

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017830.D
 Acq On : 03 Apr 2024 12:35
 Operator : SY/MD
 Sample : P1960-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Quant Time: Apr 04 01:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

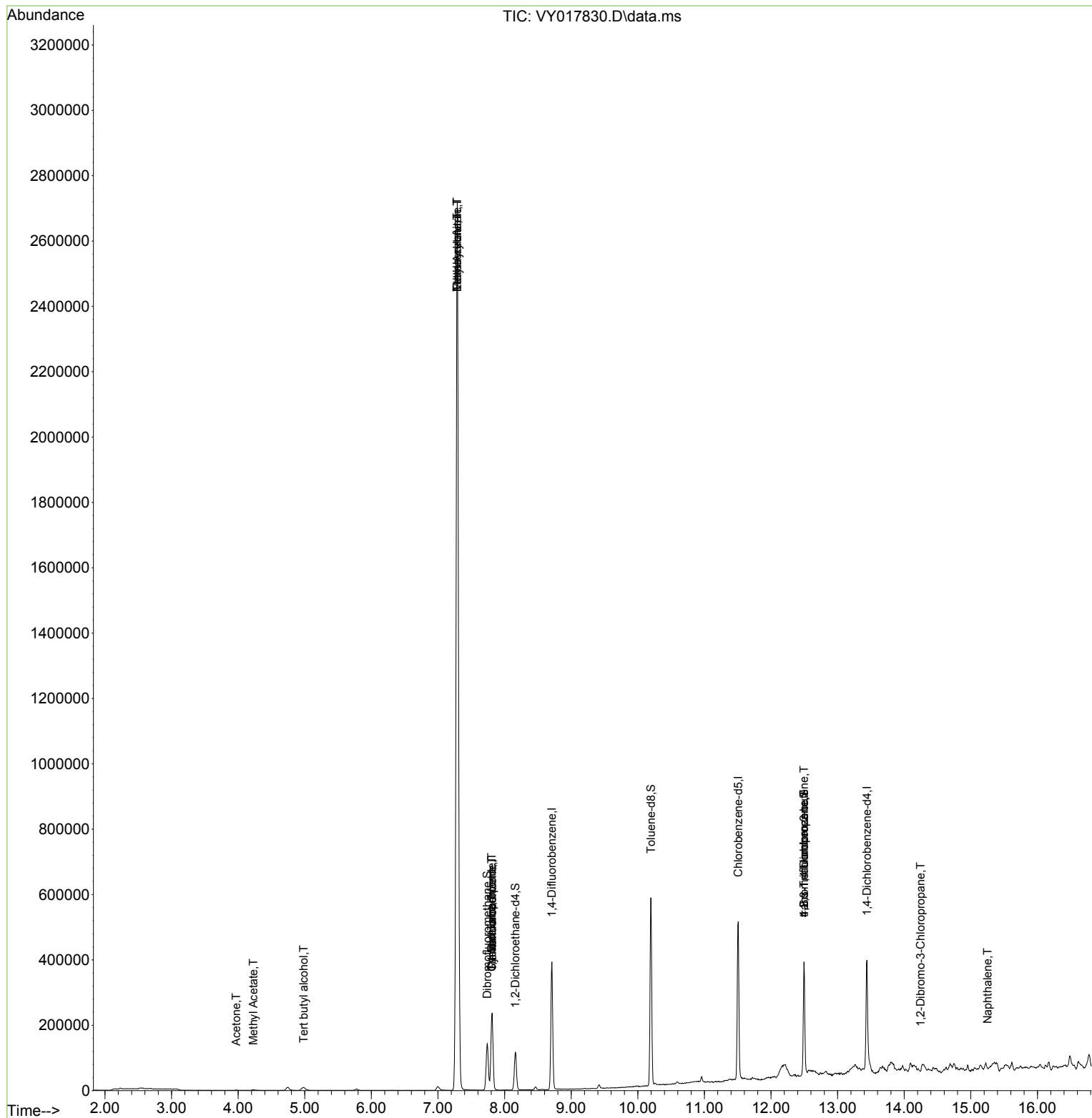
Internal Standards						
1) Pentafluorobenzene	7.813	168	191617	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.709	114	333911	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	274835	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	81149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	90694	54.696	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.400%			
35) Dibromofluoromethane	7.740	113	102102	52.917	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.197	98	380357	52.773	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.495	95	94579	43.130	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.985	59	17530	133.732	ug/l #	80
16) Acetone	3.973	43	1868	5.450	ug/l	100
18) Methyl Acetate	4.229	43	1033	1.361	ug/l #	46
29) Tetrahydrofuran	7.289	42	298166	1017.711	ug/l #	26
31) Cyclohexane	7.807	56	3885	1.330	ug/l #	5
36) 1,1-Dichloropropene	7.807	75	14937	5.306	ug/l #	47
37) Ethyl Acetate	7.289	43	2408290	1982.270	ug/l #	67
38) Carbon Tetrachloride	7.807	117	17341	5.933	ug/l #	16
41) Methacrylonitrile	7.289	41	1278451	592.367	ug/l #	33
51) 4-Methyl-2-Pentanone	10.081	43	262	Below Cal	#	75
56) Ethyl methacrylate	10.532	69	275	Below Cal	#	33
58) 2-Chloroethyl Vinyl ether	9.764	63	70	Below Cal	#	45
59) 2-Hexanone	10.837	43	386	Below Cal	#	19
69) o-Xylene	12.038	106	914	Below Cal		97
70) Styrene	12.063	104	764	Below Cal	#	81
76) 1,2,3-Trichloropropane	12.495	75	51017	68.991	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	51017	127.083	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.245	75	240	1.805	ug/l	59
95) Naphthalene	15.251	128	844	1.228	ug/l #	84

