

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017274.D
 Acq On : 06 Feb 2024 18:58
 Operator : SY/MD
 Sample : P1336-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 356

Quant Time: Feb 07 00:11:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

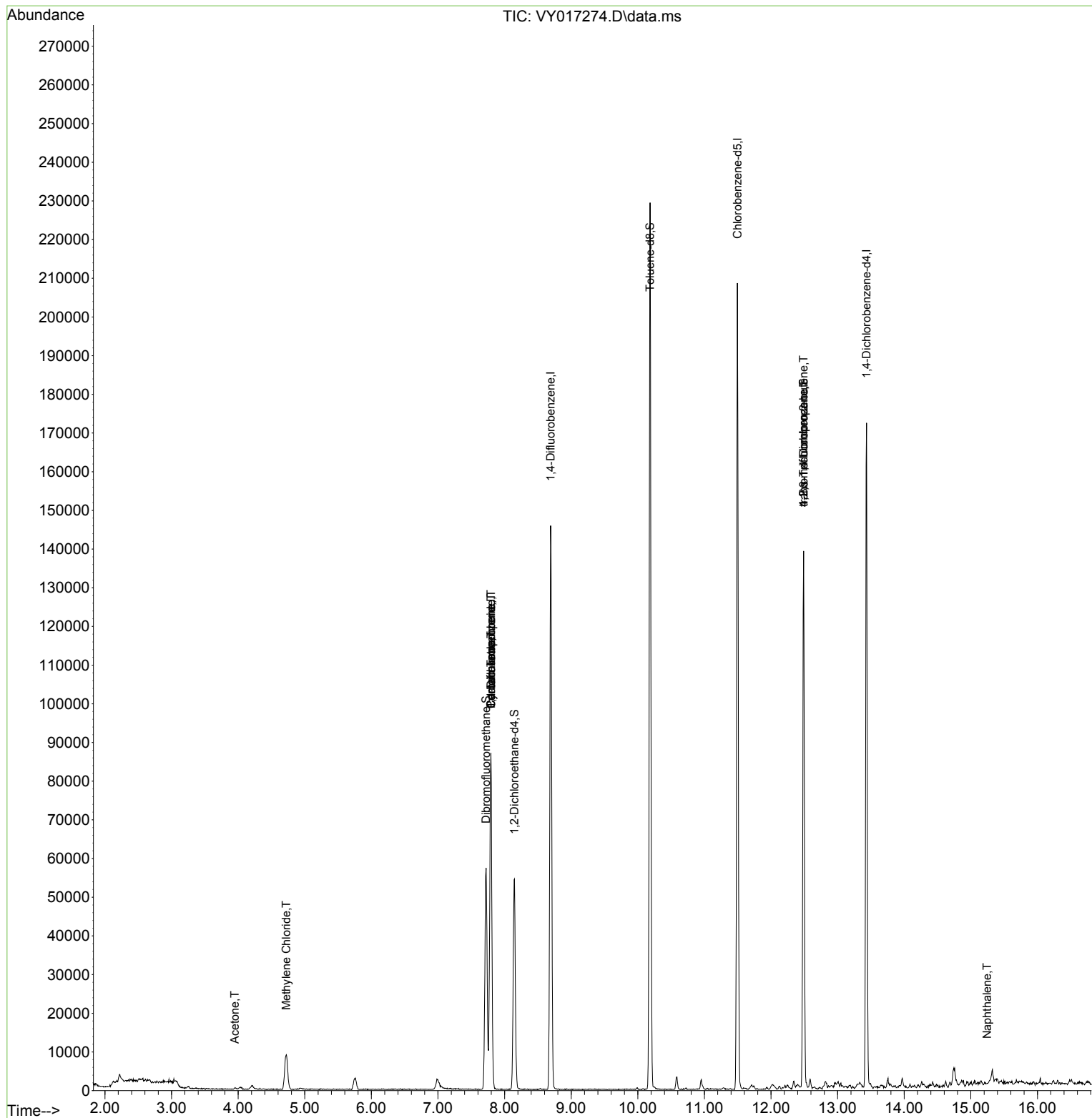
Internal Standards						
1) Pentafluorobenzene	7.795	168	63942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	122130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	108676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	41228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	41464	72.589	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 145.180%		
35) Dibromofluoromethane	7.722	113	41217	62.505	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 125.000%		
50) Toluene-d8	10.185	98	145332	60.532	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 121.060%		
62) 4-Bromofluorobenzene	12.489	95	42449	53.972	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 107.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	351	Below Cal	#	75
16) Acetone	3.948	43	480	2.859	ug/l #	41
20) Methylene Chloride	4.722	84	7083	7.310	ug/l	96
31) Cyclohexane	7.795	56	1648	1.431	ug/l #	32
36) 1,1-Dichloropropene	7.795	75	6044	5.314	ug/l #	49
38) Carbon Tetrachloride	7.795	117	6852	6.292	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	23386	61.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	23386	127.699	ug/l #	12
95) Naphthalene	15.245	128	210	3.602	ug/l #	69

