

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017263.D
 Acq On : 06 Feb 2024 14:38
 Operator : SY/MD
 Sample : P1141-11RE
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 07 00:08:29 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)

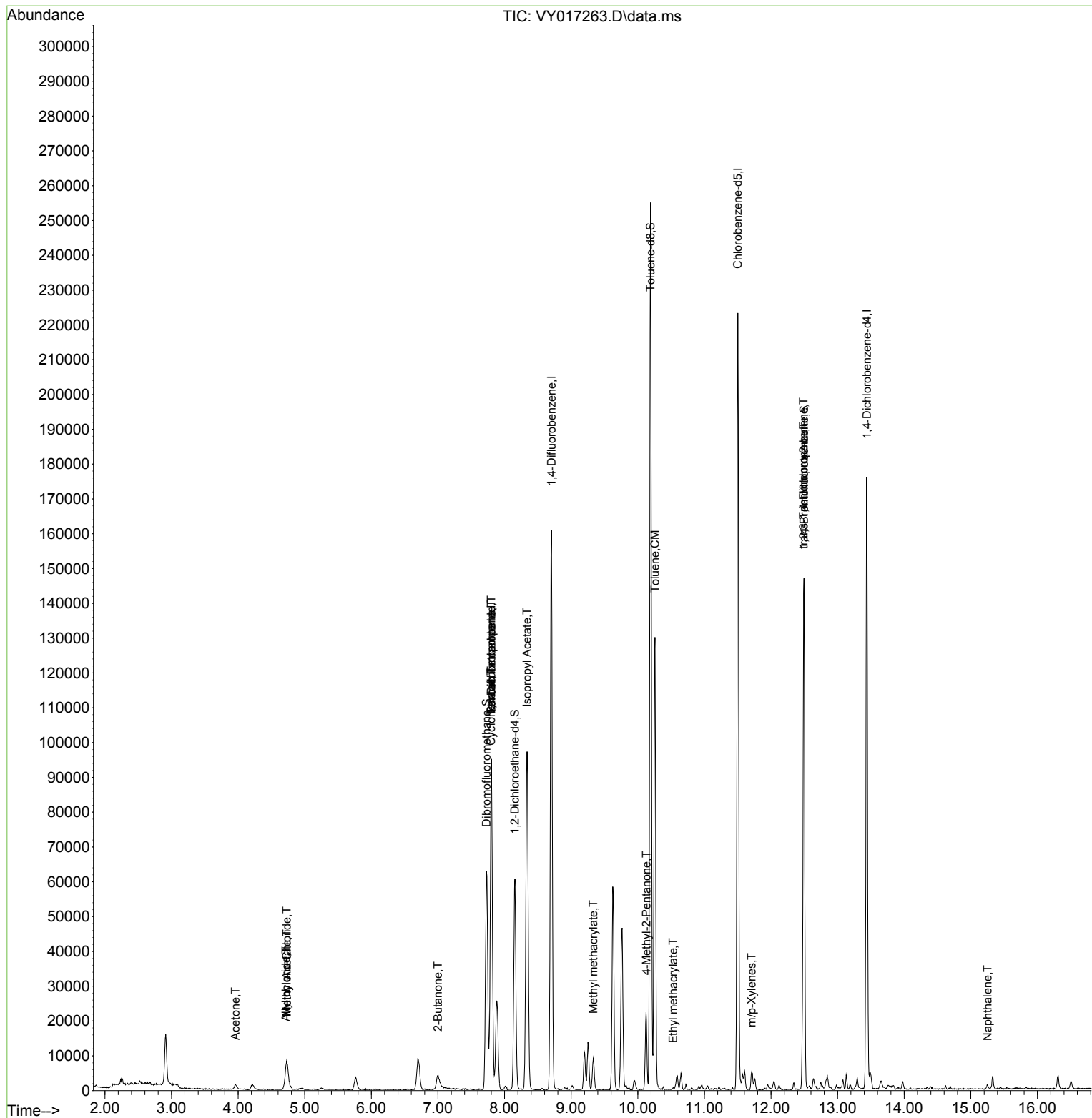
Internal Standards						
1) Pentafluorobenzene	7.801	168	69337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	138198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	118823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	43123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	44987	72.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.260%			
35) Dibromofluoromethane	7.728	113	45395	60.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.680%			
50) Toluene-d8	10.191	98	164494	60.547	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 121.100%			
62) 4-Bromofluorobenzene	12.496	95	46924	52.725	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.460%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	515	Below Cal	#	75
14) Allyl chloride	4.716	41	1332	1.311	ug/l #	47
16) Acetone	3.960	43	2708	14.875	ug/l #	86
18) Methyl Acetate	4.729	43	2066	5.087	ug/l #	51
20) Methylene Chloride	4.729	84	4900	3.300	ug/l	92
25) 2-Butanone	6.997	43	697	2.880	ug/l #	48
31) Cyclohexane	7.795	56	1968	1.576	ug/l #	31
36) 1,1-Dichloropropene	7.801	75	6129	4.762	ug/l #	50
38) Carbon Tetrachloride	7.801	117	6786	5.507	ug/l #	18
43) Isopropyl Acetate	8.338	43	19039	18.016	ug/l #	51
48) Methyl methacrylate	9.331	41	2218	4.475	ug/l #	38
51) 4-Methyl-2-Pentanone	10.130	43	2528	4.463	ug/l #	85
52) Toluene	10.258	92	54564	24.594	ug/l	99
56) Ethyl methacrylate	10.532	69	25	3.031	ug/l #	1
68) m/p-Xylenes	11.709	106	1620	1.030	ug/l	87
76) 1,2,3-Trichloropropane	12.489	75	24664	61.967	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	24664	128.759	ug/l #	13
95) Naphthalene	15.251	128	1410	4.577	ug/l #	95

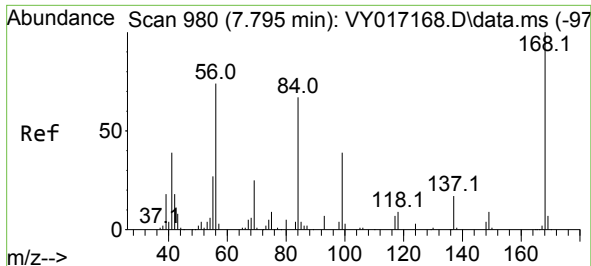
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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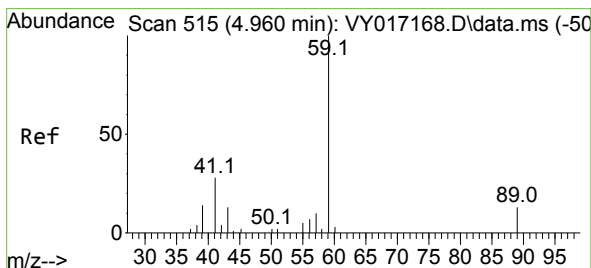
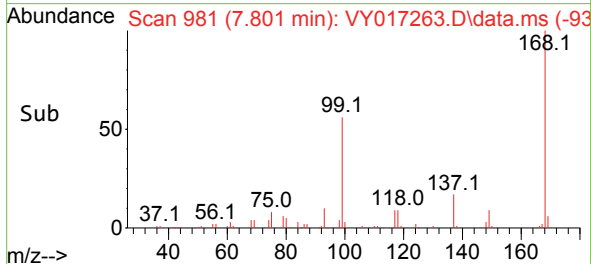
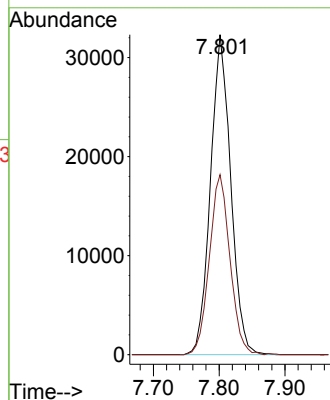
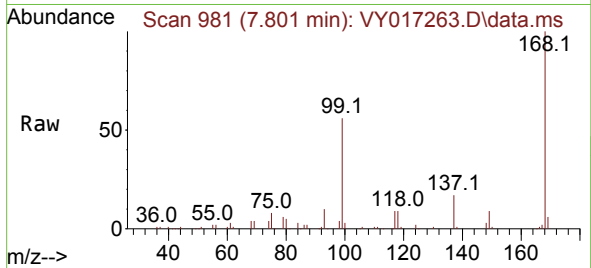