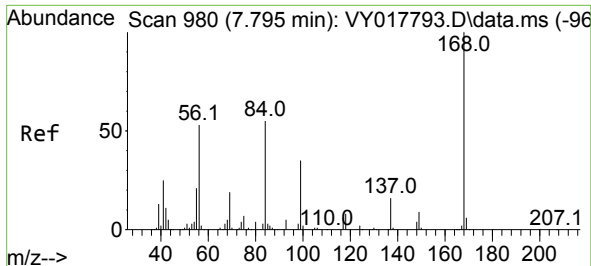
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 2024
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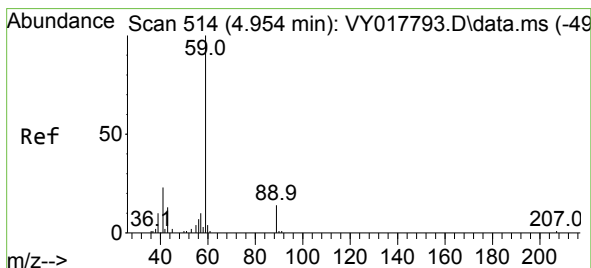
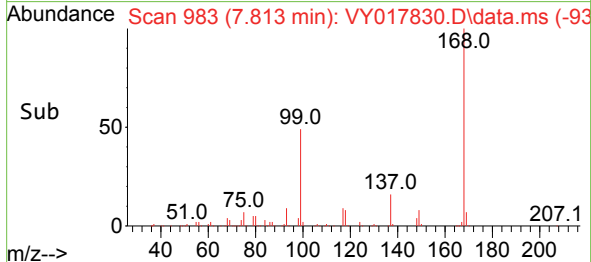
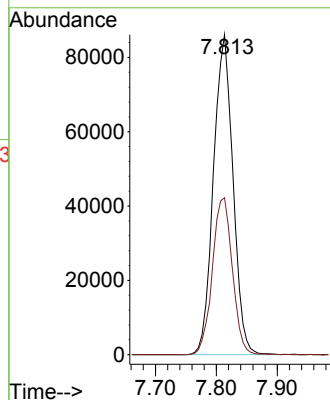
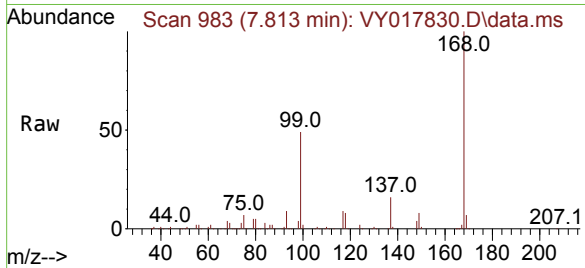




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

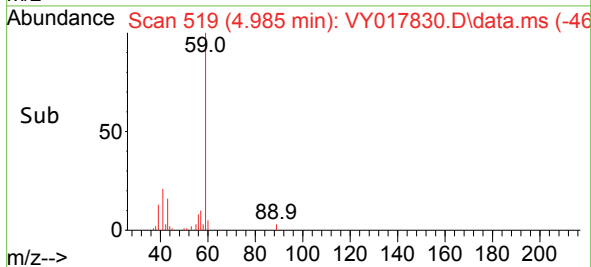
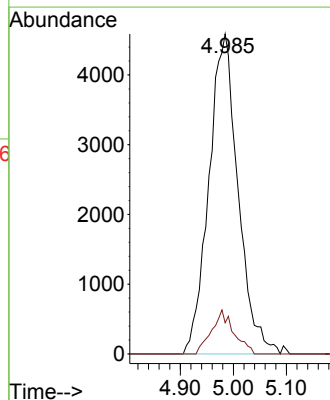
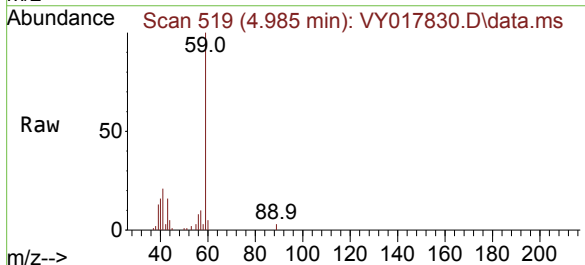
Instrument :
MSVOA_Y
ClientSampleId :
20071

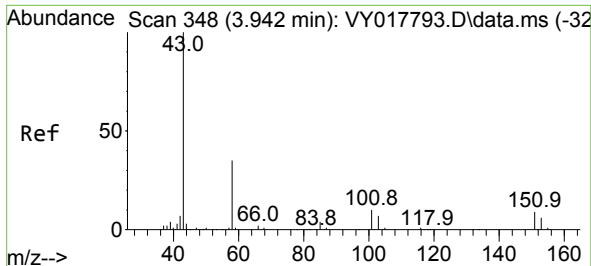
Tgt Ion:168 Resp: 191617
Ion Ratio Lower Upper
168 100
99 49.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 133.732 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.031 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 59 Resp: 17530
Ion Ratio Lower Upper
59 100
57 10.4 3.0 4.6#





#16

Acetone

Concen: 5.450 ug/l

RT: 3.973 min Scan# 31

Delta R.T. 0.031 min

Lab File: VY017830.D

Acq: 03 Apr 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :

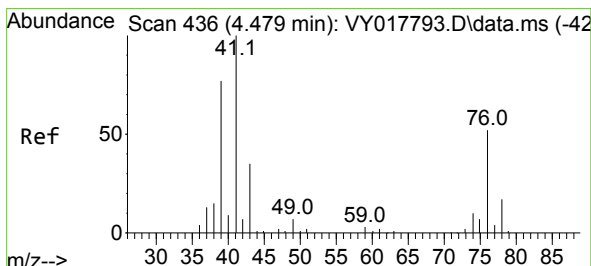
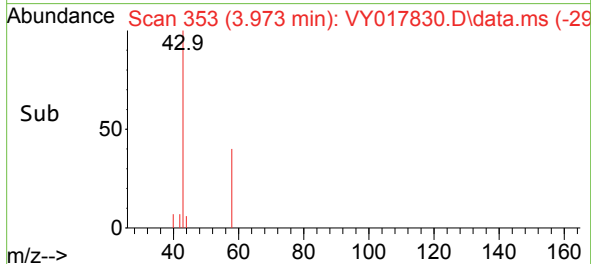
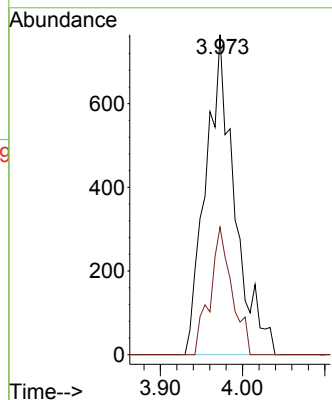
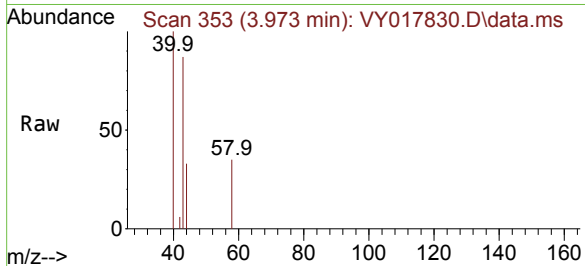
20071

Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

58 39.9 31.7 47.5



#18

Methyl Acetate

Concen: 1.361 ug/l

RT: 4.229 min Scan# 395

Delta R.T. -0.250 min

Lab File: VY017830.D

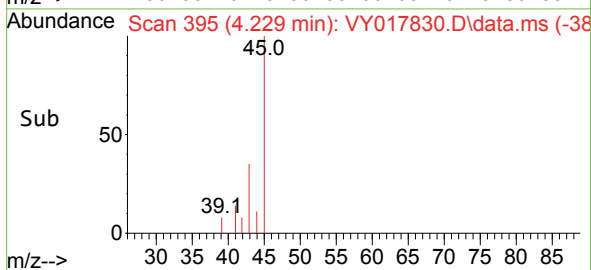
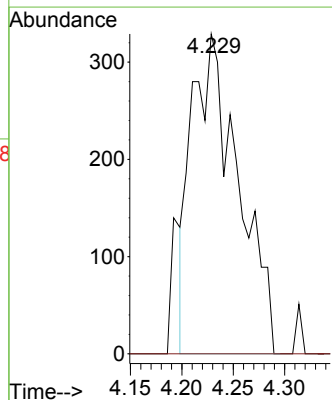
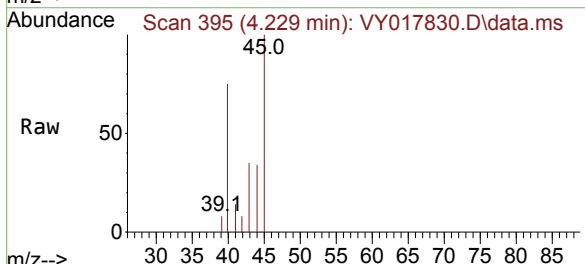
Acq: 03 Apr 2024 12:35

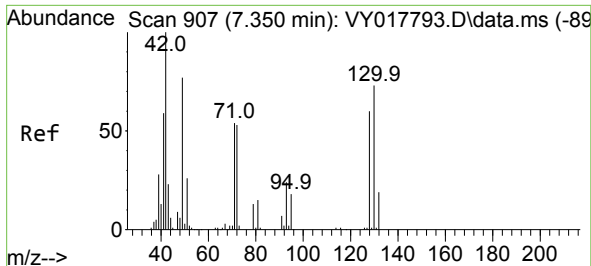
Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#29

Tetrahydrofuran

Concen: 1017.711 ug/l

RT: 7.289 min Scan# 89

Delta R.T. -0.061 min

Lab File: VY017830.D

Acq: 03 Apr 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :

20071

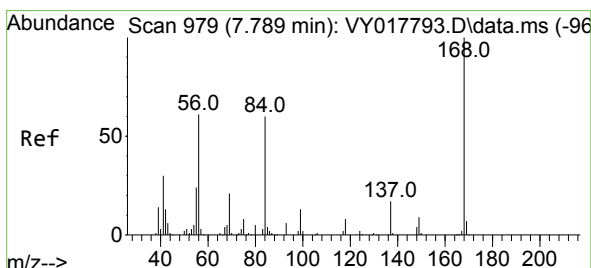
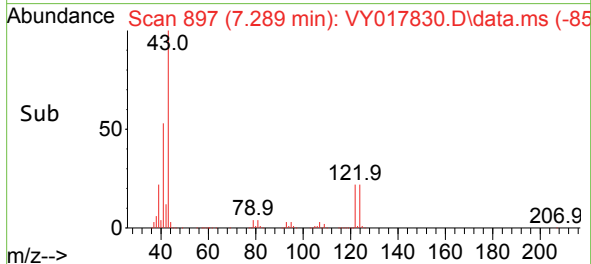
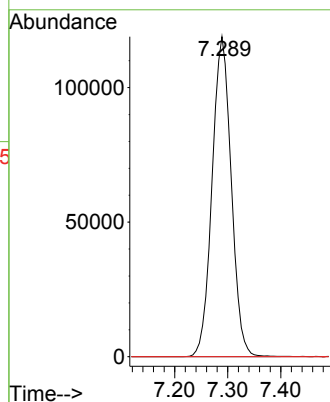
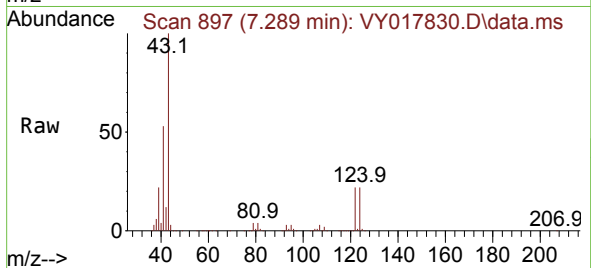
Tgt Ion: 42 Resp: 298166

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.018 min

Lab File: VY017830.D

Acq: 03 Apr 2024 12:35

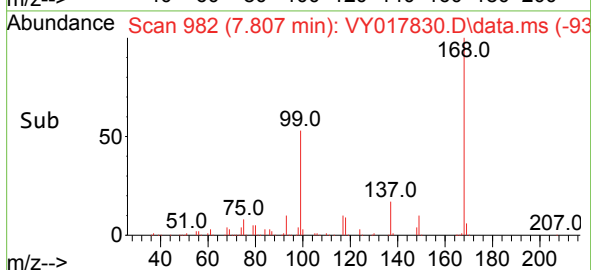
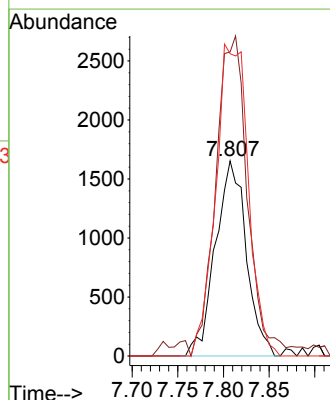
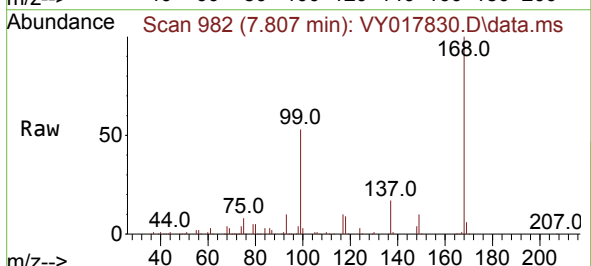
Tgt Ion: 56 Resp: 3885

