

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
 Data File : VY016193.D
 Acq On : 02 Nov 2023 16:22
 Operator : SY/MD
 Sample : 05220-03
 Misc : 2.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 03 03:16:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

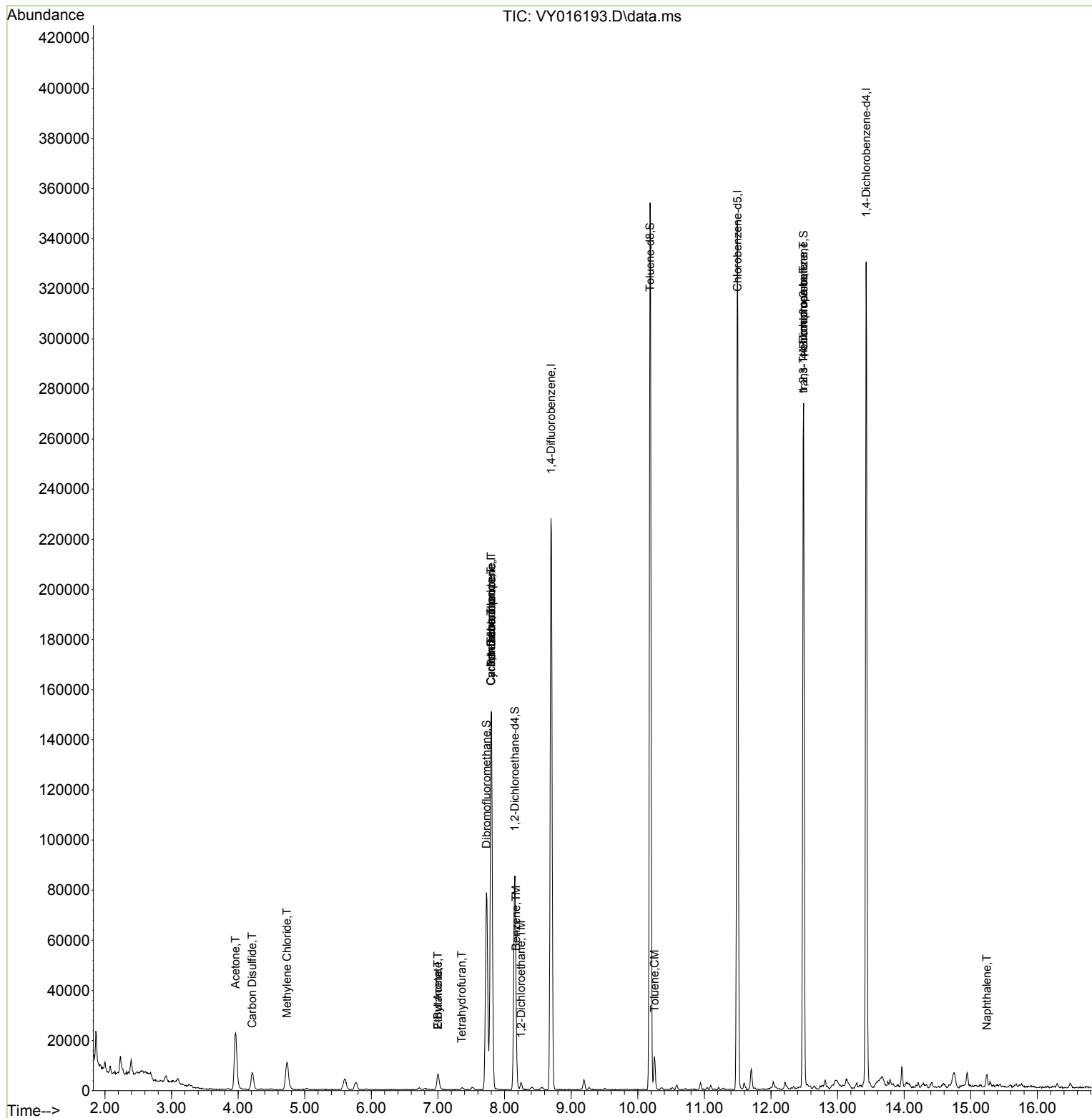
Internal Standards						
1) Pentafluorobenzene	7.801	168	118717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	204455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	190681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	65845	59.273	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.540%			
35) Dibromofluoromethane	7.728	113	56433	46.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.600%			
50) Toluene-d8	10.185	98	235890	48.811	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.620%			
62) 4-Bromofluorobenzene	12.489	95	81713	49.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.900%			
Target Compounds						
					Qvalue	
13) Acrolein	3.741	56	68	Below Cal	#	14
16) Acetone	3.960	43	40849	228.734	ug/l #	89
17) Carbon Disulfide	4.210	76	14131	6.025	ug/l	98
20) Methylene Chloride	4.735	84	8471	4.740	ug/l	88
25) 2-Butanone	6.997	43	11160	36.414	ug/l	94
29) Tetrahydrofuran	7.356	42	545	2.837	ug/l #	90
31) Cyclohexane	7.795	56	2715	1.590	ug/l #	9
36) 1,1-Dichloropropene	7.801	75	8735	4.963	ug/l #	50
37) Ethyl Acetate	6.997	43	11160	14.236	ug/l #	71
38) Carbon Tetrachloride	7.795	117	11673	6.694	ug/l #	16
40) Benzene	8.173	78	7620	1.508	ug/l	98
42) 1,2-Dichloroethane	8.246	62	2321	1.646	ug/l	86
52) Toluene	10.252	92	5882	1.796	ug/l	87
76) 1,2,3-Trichloropropane	12.483	75	42686	53.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42686	116.870	ug/l #	11
95) Naphthalene	15.239	128	4406	1.505	ug/l #	92

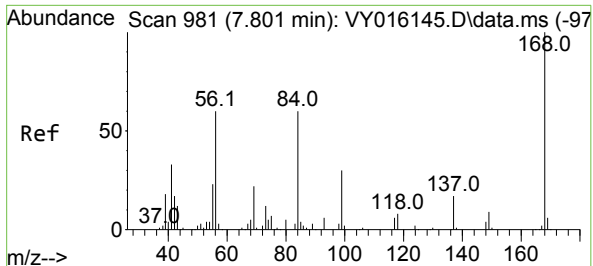
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
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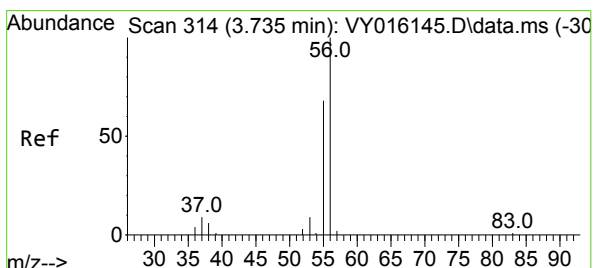
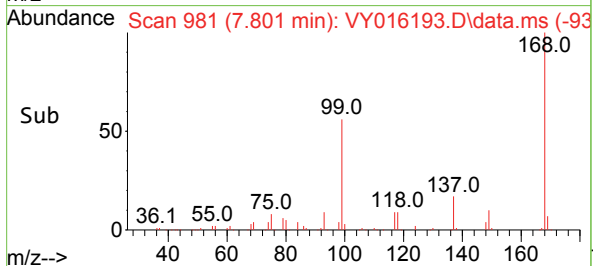
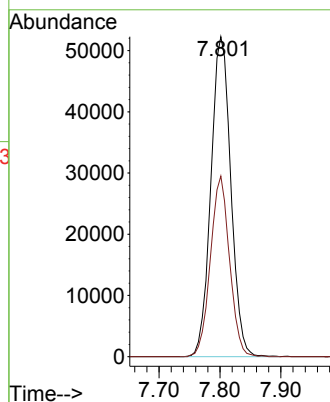
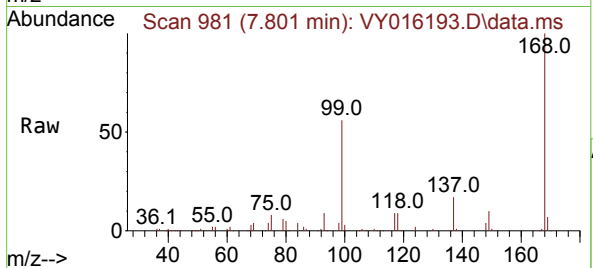