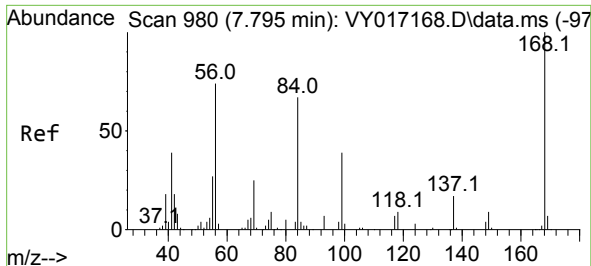
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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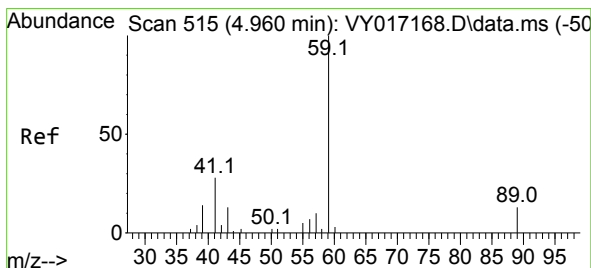
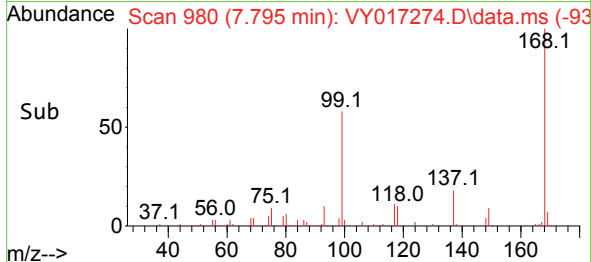
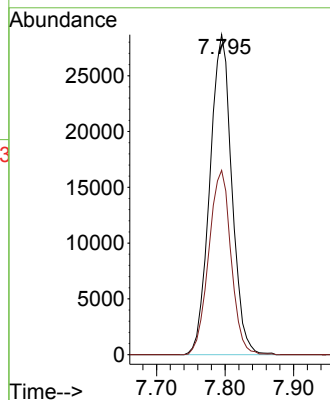
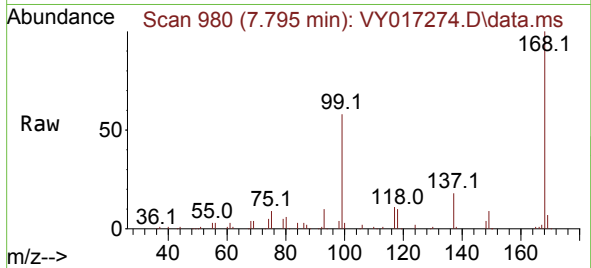




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

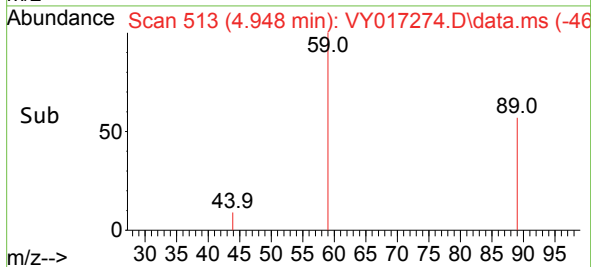
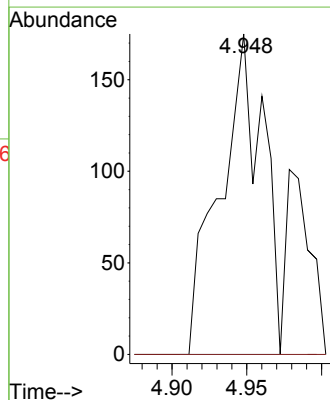
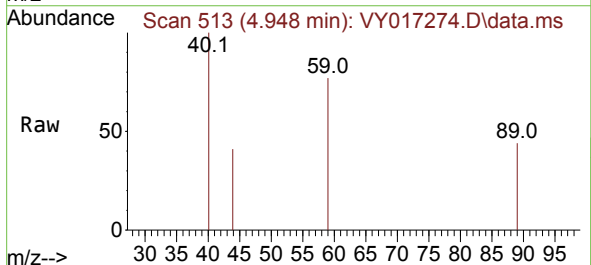
Instrument :
MSVOA_Y
ClientSampleId :
356

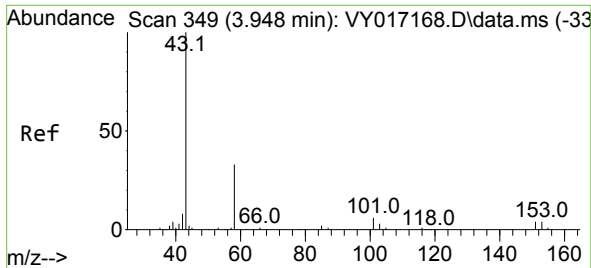
Tgt Ion:168 Resp: 63942
Ion Ratio Lower Upper
168 100
99 57.6 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

Tgt Ion: 59 Resp: 351
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.859 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

Instrument :

MSVOA_Y

ClientSampleId :