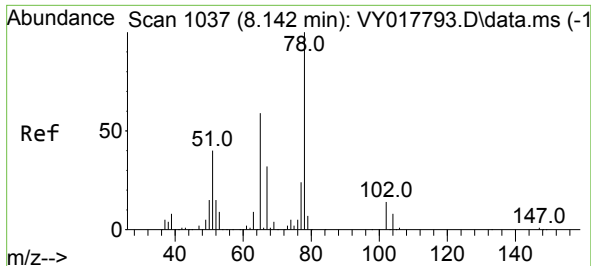
Ion Ratio Lower Upper

56 100

69 148.7 28.7 43.1#

84 154.9 77.7 116.5#

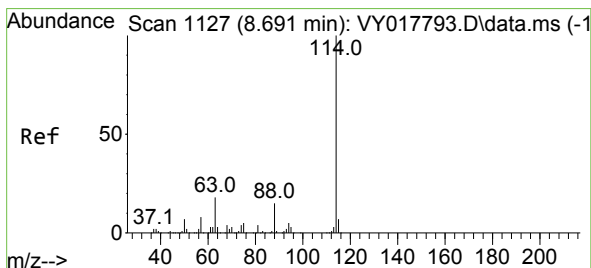
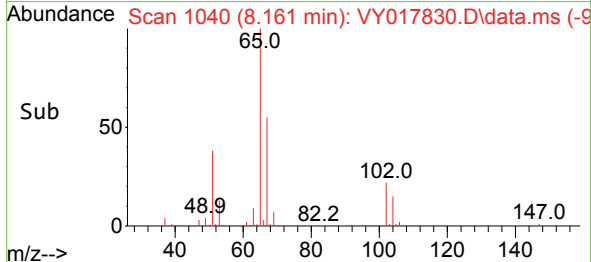
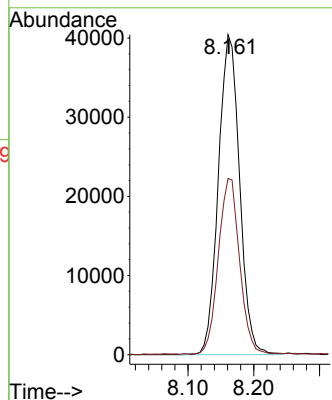
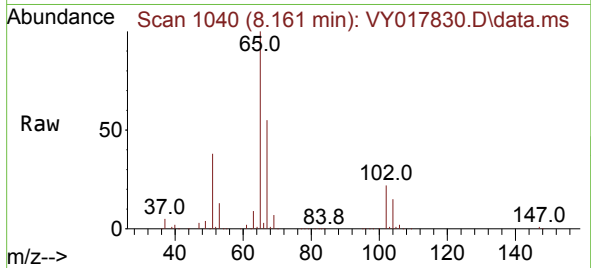




#33
 1,2-Dichloroethane-d4
 Concen: 54.696 ug/l
 RT: 8.161 min Scan# 110
 Delta R.T. 0.018 min
 Lab File: VY017830.D
 Acq: 03 Apr 2024 12:35

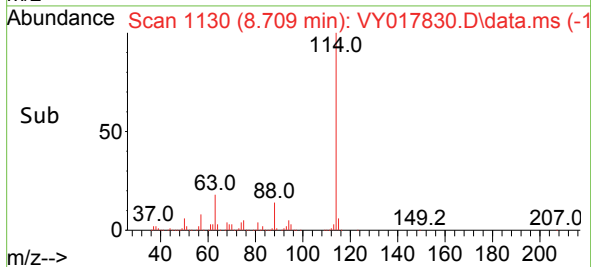
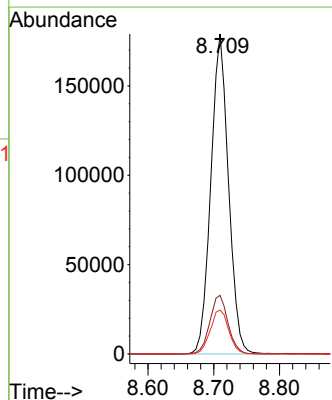
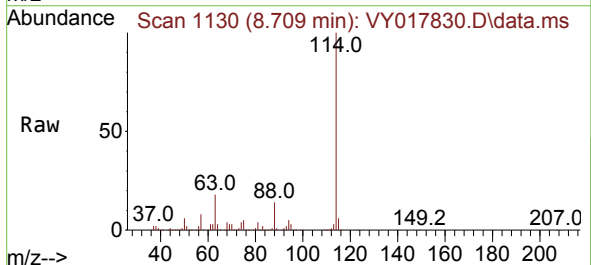
Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

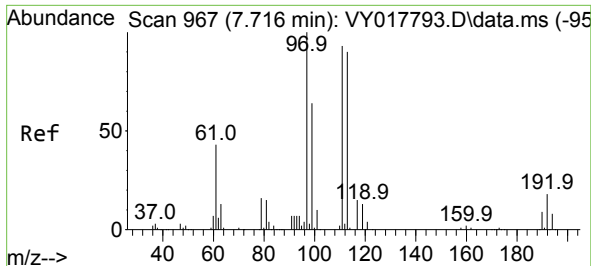
Tgt Ion: 65 Resp: 90694
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.709 min Scan# 1130
 Delta R.T. 0.018 min
 Lab File: VY017830.D
 Acq: 03 Apr 2024 12:35

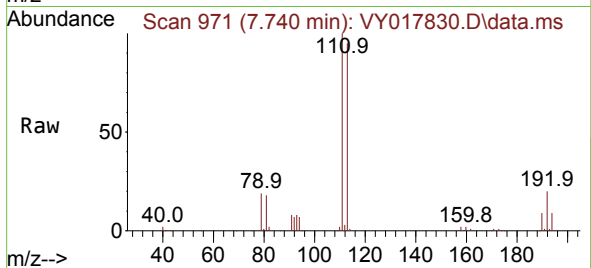
Tgt Ion: 114 Resp: 333911
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.0
 88 13.7 0.0 27.2



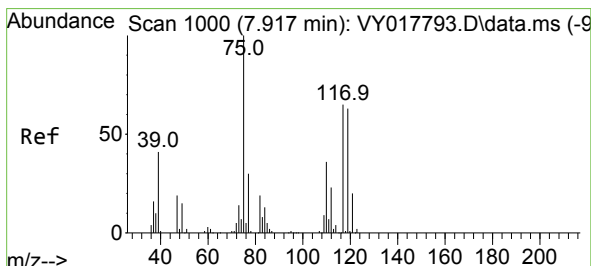
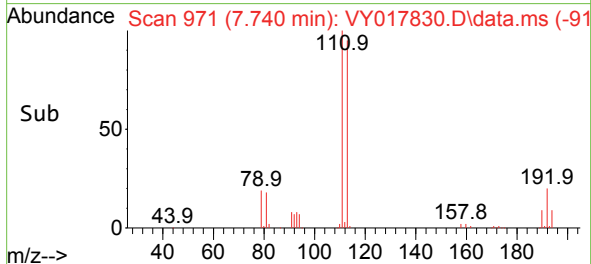
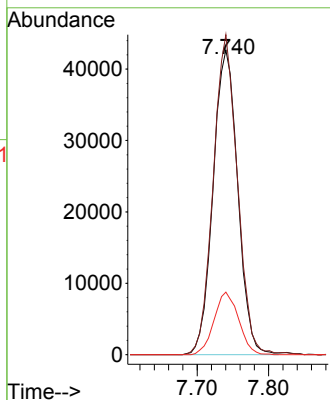


