

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017224.D
 Acq On : 05 Feb 2024 13:19
 Operator : SY/MD
 Sample : P1366-05
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-1-4-6

Quant Time: Feb 06 00:58:09 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)

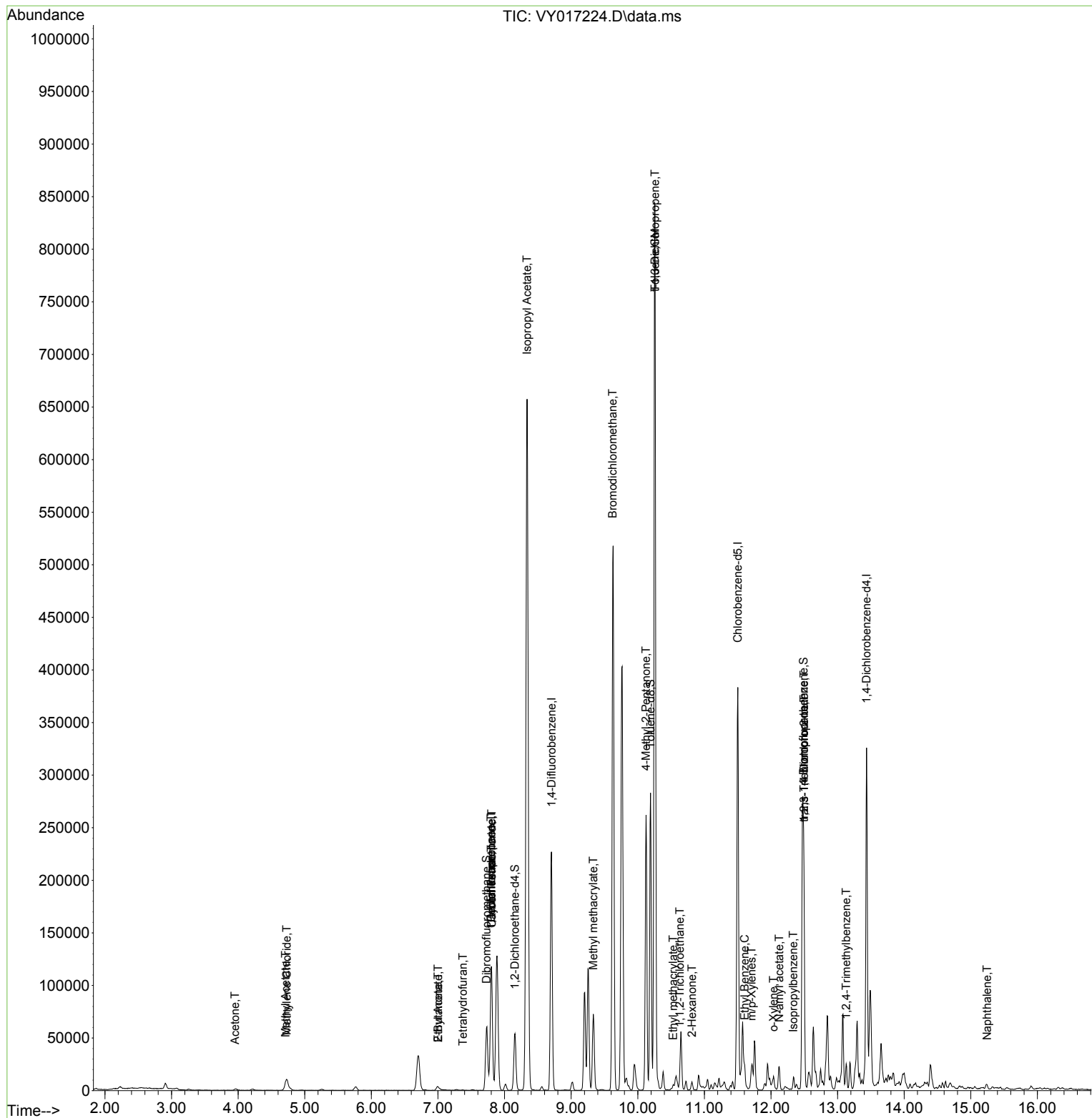
Internal Standards						
1) Pentafluorobenzene	7.801	168	90943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	197340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	195784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	78370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	40052	49.299	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.600%
35) Dibromofluoromethane	7.728	113	43171	40.517	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.040%
50) Toluene-d8	10.191	98	178611	46.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.489	95	63885	50.270	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	122	Below Cal	#	75
16) Acetone	3.954	43	2396	10.034	ug/l	99
18) Methyl Acetate	4.710	43	3331	6.253	ug/l #	51
20) Methylene Chloride	4.729	84	6181	3.029	ug/l	97
25) 2-Butanone	7.003	43	917	2.889	ug/l #	81
29) Tetrahydrofuran	7.374	42	235	1.311	ug/l #	45
31) Cyclohexane	7.801	56	3420	2.088	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	7565	4.116	ug/l #	46
37) Ethyl Acetate	7.003	43	917	1.076	ug/l #	72
38) Carbon Tetrachloride	7.807	117	8620	4.898	ug/l #	16
43) Isopropyl Acetate	8.338	43	125417	83.112	ug/l #	51
47) Bromodichloromethane	9.624	83	3247	1.863	ug/l #	32
48) Methyl methacrylate	9.331	41	17100	24.159	ug/l #	33
51) 4-Methyl-2-Pentanone	10.124	43	29378	36.318	ug/l #	80
52) Toluene	10.258	92	358020	113.008	ug/l	100
53) t-1,3-Dichloropropene	10.258	75	4129	2.522	ug/l #	1
55) 1,1,2-Trichloroethane	10.630	97	1795	1.894	ug/l #	1
56) Ethyl methacrylate	10.532	69	853	3.633	ug/l #	75
59) 2-Hexanone	10.813	43	3205	5.479	ug/l #	23
67) Ethyl Benzene	11.605	91	15592	2.284	ug/l	98
68) m/p-Xylenes	11.709	106	6546	2.527	ug/l	96
69) o-Xylene	12.038	106	2696	1.130	ug/l	96
73) Isopropylbenzene	12.337	105	7029	1.221	ug/l	98
74) N-amyl acetate	12.124	43	3423	2.646	ug/l #	70
76) 1,2,3-Trichloropropane	12.496	75	33655	46.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	33655	96.677	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.130	105	12792	2.830	ug/l	95
95) Naphthalene	15.245	128	1874	4.267	ug/l #	80

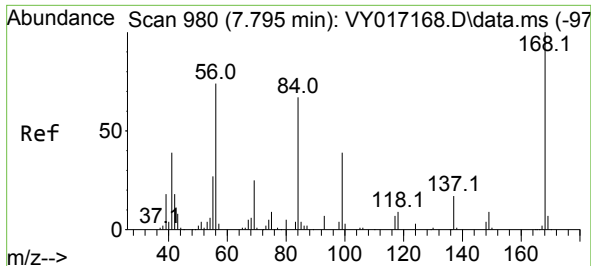
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
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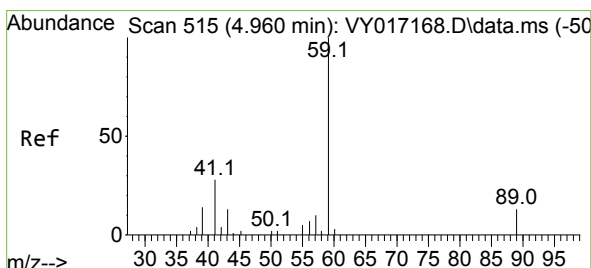
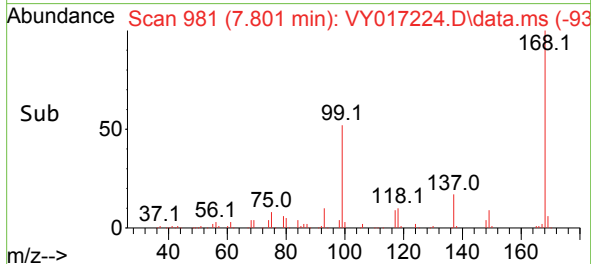
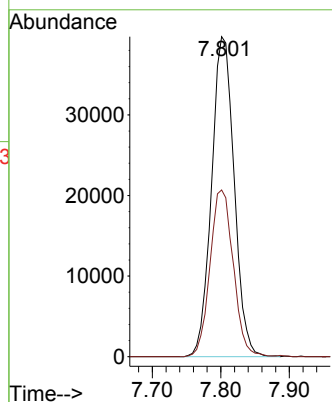
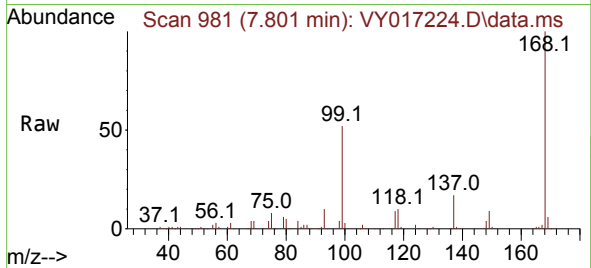




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

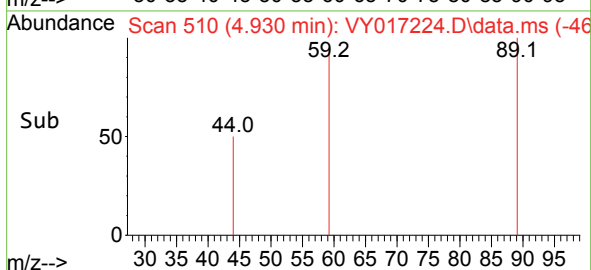
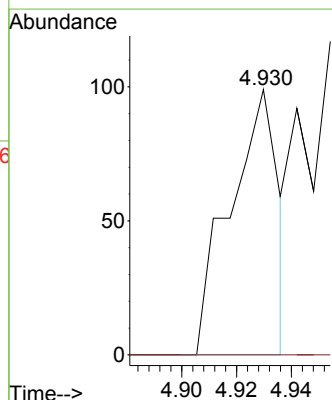
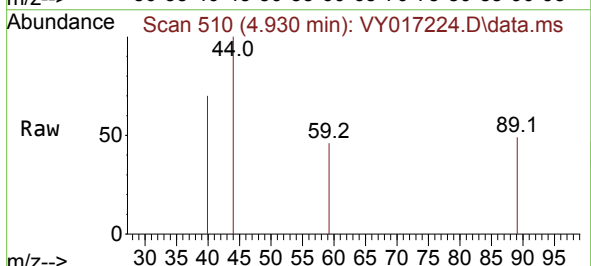
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

Tgt Ion:168 Resp: 90943
Ion Ratio Lower Upper
168 100
99 52.1 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 10.034 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

