

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017225.D
 Acq On : 05 Feb 2024 13:43
 Operator : SY/MD
 Sample : P1367-01
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-6-0-2

Quant Time: Feb 06 00:58:53 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)

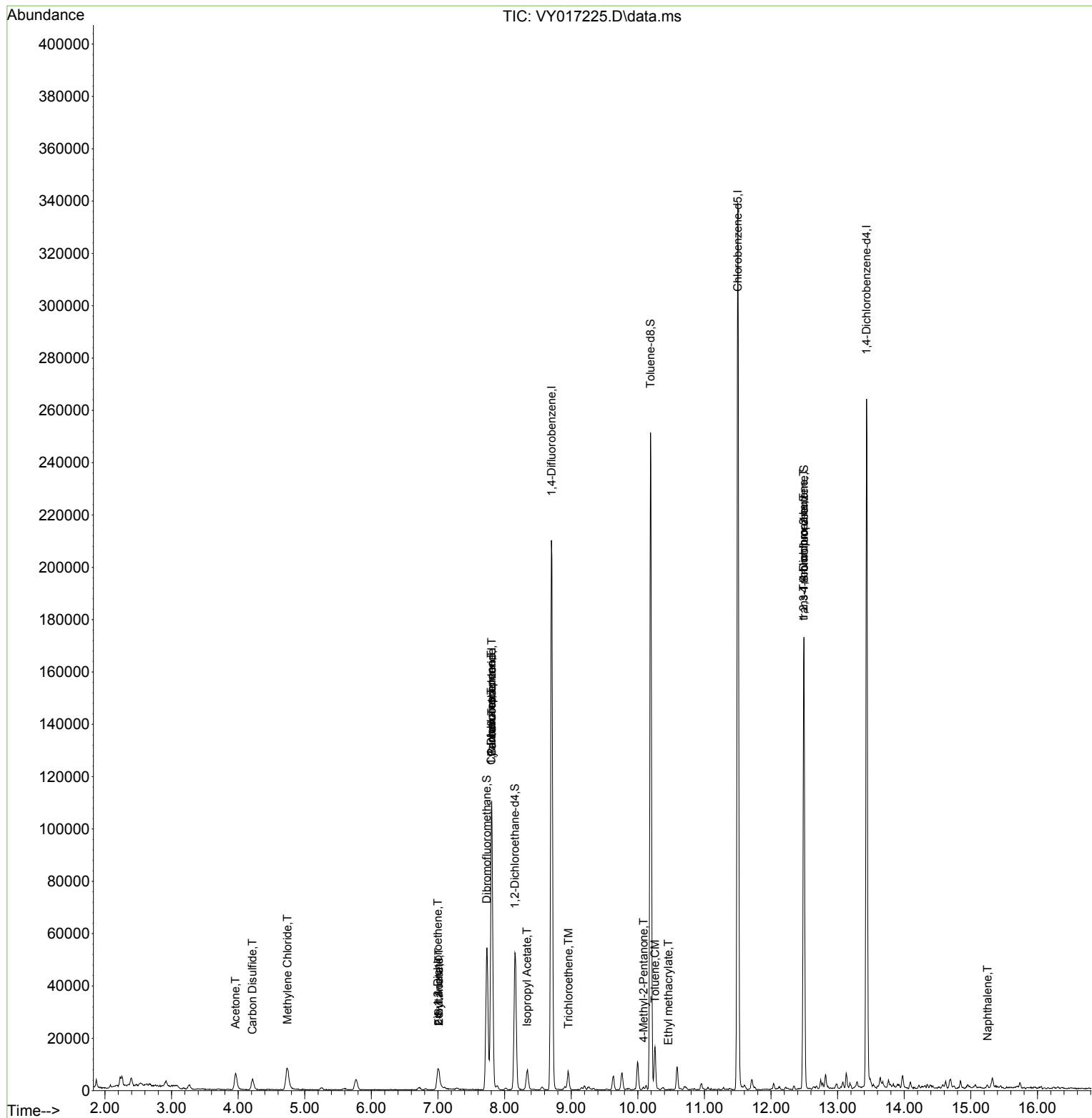
Internal Standards						
1) Pentafluorobenzene	7.807	168	84216	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	182249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	181272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	65472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	41071	54.591	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.180%	
35) Dibromofluoromethane	7.734	113	39291	39.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.860%	
50) Toluene-d8	10.191	98	163449	45.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.240%	
62) 4-Bromofluorobenzene	12.495	95	51864	44.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	178	Below Cal	#	75
16) Acetone	3.960	43	10947	49.507	ug/l	99
17) Carbon Disulfide	4.216	76	4845	1.859	ug/l	99
20) Methylene Chloride	4.741	84	6353	3.776	ug/l	96
25) 2-Butanone	7.015	43	2915	9.917	ug/l	94
27) cis-1,2-Dichloroethene	6.996	96	1843	1.774	ug/l	91
31) Cyclohexane	7.801	56	2195	1.447	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	7043	4.149	ug/l #	49
37) Ethyl Acetate	7.015	43	2915	3.703	ug/l #	1
38) Carbon Tetrachloride	7.807	117	8741	5.378	ug/l #	17
43) Isopropyl Acetate	8.338	43	1511	1.084	ug/l #	51
44) Trichloroethene	8.959	130	2303	1.872	ug/l	97
51) 4-Methyl-2-Pentanone	10.087	43	771	1.032	ug/l #	70
52) Toluene	10.258	92	6472	2.212	ug/l	98
56) Ethyl methacrylate	10.459	69	19	3.020	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	27628	45.719	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	27628	94.999	ug/l #	12
95) Naphthalene	15.251	128	1284	4.115	ug/l #	96

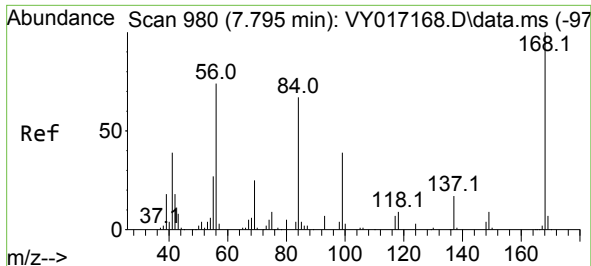
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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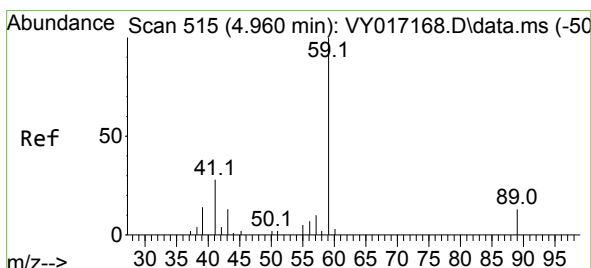
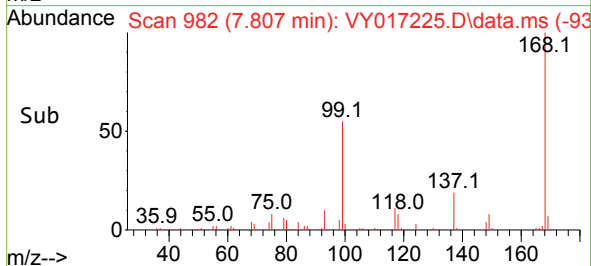
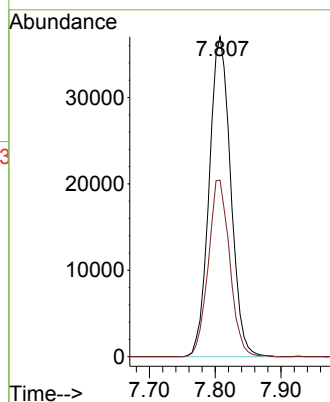
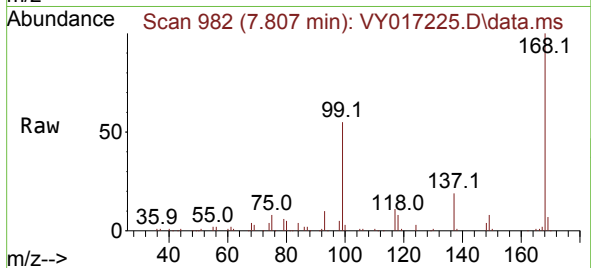