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

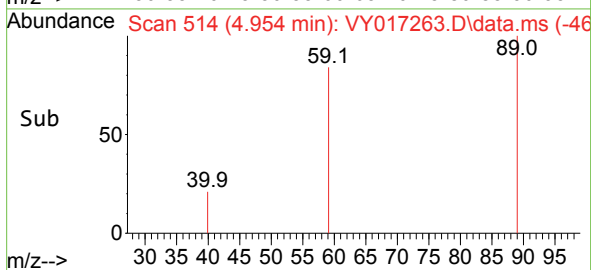
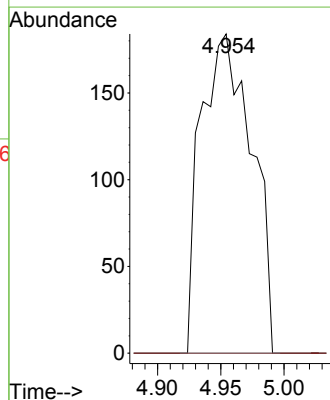
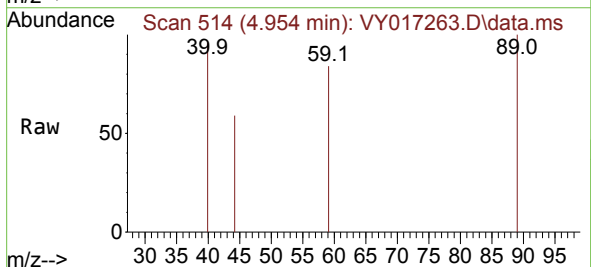
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

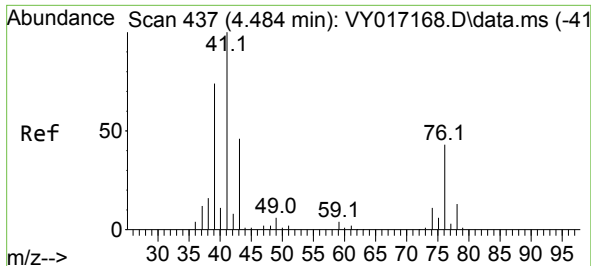
Tgt Ion:168 Resp: 69337
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

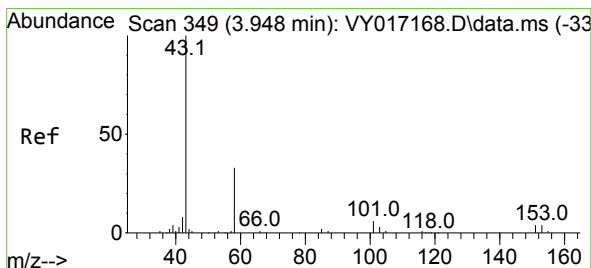
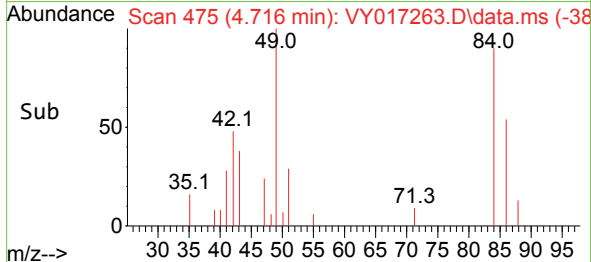
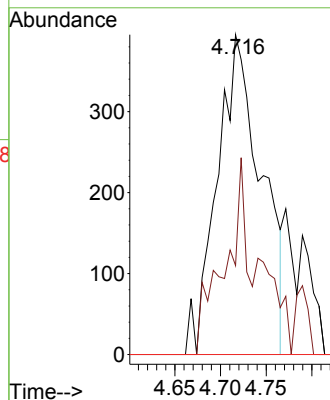
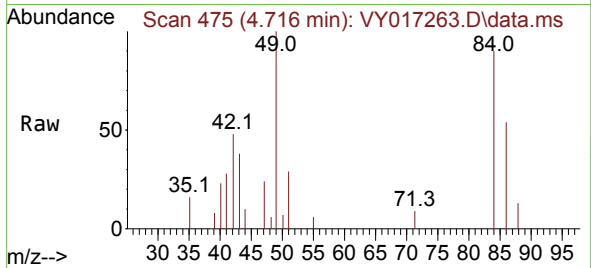




#14
 Allyl chloride
 Concen: 1.311 ug/l
 RT: 4.716 min Scan# 41
 Delta R.T. 0.232 min
 Lab File: VY017263.D
 Acq: 06 Feb 2024 14:38

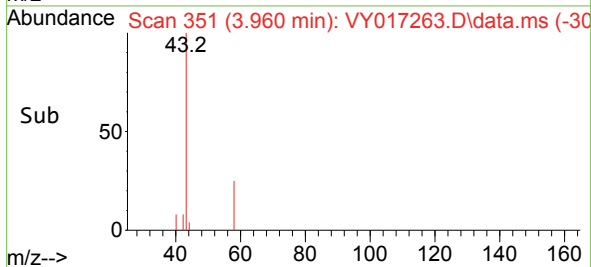
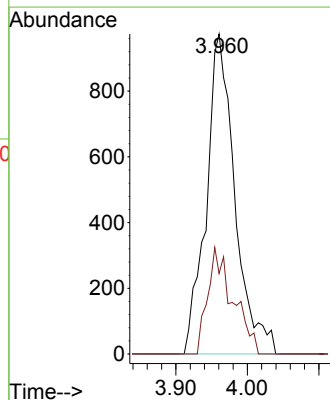
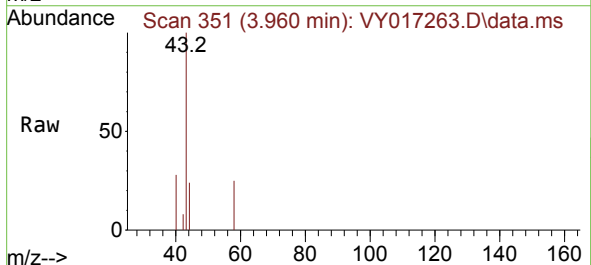
Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-2-0-2DRE

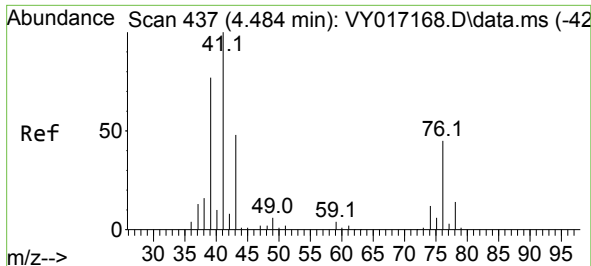
Tgt Ion: 41 Resp: 1332
 Ion Ratio Lower Upper
 41 100
 39 30.7 54.7 82.1#
 76 0.0 31.8 47.6#



#16
 Acetone
 Concen: 14.875 ug/l
 RT: 3.960 min Scan# 351
 Delta R.T. 0.013 min
 Lab File: VY017263.D
 Acq: 06 Feb 2024 14:38