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

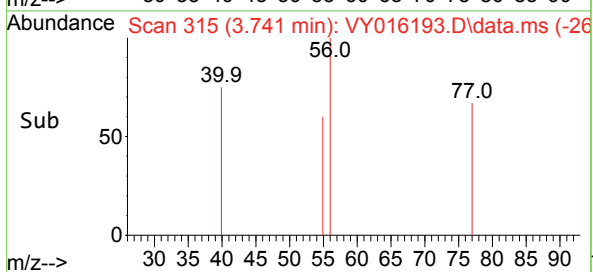
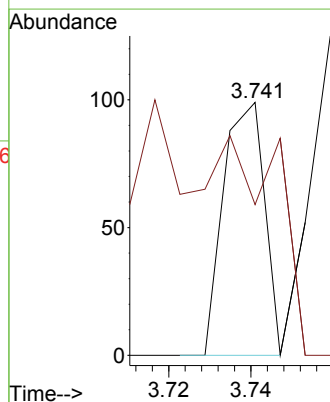
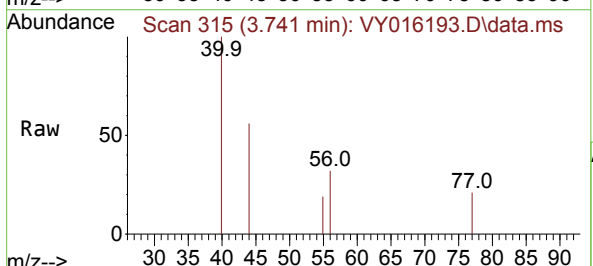
Instrument :
MSVOA_Y
ClientSampleId :

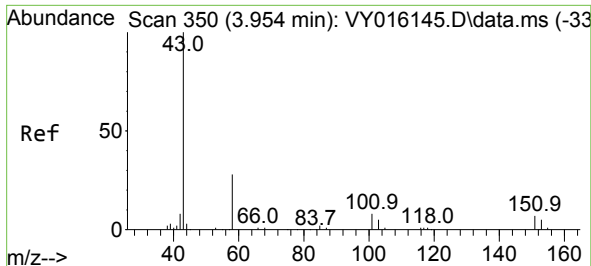
Tgt Ion:168 Resp: 118717
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

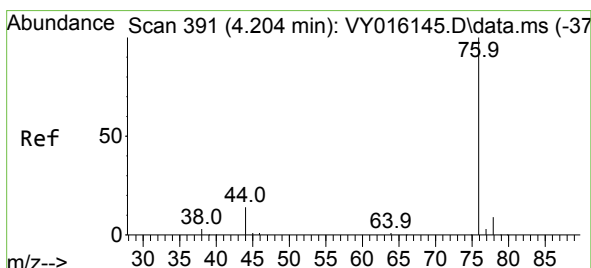
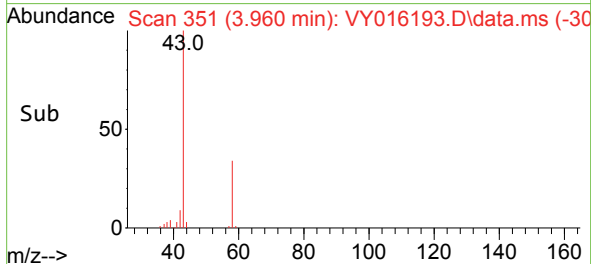
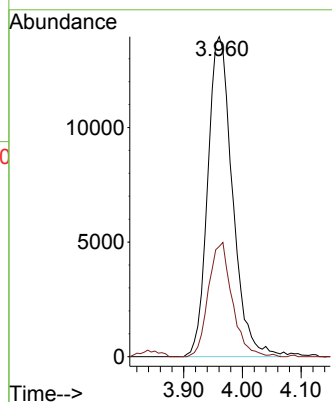
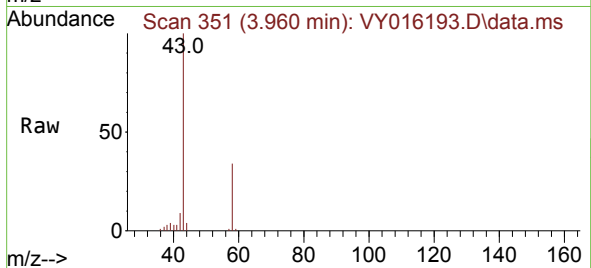




#16
Acetone
Concen: 228.734 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

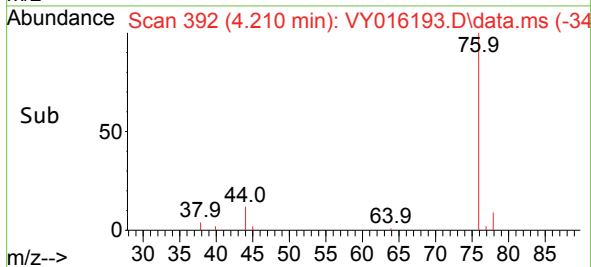
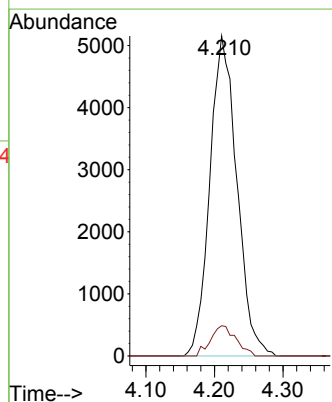
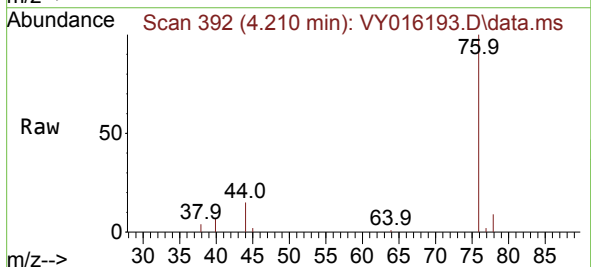
Instrument :
MSVOA_Y
ClientSampleId :

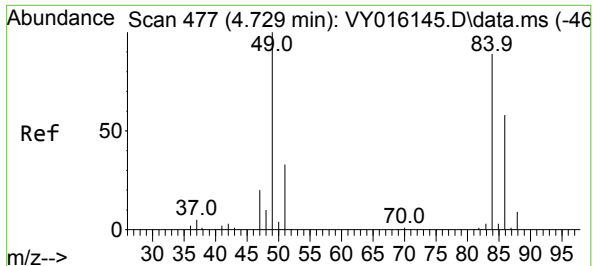
Tgt Ion: 43 Resp: 40849
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#



