

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013321.D
 Acq On : 14 Apr 2023 16:07
 Operator : KP/MD
 Sample : 02306-05
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230267-19-1

Quant Time: Apr 17 02:13:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

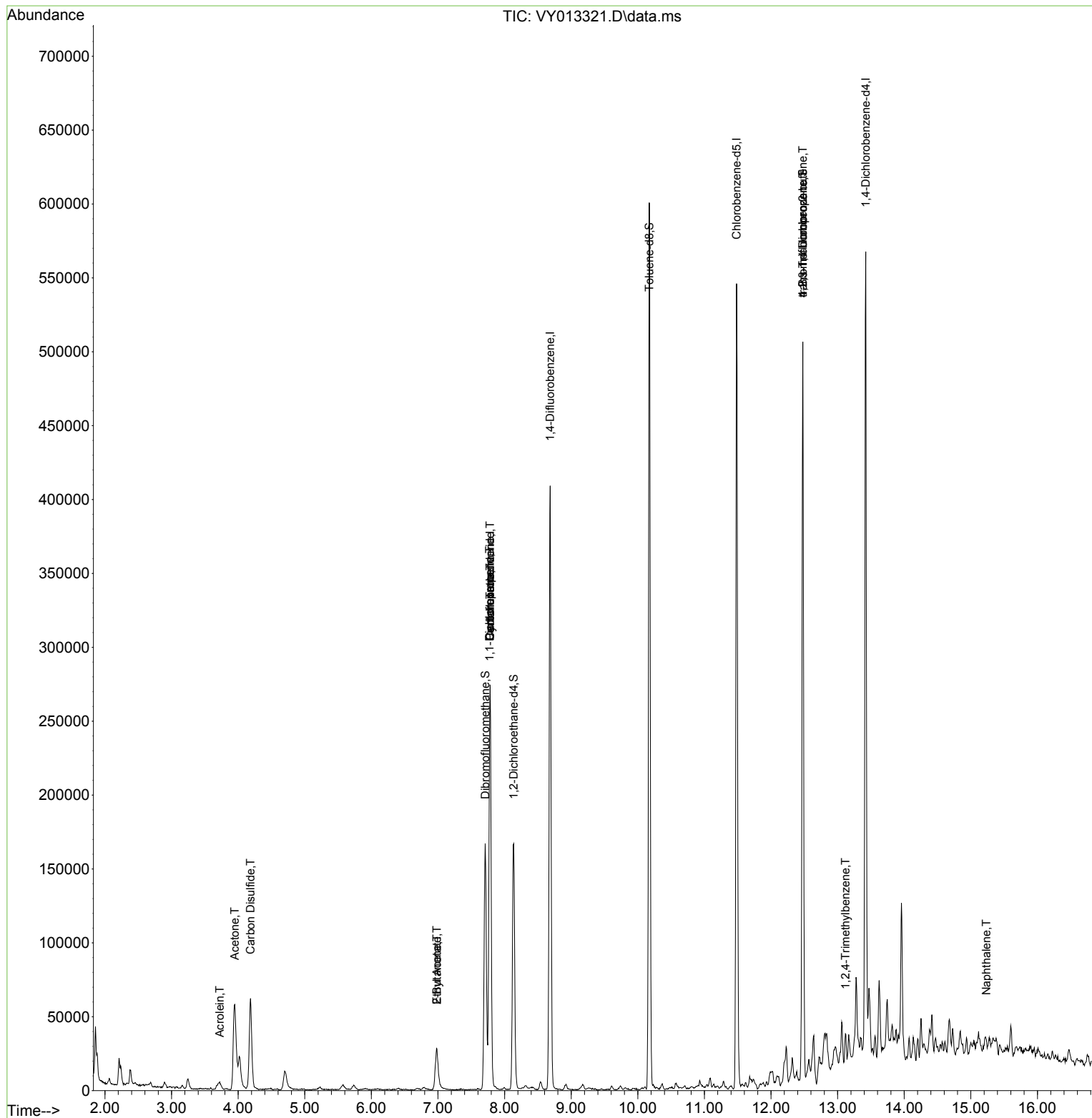
Internal Standards						
1) Pentafluorobenzene	7.783	168	214703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	342503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	302807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135209	52.402	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.800%	
35) Dibromofluoromethane	7.709	113	118056	53.242	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.480%	
50) Toluene-d8	10.172	98	389592	47.204	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.400%	
62) 4-Bromofluorobenzene	12.477	95	131847	49.167	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	910	Below Cal	#	74
13) Acrolein	3.722	56	5479	17.286	ug/l #	29
16) Acetone	3.948	43	132455	149.303	ug/l	97
17) Carbon Disulfide	4.186	76	122302	18.387	ug/l	99
20) Methylene Chloride	4.698	84	9796	Below Cal	#	85
25) 2-Butanone	6.984	43	39213	34.521	ug/l	97
31) Cyclohexane	7.783	56	5329	1.366	ug/l #	7
36) 1,1-Dichloropropene	7.776	75	16249	4.837	ug/l #	49
37) Ethyl Acetate	6.984	43	39213	14.482	ug/l #	71
38) Carbon Tetrachloride	7.783	117	21038	5.664	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	70271	38.133	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70271	79.145	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	10515	1.272	ug/l	94
95) Naphthalene	15.232	128	5603	4.013	ug/l #	92