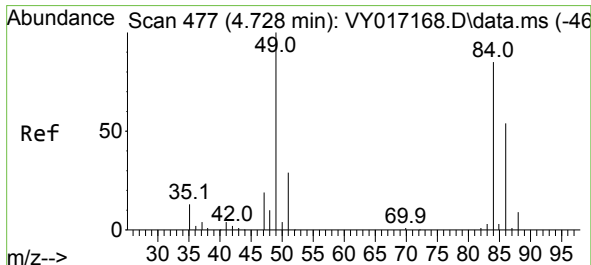
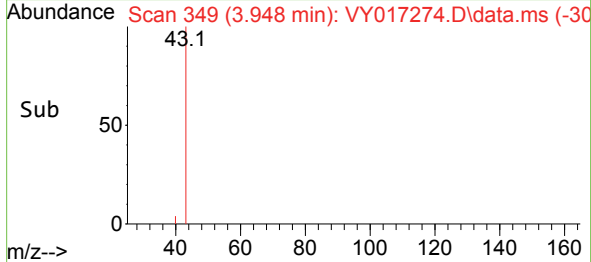
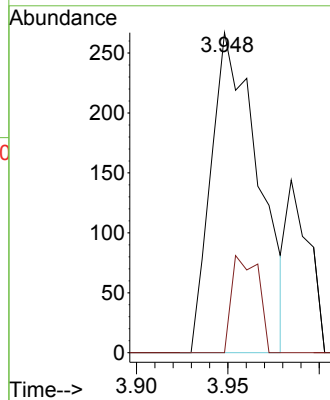
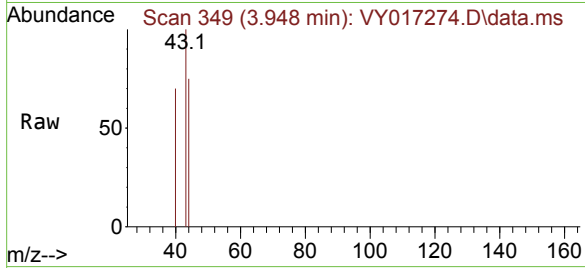
356

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#20

Methylene Chloride

Concen: 7.310 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

Tgt Ion: 84 Resp: 7083

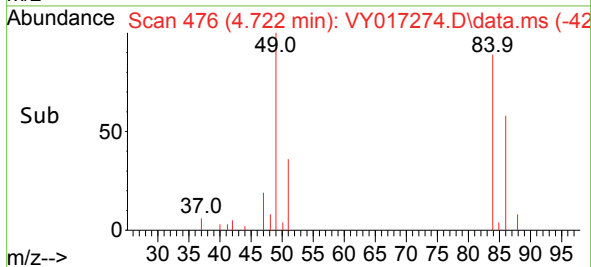
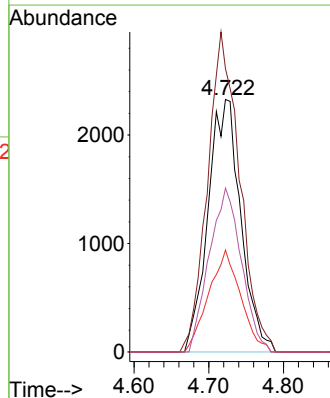
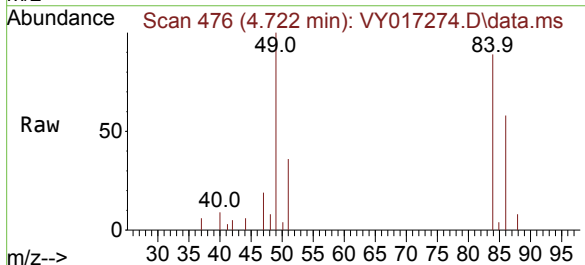
Ion Ratio Lower Upper

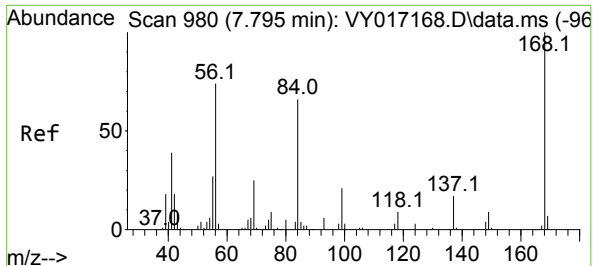
84 100

49 112.2 95.2 142.8

51 40.3 29.9 44.9

86 64.9 52.2 78.4

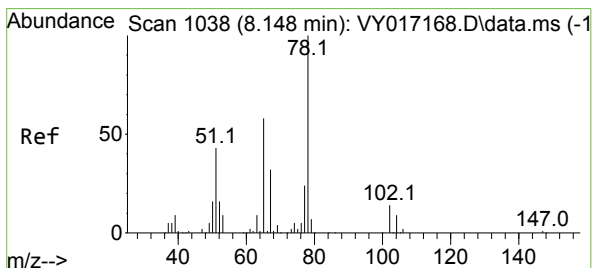
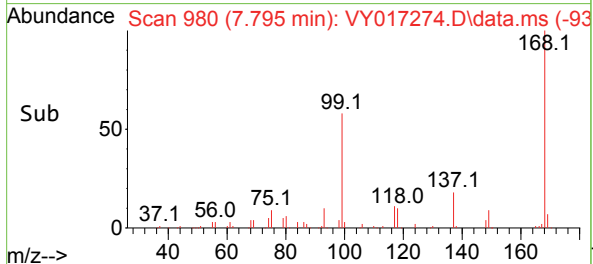
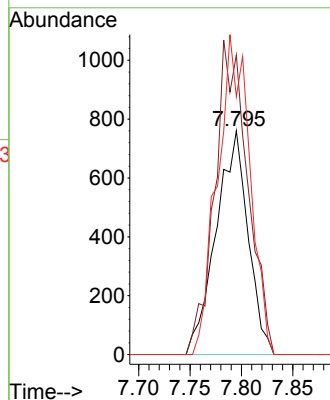
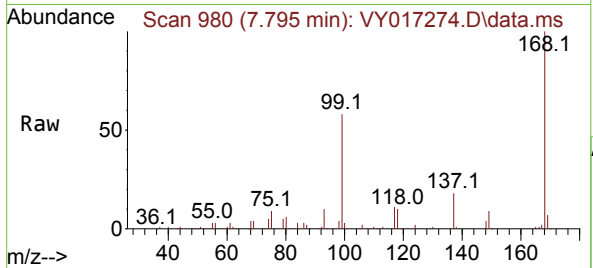