#17
Carbon Disulfide
Concen: 6.025 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 76 Resp: 14131
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4





#20

Methylene Chloride

Concen: 4.740 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.006 min

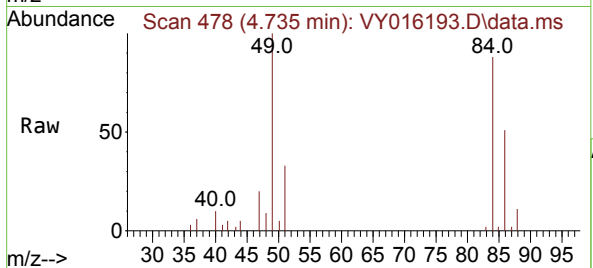
Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8471

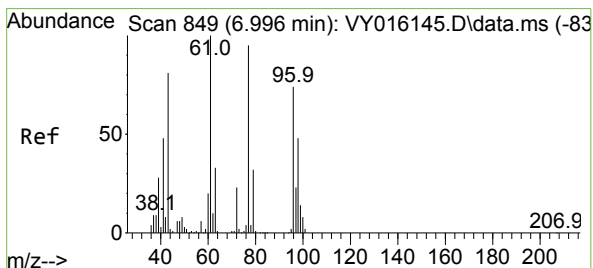
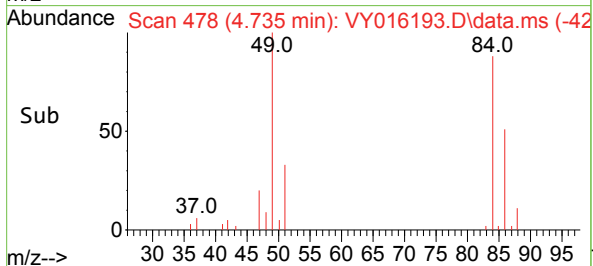
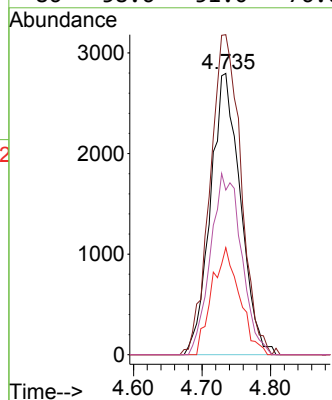
Ion Ratio Lower Upper

84 100

49 113.8 106.9 160.3

51 38.0 33.2 49.8

86 58.6 51.0 76.6



#25

2-Butanone

Concen: 36.414 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016193.D

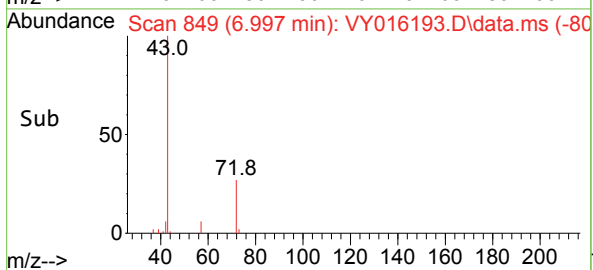
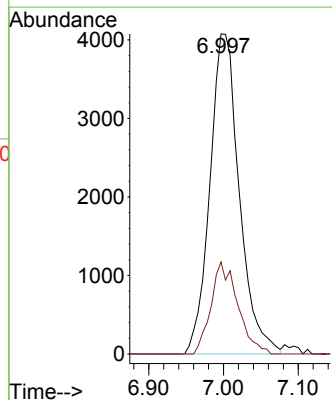
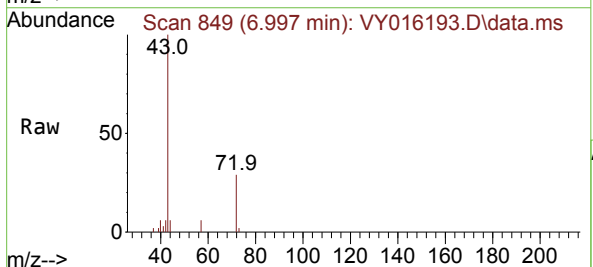
Acq: 02 Nov 2023 16:22

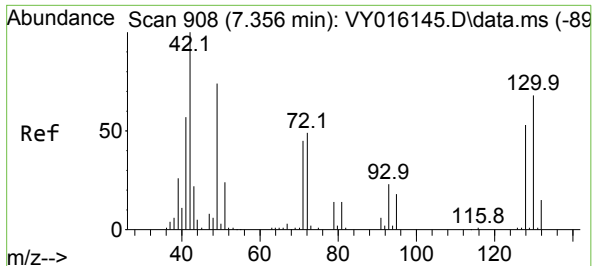
Tgt Ion: 43 Resp: 11160

Ion Ratio Lower Upper

43 100

72 28.8 20.5 30.7





#29

Tetrahydrofuran

Concen: 2.837 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY016193.D

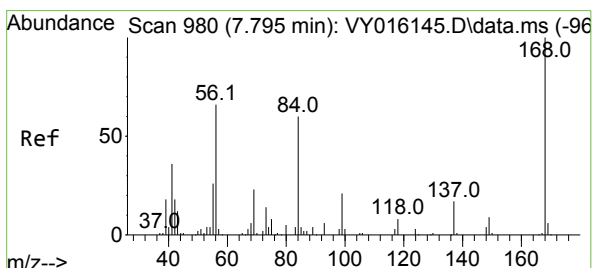
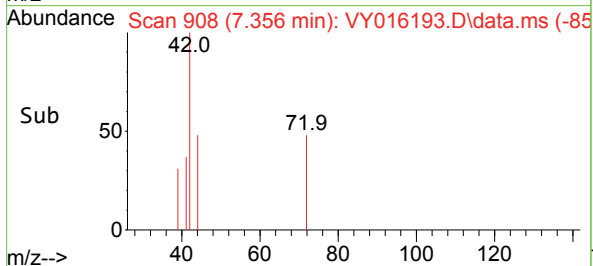
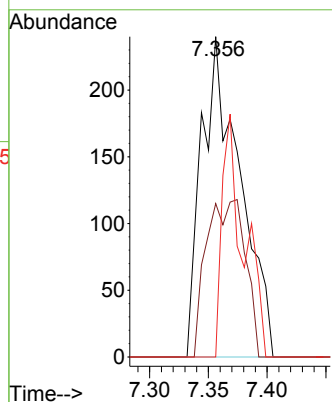
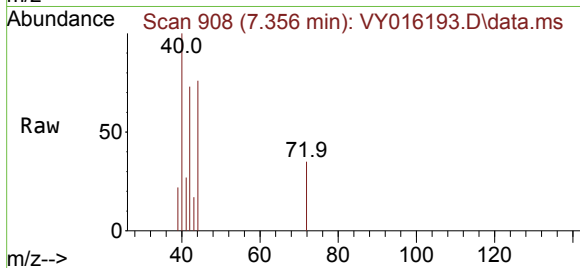
Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	545
Ion	Ratio	Lower	Upper
42	100		
72	49.7	32.8	49.2#
71	42.0	31.0	46.4