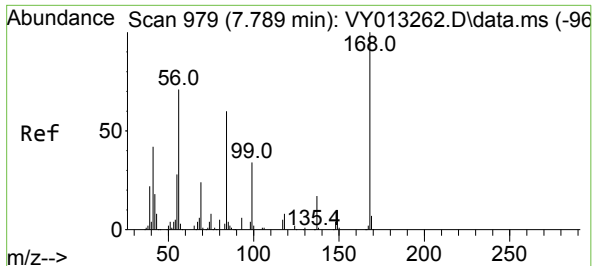
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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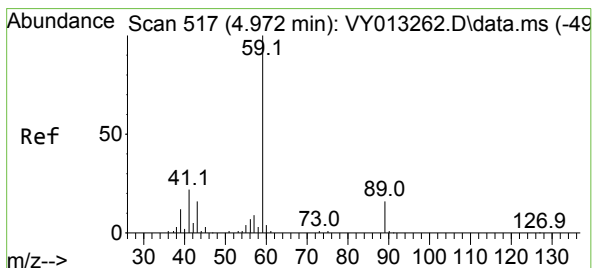
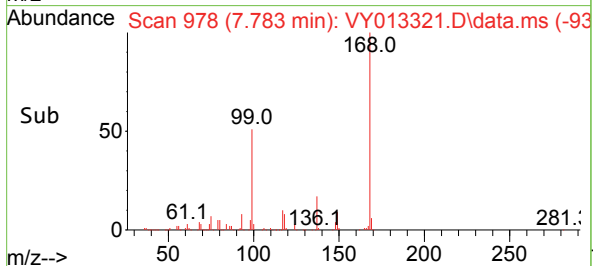
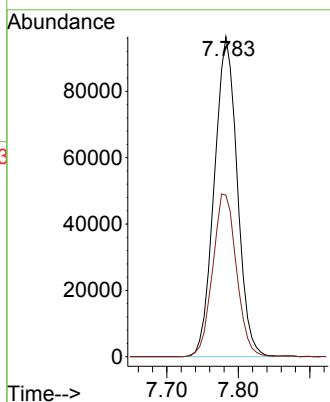
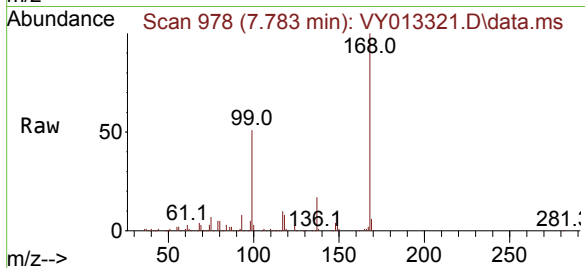