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

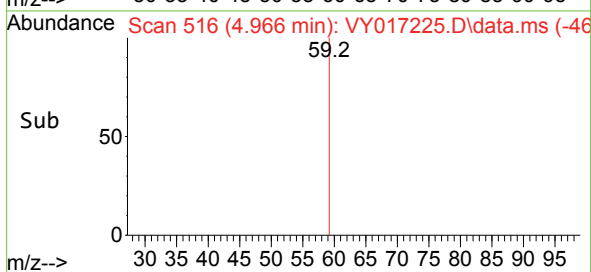
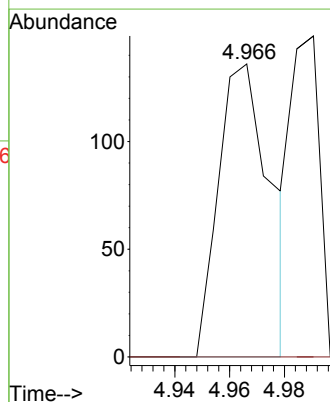
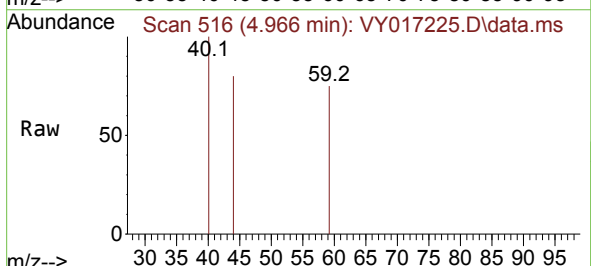
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

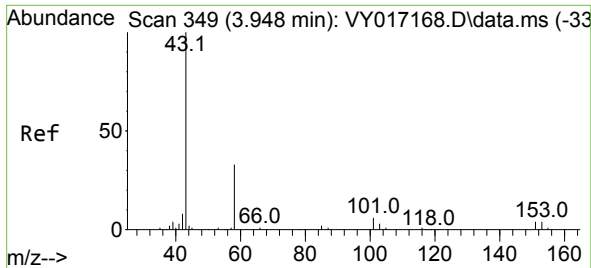
Tgt Ion:168 Resp: 84216
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

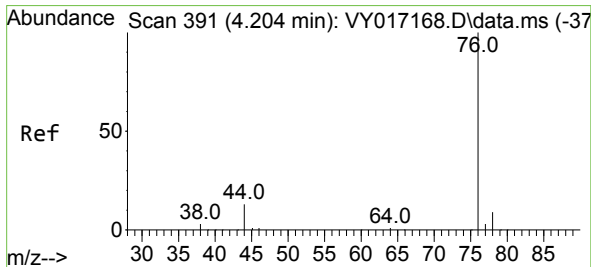
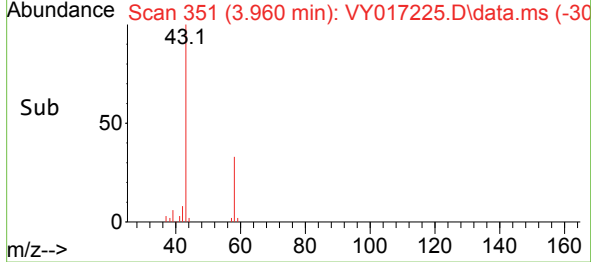
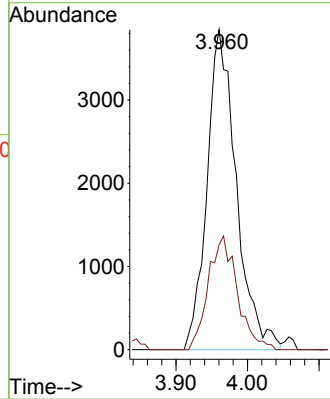
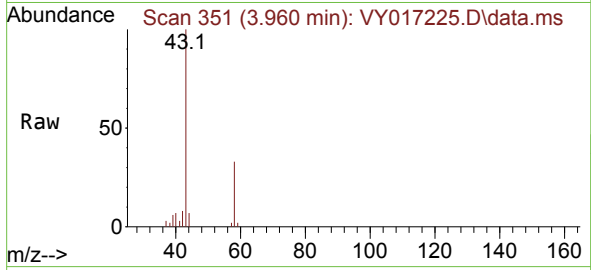




#16
Acetone
Concen: 49.507 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

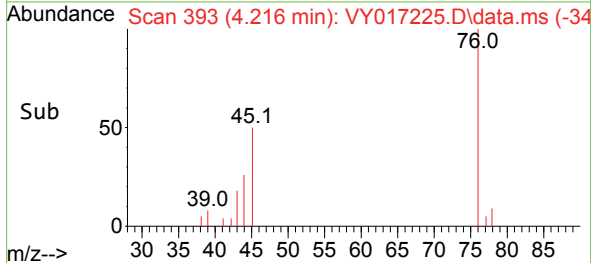
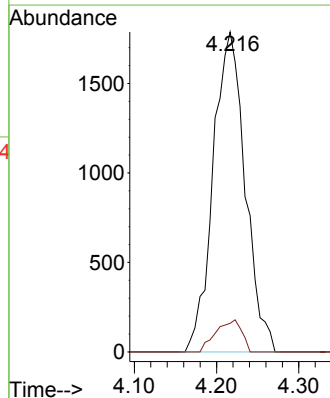
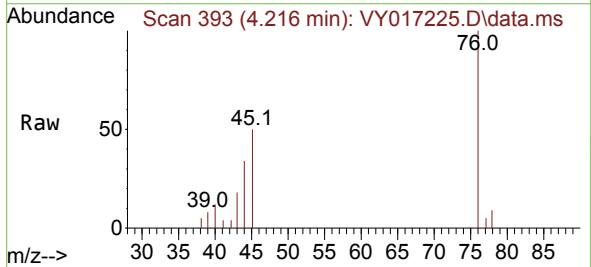
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

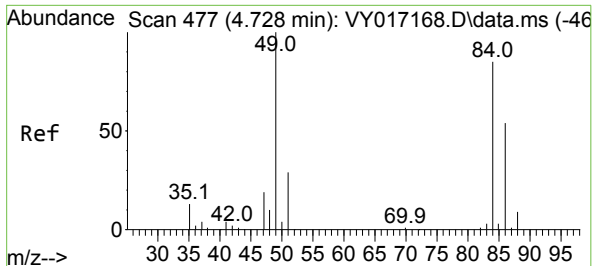
Tgt Ion: 43 Resp: 10947
Ion Ratio Lower Upper
43 100
58 32.8 26.6 39.8



#17
Carbon Disulfide
Concen: 1.859 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.012 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 76 Resp: 4845
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





