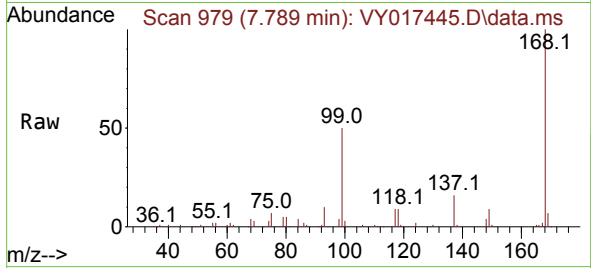




#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.789 min Scan# 912
Delta R.T. -0.006 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

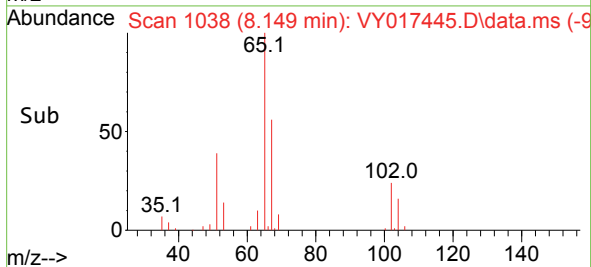
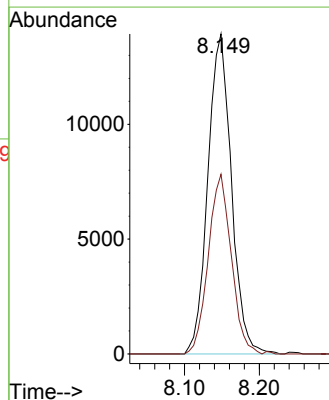
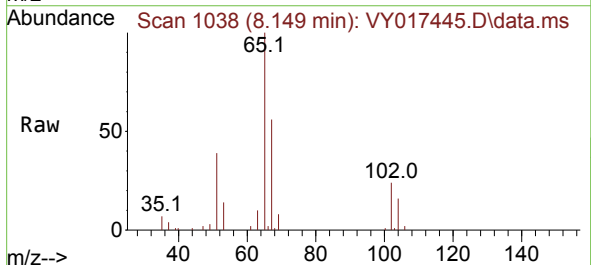
Instrument :
MSVOA_Y
ClientSampleId :
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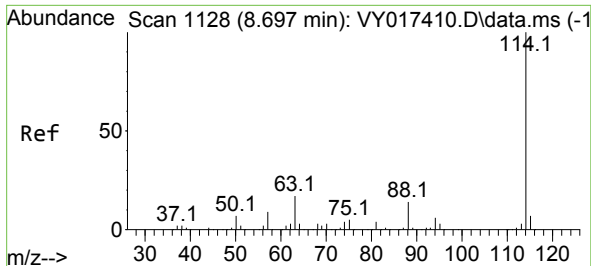
Tgt Ion: 56 Resp: 1465
Ion Ratio Lower Upper
56 100
69 157.5 28.7 43.1#
84 172.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 43.623 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 65 Resp: 30521
Ion Ratio Lower Upper
65 100
67 54.8 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: VY017445.D

Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

12

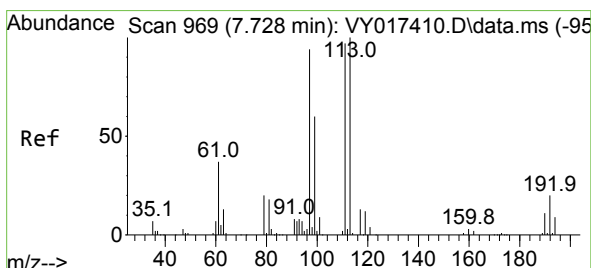
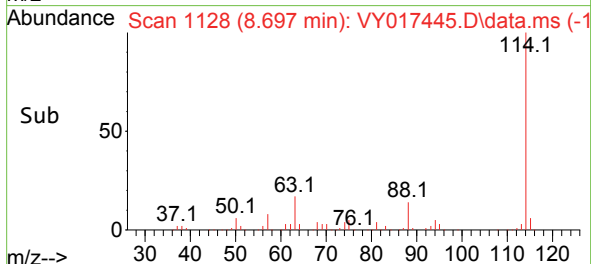
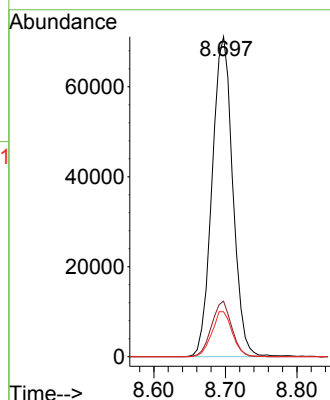
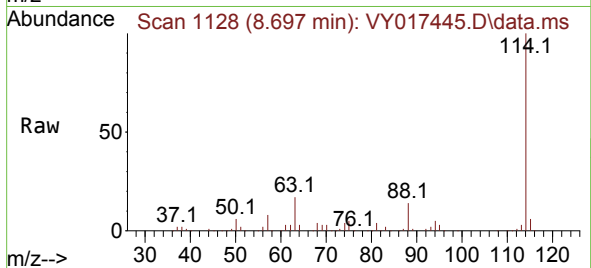
Tgt Ion:114 Resp: 142529