#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

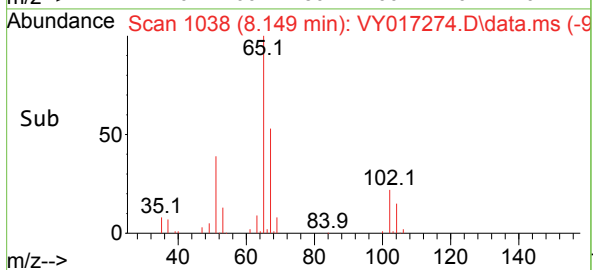
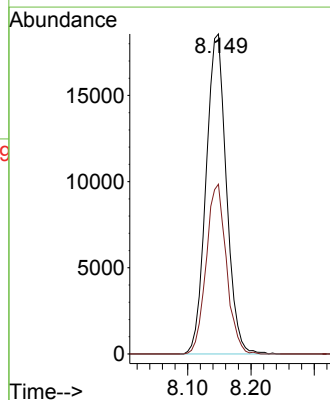
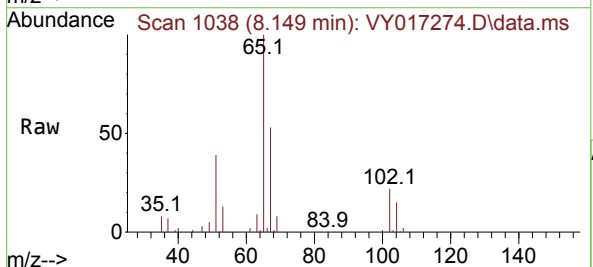
Instrument :
MSVOA_Y
ClientSampleId :
356

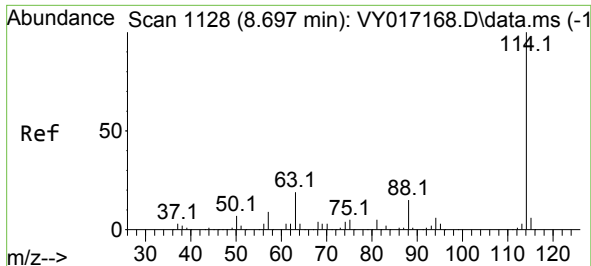
Tgt Ion: 56 Resp: 1648
Ion Ratio Lower Upper
56 100
69 133.9 27.0 40.6#
84 115.3 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 72.589 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

Tgt Ion: 65 Resp: 41464
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.0

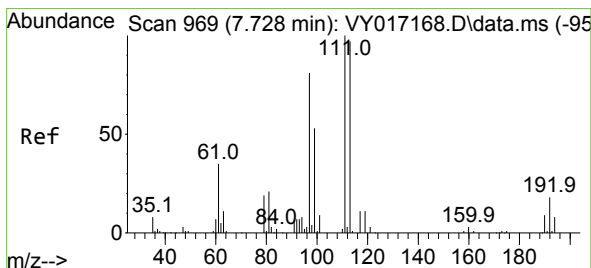
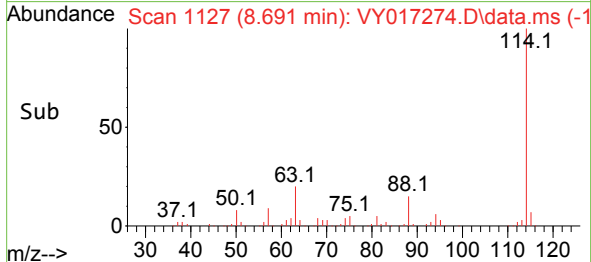
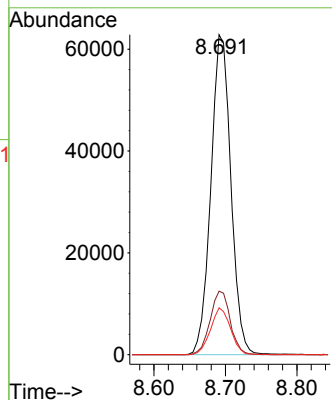
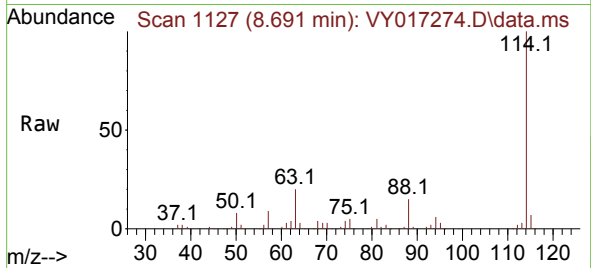