#20

Methylene Chloride

Concen: 3.776 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

EB-6-0-2

Tgt Ion: 84 Resp: 6353

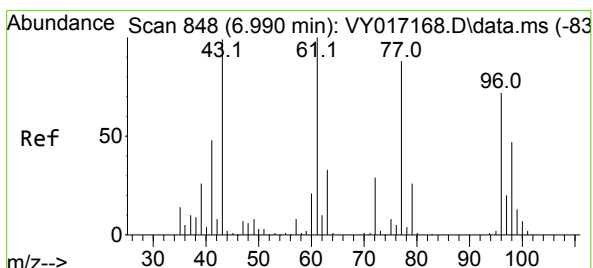
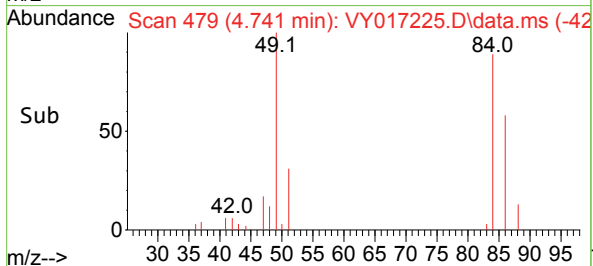
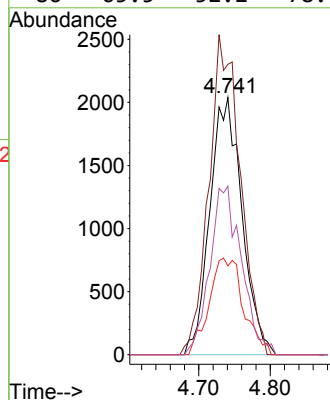
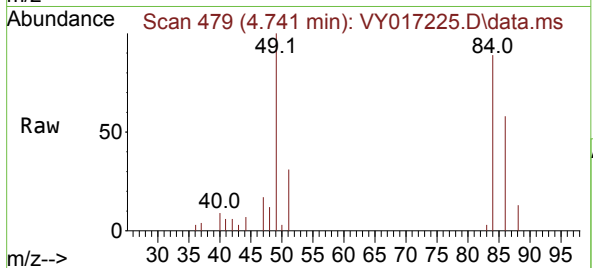
Ion Ratio Lower Upper

84 100

49 112.9 95.2 142.8

51 34.5 29.9 44.9

86 65.5 52.2 78.4



#25

2-Butanone

Concen: 9.917 ug/l

RT: 7.015 min Scan# 852

Delta R.T. 0.025 min

Lab File: VY017225.D

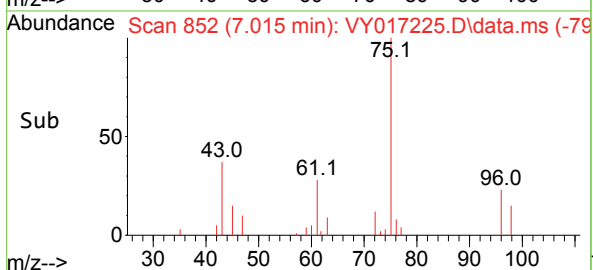
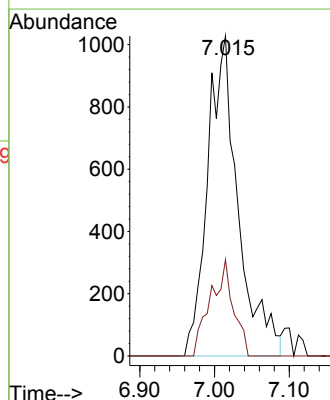
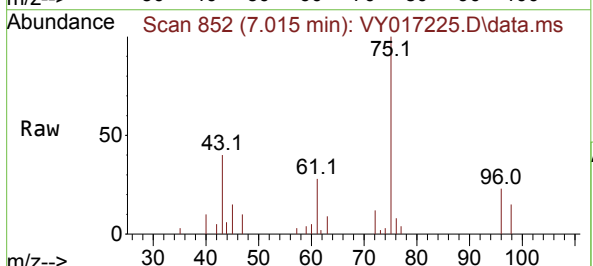
Acq: 05 Feb 2024 13:43

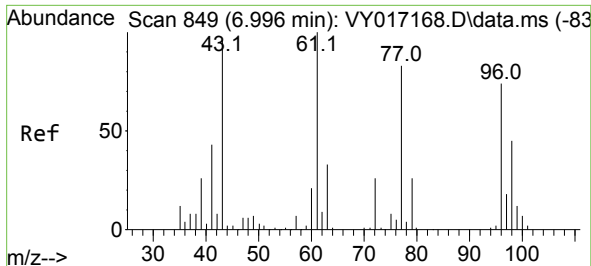
Tgt Ion: 43 Resp: 2915

Ion Ratio Lower Upper

43 100

72 30.2 21.4 32.2

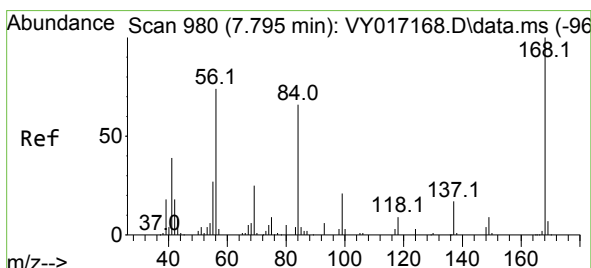
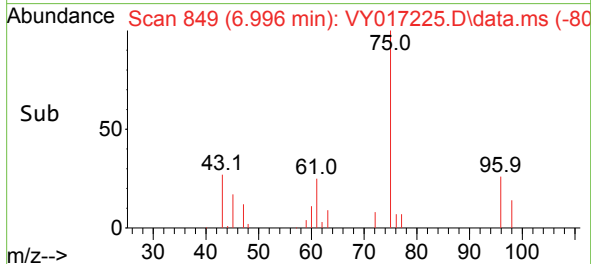
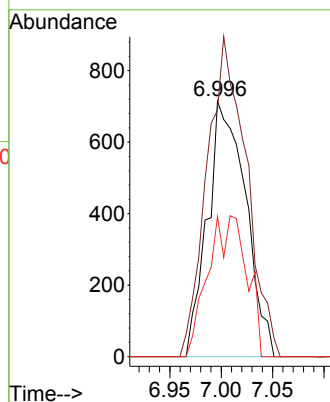
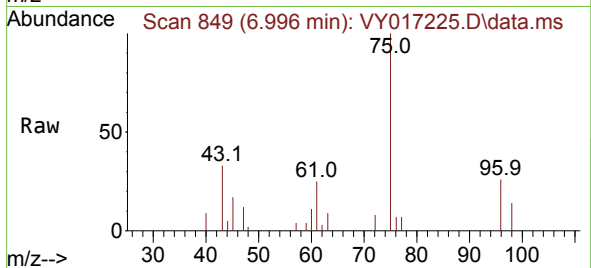




#27
cis-1,2-Dichloroethene
Concen: 1.774 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

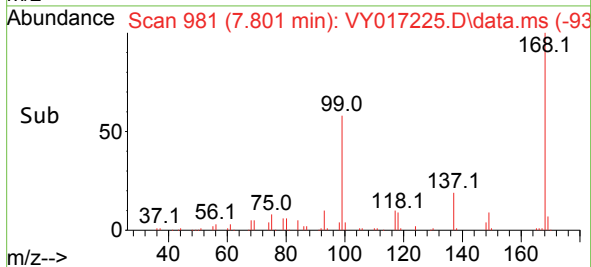
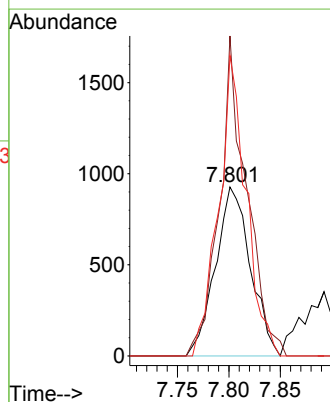
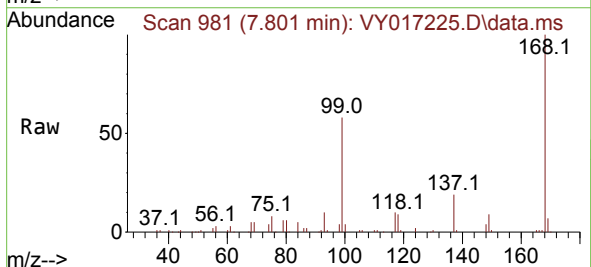
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