#35
Dibromofluoromethane
Concen: 52.917 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Instrument :
MSVOA_Y
ClientSampleId :
20071

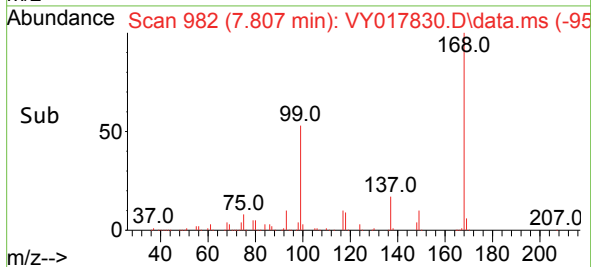
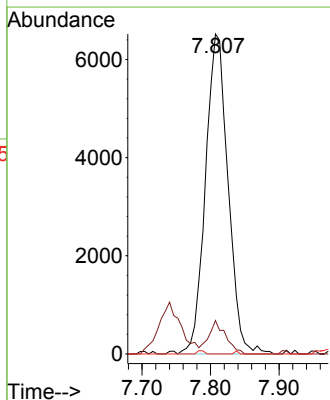
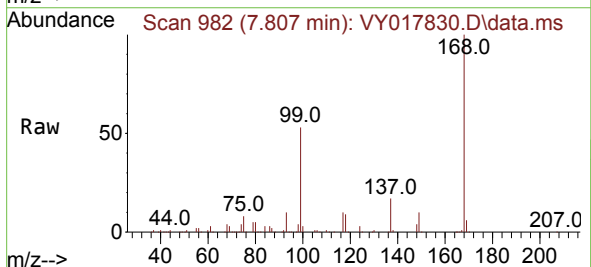


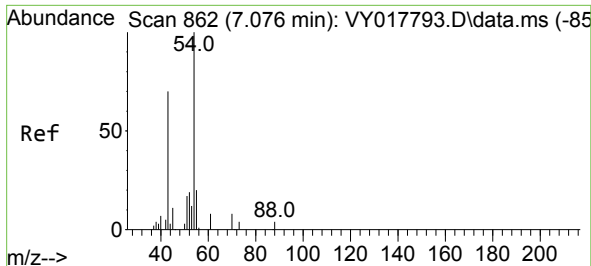
Tgt Ion:113 Resp: 102102
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.306 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 75 Resp: 14937
Ion Ratio Lower Upper
75 100
110 7.9 19.0 57.0#
77 0.0 25.3 37.9#

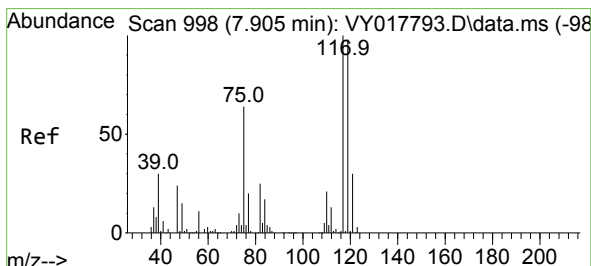
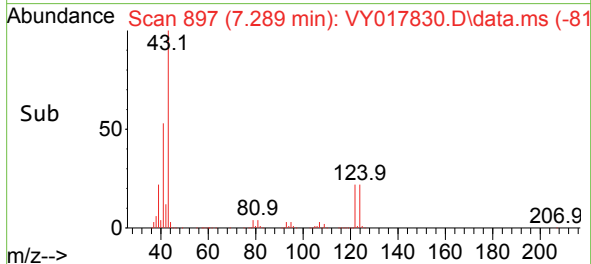
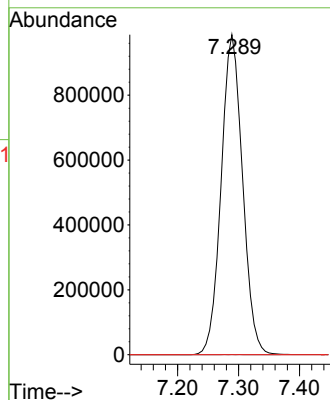
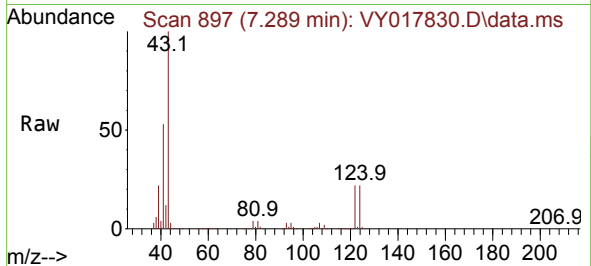




#37
Ethyl Acetate
Concen: 1982.270 ug/l
RT: 7.289 min Scan# 897
Delta R.T. 0.213 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