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

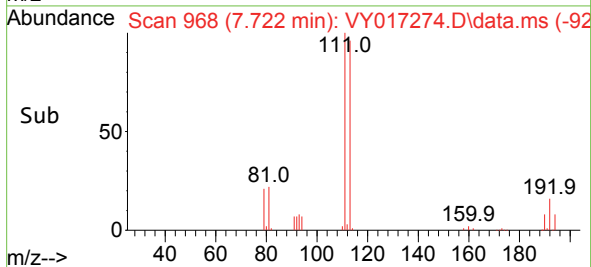
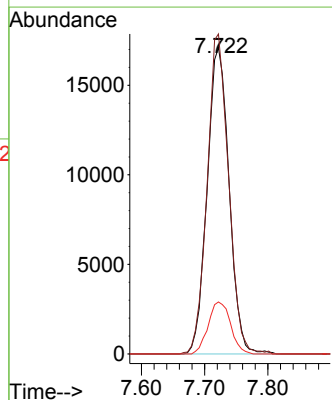
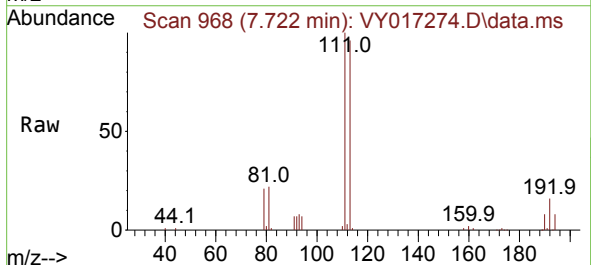
Instrument :
MSVOA_Y
ClientSampleId :
356

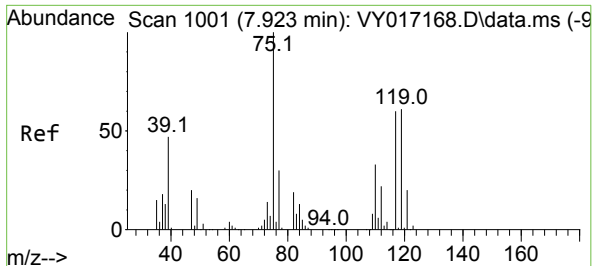
Tgt Ion:114 Resp: 122130
Ion Ratio Lower Upper
114 100
63 19.9 0.0 37.4
88 14.7 0.0 29.0



#35
Dibromofluoromethane
Concen: 62.505 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

Tgt Ion:113 Resp: 41217
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 17.3 14.5 21.7

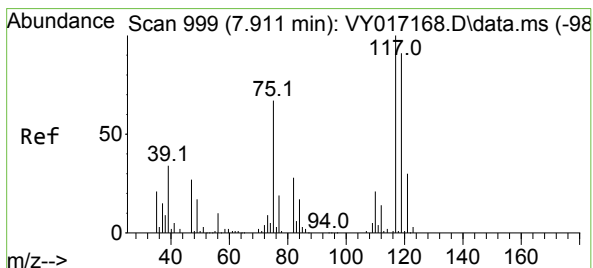
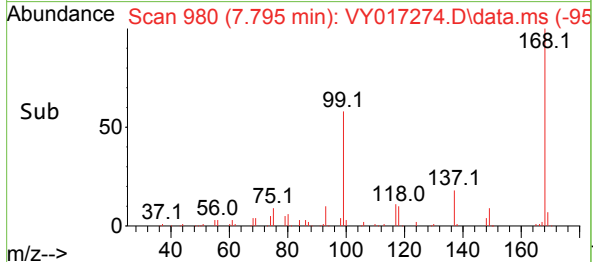
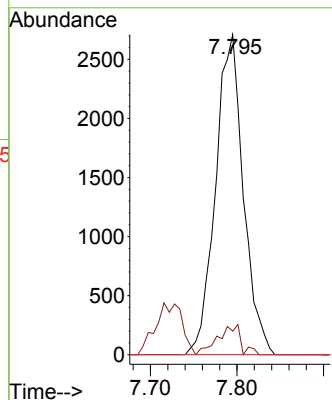
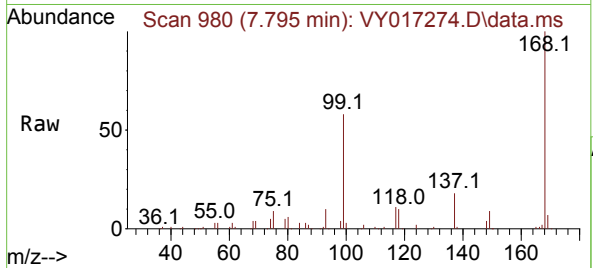




#36
1,1-Dichloropropene
Concen: 5.314 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