Tgt Ion: 43 Resp: 2708
 Ion Ratio Lower Upper
 43 100
 58 25.2 26.6 39.8#

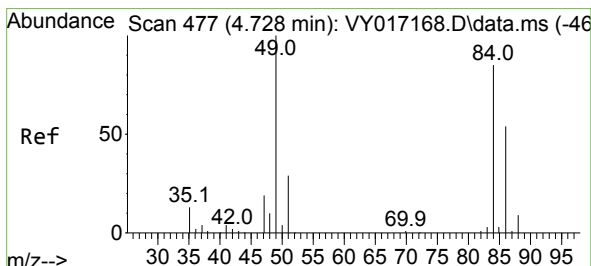
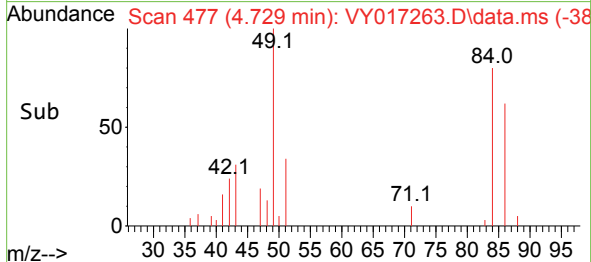
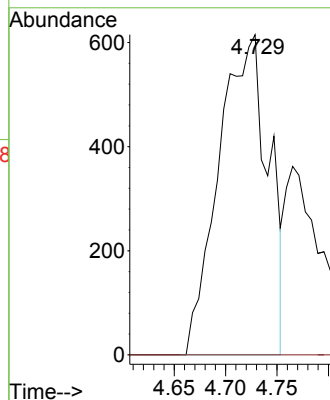
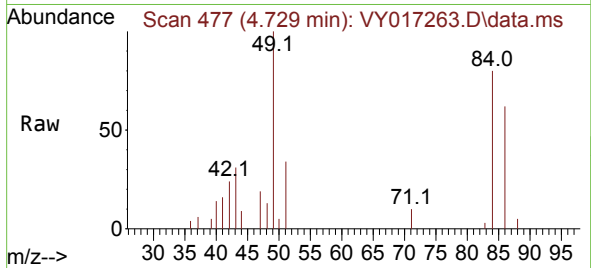




#18
Methyl Acetate
Concen: 5.087 ug/l
RT: 4.729 min Scan# 41
Delta R.T. 0.244 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

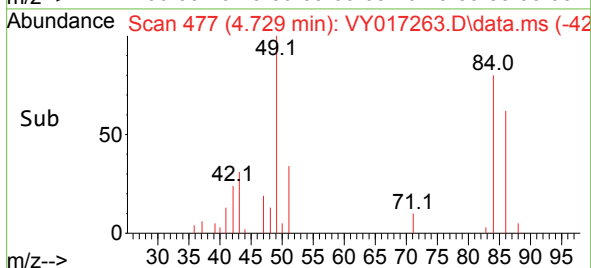
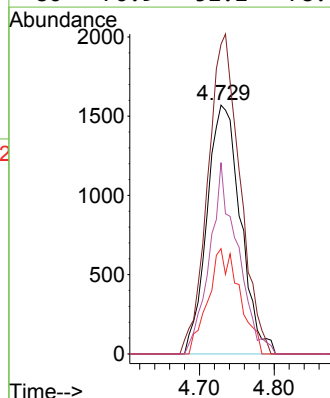
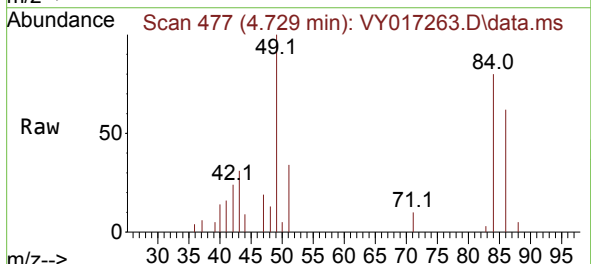
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

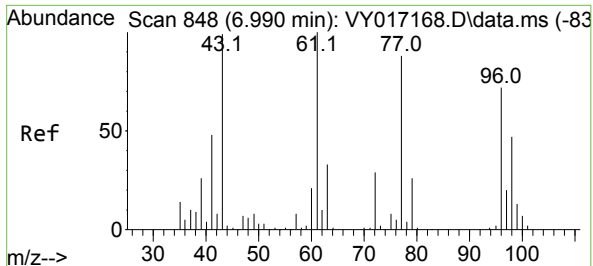
Tgt Ion: 43 Resp: 2066
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



#20
Methylene Chloride
Concen: 3.300 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 84 Resp: 4900
Ion Ratio Lower Upper
84 100
49 124.4 95.2 142.8
51 42.3 29.9 44.9
86 76.9 52.2 78.4

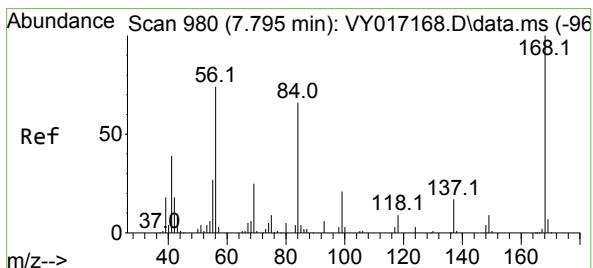
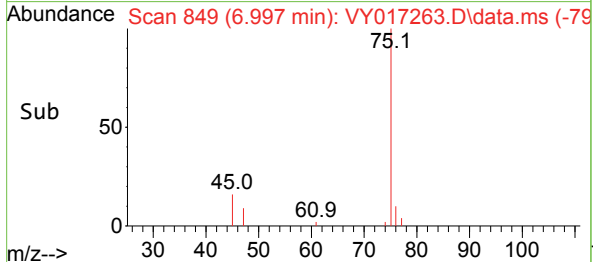
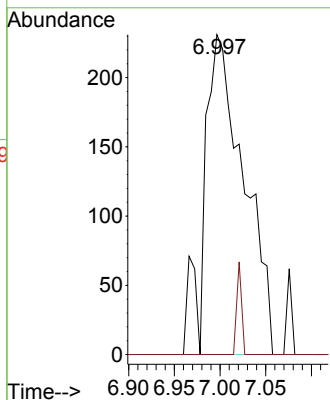
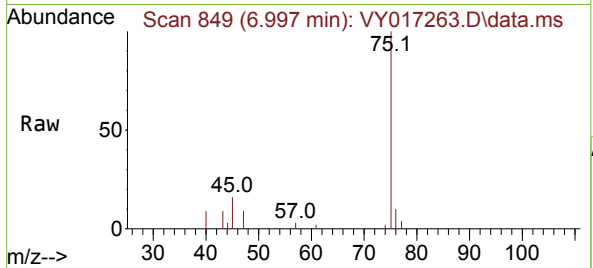




#25
2-Butanone
Concen: 2.880 ug/l
RT: 6.997 min Scan# 848
Delta R.T. 0.007 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

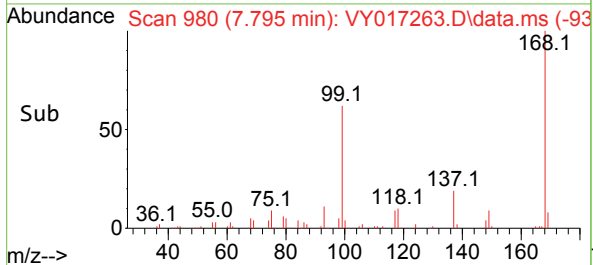
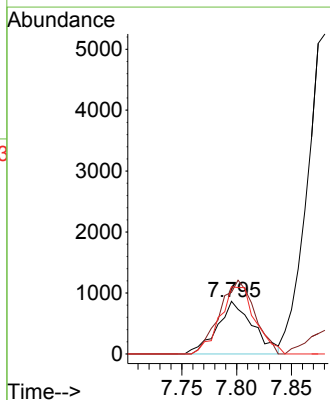
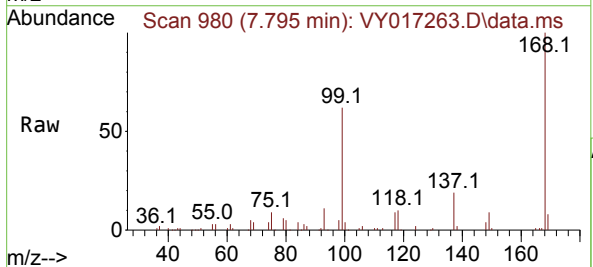
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