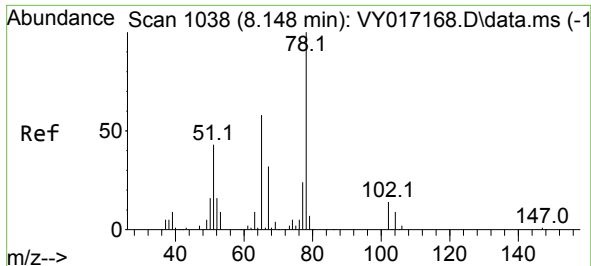
Tgt Ion: 96	Resp: 1843
Ion Ratio	Lower Upper
96 100	
61 128.6	0.0 278.8
98 56.2	0.0 127.0



#31
Cyclohexane
Concen: 1.447 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 56	Resp: 2195
Ion Ratio	Lower Upper
56 100	
69 189.4	27.0 40.6#
84 177.9	71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 54.591 ug/l

RT: 8.155 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

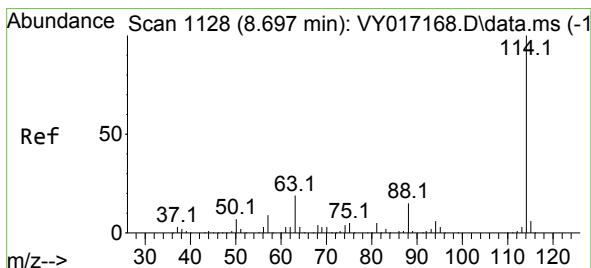
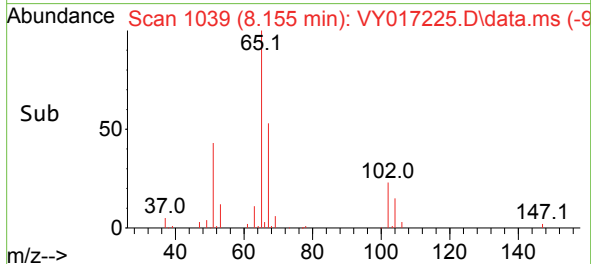
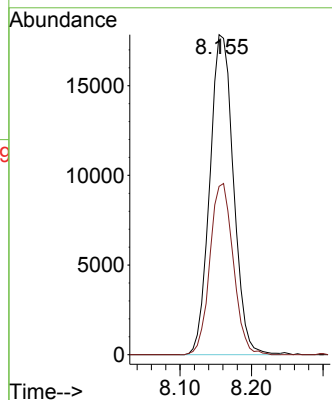
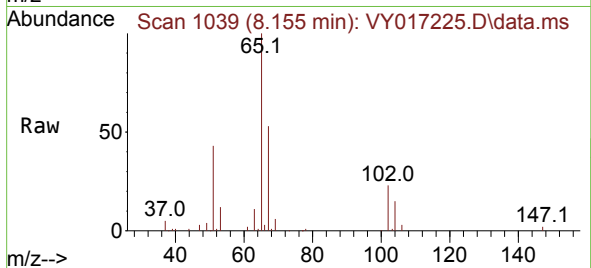
EB-6-0-2

Tgt Ion: 65 Resp: 41071

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

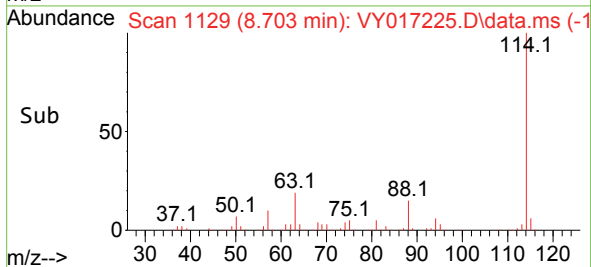
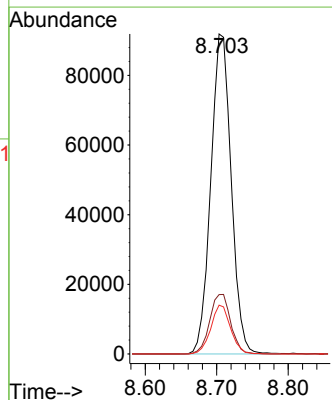
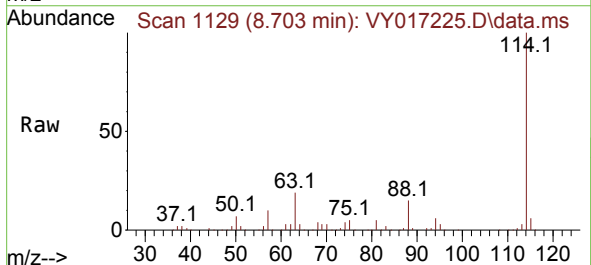
Tgt Ion: 114 Resp: 182249

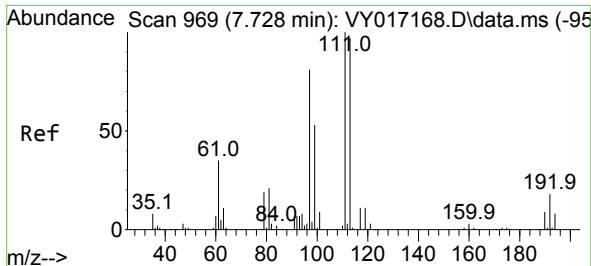
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 15.3 0.0 29.0

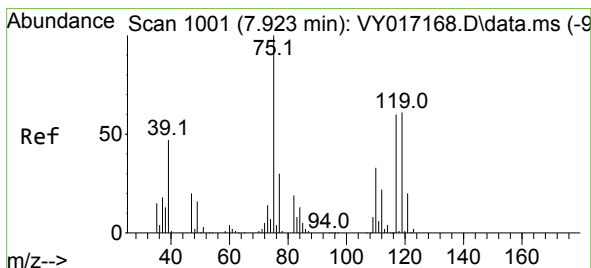
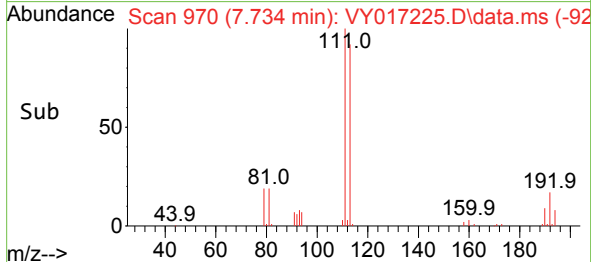
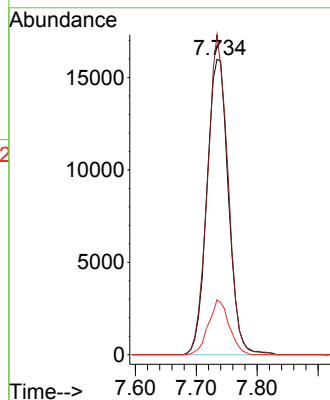
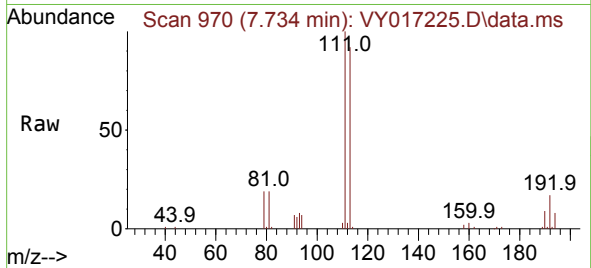




#35
Dibromofluoromethane
Concen: 39.929 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