#31

Cyclohexane

Concen: 1.590 ug/l

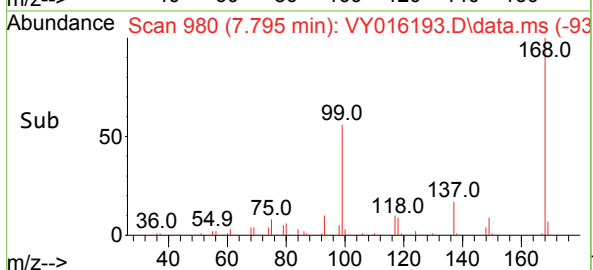
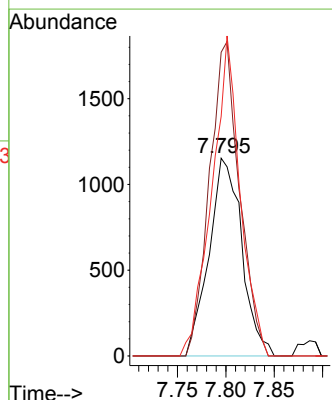
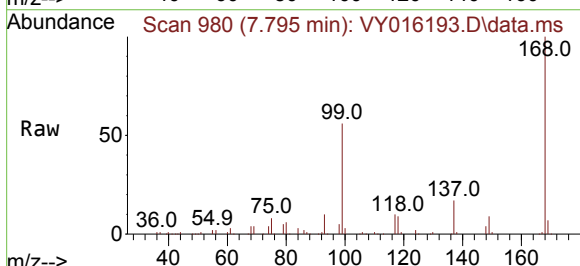
RT: 7.795 min Scan# 980

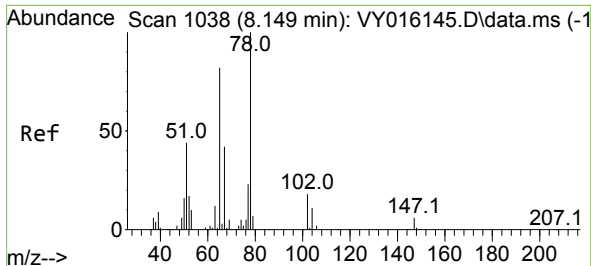
Delta R.T. 0.000 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Tgt Ion:	56	Resp:	2715
Ion	Ratio	Lower	Upper
56	100		
69	153.6	27.8	41.6#
84	121.2	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.273 ug/l

RT: 8.155 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

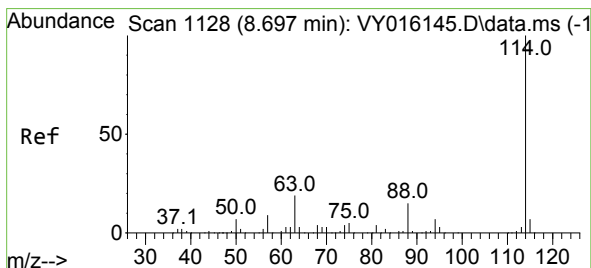
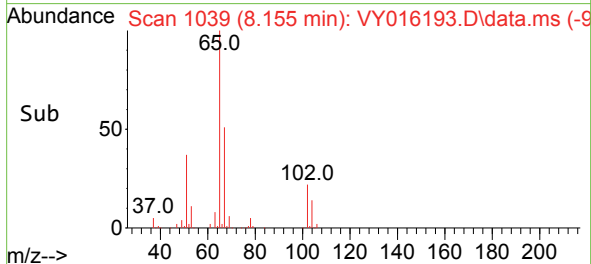
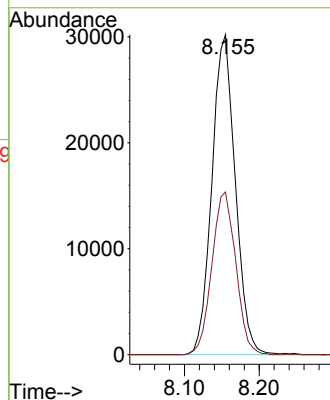
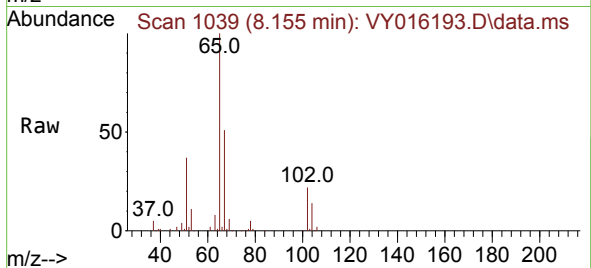
ClientSampleId :

Tgt Ion: 65 Resp: 65845

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

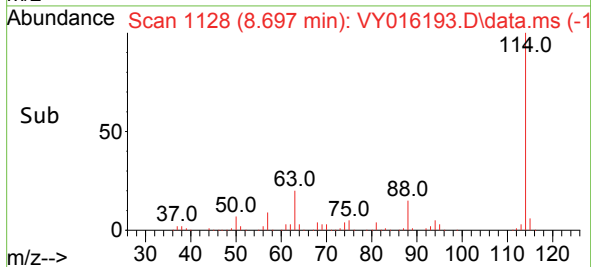
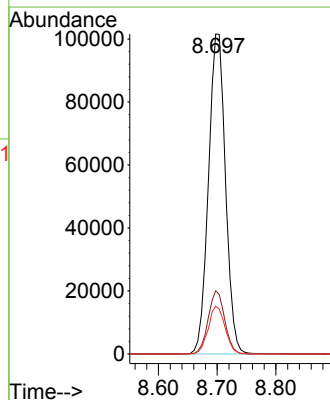
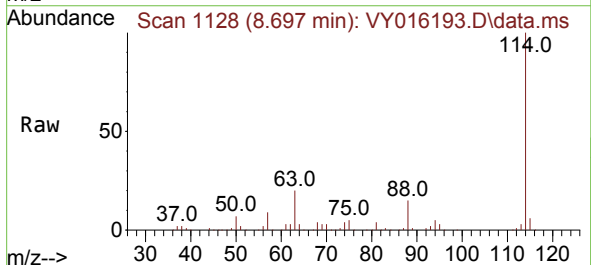
Tgt Ion:114 Resp: 204455

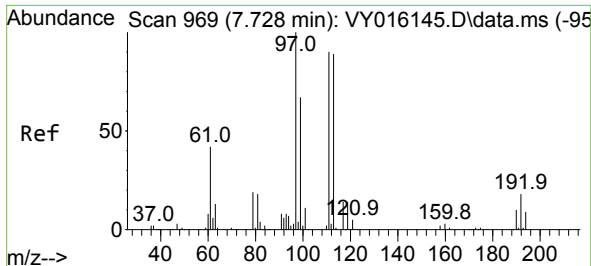
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 14.9 0.0 30.6