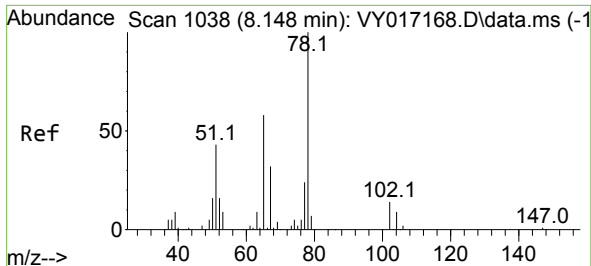
Tgt Ion: 43 Resp: 697
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.576 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 56 Resp: 1968
Ion Ratio Lower Upper
56 100
69 117.0 27.0 40.6#
84 127.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 72.628 ug/l

RT: 8.155 min Scan# 1038

Delta R.T. 0.007 min

Lab File: VY017263.D

Acq: 06 Feb 2024 14:38

Instrument :

MSVOA_Y

ClientSampleId :

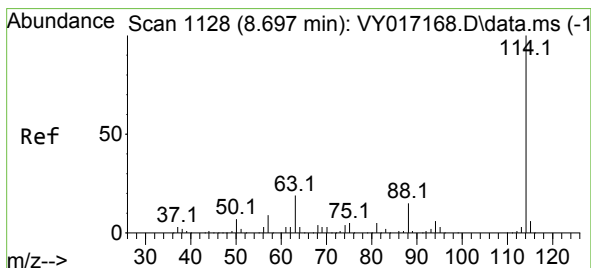
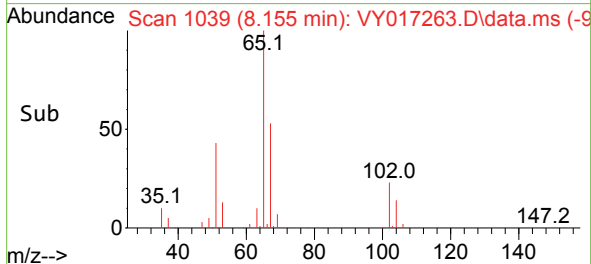
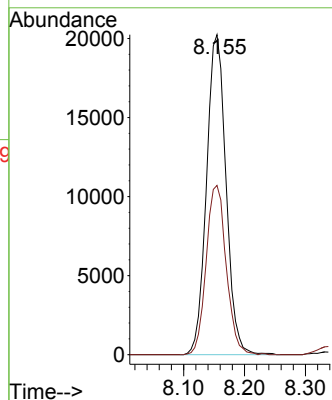
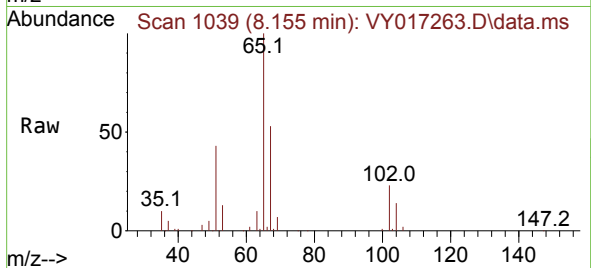
EB-2-0-2DRE

Tgt Ion: 65 Resp: 44987

Ion Ratio Lower Upper

65 100

67 54.3 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: VY017263.D

Acq: 06 Feb 2024 14:38

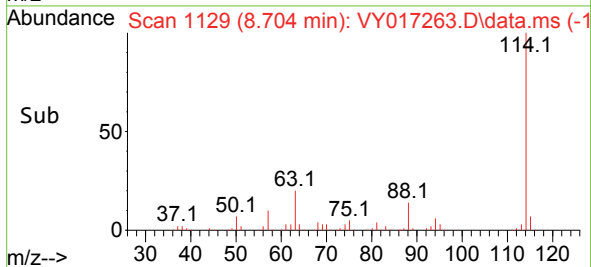
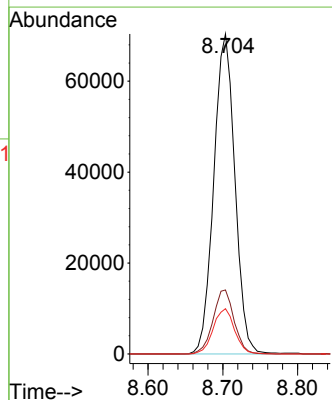
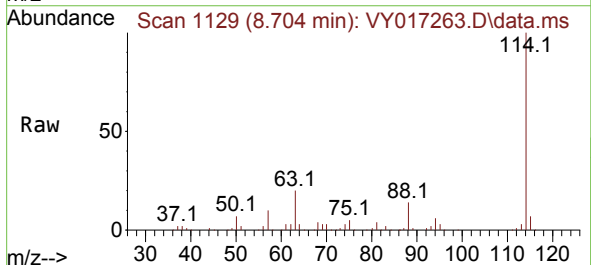
Tgt Ion: 114 Resp: 138198

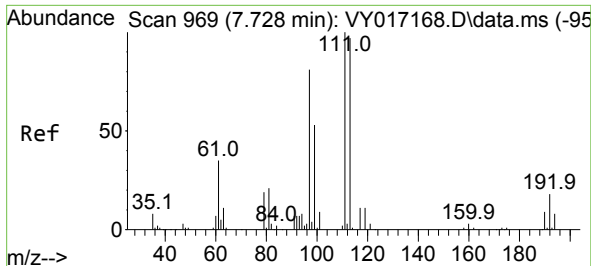
Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 14.1 0.0 29.0

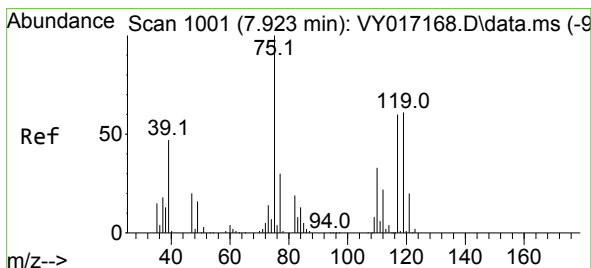
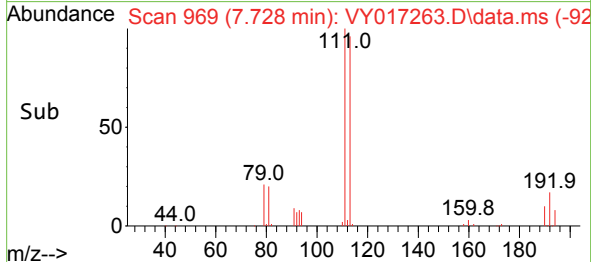
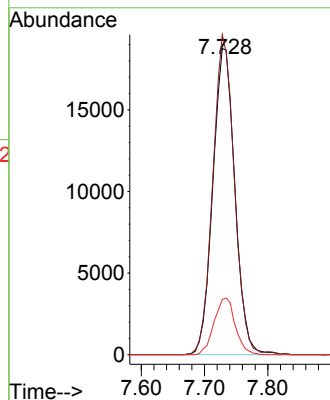
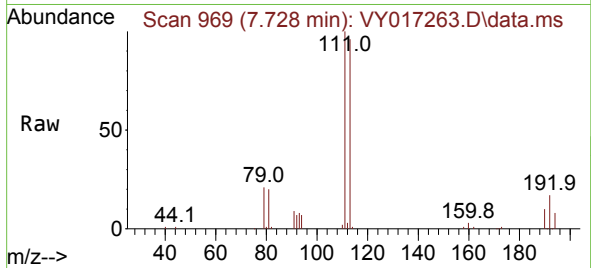




#35
Dibromofluoromethane
Concen: 60.836 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