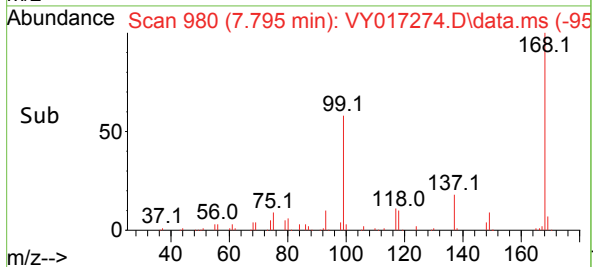
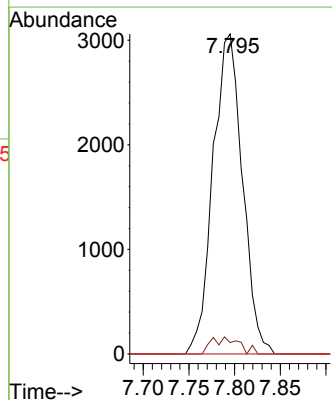
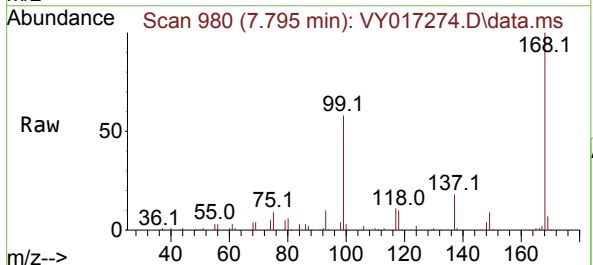
Instrument :
MSVOA_Y
ClientSampleId :
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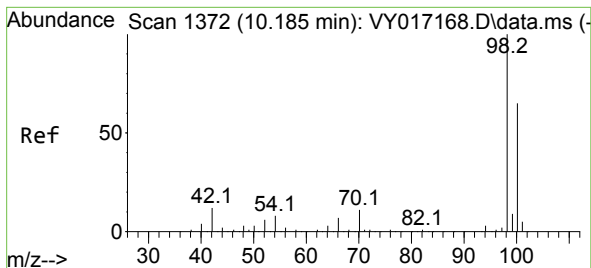
Tgt Ion: 75 Resp: 6044
Ion Ratio Lower Upper
75 100
110 7.8 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

Tgt Ion: 117 Resp: 6852
Ion Ratio Lower Upper
117 100
119 3.5 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 60.532 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

Instrument :

MSVOA_Y

ClientSampleId :

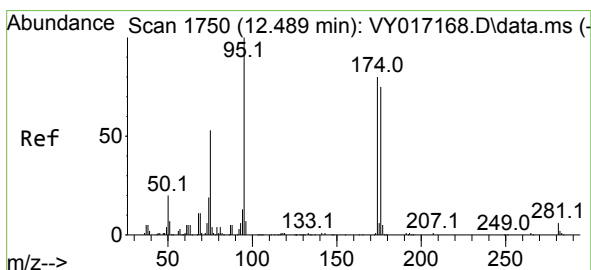
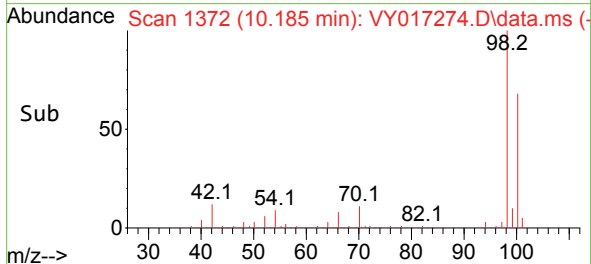
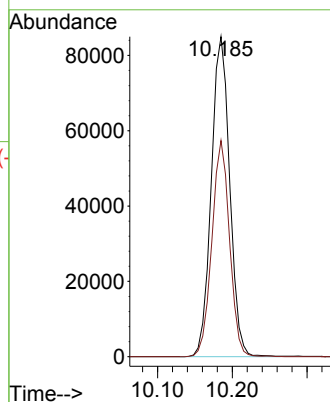
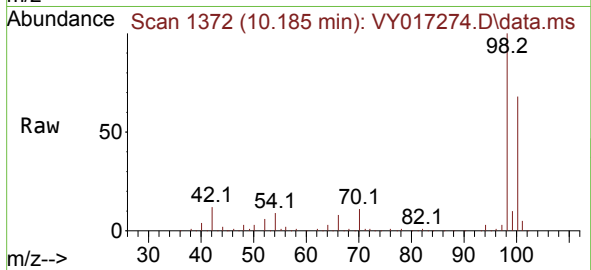
356

Tgt Ion: 98 Resp: 145332

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 53.972 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

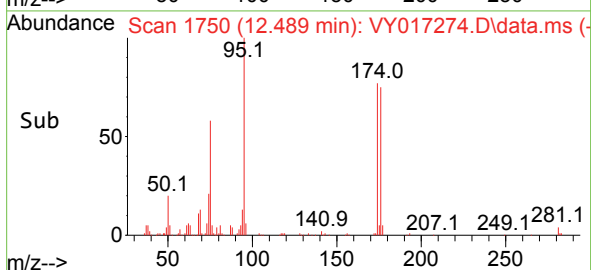
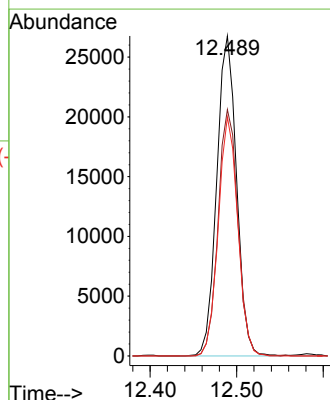
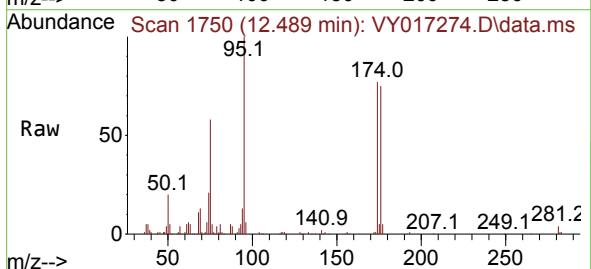
Tgt Ion: 95 Resp: 42449