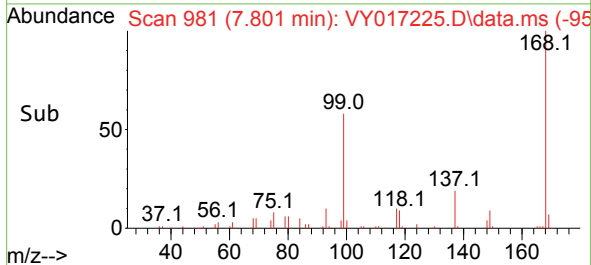
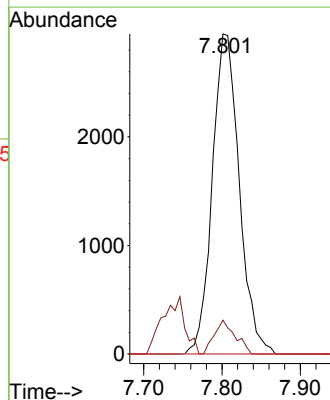
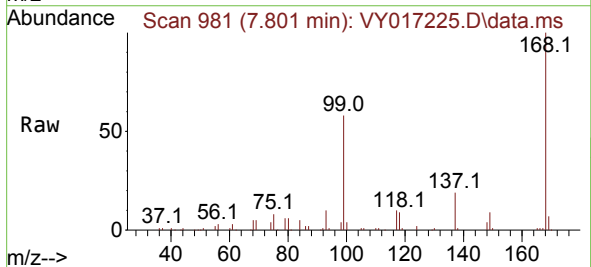
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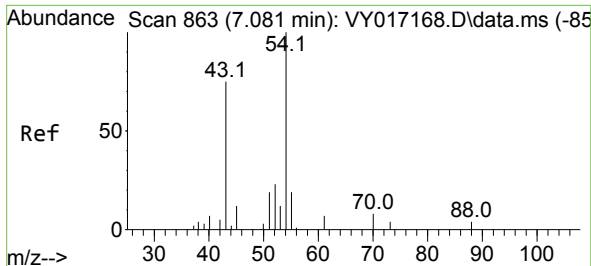
Tgt Ion:113 Resp: 39291
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 17.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.149 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 75 Resp: 7043
Ion Ratio Lower Upper
75 100
110 8.2 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 3.703 ug/l

RT: 7.015 min Scan# 81

Delta R.T. -0.067 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

EB-6-0-2

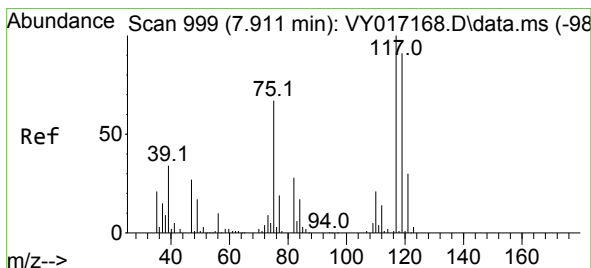
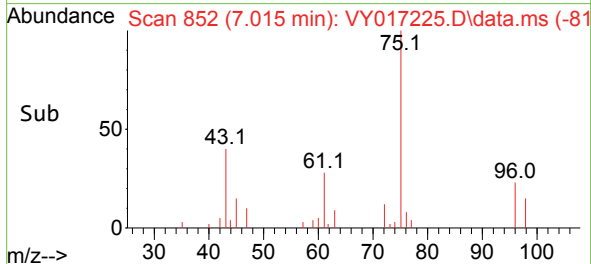
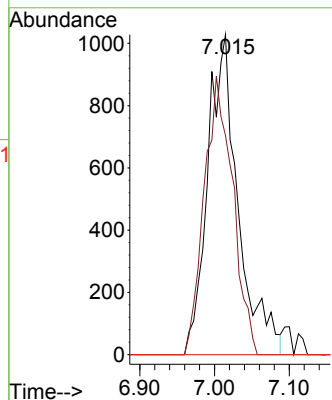
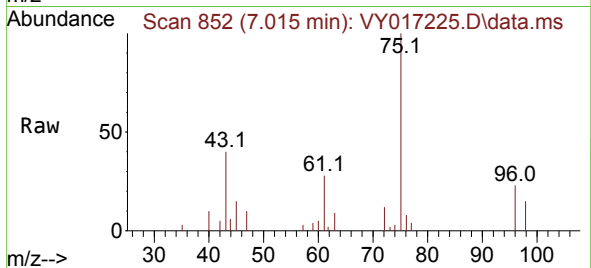
Tgt Ion: 43 Resp: 2915

Ion Ratio Lower Upper

43 100

61 81.3 11.0 16.6#

70 0.0 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.103 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

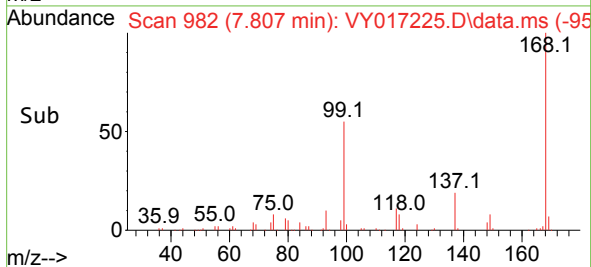
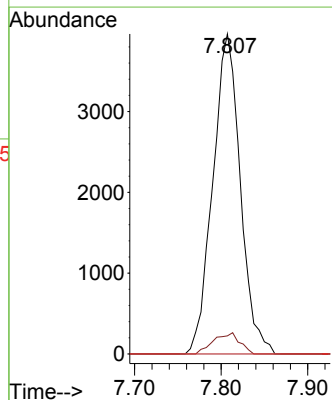
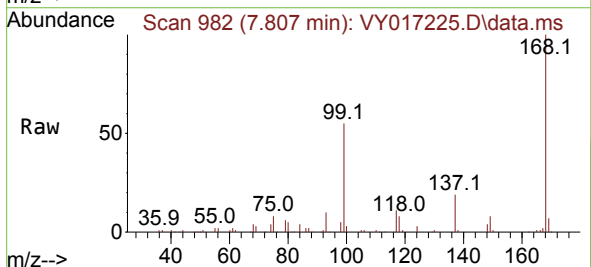
Tgt Ion: 117 Resp: 8741

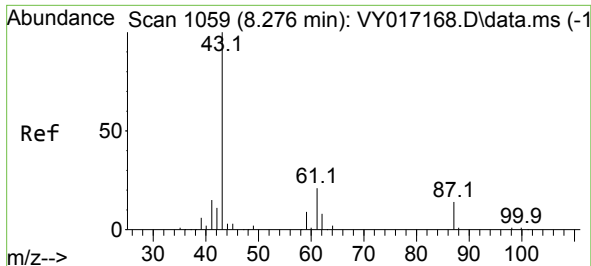
Ion Ratio Lower Upper

117 100

119 5.6 76.0 114.0#

121 0.0 24.2 36.2#

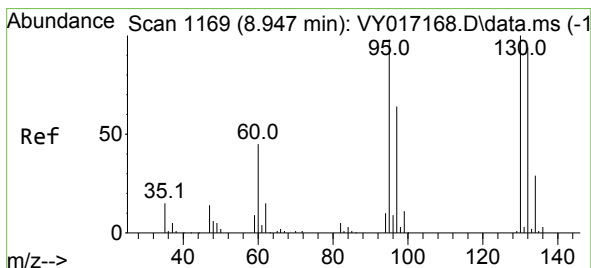
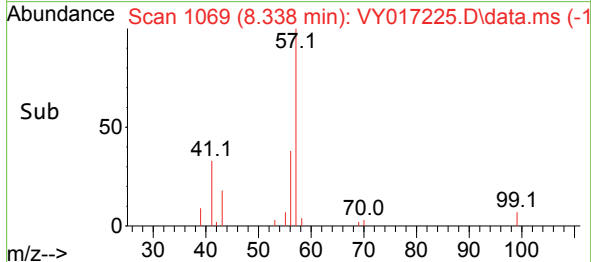
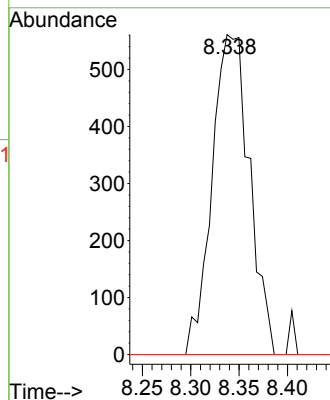
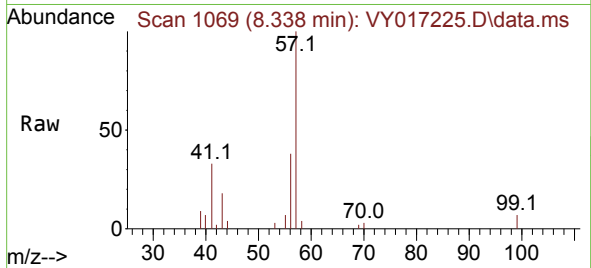