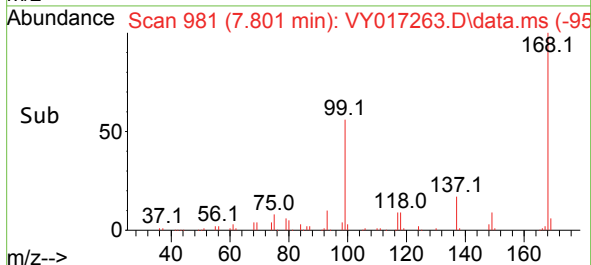
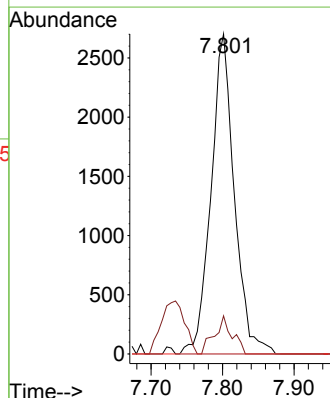
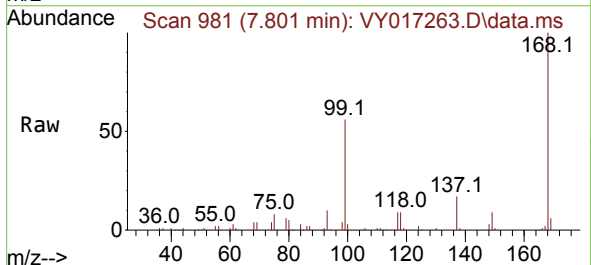
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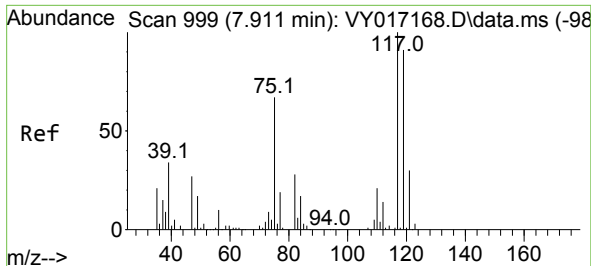
Tgt Ion:113 Resp: 45395
Ion Ratio Lower Upper
113 100
111 101.6 83.8 125.6
192 17.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.121 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

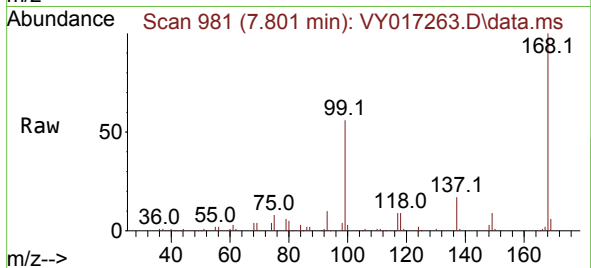
Tgt Ion: 75 Resp: 6129
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.7 37.1#



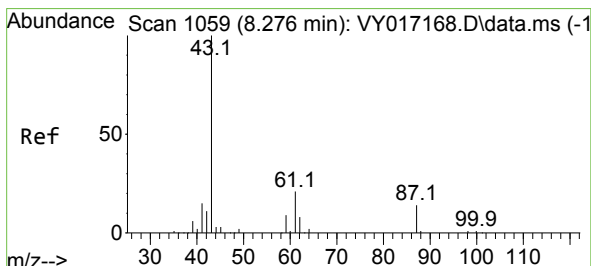
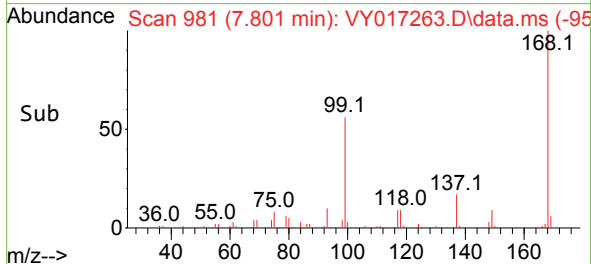
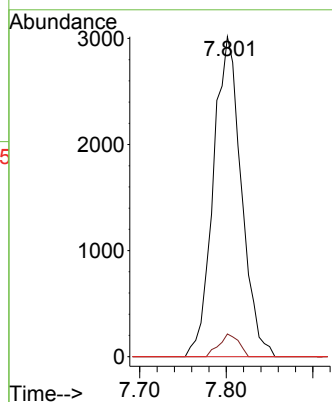


#38
Carbon Tetrachloride
Concen: 5.507 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

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

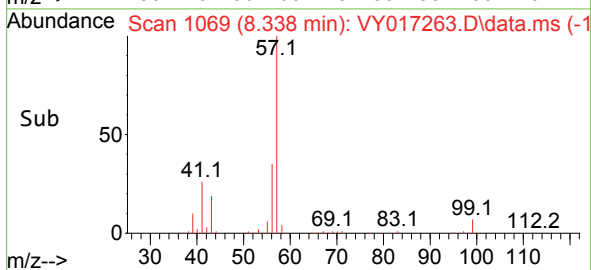
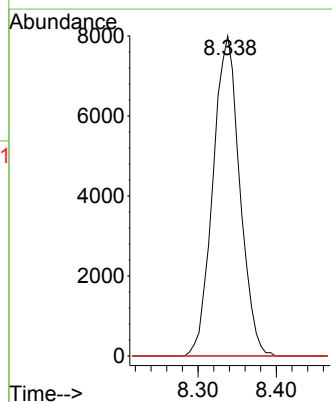
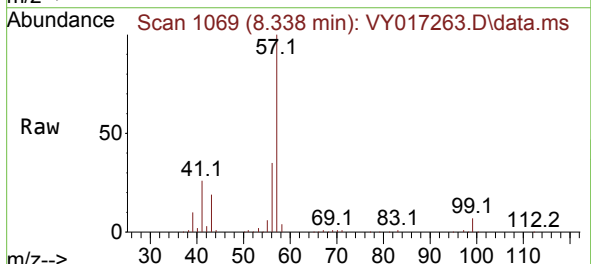


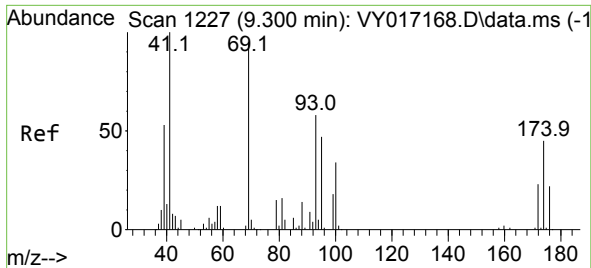
Tgt Ion:117 Resp: 6786
Ion Ratio Lower Upper
117 100
119 7.1 76.0 114.0#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 18.016 ug/l
RT: 8.338 min Scan# 1069
Delta R.T. 0.061 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 43 Resp: 19039
Ion Ratio Lower Upper
43 100
61 0.0 24.8 37.2#
87 0.0 10.7 16.1#

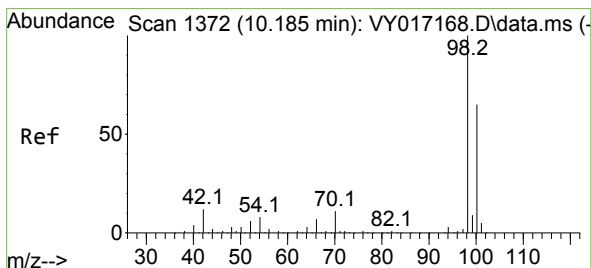
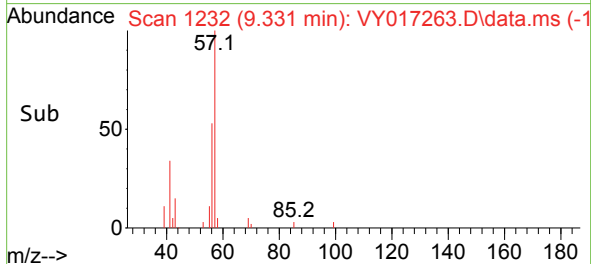
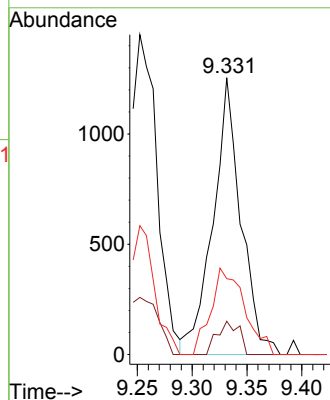
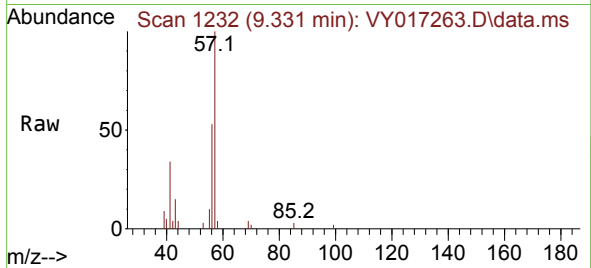