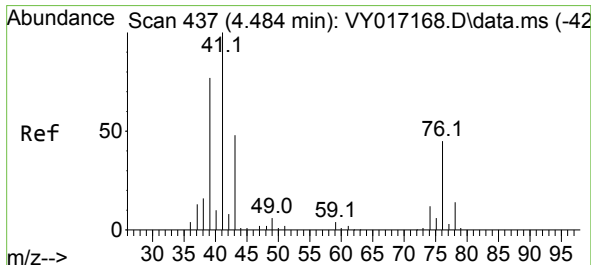
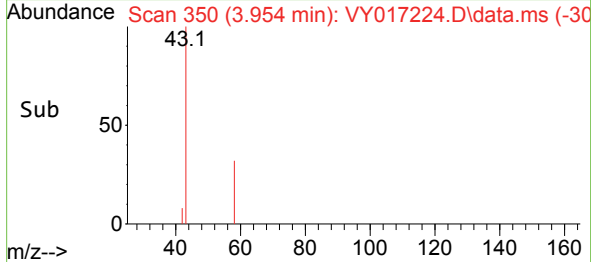
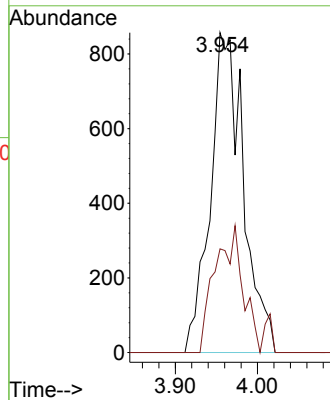
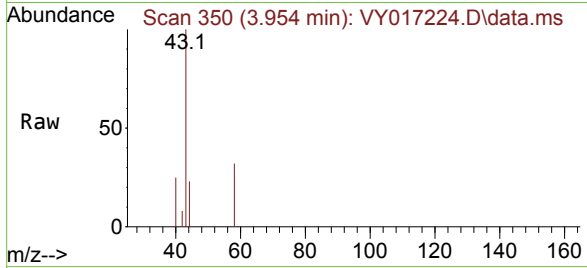
EB-1-4-6

Tgt Ion: 43 Resp: 2396

Ion Ratio Lower Upper

43 100

58 32.4 26.6 39.8



#18

Methyl Acetate

Concen: 6.253 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.226 min

Lab File: VY017224.D

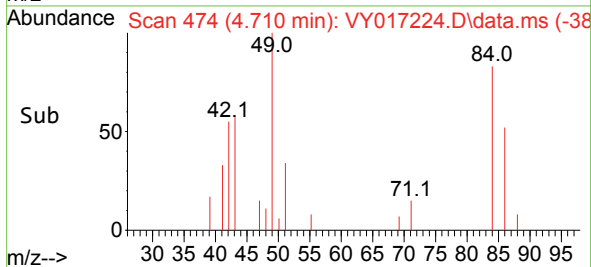
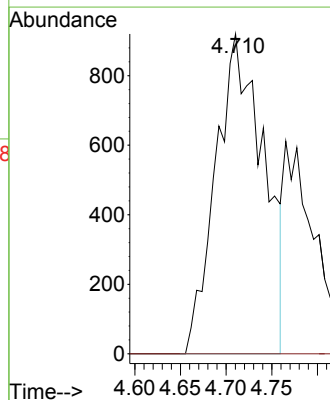
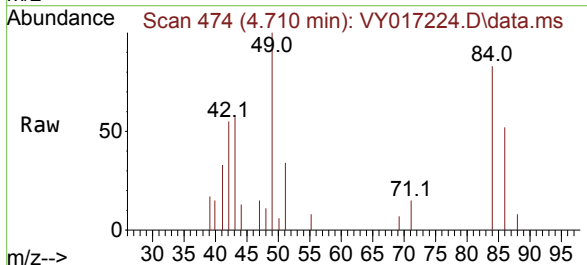
Acq: 05 Feb 2024 13:19

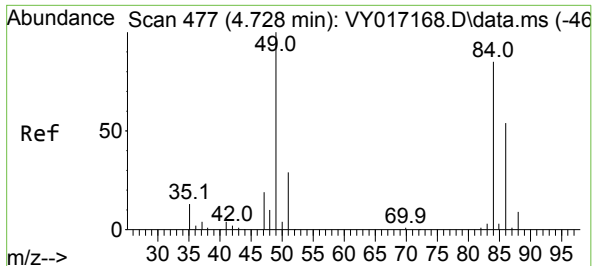
Tgt Ion: 43 Resp: 3331

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 3.029 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

EB-1-4-6

Tgt Ion: 84 Resp: 6181

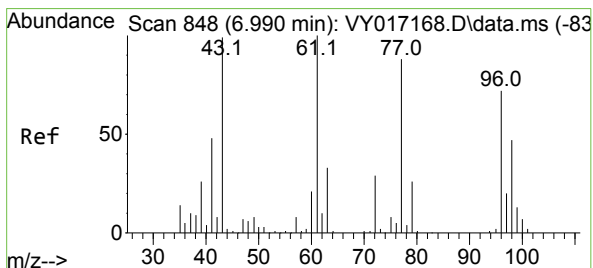
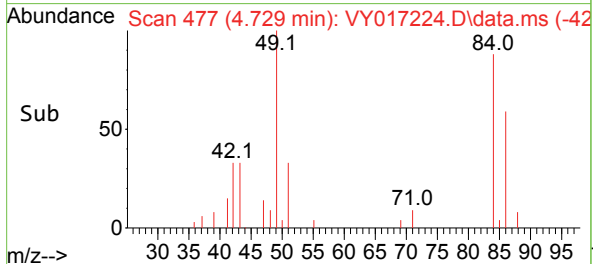
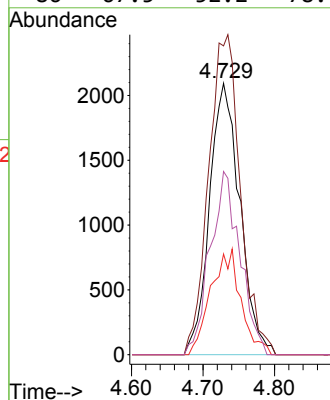
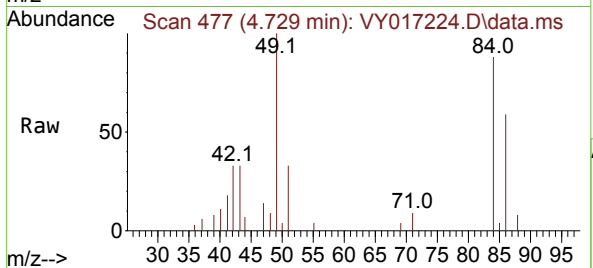
Ion Ratio Lower Upper

84 100

49 113.8 95.2 142.8

51 37.1 29.9 44.9

86 67.5 52.2 78.4



#25

2-Butanone

Concen: 2.889 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.013 min

Lab File: VY017224.D

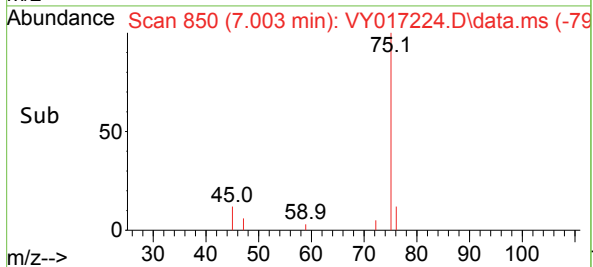
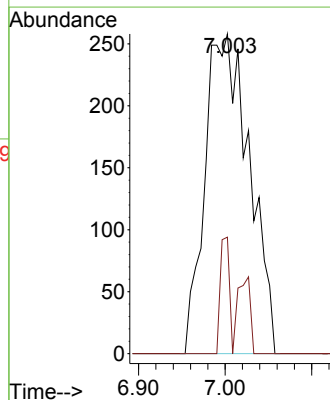
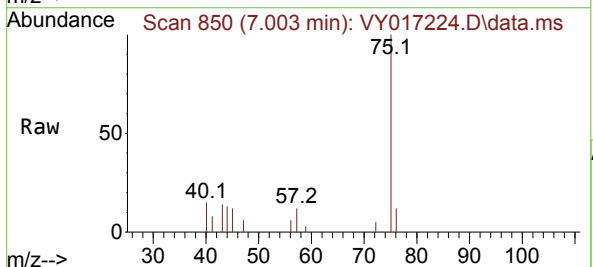
Acq: 05 Feb 2024 13:19

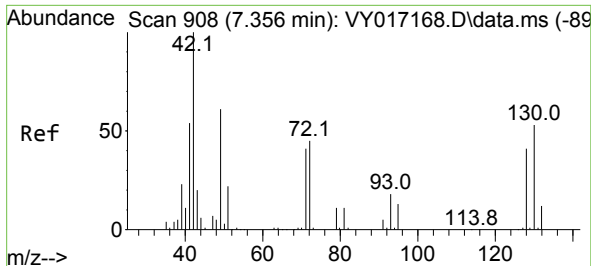
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

72 36.4 21.4 32.2#





#29

Tetrahydrofuran

Concen: 1.311 ug/l

RT: 7.374 min Scan# 911

Delta R.T. 0.019 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

EB-1-4-6

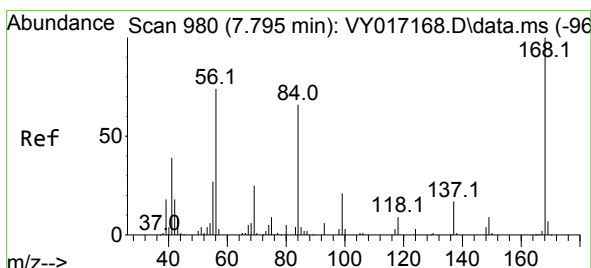
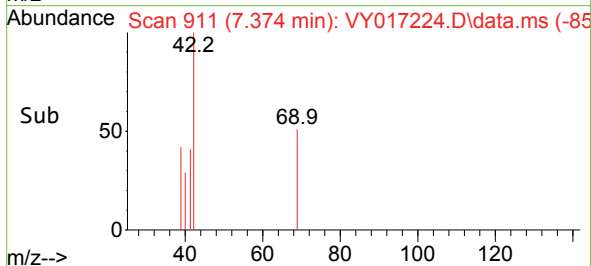
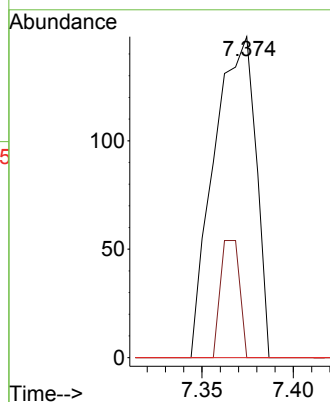
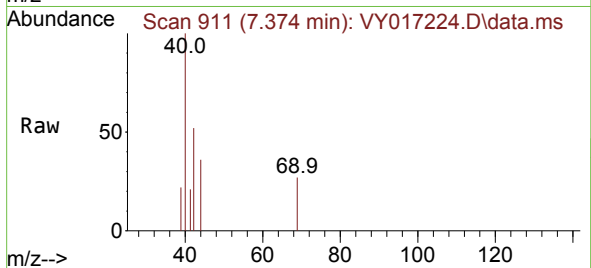
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 17.0 36.6 54.8#