#43
Isopropyl Acetate
Concen: 1.084 ug/l
RT: 8.338 min Scan# 1106
Delta R.T. 0.061 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

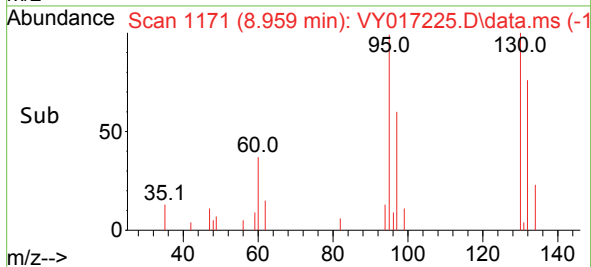
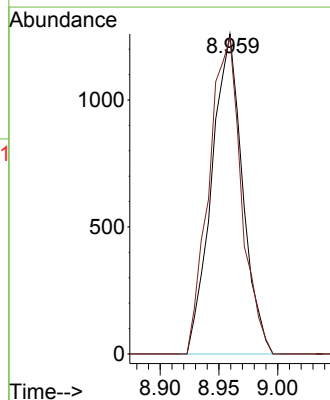
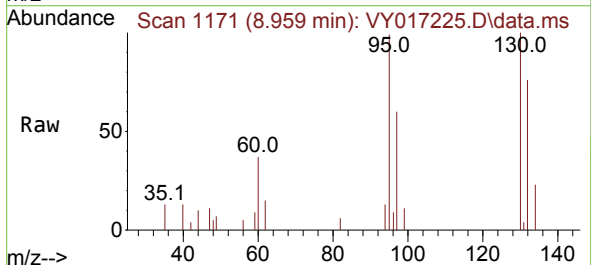
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

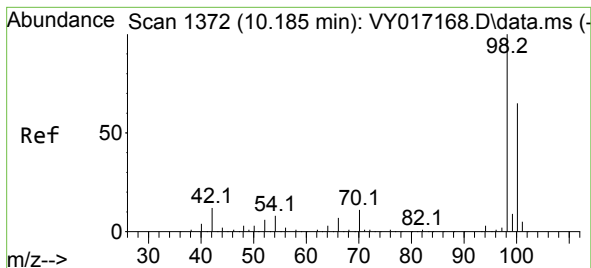
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 0.0 10.7 16.1#



#44
Trichloroethene
Concen: 1.872 ug/l
RT: 8.959 min Scan# 1171
Delta R.T. 0.012 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 130 Resp: 2303
Ion Ratio Lower Upper
130 100
95 98.7 0.0 203.8





#50

Toluene-d8

Concen: 45.621 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017225.D

Acq: 05 Feb 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

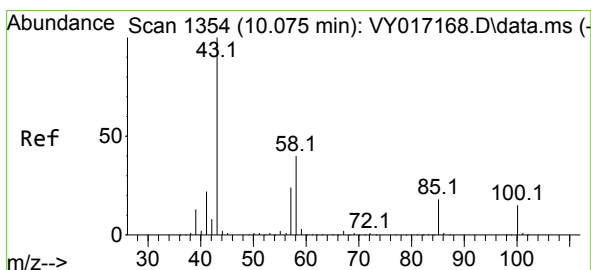
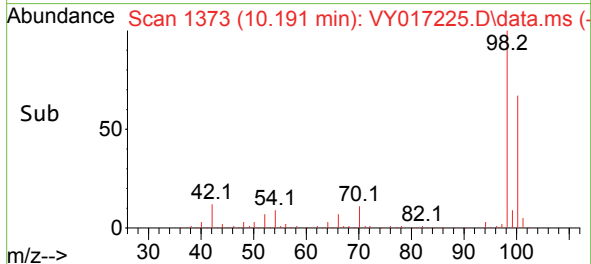
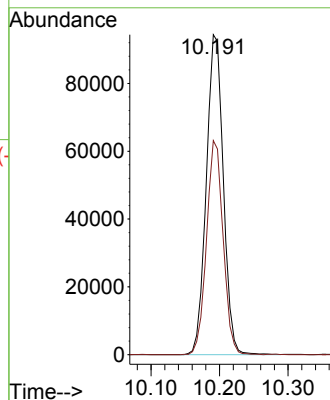
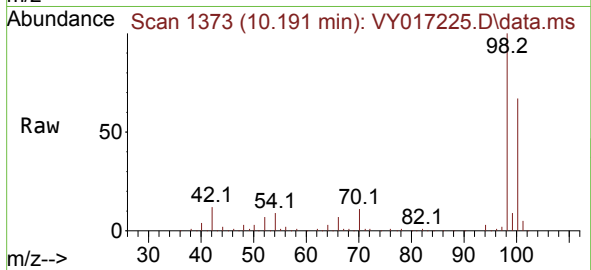
EB-6-0-2

Tgt Ion: 98 Resp: 163449

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.032 ug/l

RT: 10.087 min Scan# 1356

Delta R.T. 0.012 min

Lab File: VY017225.D

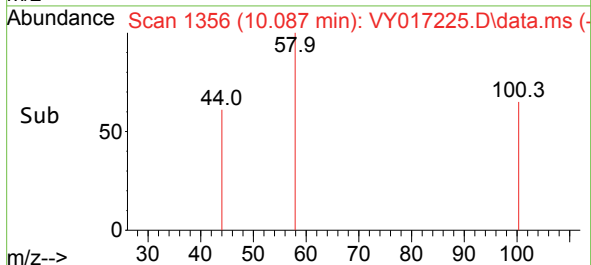
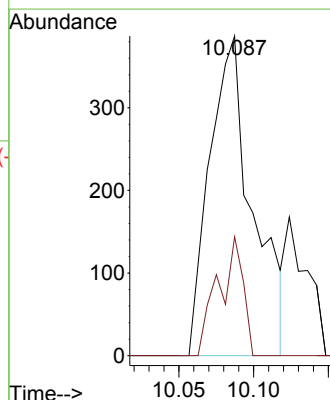
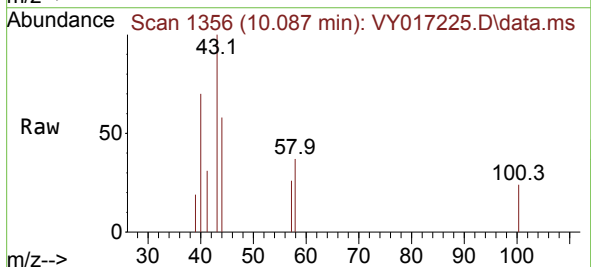
Acq: 05 Feb 2024 13:43