#48
Methyl methacrylate
Concen: 4.475 ug/l
RT: 9.331 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

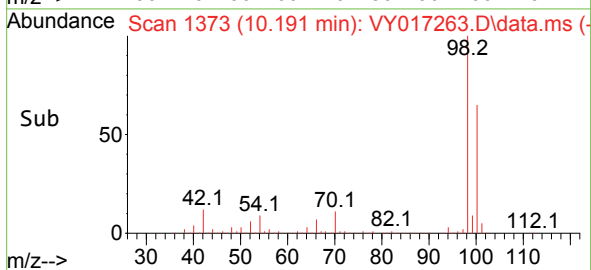
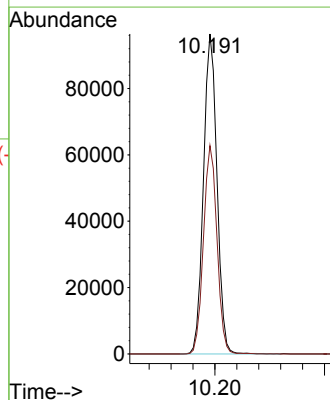
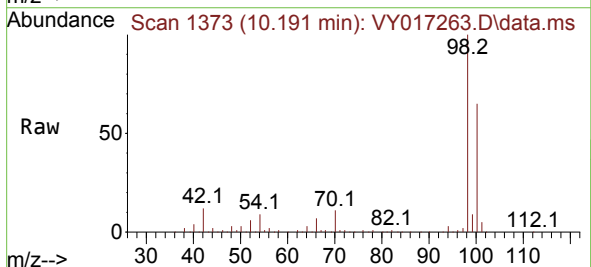
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

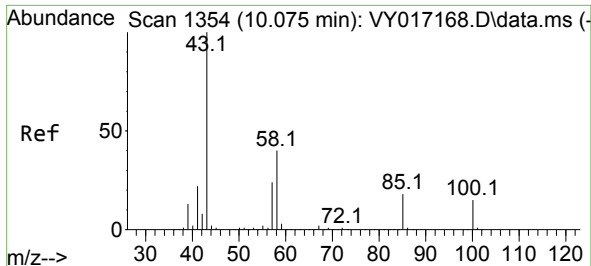
Tgt Ion: 41 Resp: 2218
Ion Ratio Lower Upper
41 100
69 9.4 72.1 108.1#
39 37.7 42.8 64.2#



#50
Toluene-d8
Concen: 60.547 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.007 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 98 Resp: 164494
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

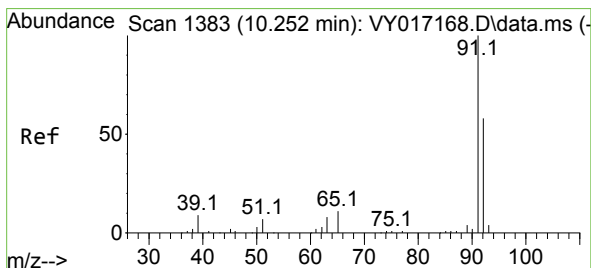
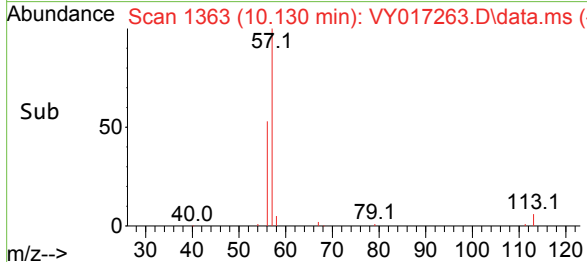
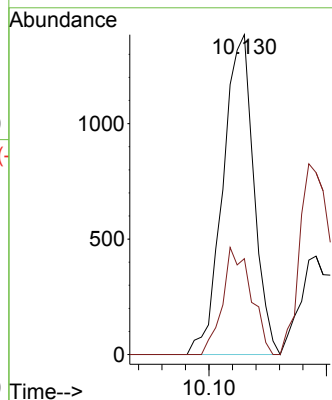
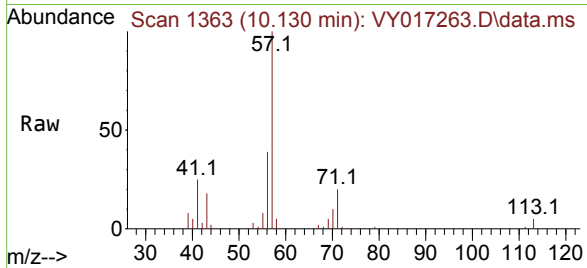




#51
4-Methyl-2-Pentanone
Concen: 4.463 ug/l
RT: 10.130 min Scan# 1363
Delta R.T. 0.055 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

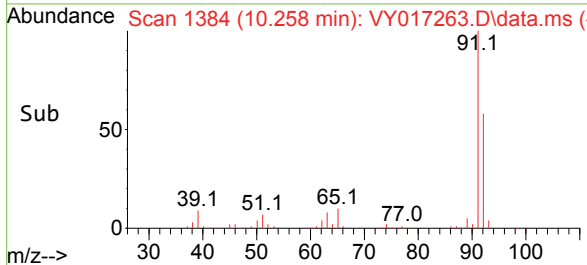
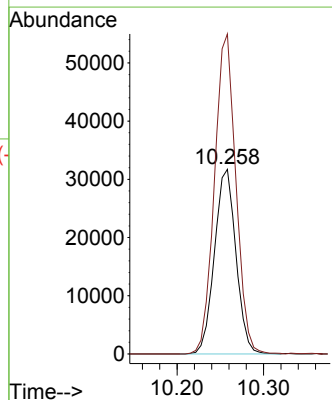
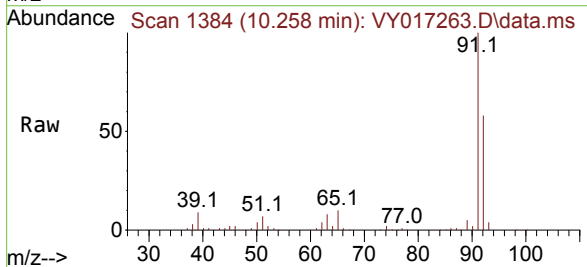
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

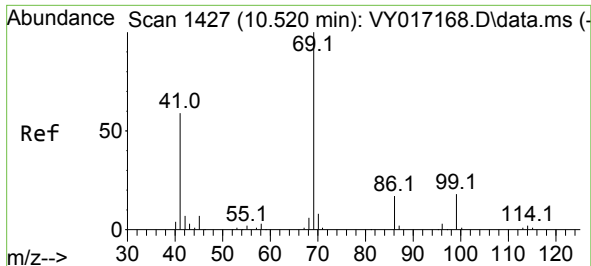
Tgt Ion: 43 Resp: 2528
Ion Ratio Lower Upper
43 100
58 31.1 32.2 48.2#



#52
Toluene
Concen: 24.594 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 92 Resp: 54564
Ion Ratio Lower Upper
92 100
91 172.8 137.6 206.4