71 0.0 33.8 50.6#



#31

Cyclohexane

Concen: 2.088 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

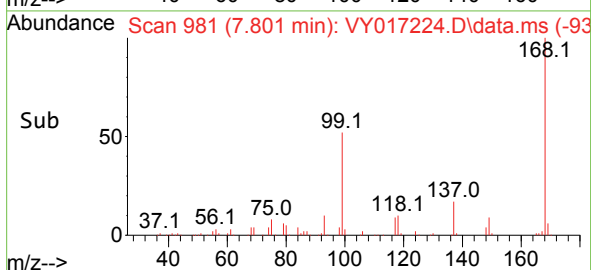
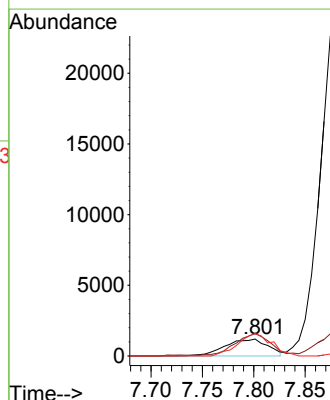
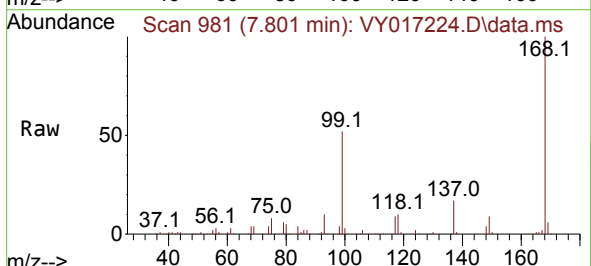
Tgt Ion: 56 Resp: 3420

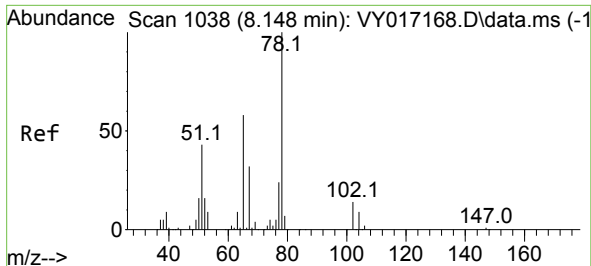
Ion Ratio Lower Upper

56 100

69 125.3 27.0 40.6#

84 131.4 71.8 107.6#

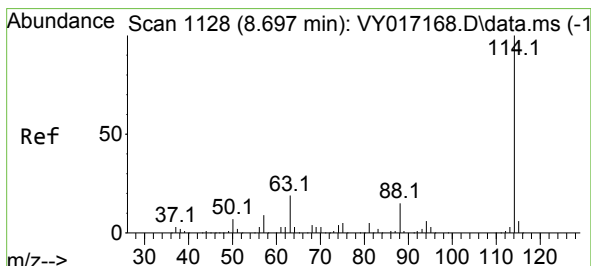
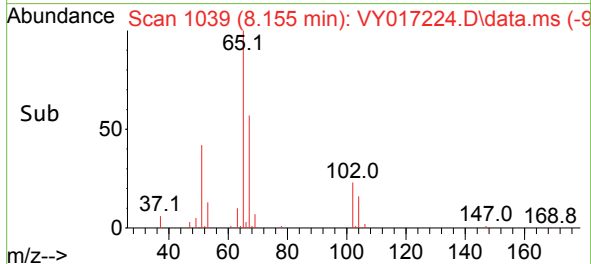
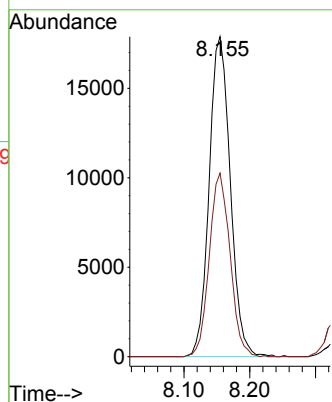
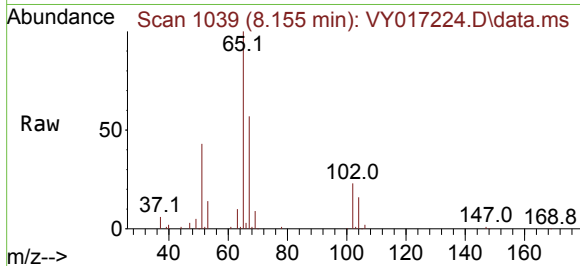




#33
 1,2-Dichloroethane-d4
 Concen: 49.299 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.007 min
 Lab File: VY017224.D
 Acq: 05 Feb 2024 13:19

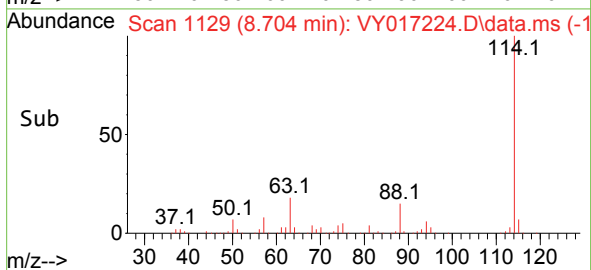
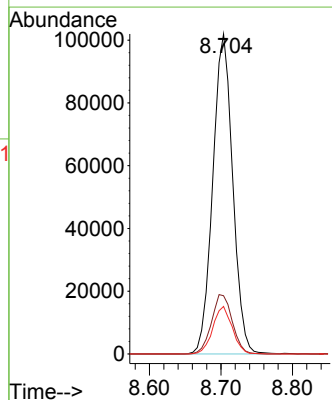
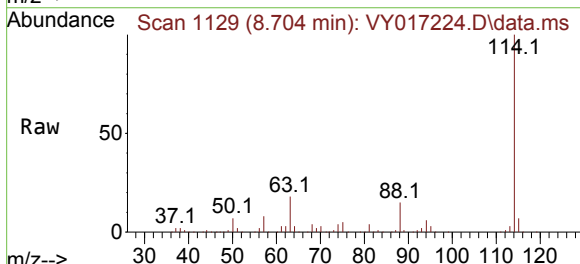
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 EB-1-4-6

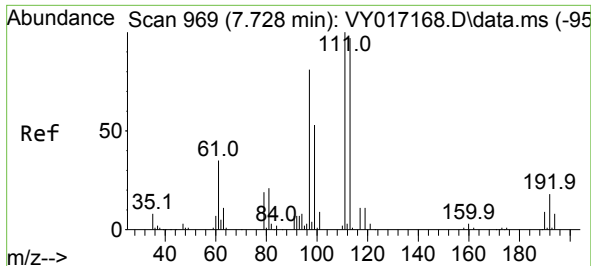
Tgt Ion: 65 Resp: 40052
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.007 min
 Lab File: VY017224.D
 Acq: 05 Feb 2024 13:19

Tgt Ion: 114 Resp: 197340
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.4
 88 14.9 0.0 29.0

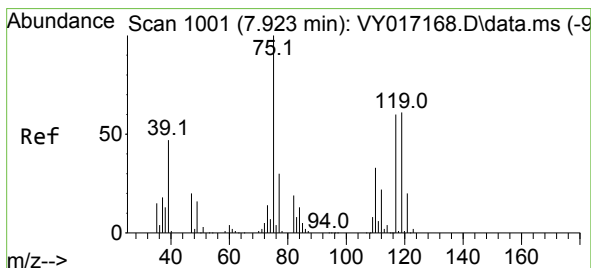
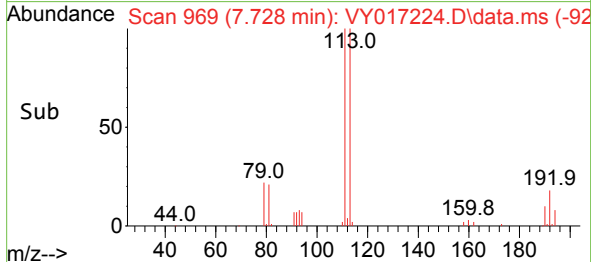
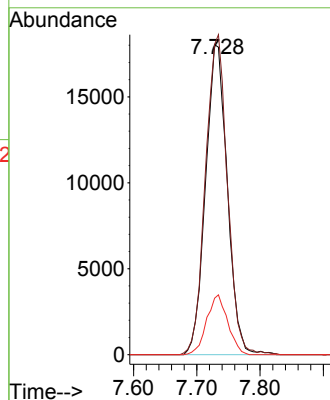
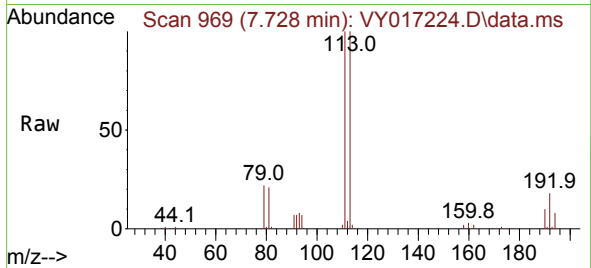




#35
Dibromofluoromethane
Concen: 40.517 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

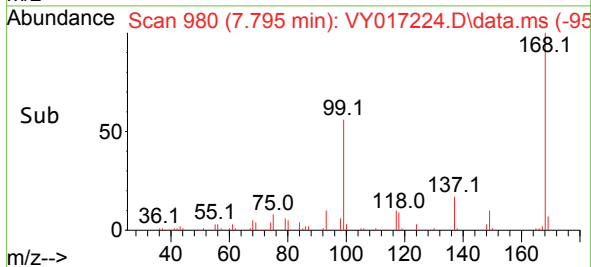
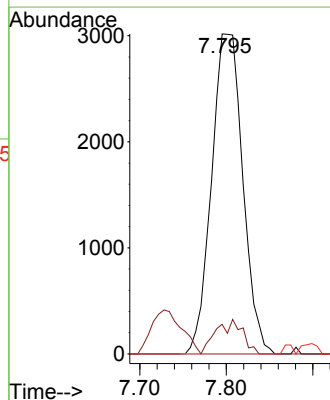
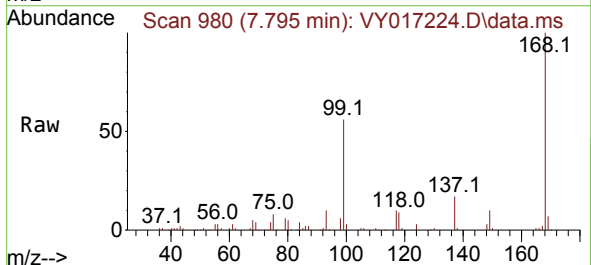
Instrument :
MSVOA_Y
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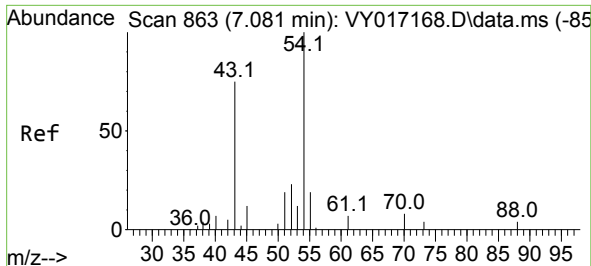
Tgt Ion:113 Resp: 43171
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 18.6 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.116 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 75 Resp: 7565
Ion Ratio Lower Upper
75 100
110 4.7 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.076 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