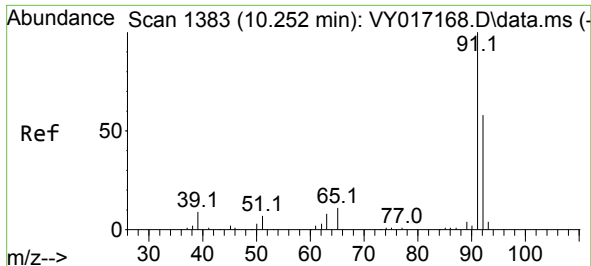
Tgt Ion: 43 Resp: 771

Ion Ratio Lower Upper

43 100

58 21.5 32.2 48.2#

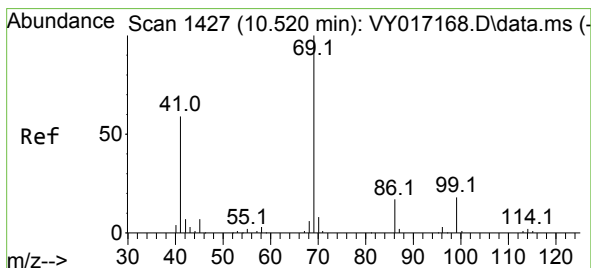
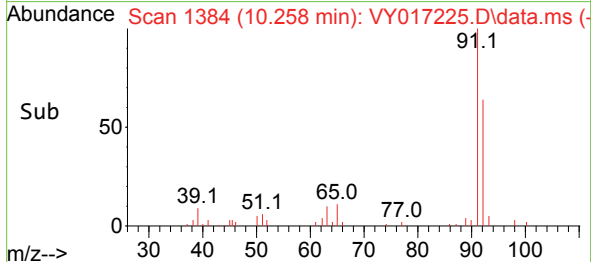
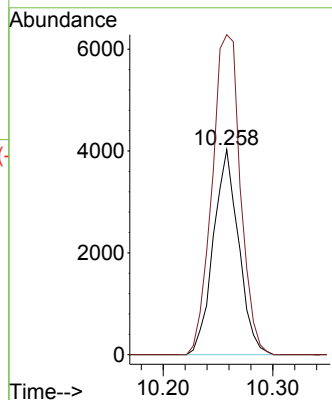
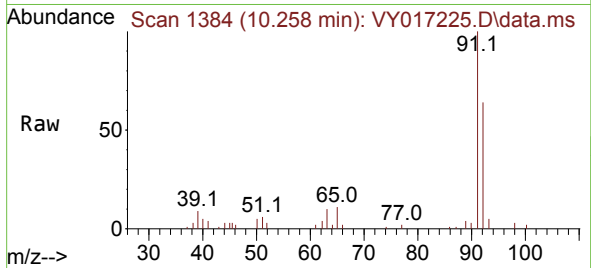




#52
Toluene
Concen: 2.212 ug/l
RT: 10.258 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

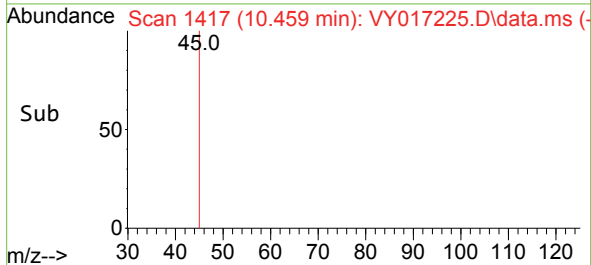
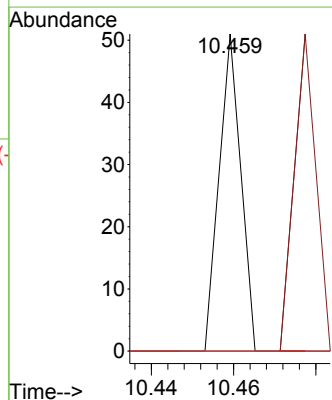
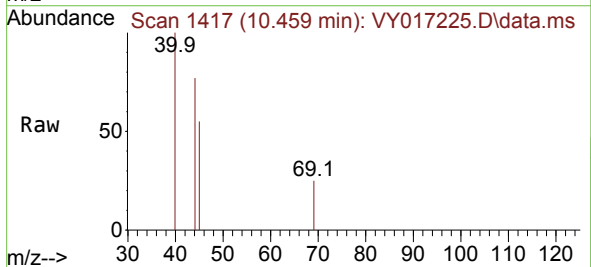
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

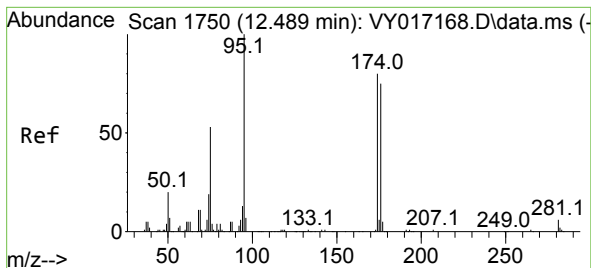
Tgt Ion: 92 Resp: 6472
Ion Ratio Lower Upper
92 100
91 175.0 137.6 206.4



#56
Ethyl methacrylate
Concen: 3.020 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. -0.061 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 194.7 49.2 73.8#
39 0.0 26.8 40.2#

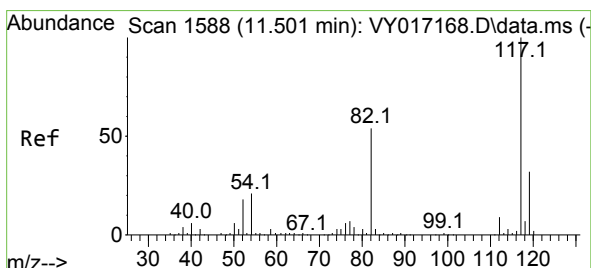
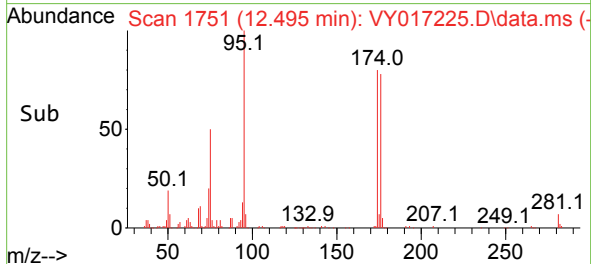
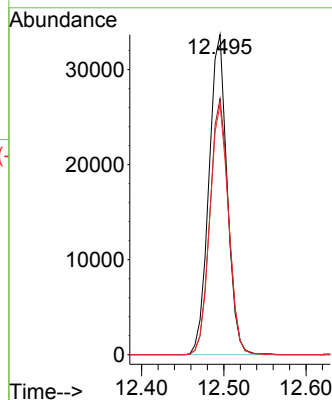
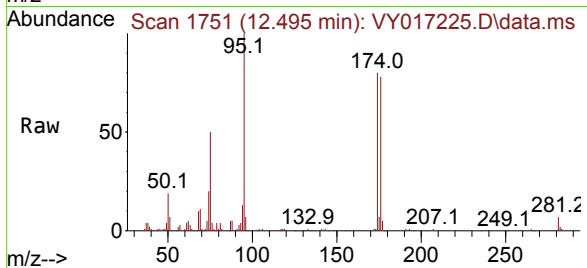




#62
4-Bromofluorobenzene
Concen: 44.190 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

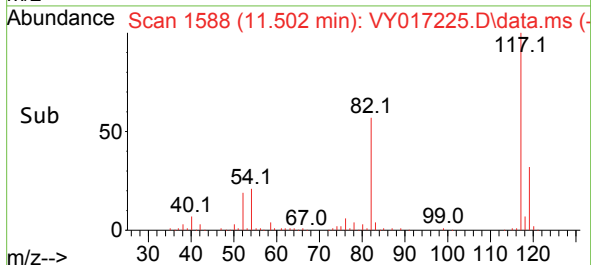
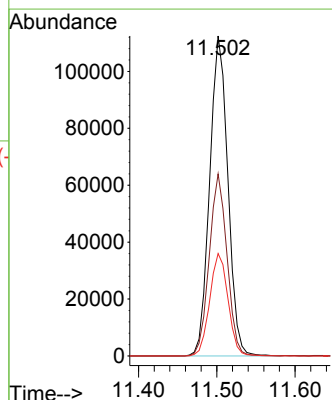
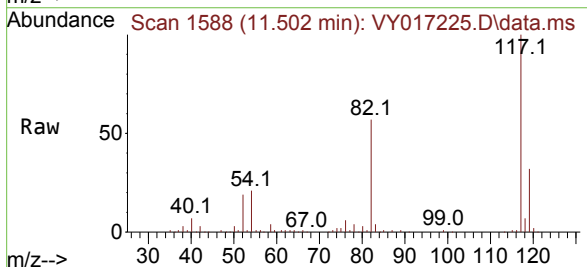
Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2