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 43.085 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

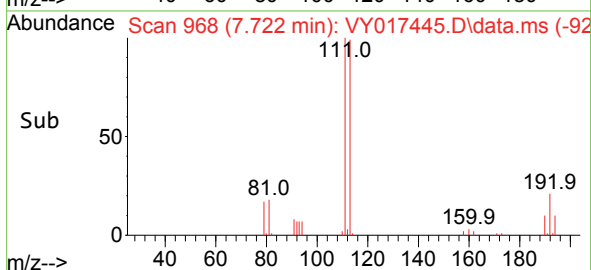
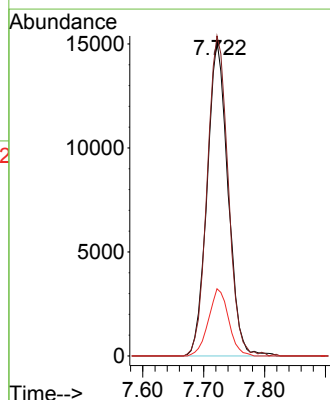
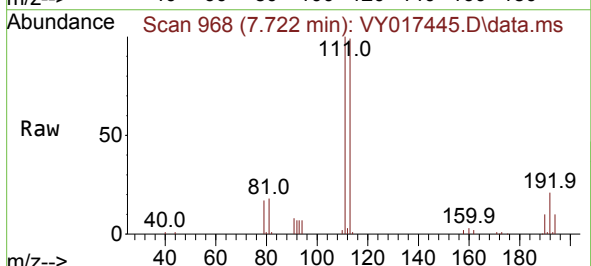
Tgt Ion:113 Resp: 35946

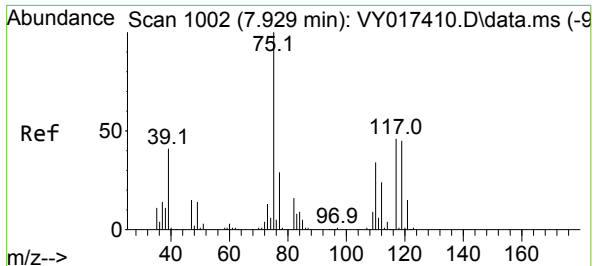
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 20.7 15.9 23.9

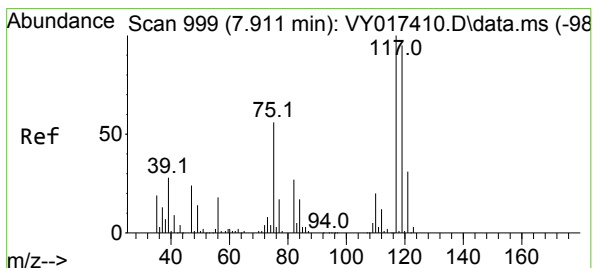
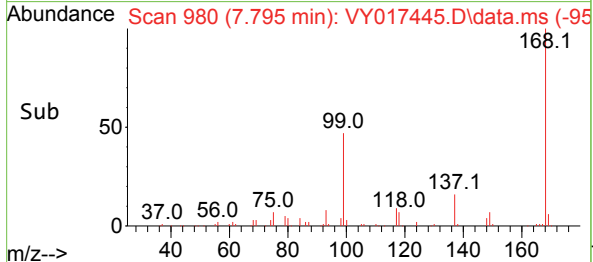
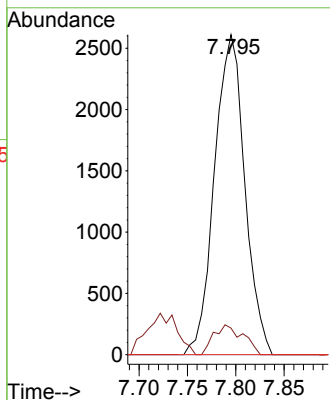
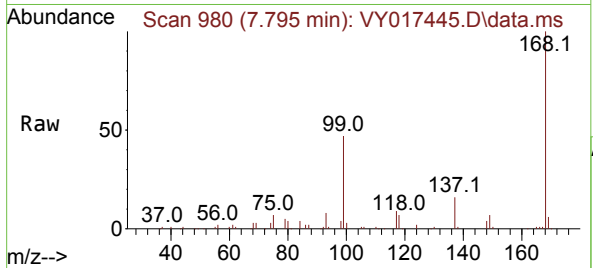