EB-1-4-6

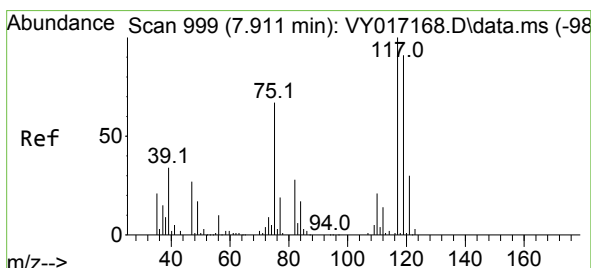
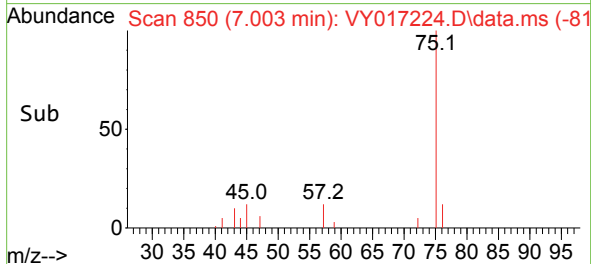
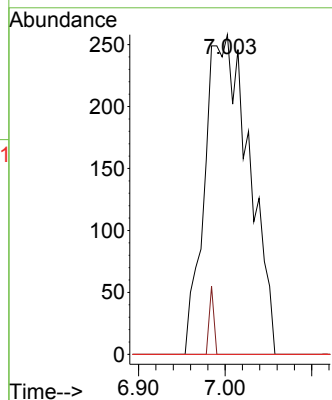
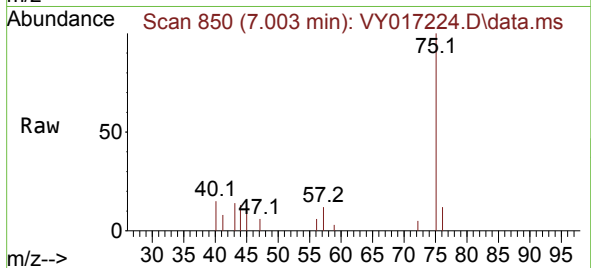
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

61 2.2 11.0 16.6#

70 0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 4.898 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.103 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

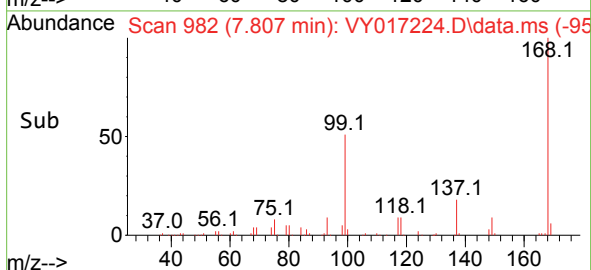
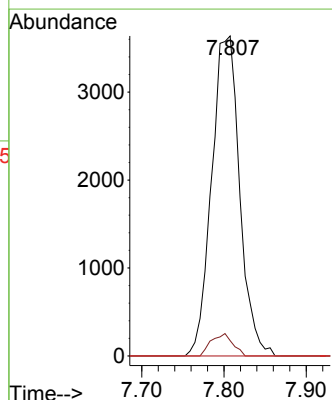
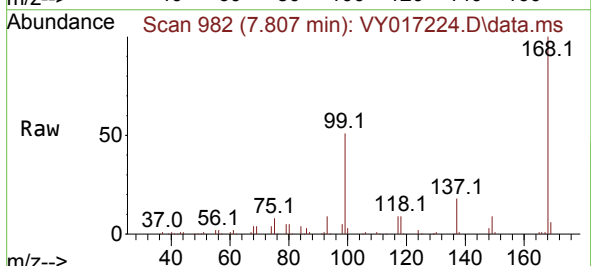
Tgt Ion: 117 Resp: 8620

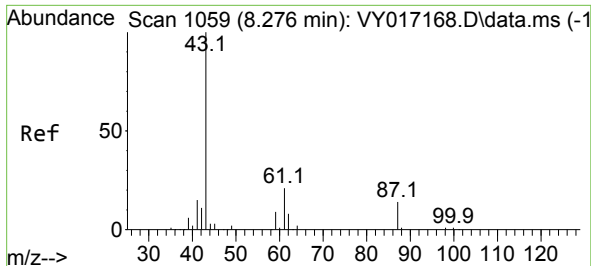
Ion Ratio Lower Upper

117 100

119 4.8 76.0 114.0#

121 0.0 24.2 36.2#

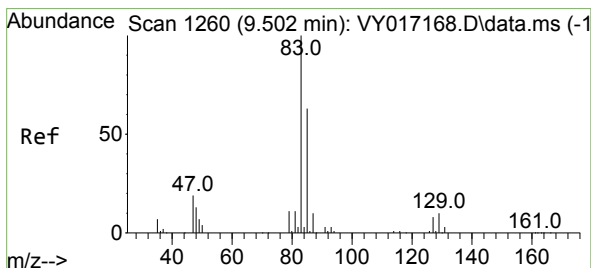
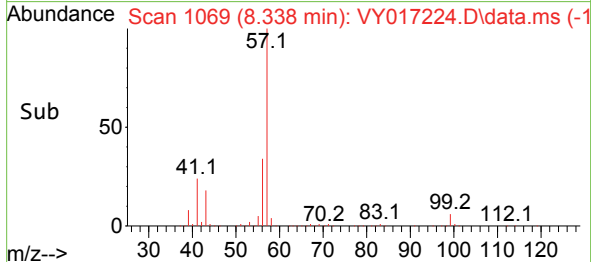
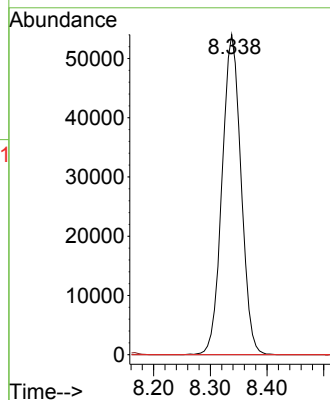
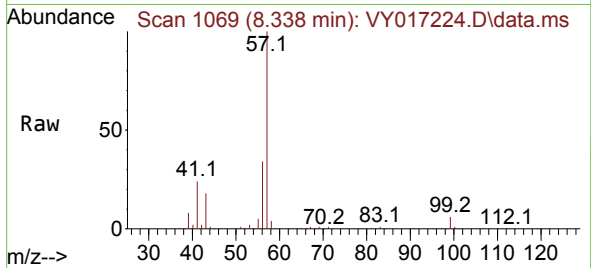




#43
Isopropyl Acetate
Concen: 83.112 ug/l
RT: 8.338 min Scan# 1069
Delta R.T. 0.061 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

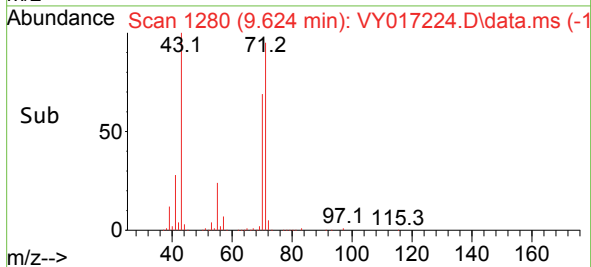
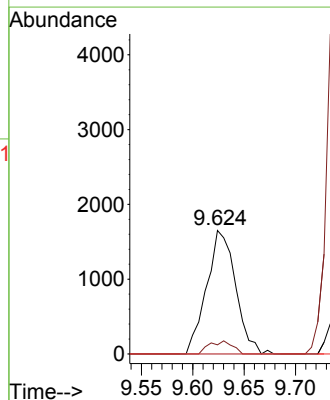
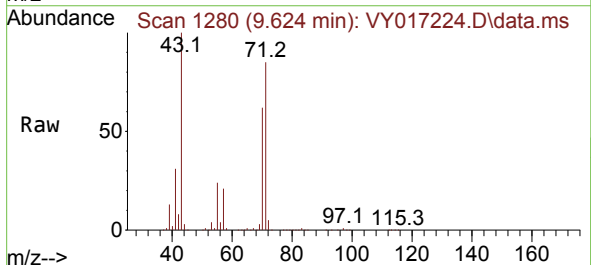
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

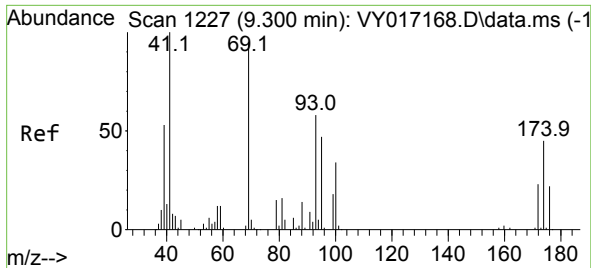
Tgt Ion: 43 Resp: 125417
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 0.0 10.7 16.1#



#47
Bromodichloromethane
Concen: 1.863 ug/l
RT: 9.624 min Scan# 1280
Delta R.T. 0.122 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 83 Resp: 3247
Ion Ratio Lower Upper
83 100
85 7.4 53.2 79.8#
127 0.0 6.4 9.6#