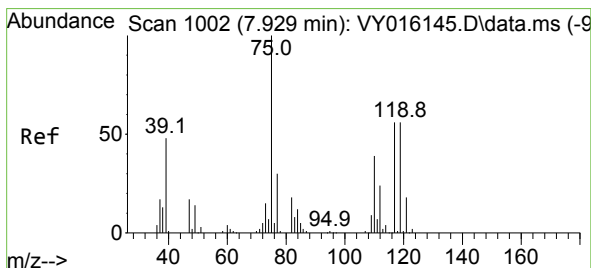
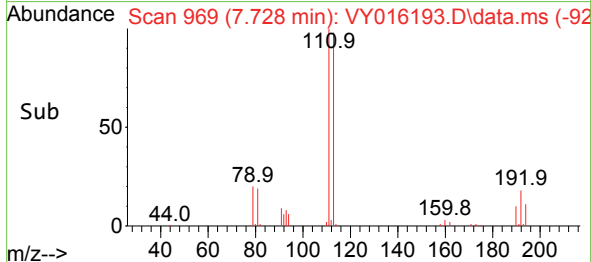
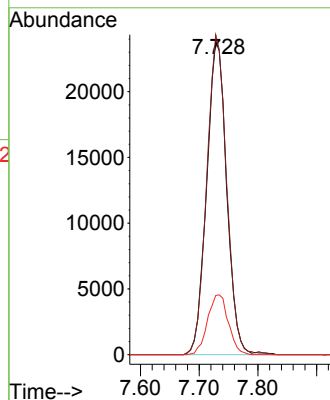
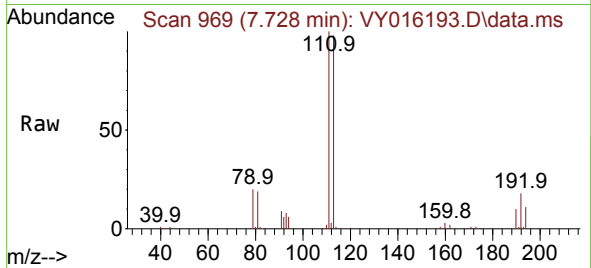




#35
Dibromofluoromethane
Concen: 46.298 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

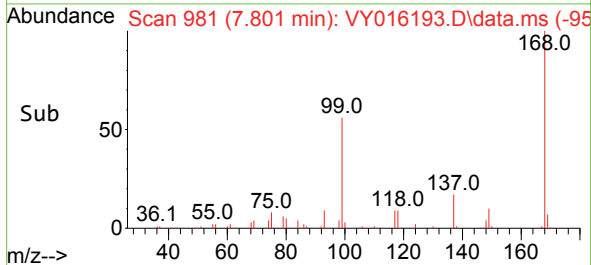
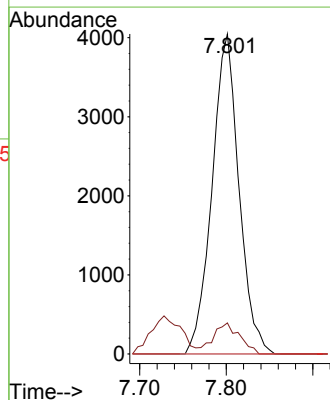
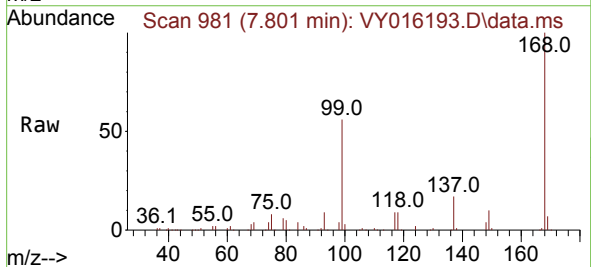
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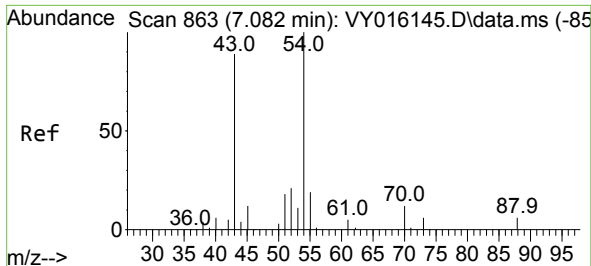
Tgt Ion:113 Resp: 56433
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.963 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

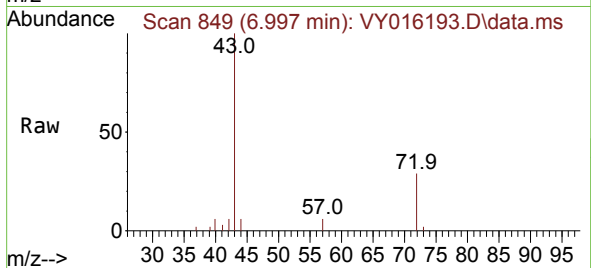
Tgt Ion: 75 Resp: 8735
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



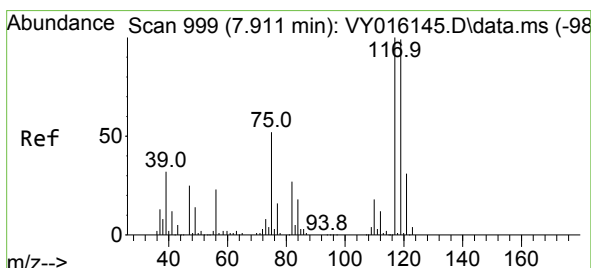
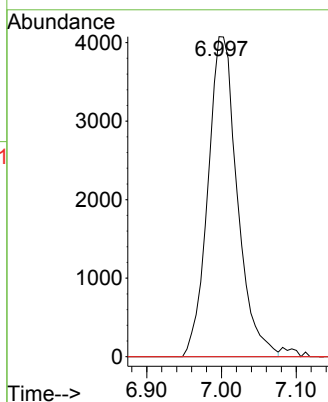
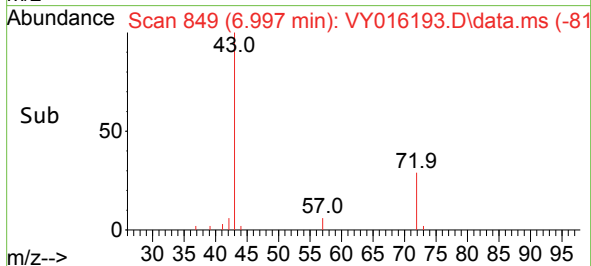


#37
Ethyl Acetate
Concen: 14.236 ug/l
RT: 6.997 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Instrument :
MSVOA_Y
ClientSampleId :

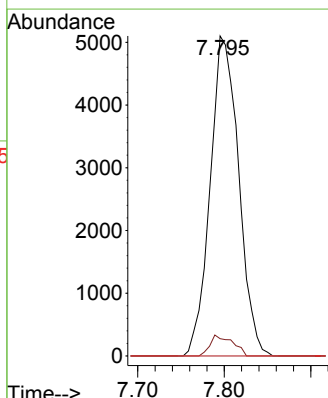
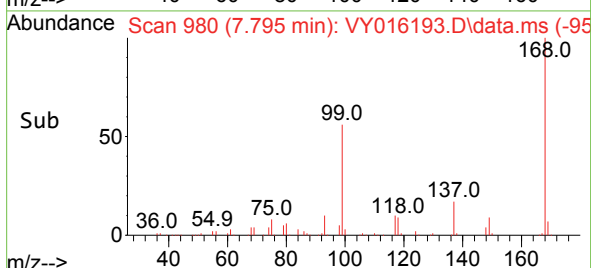
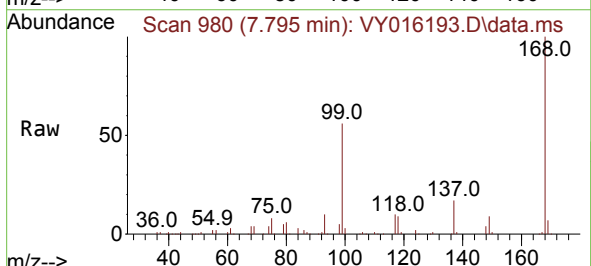