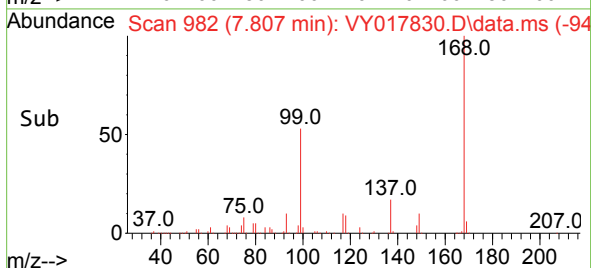
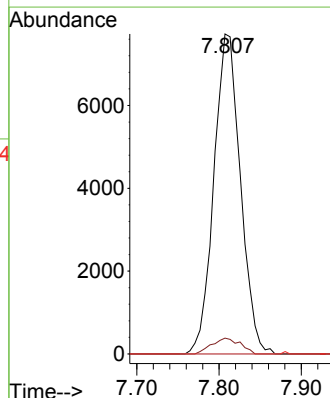
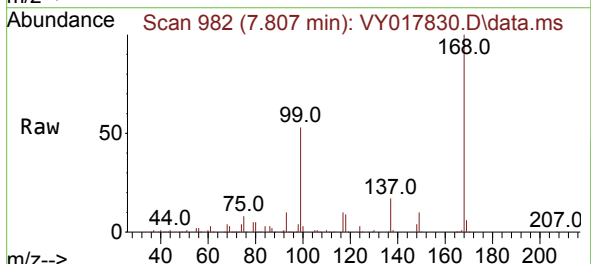
Instrument :
MSVOA_Y
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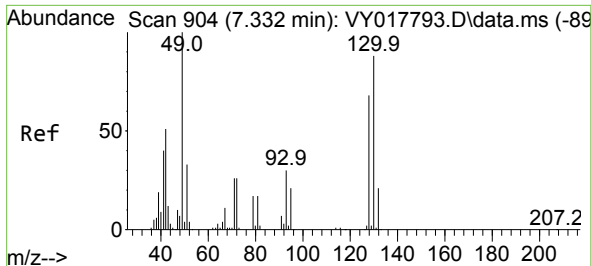
Tgt Ion: 43 Resp: 2408290
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.098 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 117 Resp: 17341
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#

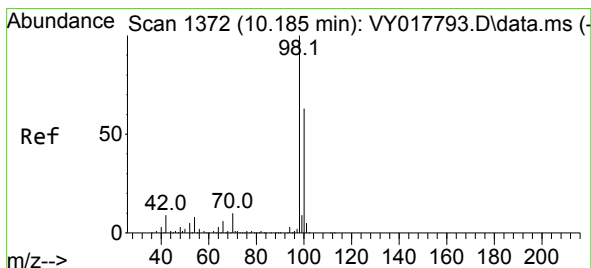
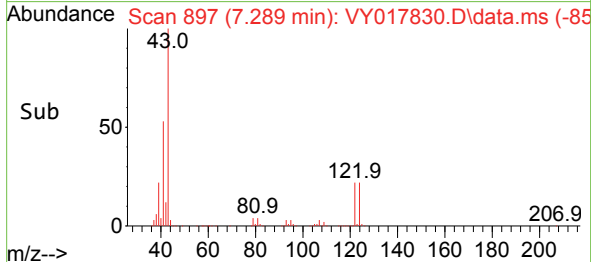
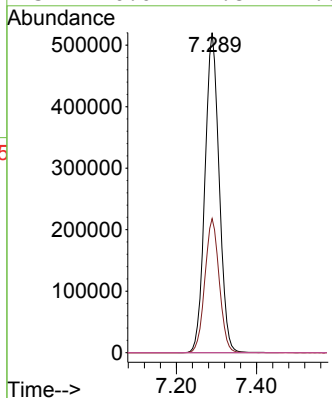
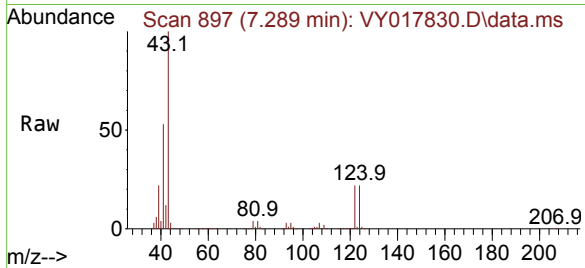




#41
Methacrylonitrile
Concen: 592.367 ug/l
RT: 7.289 min Scan# 89
Delta R.T. -0.043 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

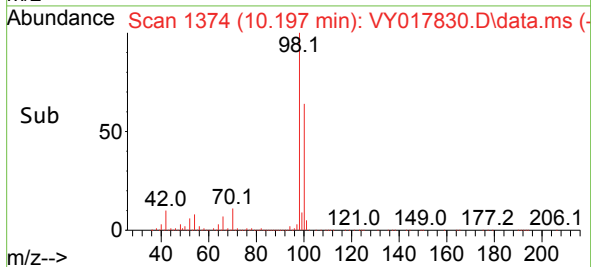
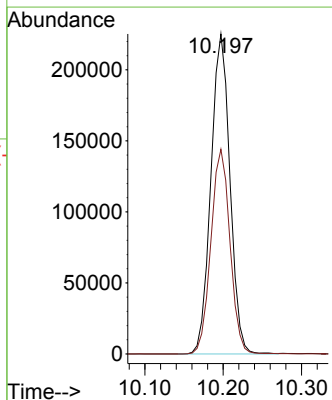
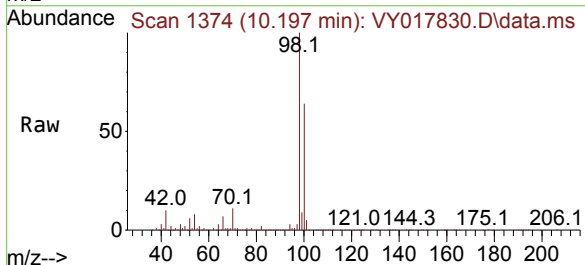
Instrument :
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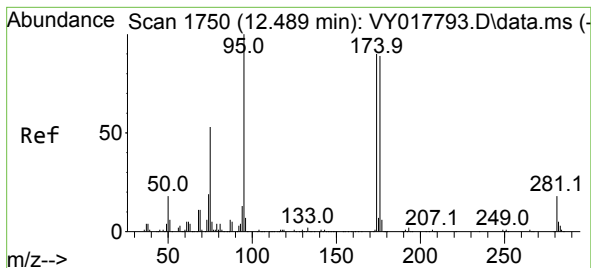
Tgt Ion: 41 Resp: 1278451
Ion Ratio Lower Upper
41 100
39 42.4 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



#50
Toluene-d8
Concen: 52.773 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.012 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 98 Resp: 380357
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