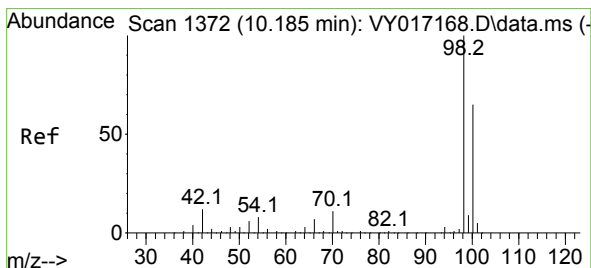
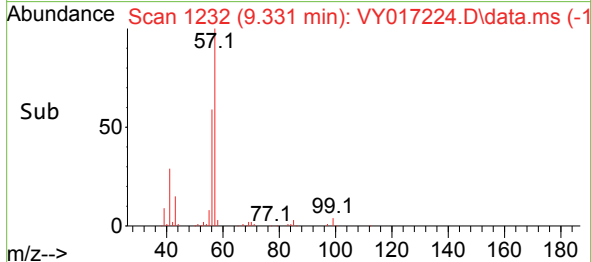
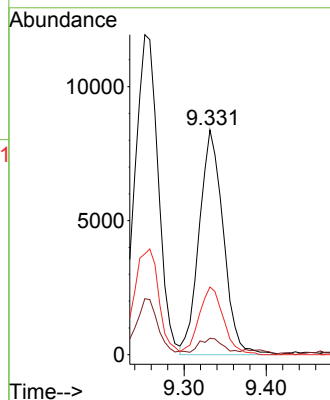
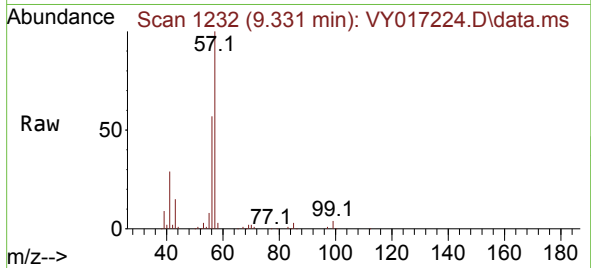




#48
Methyl methacrylate
Concen: 24.159 ug/l
RT: 9.331 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

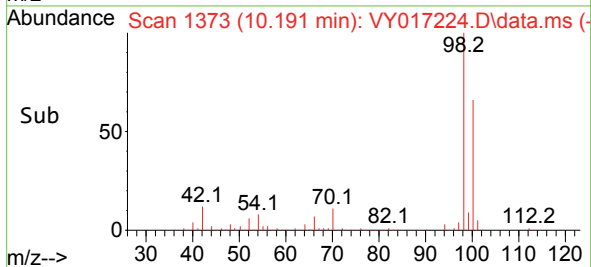
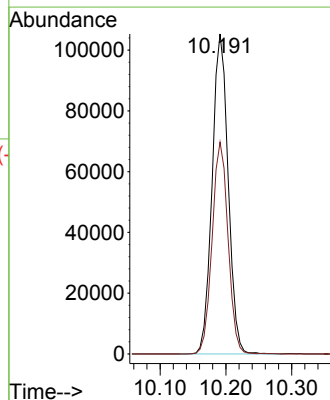
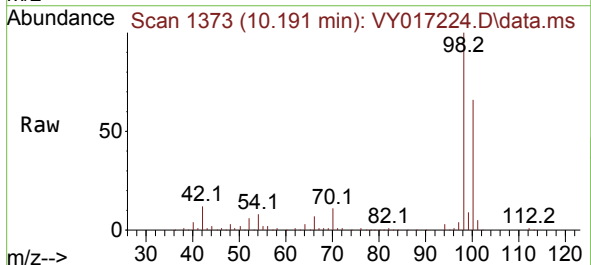
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

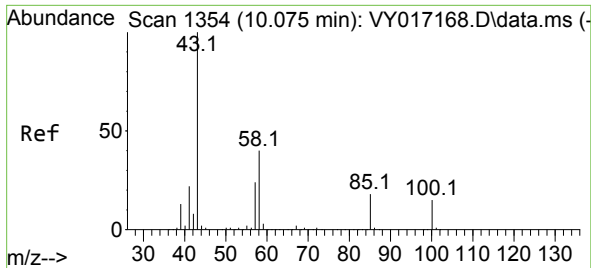
Tgt Ion: 41 Resp: 17100
Ion Ratio Lower Upper
41 100
69 6.8 72.1 108.1#
39 30.7 42.8 64.2#



#50
Toluene-d8
Concen: 46.040 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.007 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 98 Resp: 178611
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5

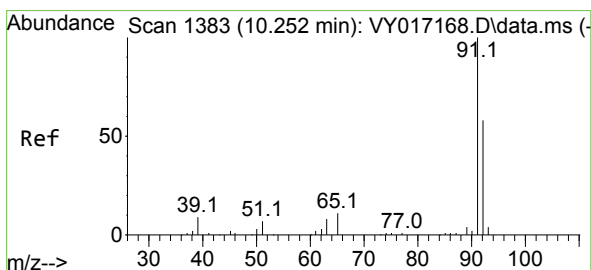
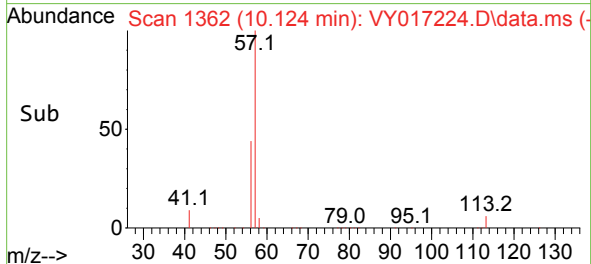
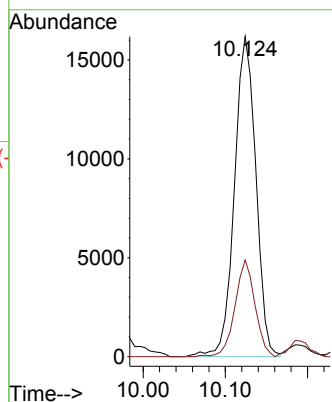
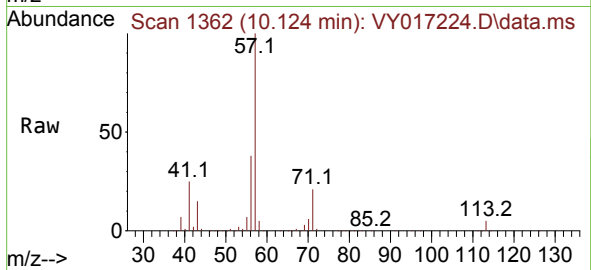




#51
4-Methyl-2-Pentanone
Concen: 36.318 ug/l
RT: 10.124 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

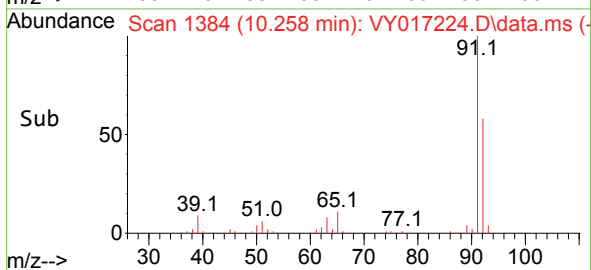
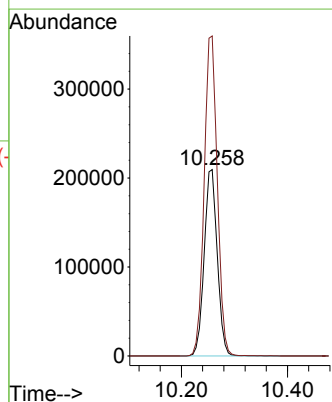
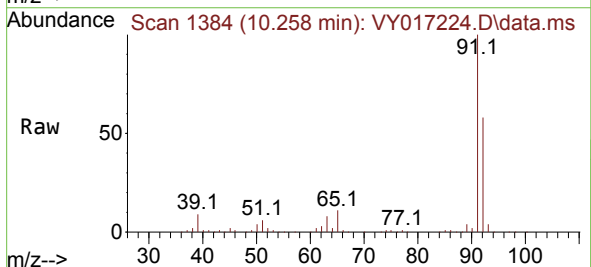
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

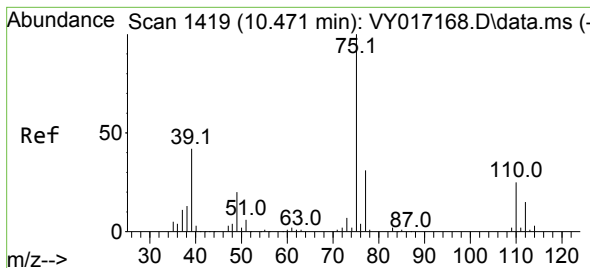
Tgt Ion: 43 Resp: 29378
Ion Ratio Lower Upper
43 100
58 28.1 32.2 48.2#



#52
Toluene
Concen: 113.008 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 92 Resp: 358020
Ion Ratio Lower Upper
92 100
91 172.5 137.6 206.4

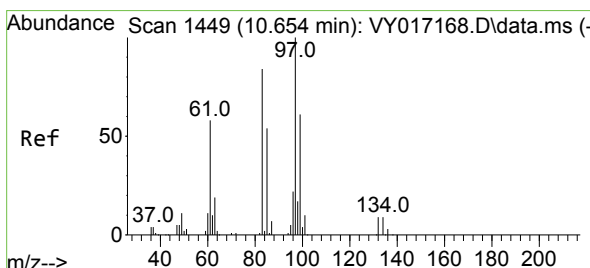
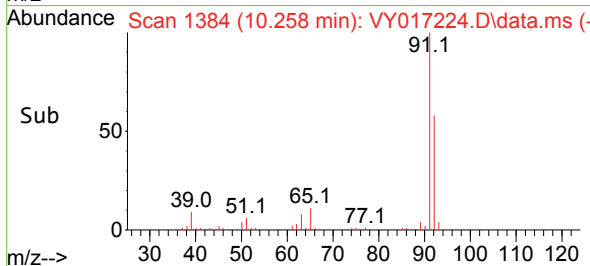
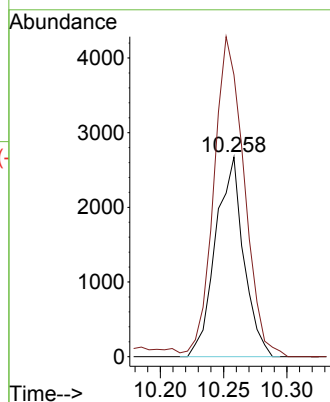
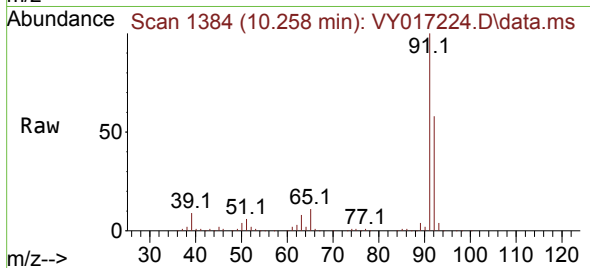




#53
t-1,3-Dichloropropene
Concen: 2.522 ug/l
RT: 10.258 min Scan# 11
Delta R.T. -0.213 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