#36
1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 7.795 min Scan# 912
Delta R.T. -0.134 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

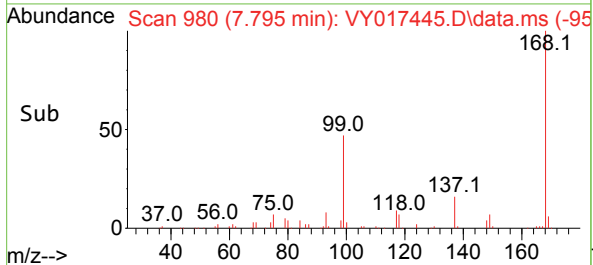
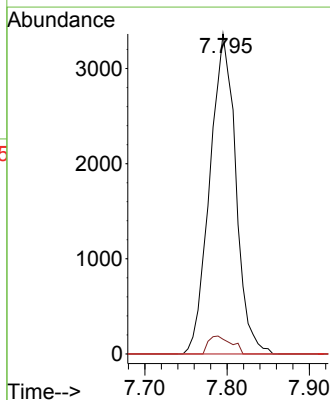
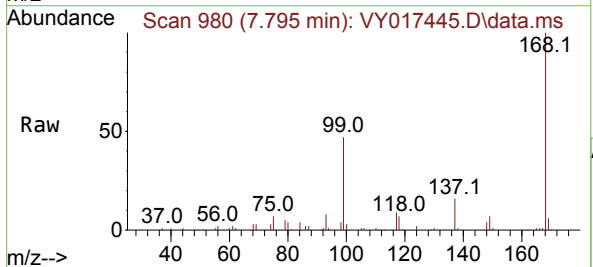
Instrument :
MSVOA_Y
ClientSampleId :
12

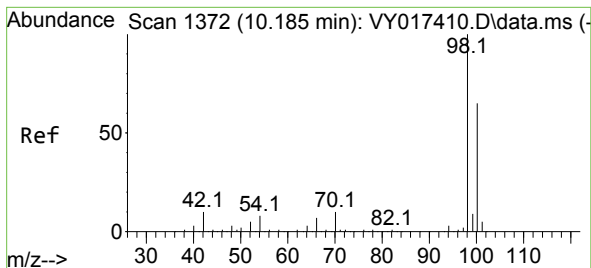
Tgt Ion: 75 Resp: 5681
Ion Ratio Lower Upper
75 100
110 9.1 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 117 Resp: 7383
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.0 36.0#