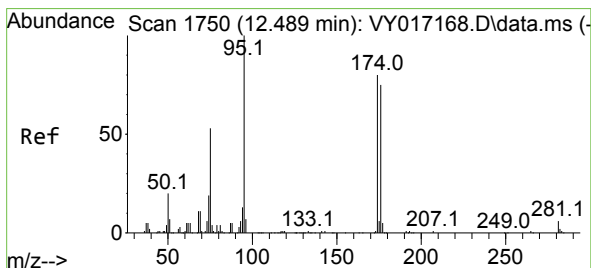
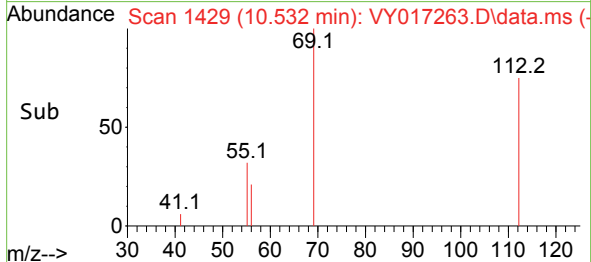
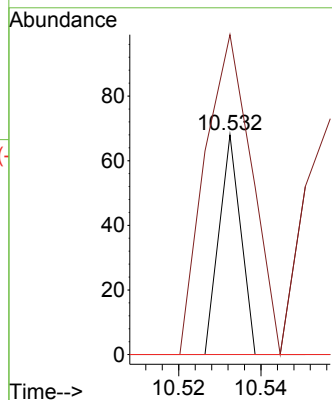
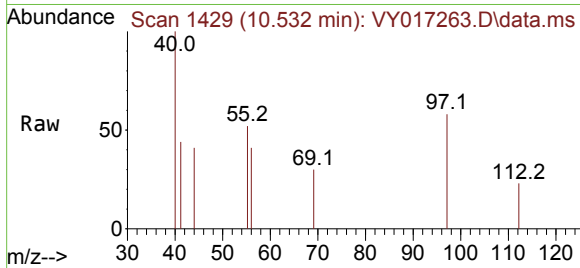




#56
Ethyl methacrylate
Concen: 3.031 ug/l
RT: 10.532 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

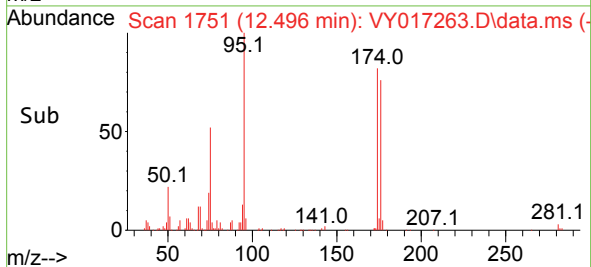
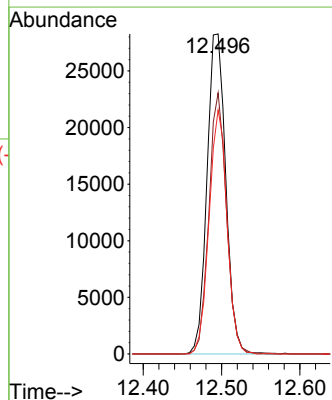
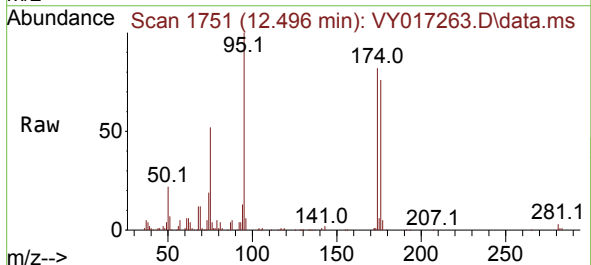
Instrument :
MSVOA_Y
ClientSampleId :
EB-2-0-2DRE

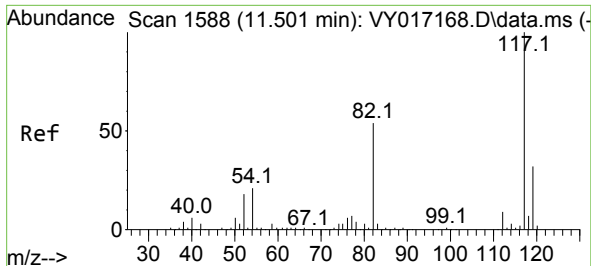
Tgt Ion: 69 Resp: 25
Ion Ratio Lower Upper
69 100
41 312.0 49.2 73.8#
39 0.0 26.8 40.2#



#62
4-Bromofluorobenzene
Concen: 52.725 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.007 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion: 95 Resp: 46924
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.0
176 73.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017263.D

Acq: 06 Feb 2024 14:38

Instrument :

MSVOA_Y

ClientSampleId :

EB-2-0-2DRE

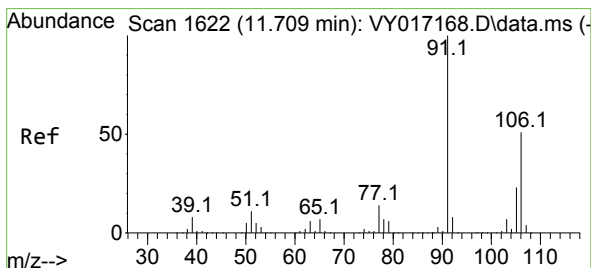
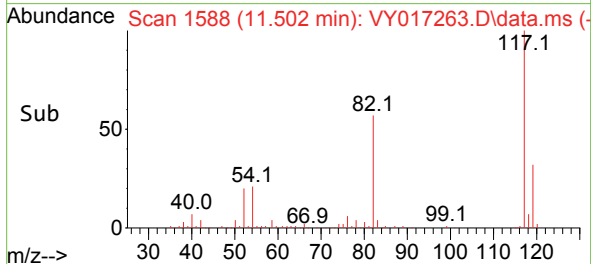
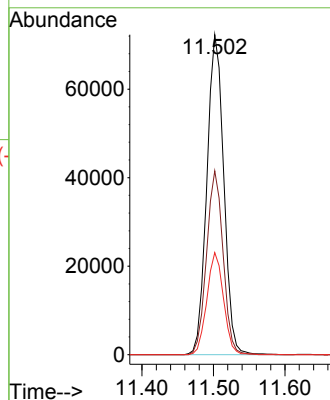
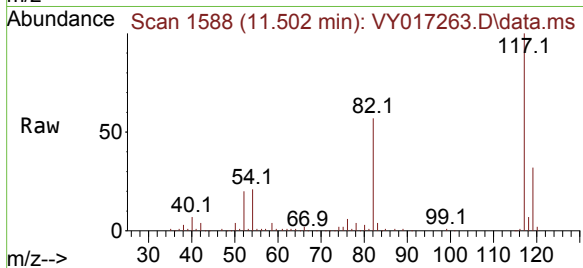
Tgt Ion:117 Resp: 118823

Ion Ratio Lower Upper

117 100

82 57.4 43.8 65.8

119 31.9 26.5 39.7



#68

m/p-Xylenes

Concen: 1.030 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.000 min

Lab File: VY017263.D

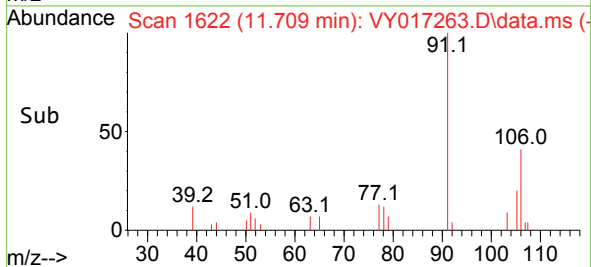
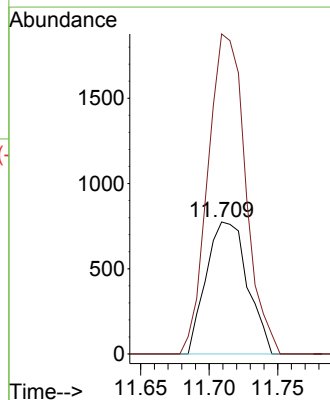
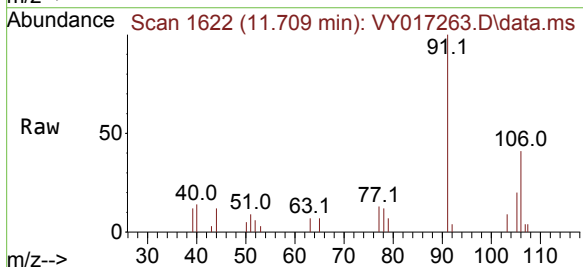
Acq: 06 Feb 2024 14:38