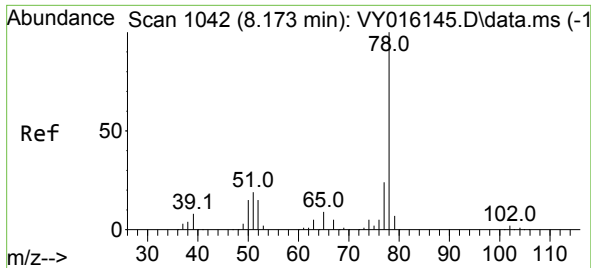
Tgt Ion: 43 Resp: 11160
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.694 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 117 Resp: 11673
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#

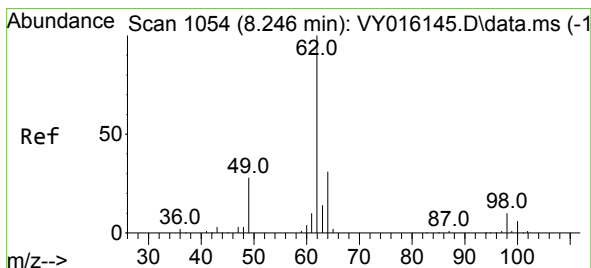
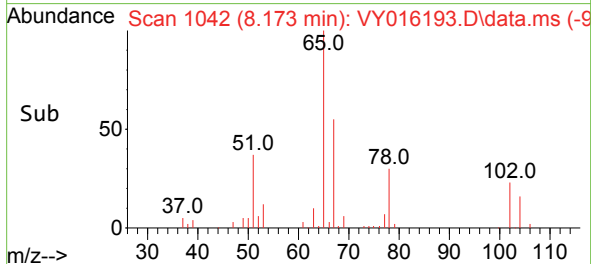
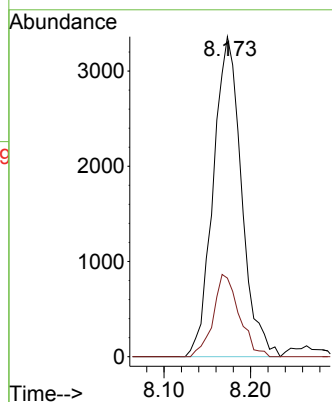
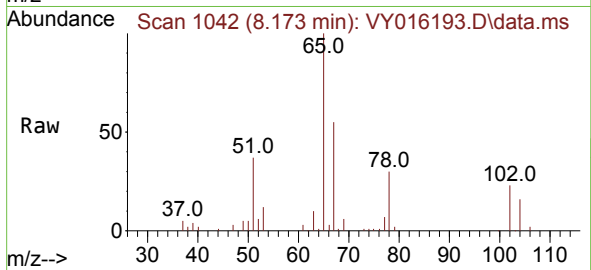




#40
Benzene
Concen: 1.508 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

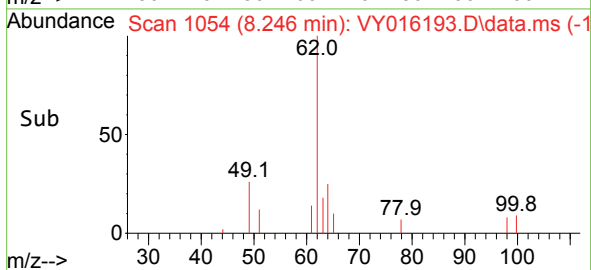
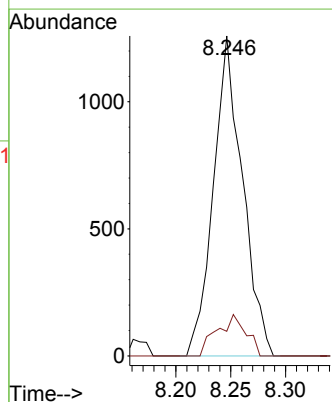
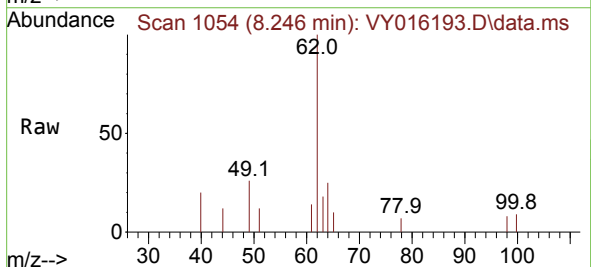
Instrument :
MSVOA_Y
ClientSampleId :

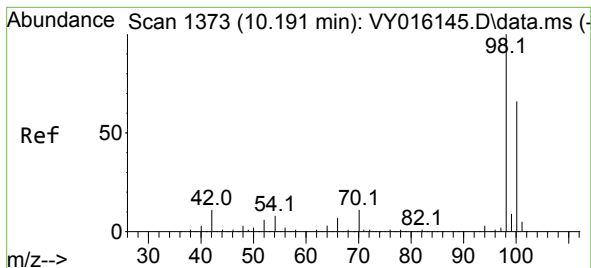
Tgt Ion: 78 Resp: 7620
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



#42
1,2-Dichloroethane
Concen: 1.646 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 62 Resp: 2321
Ion Ratio Lower Upper
62 100
98 12.9 0.0 15.8





#50

Toluene-d8

Concen: 48.811 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

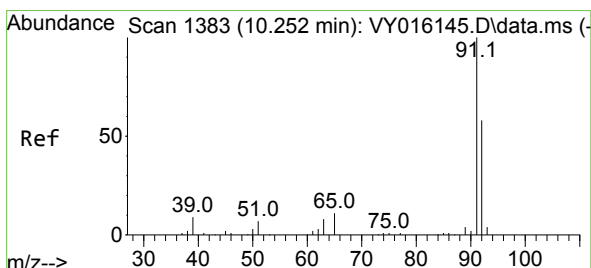
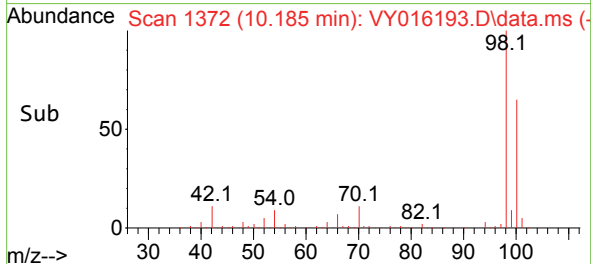
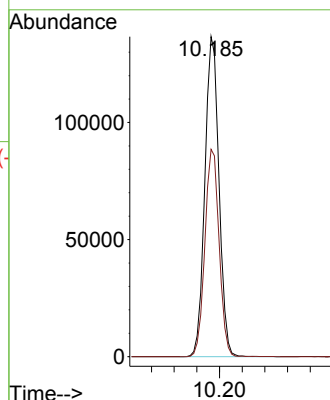
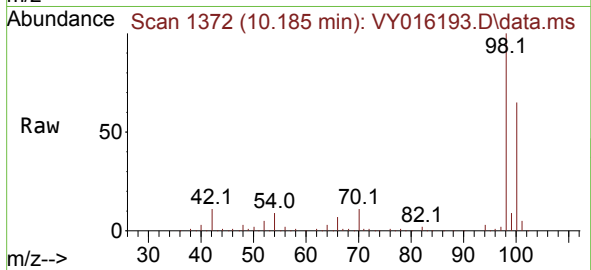
ClientSampleId :