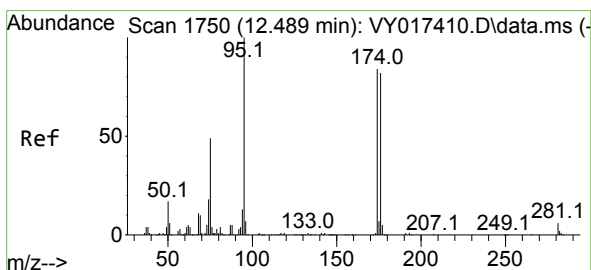
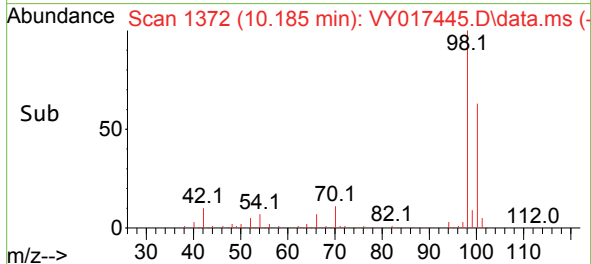
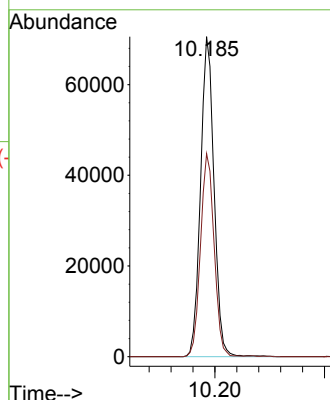
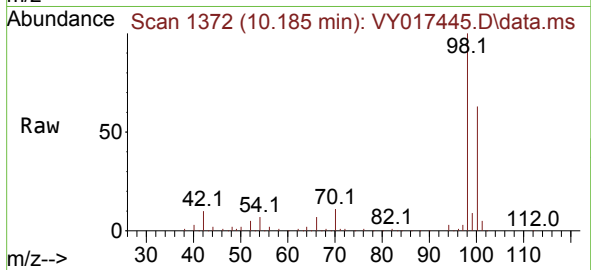




#50
Toluene-d8
Concen: 37.190 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

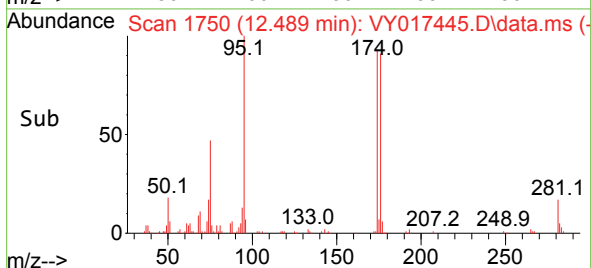
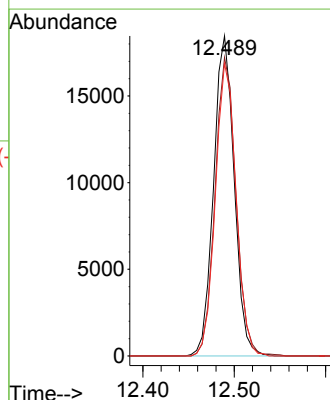
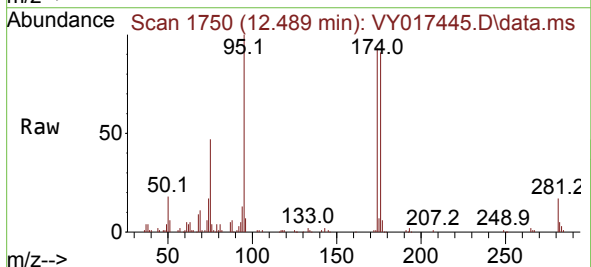
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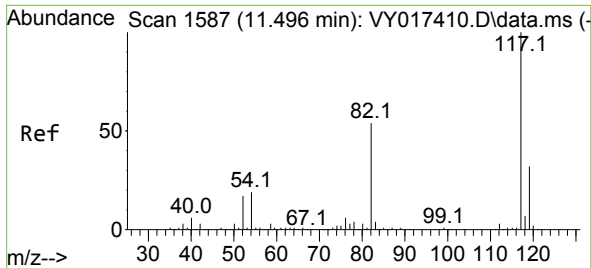
Tgt Ion: 98 Resp: 120337
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 27.565 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion: 95 Resp: 28881
Ion Ratio Lower Upper
95 100
174 94.8 0.0 175.6
176 92.0 0.0 171.4