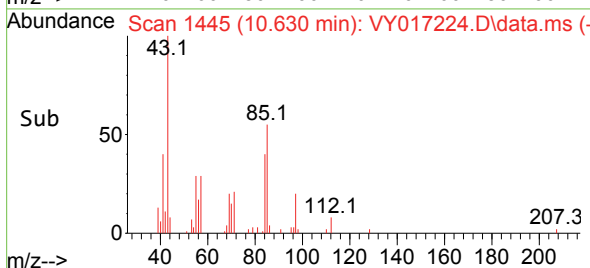
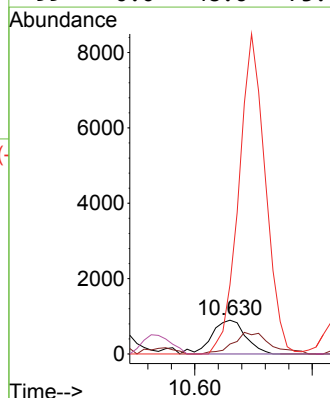
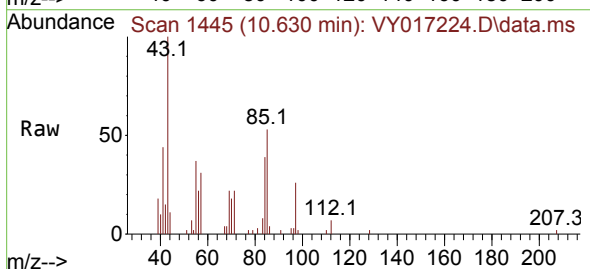
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

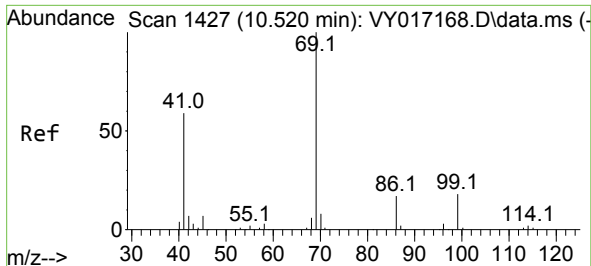
Tgt Ion: 75 Resp: 4129
Ion Ratio Lower Upper
75 100
77 139.2 24.6 36.8#



#55
1,1,2-Trichloroethane
Concen: 1.894 ug/l
RT: 10.630 min Scan# 1445
Delta R.T. -0.024 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 97 Resp: 1795
Ion Ratio Lower Upper
97 100
83 20.9 69.4 104.2#
85 205.0 43.9 65.9#
99 0.0 48.6 73.0#

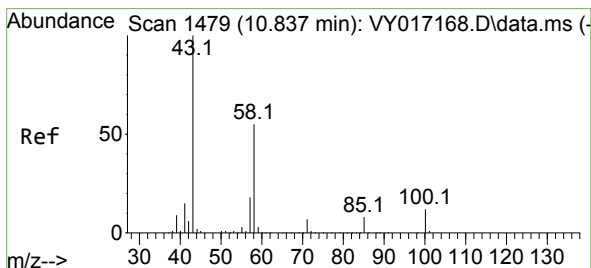
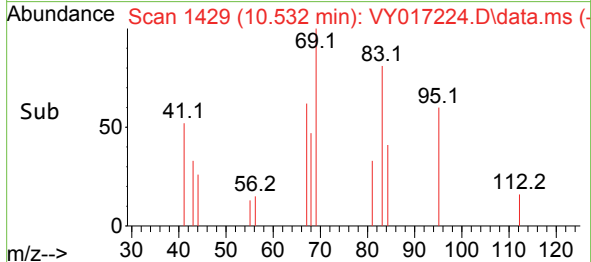
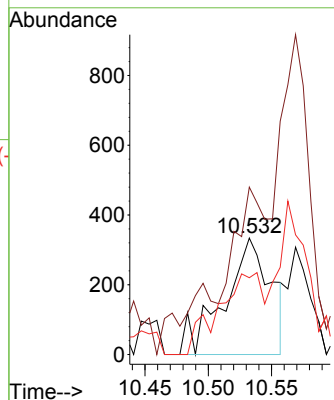
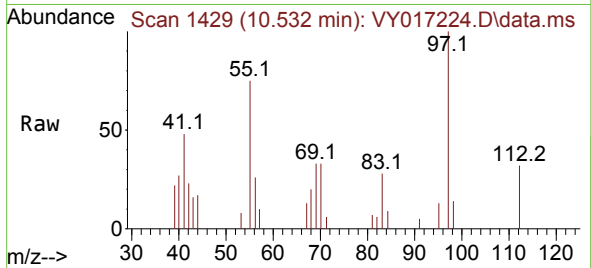




#56
Ethyl methacrylate
Concen: 3.633 ug/l
RT: 10.532 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

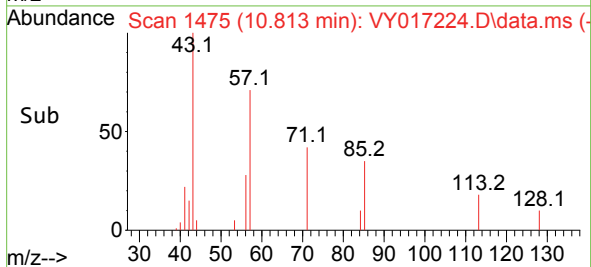
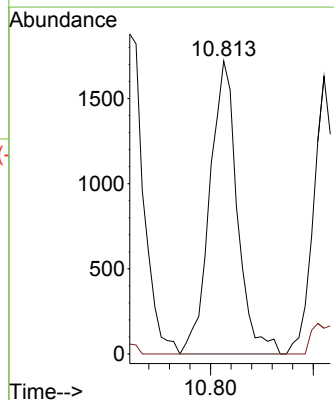
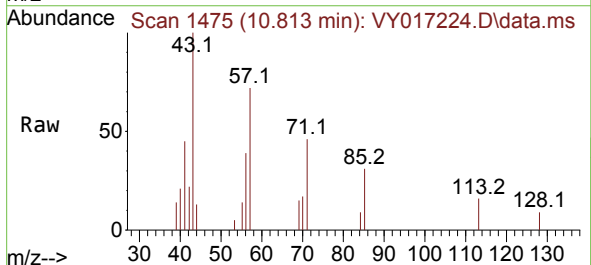
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

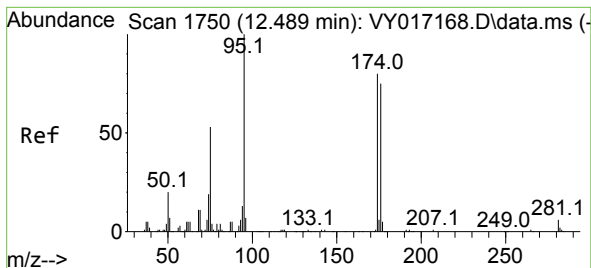
Tgt Ion: 69 Resp: 853
Ion Ratio Lower Upper
69 100
41 56.7 49.2 73.8
39 0.0 26.8 40.2#



#59
2-Hexanone
Concen: 5.479 ug/l
RT: 10.813 min Scan# 1475
Delta R.T. -0.024 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 43 Resp: 3205
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

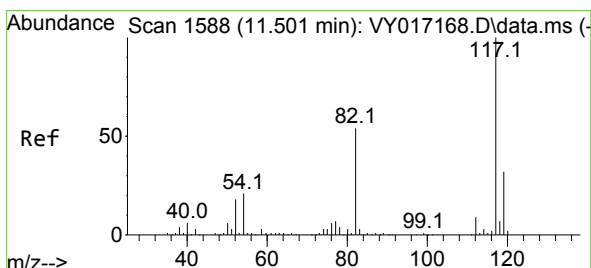
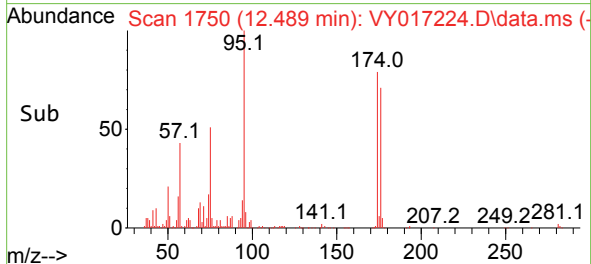
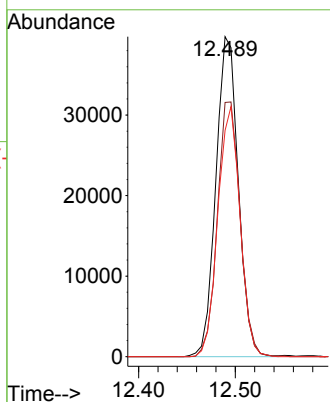
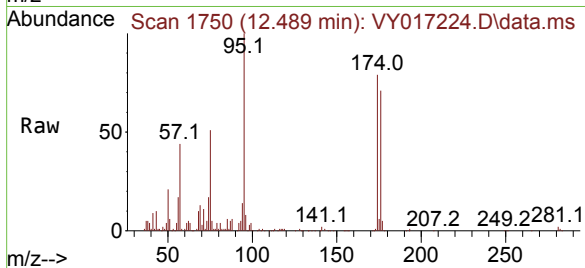




#62
4-Bromofluorobenzene
Concen: 50.270 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

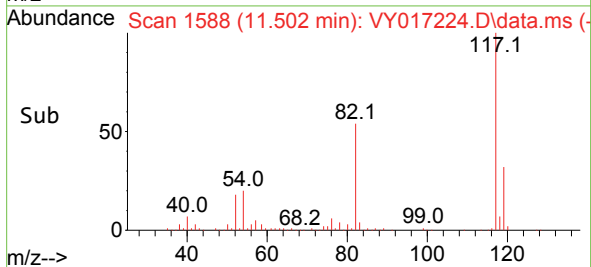
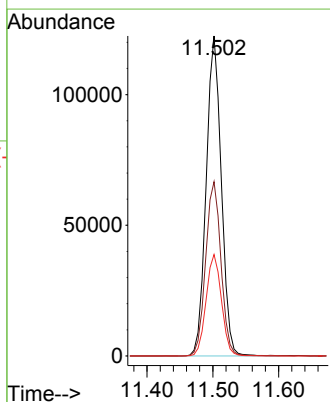
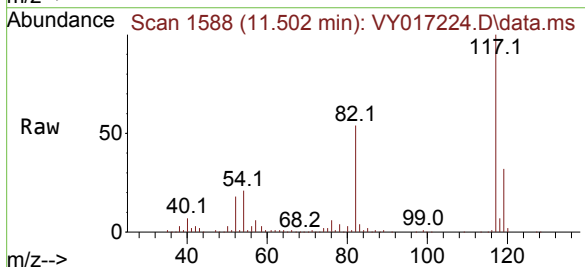
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