Tgt Ion: 98 Resp: 235890

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#52

Toluene

Concen: 1.796 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VY016193.D

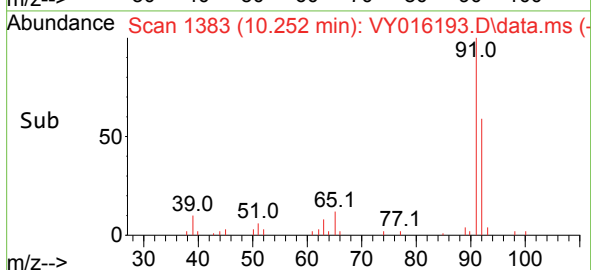
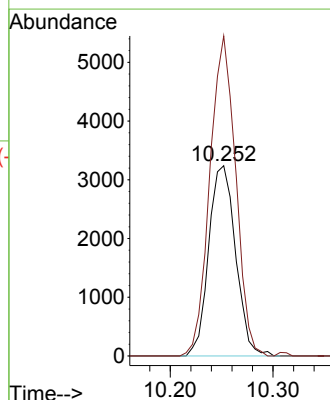
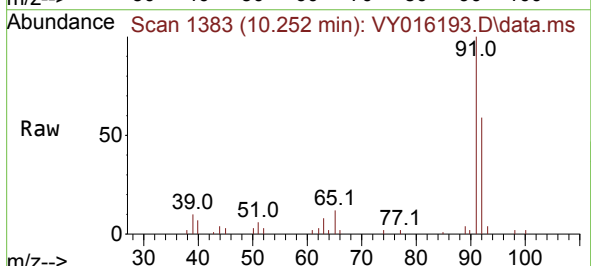
Acq: 02 Nov 2023 16:22

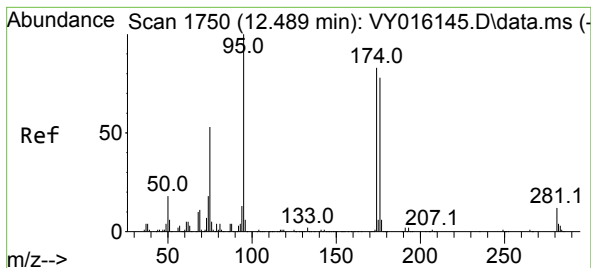
Tgt Ion: 92 Resp: 5882

Ion Ratio Lower Upper

92 100

91 161.7 143.8 215.6

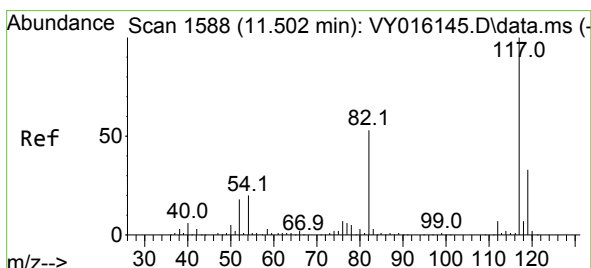
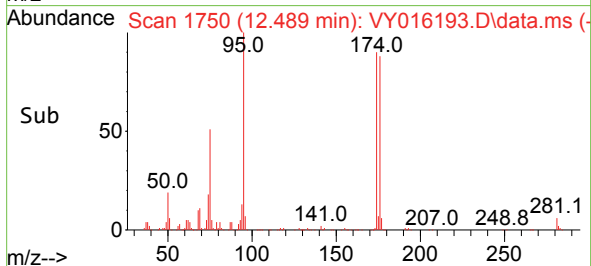
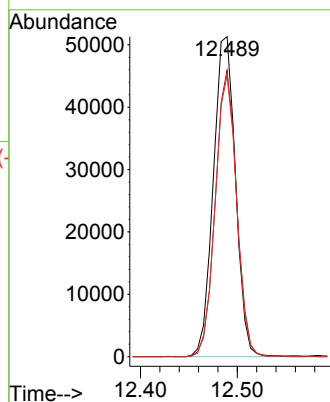
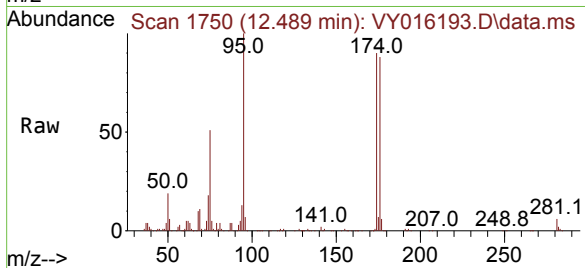




#62
4-Bromofluorobenzene
Concen: 49.447 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

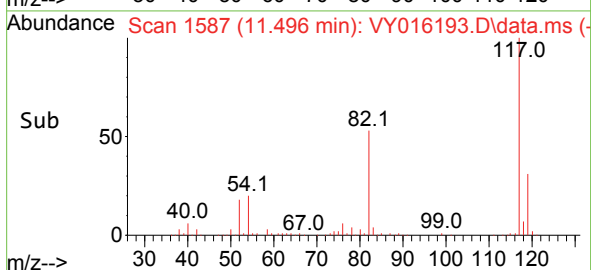
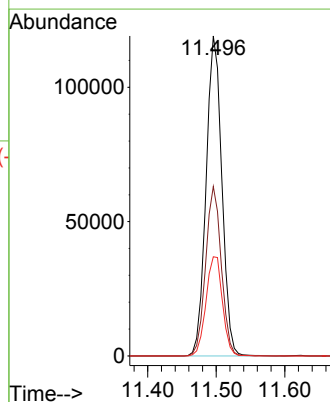
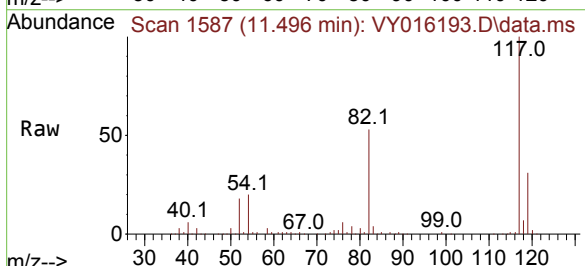
Instrument :
MSVOA_Y
ClientSampleId :

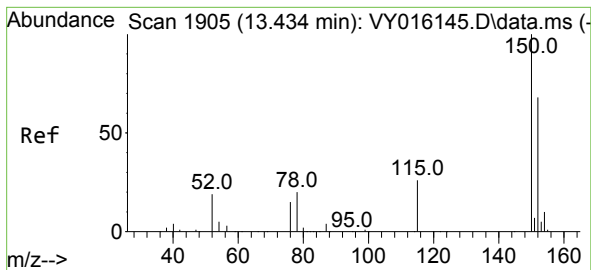
Tgt Ion: 95 Resp: 81713
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 84.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

Tgt Ion: 117 Resp: 190681
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 31.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1905

Delta R.T. -0.006 min

Lab File: VY016193.D

Acq: 02 Nov 2023 16:22

Instrument :

MSVOA_Y

ClientSampleId :