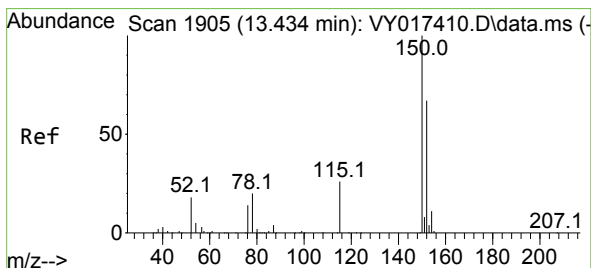
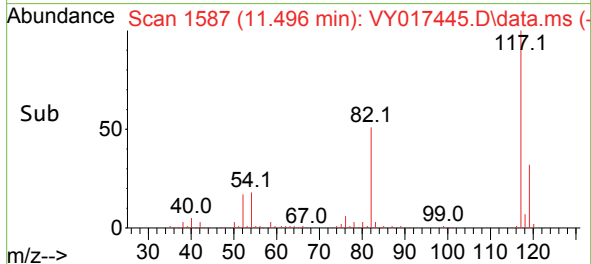
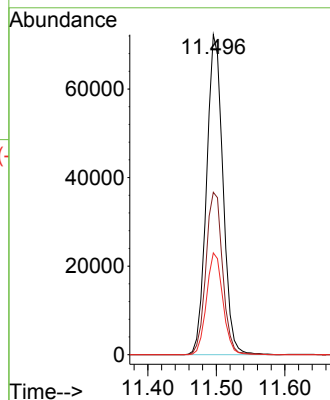
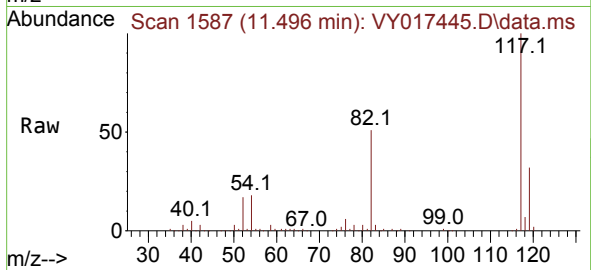




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

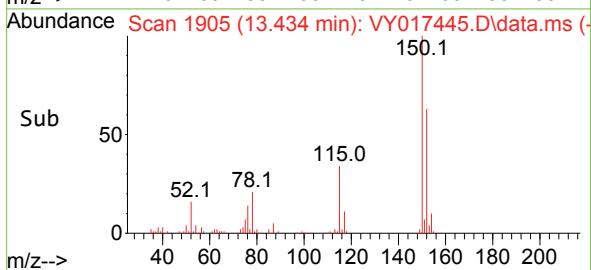
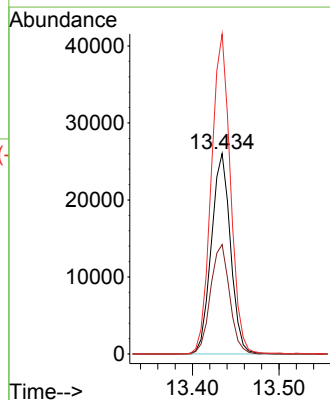
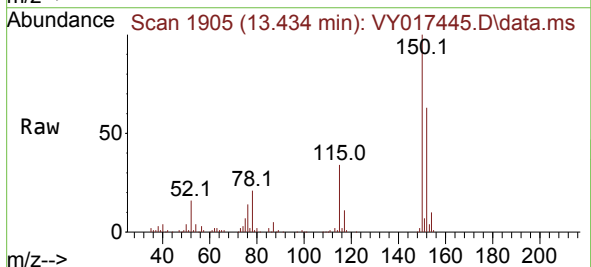
Instrument :
MSVOA_Y
ClientSampleId :
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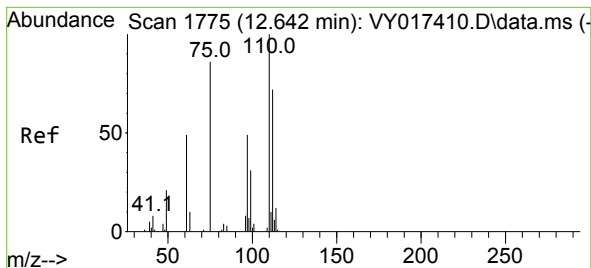
Tgt Ion:117 Resp: 120369
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017445.D
Acq: 21 Feb 2024 18:03

Tgt Ion:152 Resp: 39914
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 159.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 36.938 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

Instrument :

MSVOA_Y

ClientSampleId :