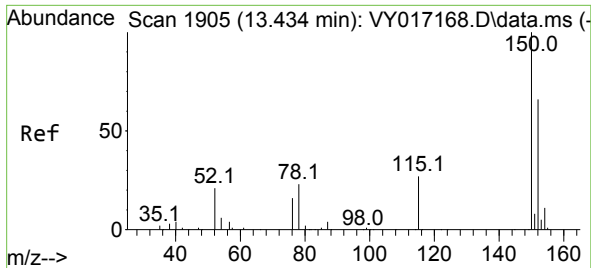
Tgt Ion:	95	Resp:	51864
Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	160.0
176	80.1	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion:	117	Resp:	181272
Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.8	65.8
119	32.0	26.5	39.7

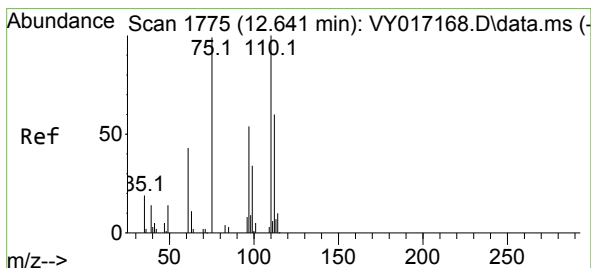
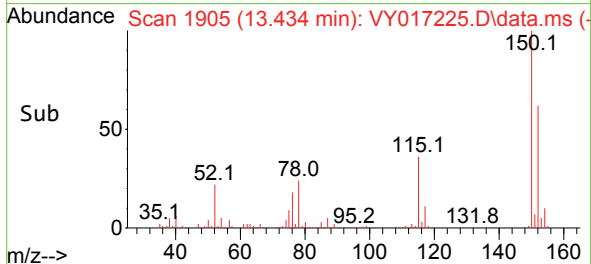
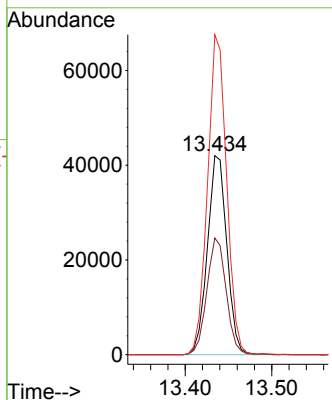
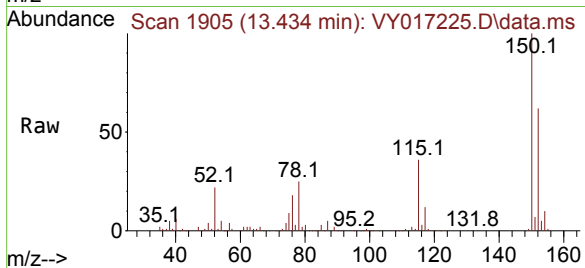




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY017225.D
 Acq: 05 Feb 2024 13:43

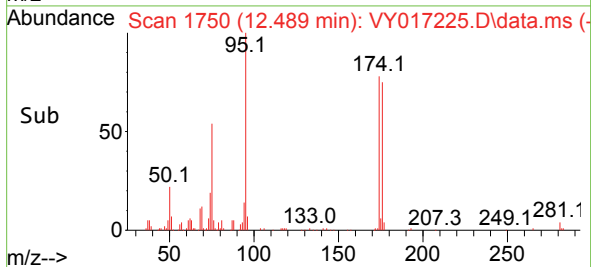
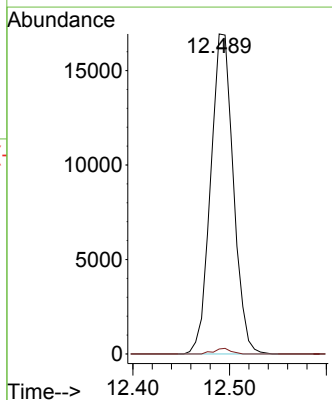
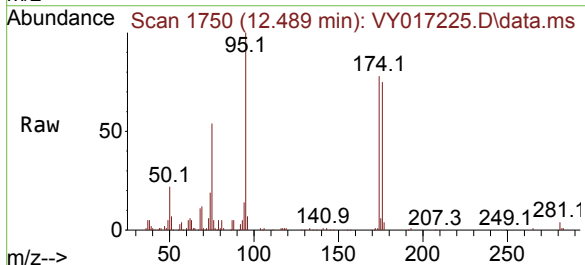
Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-6-0-2

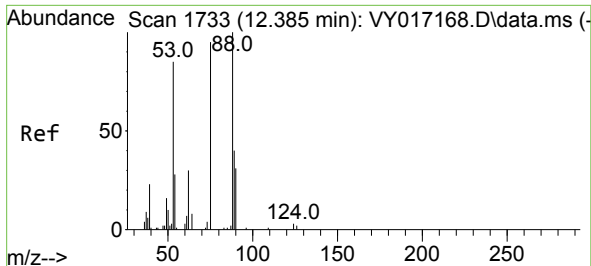
Tgt Ion:152 Resp: 65472
 Ion Ratio Lower Upper
 152 100
 115 58.3 30.0 90.0
 150 157.7 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 45.719 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017225.D
 Acq: 05 Feb 2024 13:43

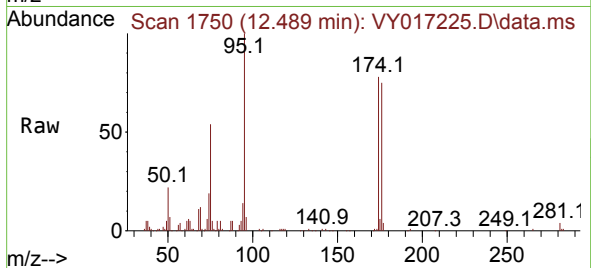
Tgt Ion: 75 Resp: 27628
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



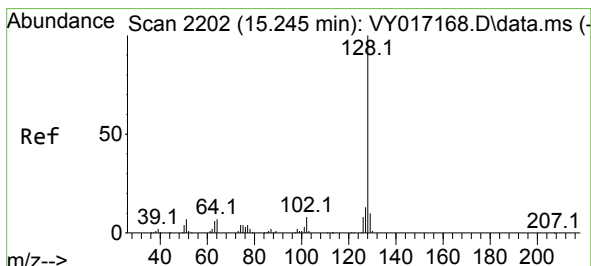
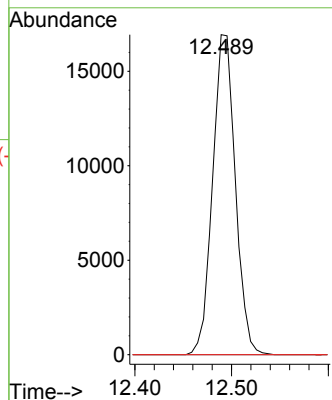
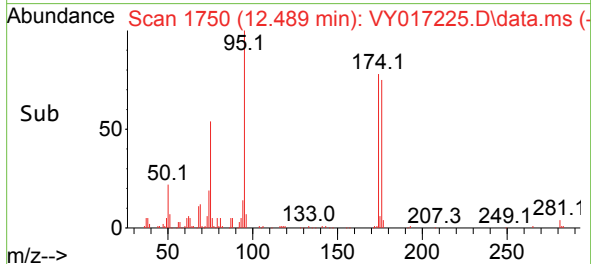


#81
trans-1,4-Dichloro-2-butene
Concen: 94.999 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :
EB-6-0-2



Tgt Ion: 75 Resp: 27628
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.115 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017225.D
Acq: 05 Feb 2024 13:43

Tgt Ion: 128 Resp: 1284
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 8.5 8.6 12.8#