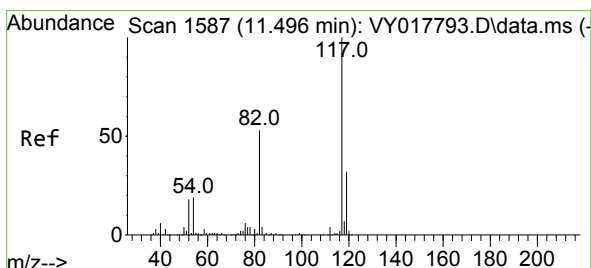
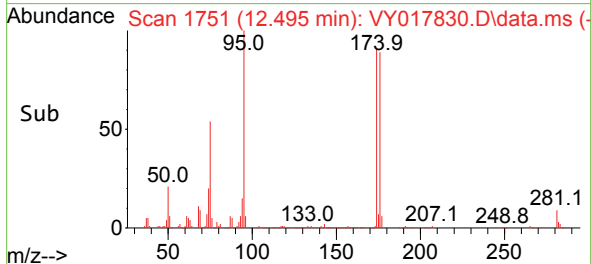
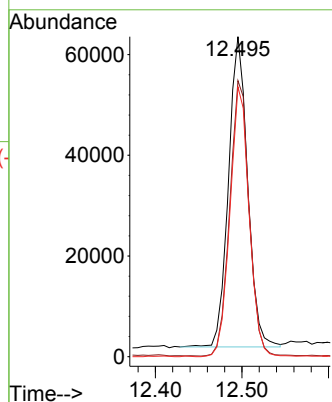
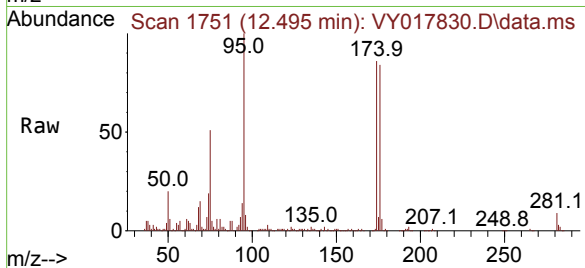




#62
4-Bromofluorobenzene
Concen: 43.130 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

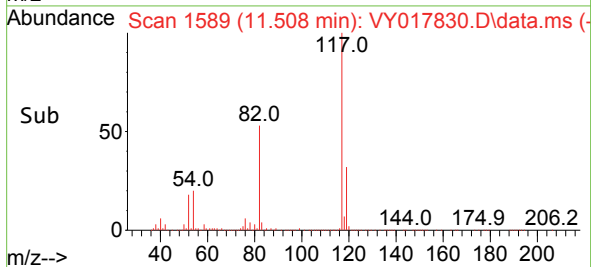
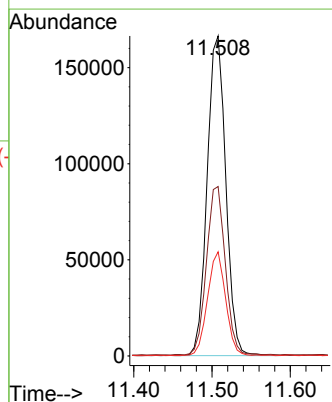
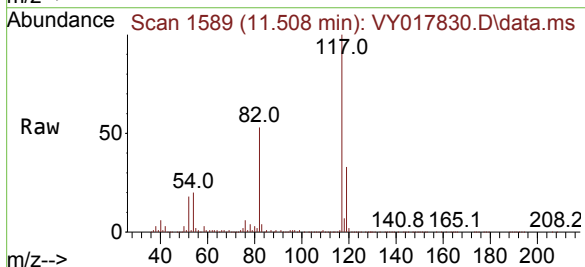
Instrument :
MSVOA_Y
ClientSampleId :
20071

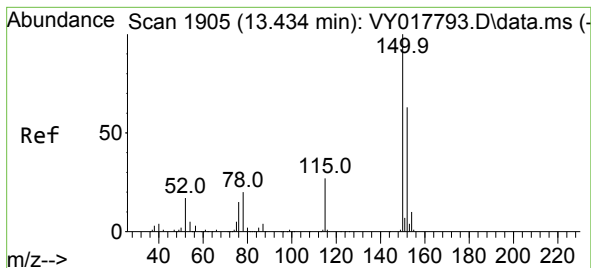
Tgt Ion: 95 Resp: 94579
Ion Ratio Lower Upper
95 100
174 90.1 0.0 175.6
176 86.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.012 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 117 Resp: 274835
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 32.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017830.D

Acq: 03 Apr 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :

20071

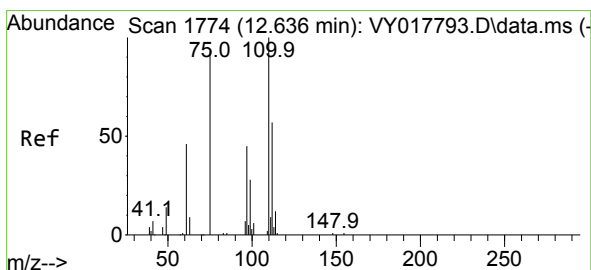
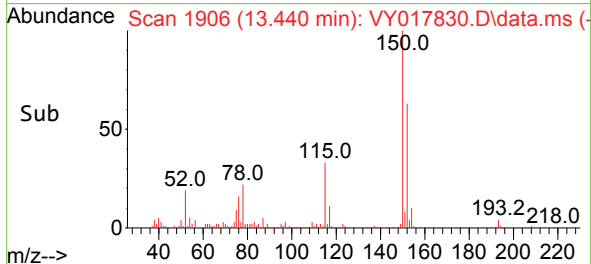
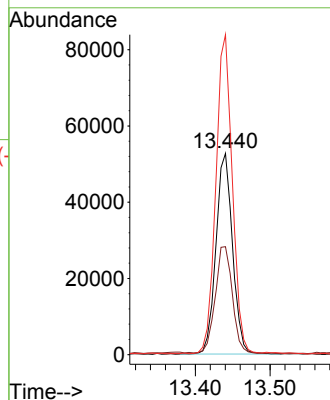
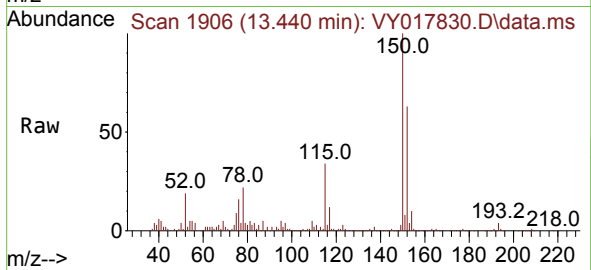
Tgt Ion:152 Resp: 81149

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

150 156.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.991 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.140 min