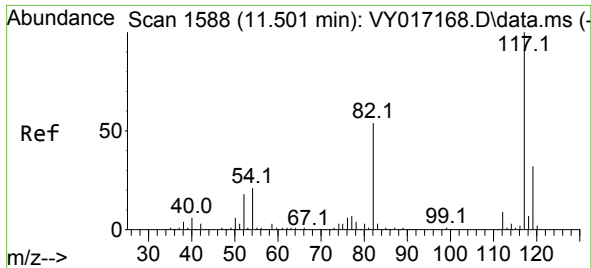
Ion Ratio Lower Upper

95 100

174 77.1 0.0 160.0

176 73.5 0.0 151.8

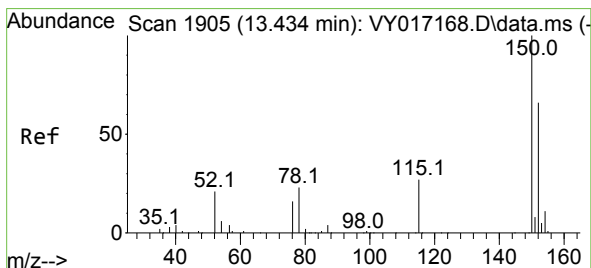
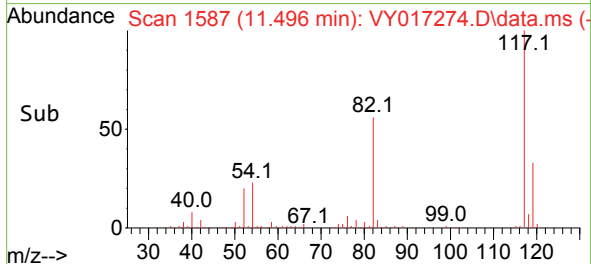
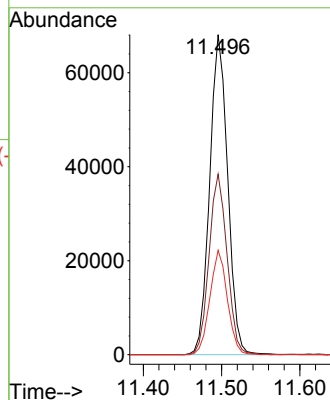
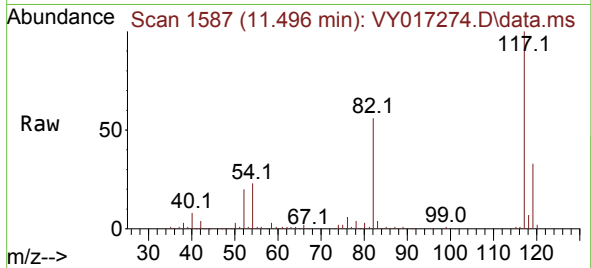




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

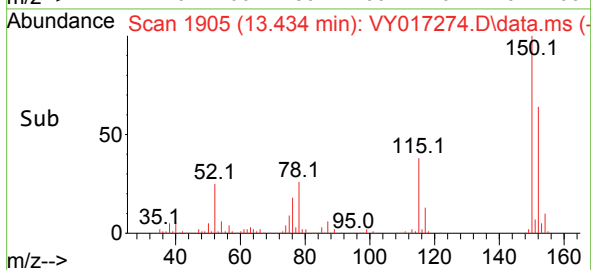
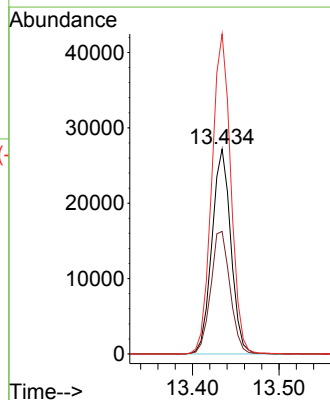
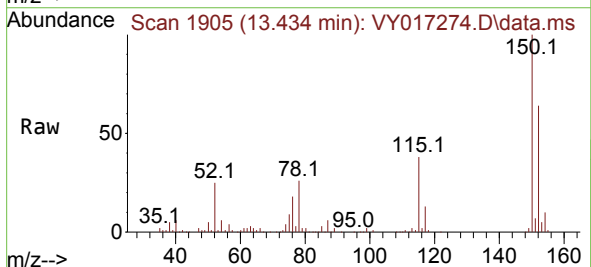
Instrument :
MSVOA_Y
ClientSampleId :
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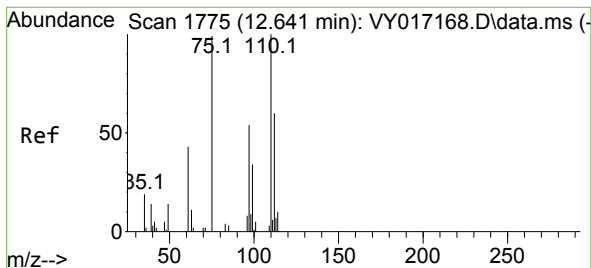
Tgt Ion:117 Resp: 108676
Ion Ratio Lower Upper
117 100
82 56.4 43.8 65.8
119 32.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017274.D
Acq: 06 Feb 2024 18:58