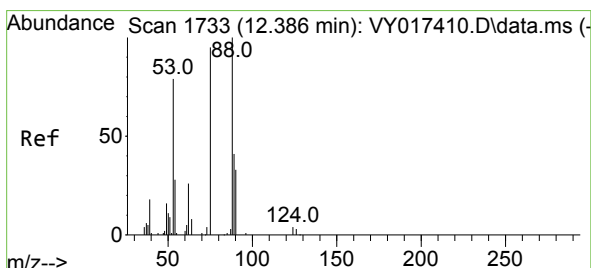
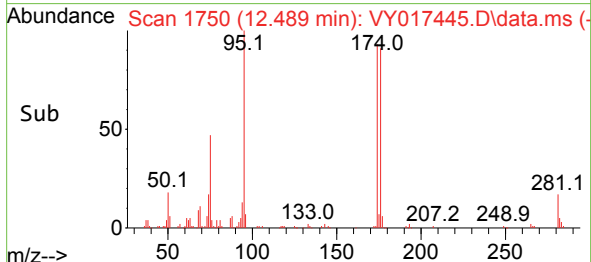
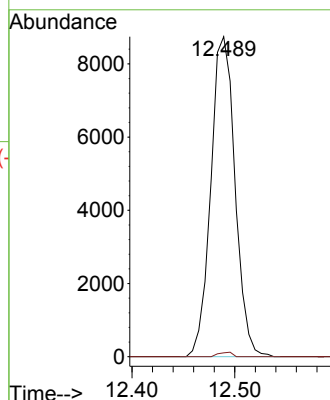
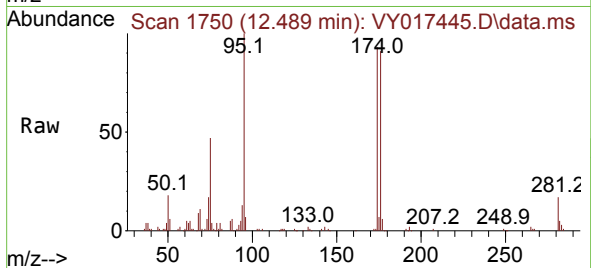
12

Tgt Ion: 75 Resp: 14295

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.122 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017445.D

Acq: 21 Feb 2024 18:03

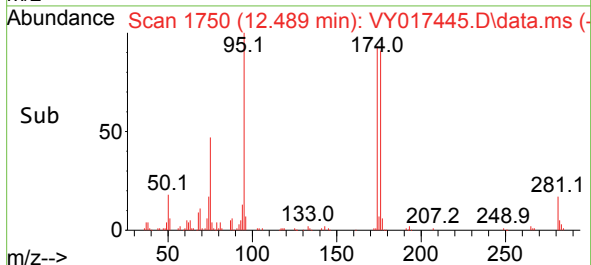
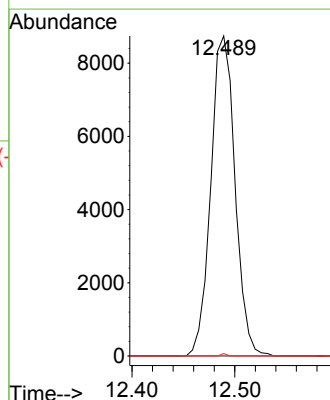
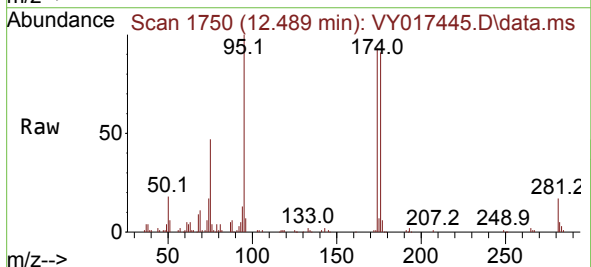
Tgt Ion: 75 Resp: 14295

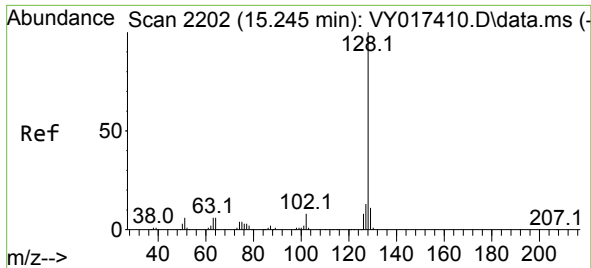
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.2 35.8 53.6#





#95
 Naphthalene
 Concen: 3.581 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY017445.D
 Acq: 21 Feb 2024 18:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 12

Tgt Ion:128 Resp: 53
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 13.0#