Lab File: VY017830.D

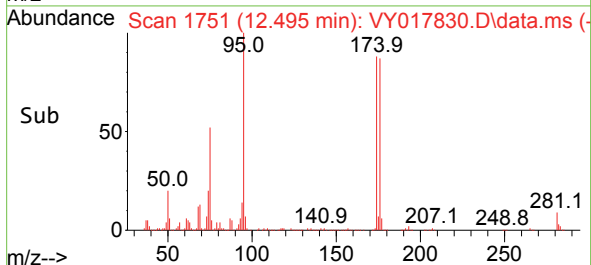
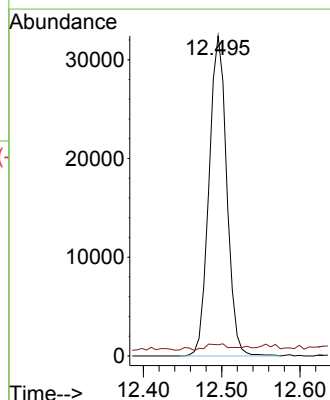
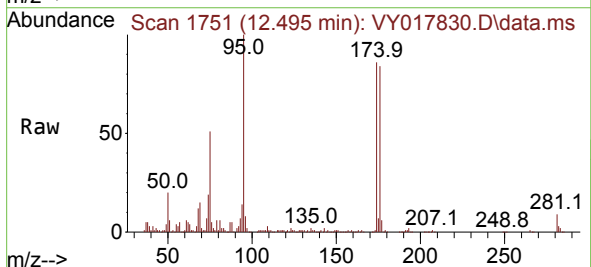
Acq: 03 Apr 2024 12:35

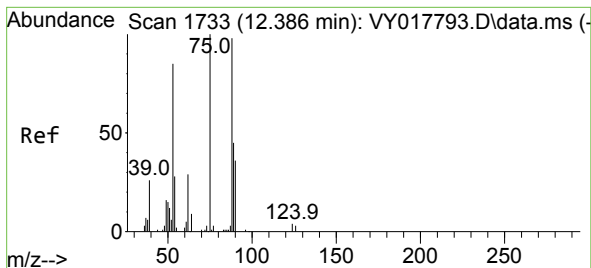
Tgt Ion: 75 Resp: 51017

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#

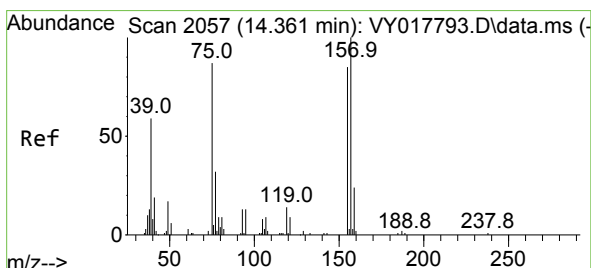
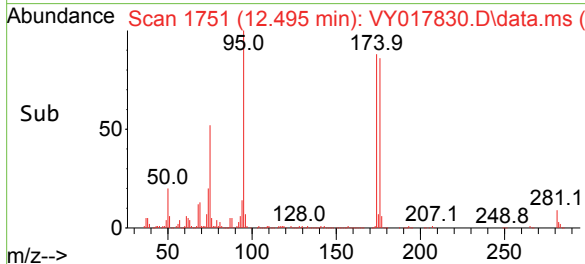
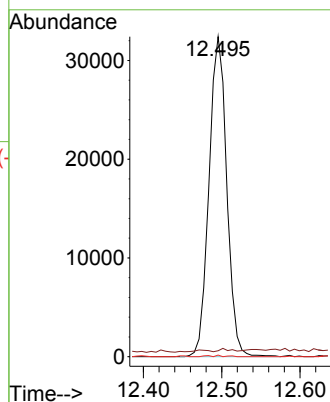
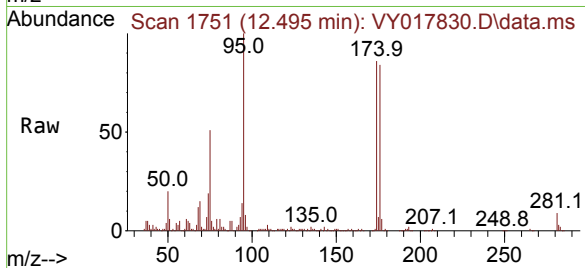




#81
trans-1,4-Dichloro-2-butene
Concen: 127.083 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

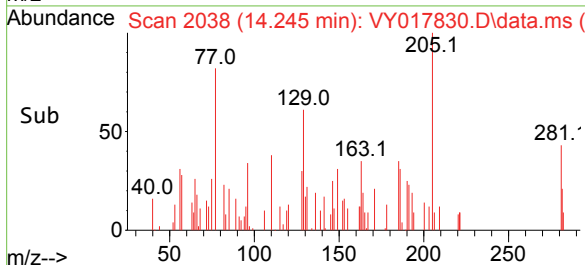
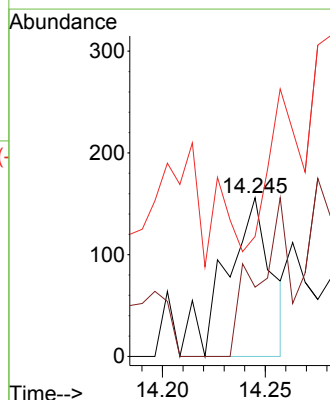
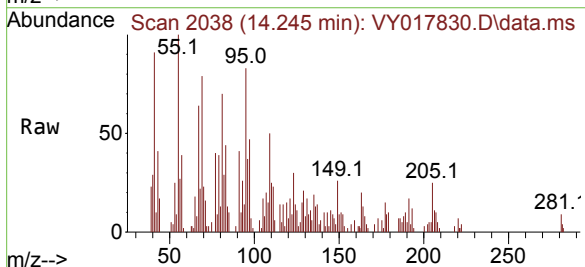
Instrument :
MSVOA_Y
ClientSampleId :
20071

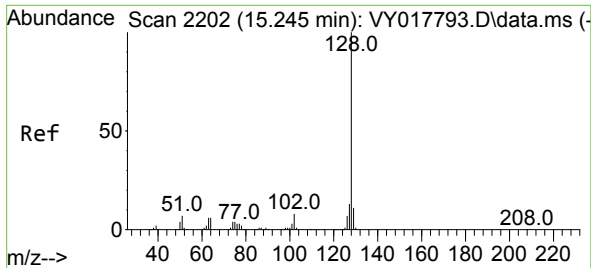
Tgt Ion: 75 Resp: 51017
Ion Ratio Lower Upper
75 100
53 0.6 66.8 100.2#
89 0.1 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.805 ug/l
RT: 14.245 min Scan# 2038
Delta R.T. -0.116 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Tgt Ion: 75 Resp: 240
Ion Ratio Lower Upper
75 100
155 67.5 48.6 145.8
157 69.2 62.7 188.2





#95
Naphthalene
Concen: 1.228 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY017830.D
Acq: 03 Apr 2024 12:35

Instrument :
MSVOA_Y
ClientSampleId :
20071

Tgt Ion:128 Resp: 844
Ion Ratio Lower Upper
128 100
127 15.9 10.6 16.0
129 0.0 8.6 13.0#