Tgt Ion:152 Resp: 41228
Ion Ratio Lower Upper
152 100
115 61.4 30.0 90.0
150 157.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 61.457 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

Instrument :

MSVOA_Y

ClientSampleId :

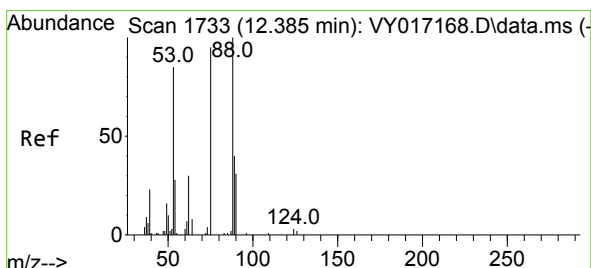
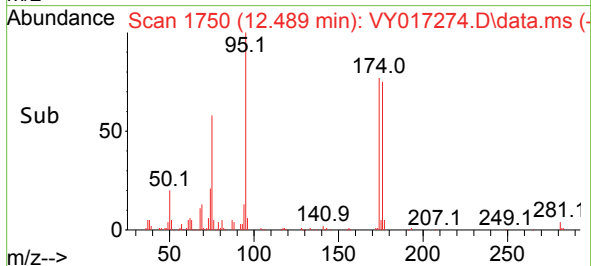
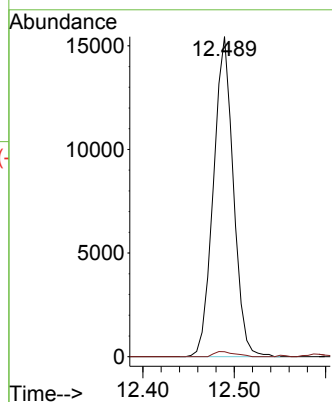
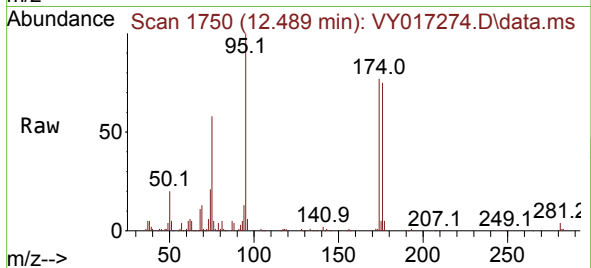
356

Tgt Ion: 75 Resp: 23386

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.699 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017274.D

Acq: 06 Feb 2024 18:58

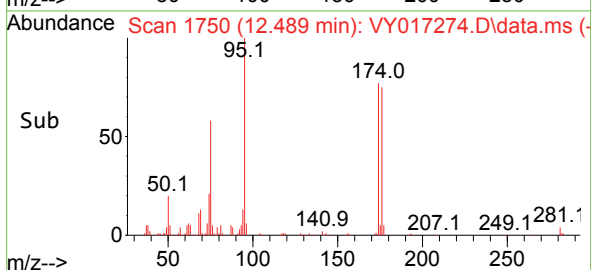
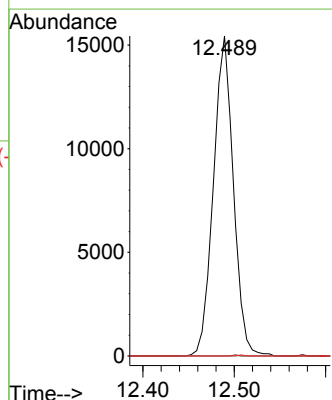
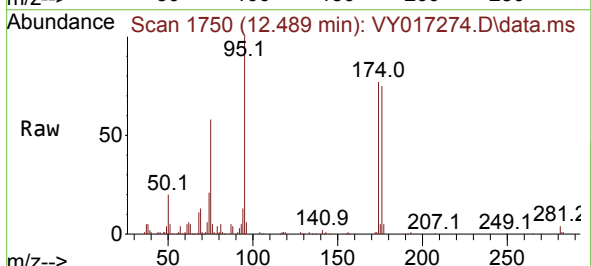
Tgt Ion: 75 Resp: 23386

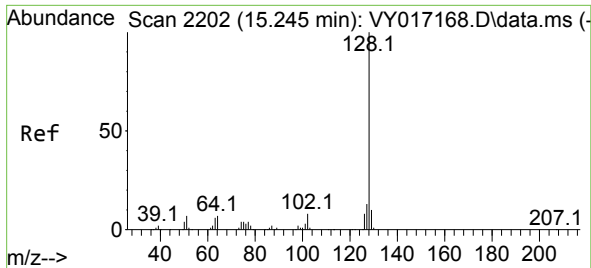
Ion Ratio Lower Upper

75 100

53 0.1 74.0 111.0#

89 0.1 36.5 54.7#





#95
 Naphthalene
 Concen: 3.602 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017274.D
 Acq: 06 Feb 2024 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 356

Tgt Ion:128	Resp:	210
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.2 15.4#
129	0.0	8.6 12.8#