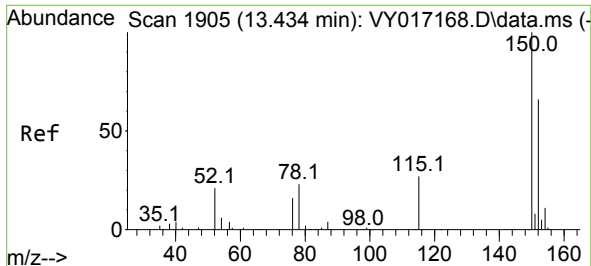
Tgt Ion:106 Resp: 1620

Ion Ratio Lower Upper

106 100

91 221.1 160.7 241.1

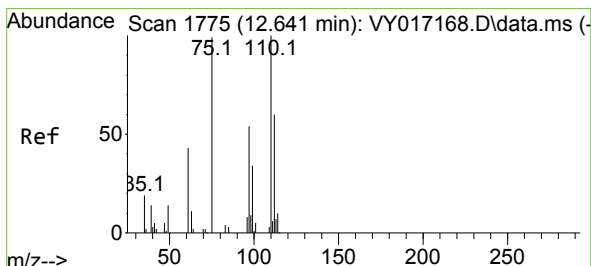
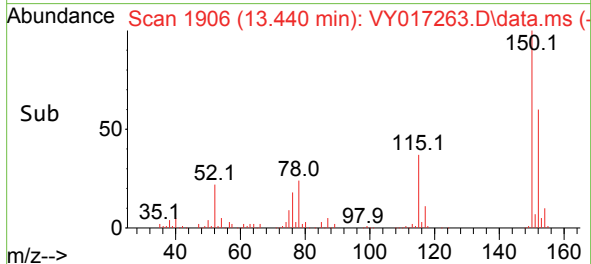
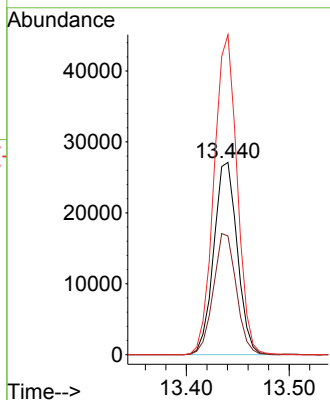
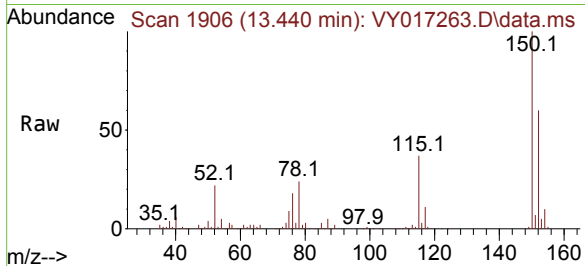




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1905
 Delta R.T. 0.007 min
 Lab File: VY017263.D
 Acq: 06 Feb 2024 14:38

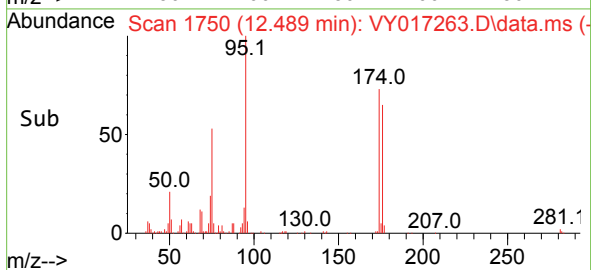
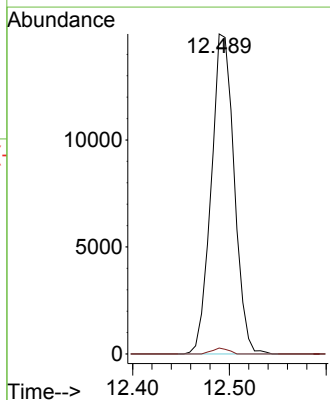
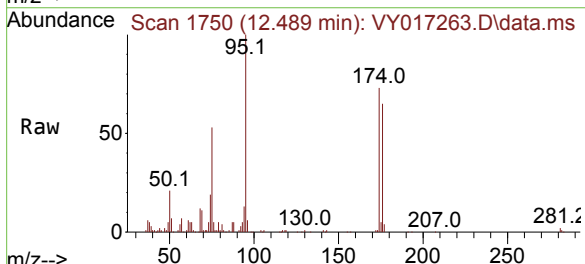
Instrument :
 MSVOA_Y
 ClientSampleId :
 EB-2-0-2DRE

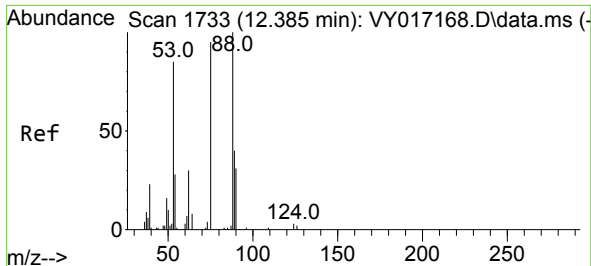
Tgt Ion:152 Resp: 43123
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.0 90.0
 150 163.2 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 61.967 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017263.D
 Acq: 06 Feb 2024 14:38

Tgt Ion: 75 Resp: 24664
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

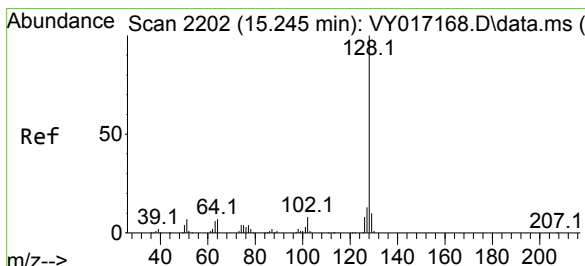
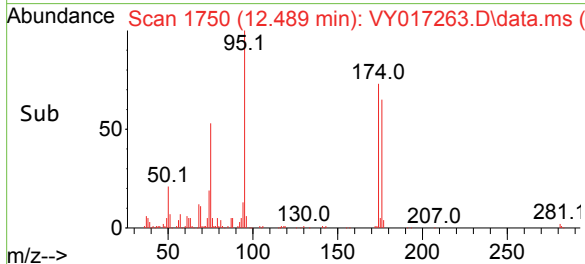
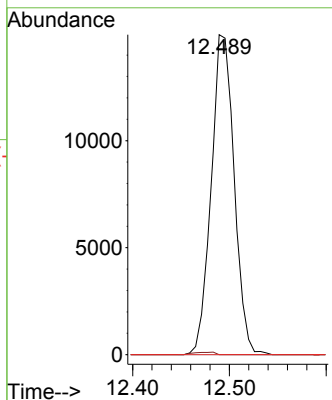
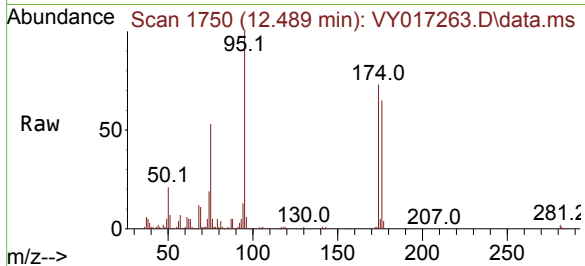




#81
trans-1,4-Dichloro-2-butene
Concen: 128.759 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

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

Tgt Ion: 75 Resp: 24664
Ion Ratio Lower Upper
75 100
53 0.7 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.577 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017263.D
Acq: 06 Feb 2024 14:38

Tgt Ion:128 Resp: 1410
Ion Ratio Lower Upper
128 100
127 11.0 10.2 15.4
129 8.4 8.6 12.8#