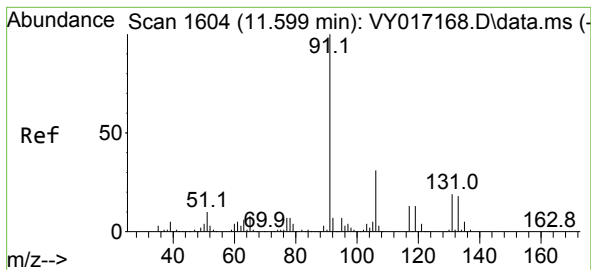
Tgt Ion: 95 Resp: 63885
Ion Ratio Lower Upper
95 100
174 80.7 0.0 160.0
176 77.1 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 117 Resp: 195784
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 31.7 26.5 39.7





#67

Ethyl Benzene

Concen: 2.284 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.007 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

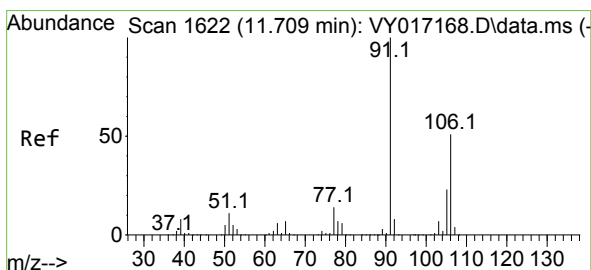
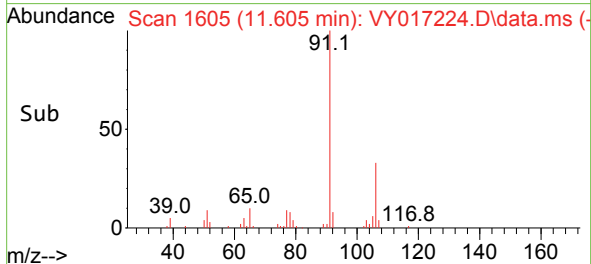
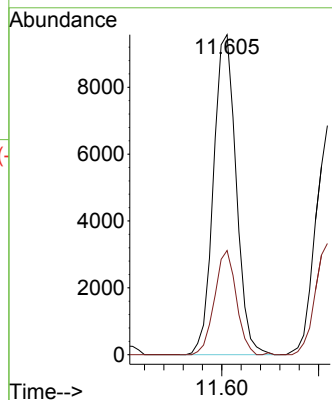
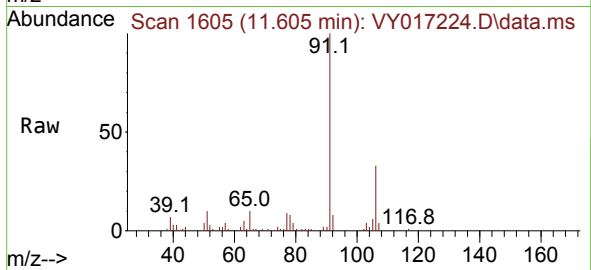
EB-1-4-6

Tgt Ion: 91 Resp: 15592

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4



#68

m/p-Xylenes

Concen: 2.527 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017224.D

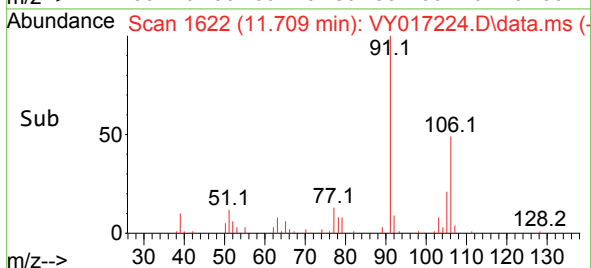
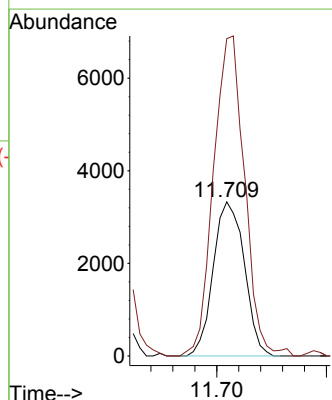
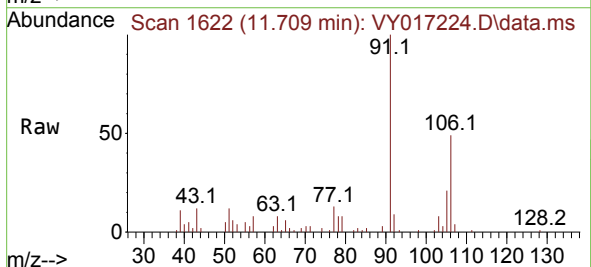
Acq: 05 Feb 2024 13:19

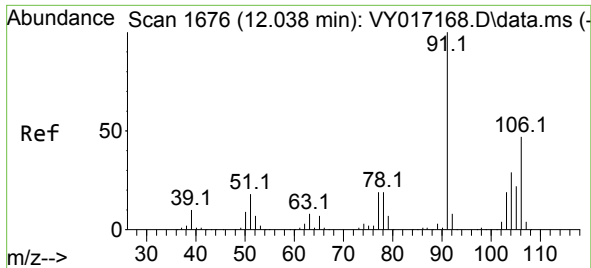
Tgt Ion: 106 Resp: 6546

Ion Ratio Lower Upper

106 100

91 207.5 160.7 241.1

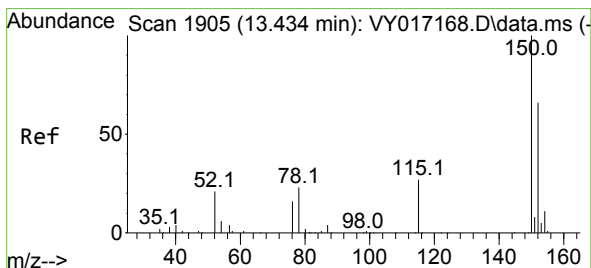
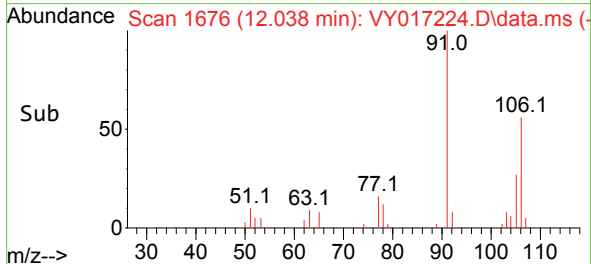
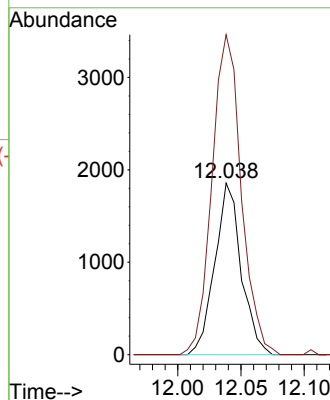
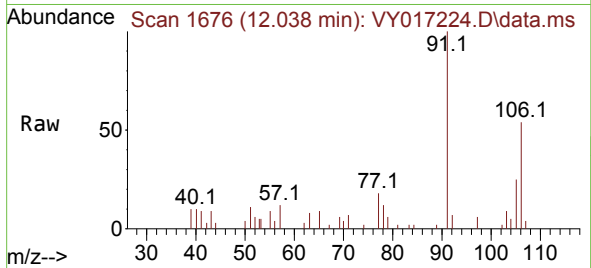




#69
o-Xylene
Concen: 1.130 ug/l
RT: 12.038 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

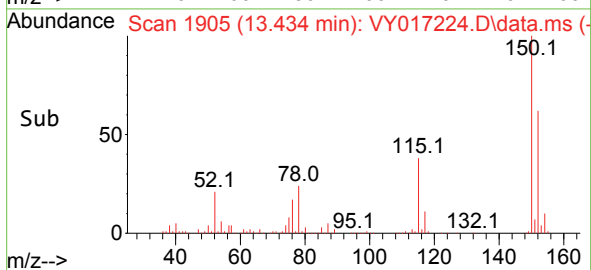
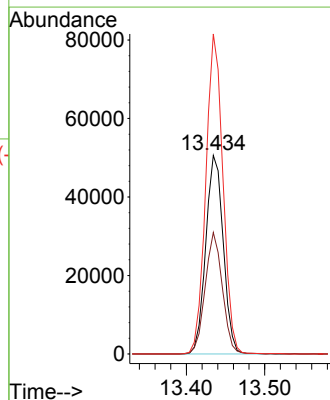
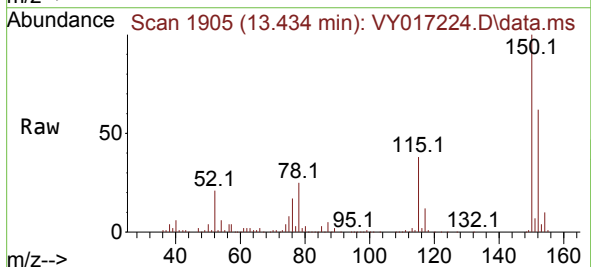
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

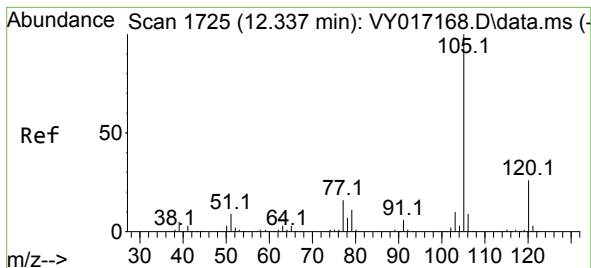
Tgt Ion:106 Resp: 2696
Ion Ratio Lower Upper
106 100
91 206.8 106.5 319.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion:152 Resp: 78370
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.0
150 157.4 0.0 344.6