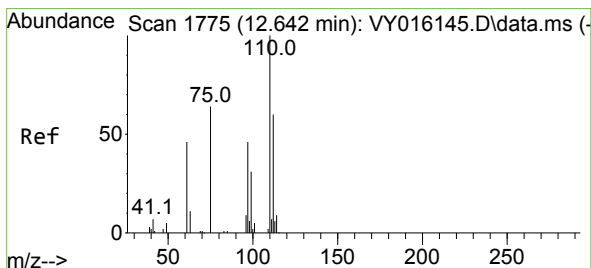
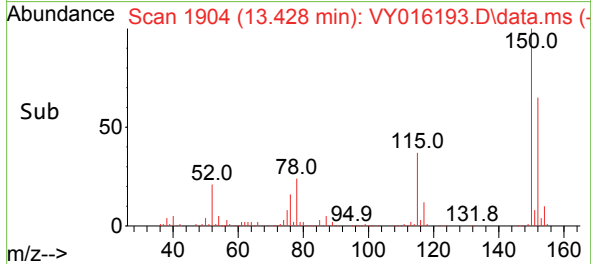
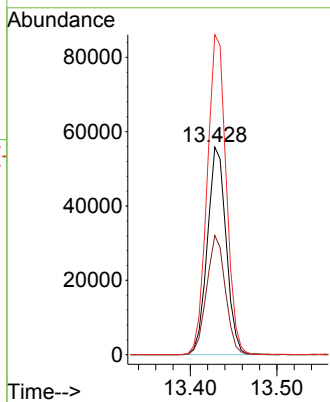
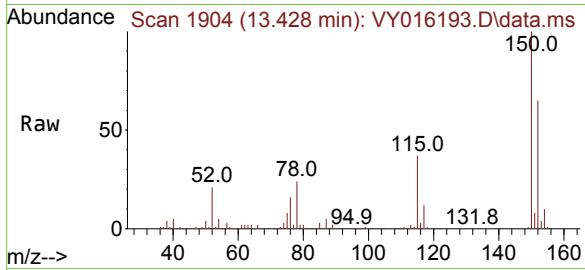
Tgt Ion:152 Resp: 84095

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 53.901 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY016193.D

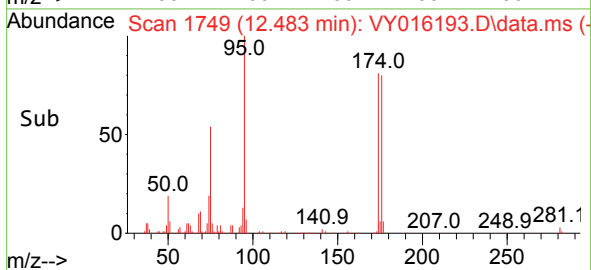
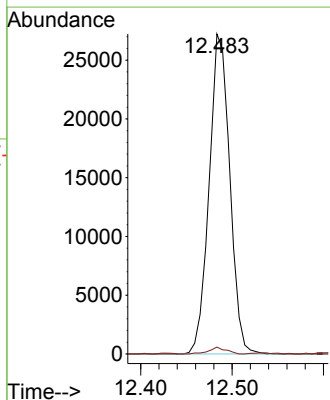
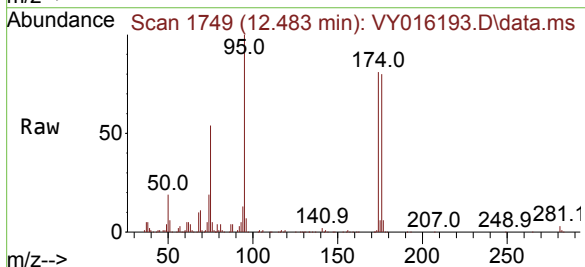
Acq: 02 Nov 2023 16:22

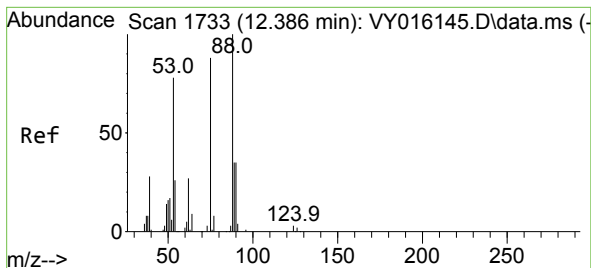
Tgt Ion: 75 Resp: 42686

Ion Ratio Lower Upper

75 100

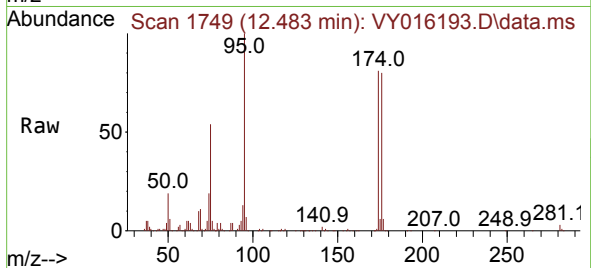
77 1.8 0.0 0.0#



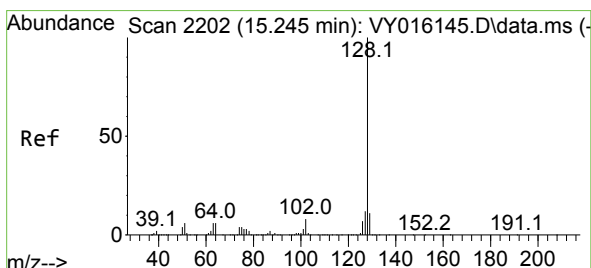
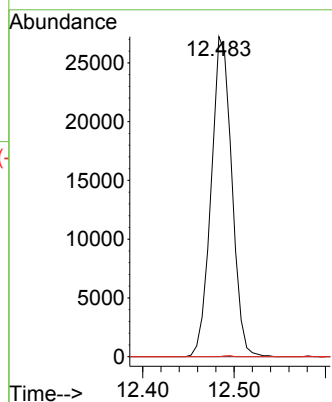
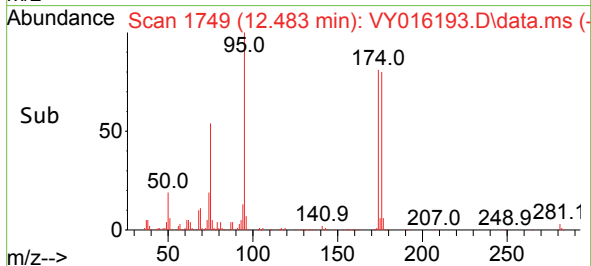


#81
trans-1,4-Dichloro-2-butene
Concen: 116.870 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22

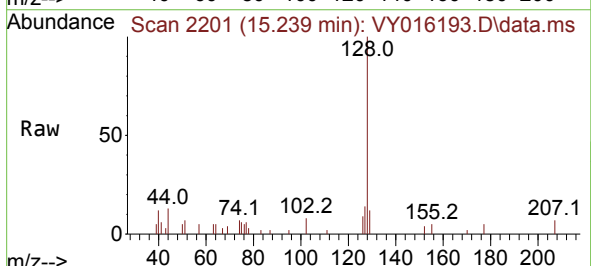
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 42686
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 1.505 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY016193.D
Acq: 02 Nov 2023 16:22



Tgt Ion:128 Resp: 4406
Ion Ratio Lower Upper
128 100
127 14.9 10.8 16.2
129 16.3 8.6 13.0#