#73

Isopropylbenzene

Concen: 1.221 ug/l

RT: 12.337 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

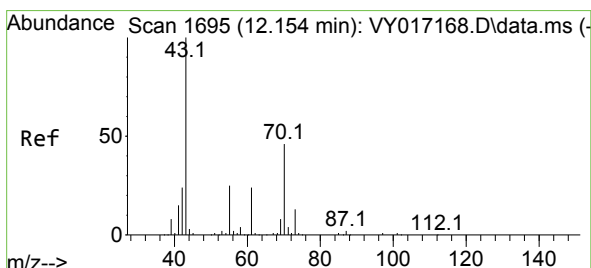
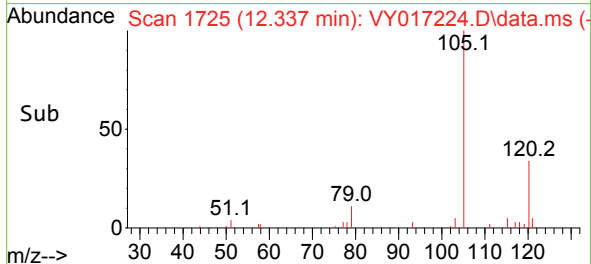
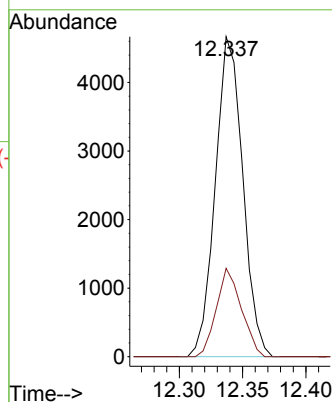
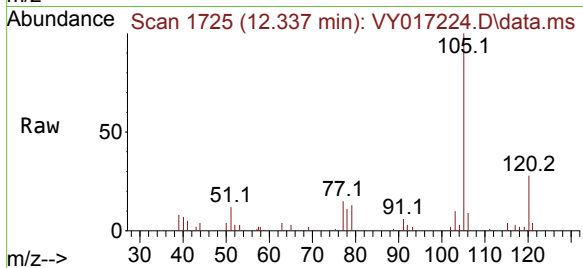
EB-1-4-6

Tgt Ion:105 Resp: 7029

Ion Ratio Lower Upper

105 100

120 25.2 13.0 39.0



#74

N-ethyl acetate

Concen: 2.646 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.030 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Tgt Ion: 43 Resp: 3423

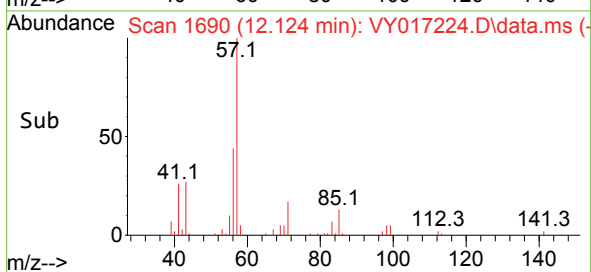
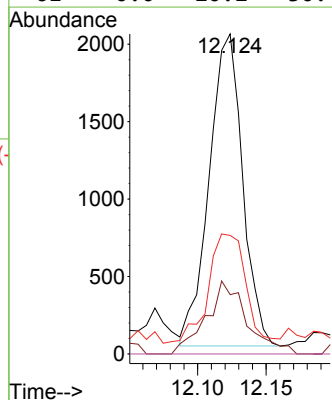
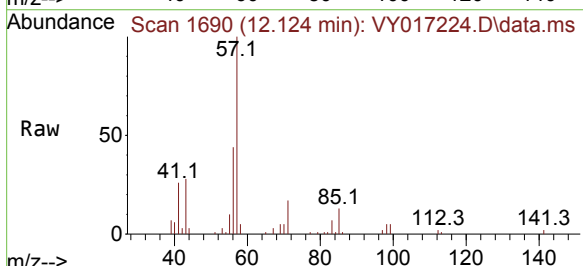
Ion Ratio Lower Upper

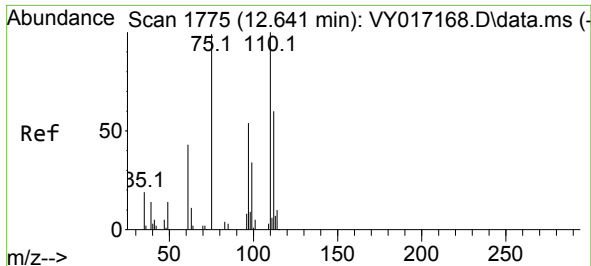
43 100

70 28.3 36.6 55.0#

55 37.5 22.2 33.4#

61 0.0 20.2 30.4#

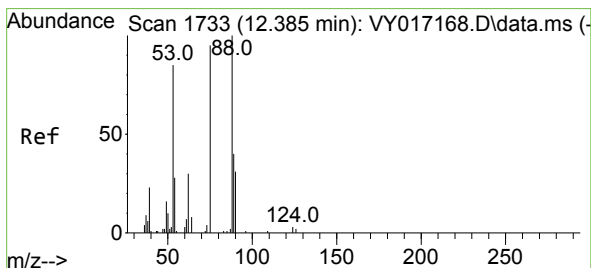
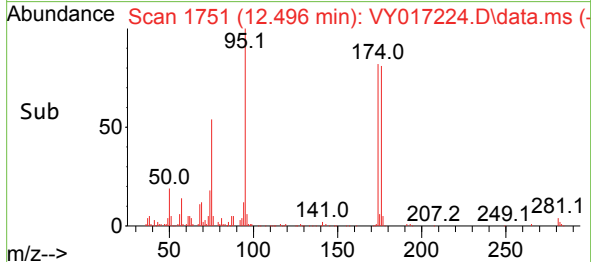
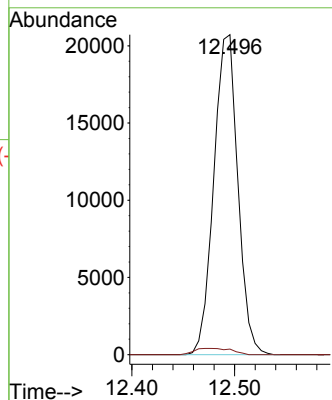
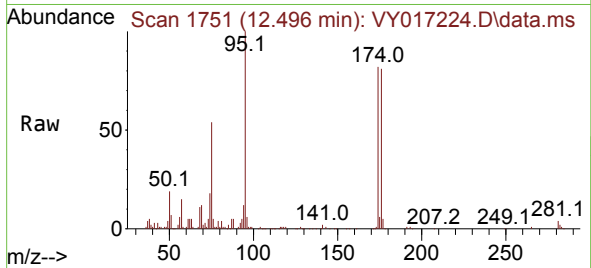




#76
1,2,3-Trichloropropane
Concen: 46.527 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

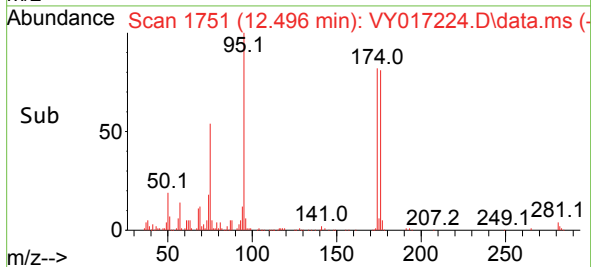
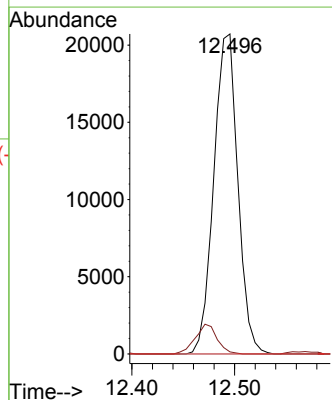
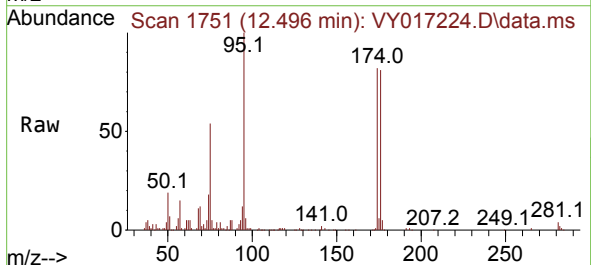
Instrument :
MSVOA_Y
ClientSampleId :
EB-1-4-6

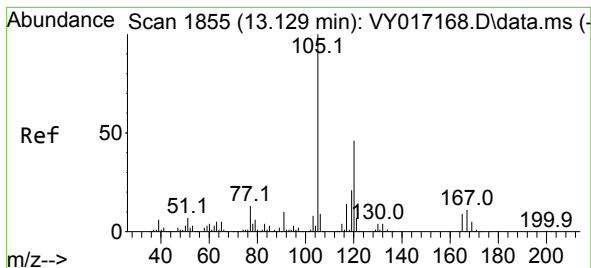
Tgt Ion: 75 Resp: 33655
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 96.677 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017224.D
Acq: 05 Feb 2024 13:19

Tgt Ion: 75 Resp: 33655
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 2.830 ug/l

RT: 13.130 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Instrument :

MSVOA_Y

ClientSampleId :

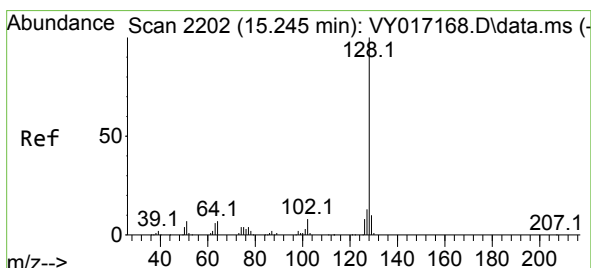
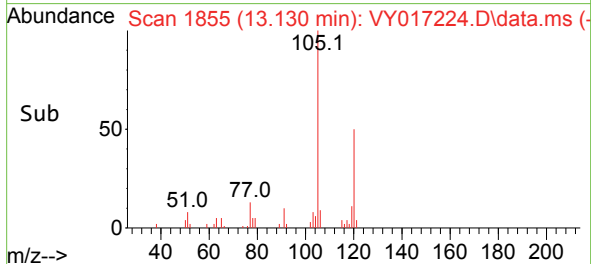
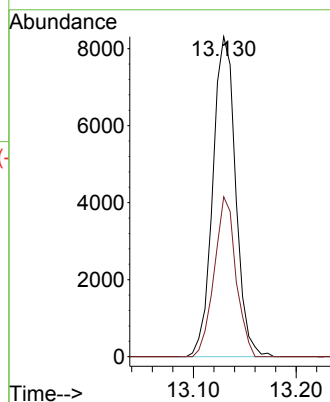
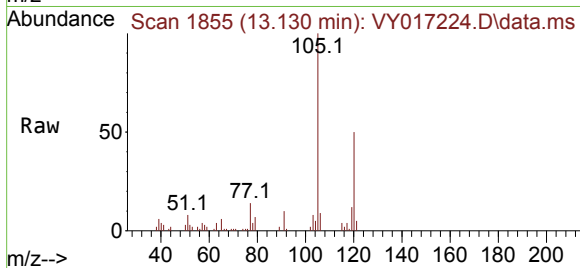
EB-1-4-6

Tgt Ion:105 Resp: 12792

Ion Ratio Lower Upper

105 100

120 47.5 22.1 66.3



#95

Naphthalene

Concen: 4.267 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY017224.D

Acq: 05 Feb 2024 13:19

Tgt Ion:128 Resp: 1874

Ion Ratio Lower Upper

128 100

127 24.9 10.2 15.4#

129 8.2 8.6 12.8#