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

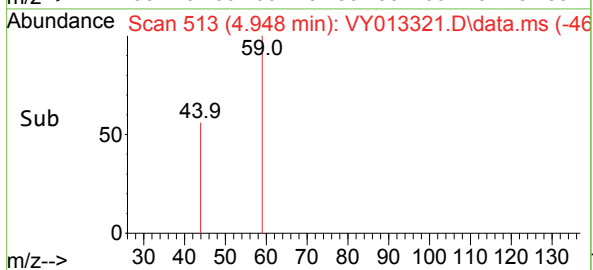
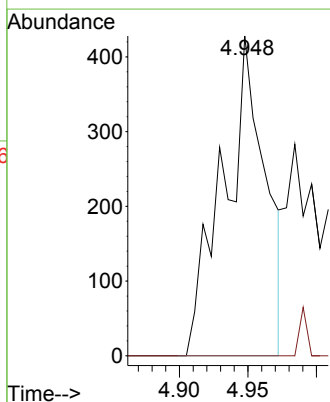
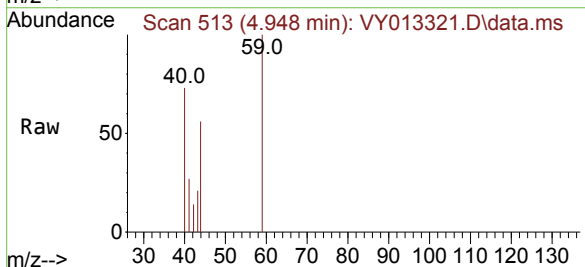
Instrument :
MSVOA_Y
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20230267-19-1

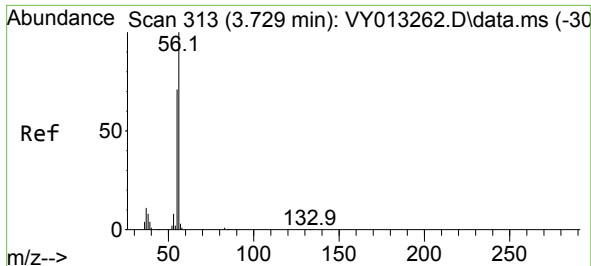
Tgt Ion:168 Resp: 214703
Ion Ratio Lower Upper
168 100
99 50.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 59 Resp: 910
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 17.286 ug/l

RT: 3.722 min Scan# 313

Delta R.T. -0.007 min

Lab File: VY013321.D

Acq: 14 Apr 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

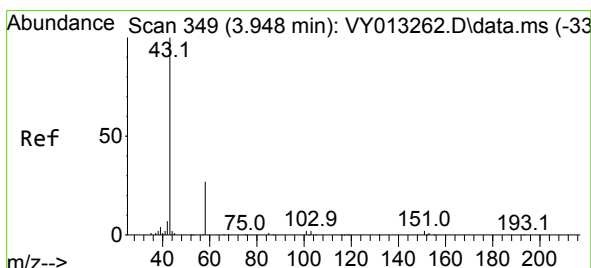
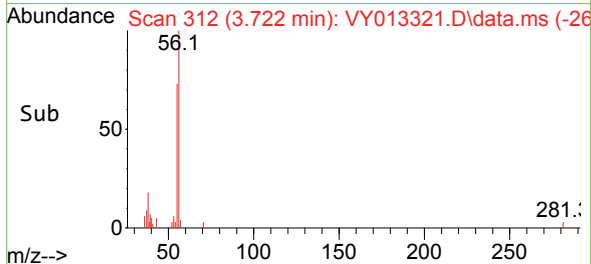
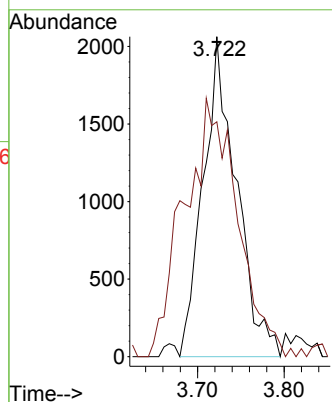
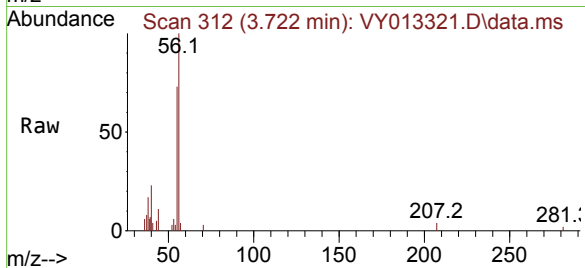
20230267-19-1

Tgt Ion: 56 Resp: 5479

Ion Ratio Lower Upper

56 100

55 129.3 56.8 85.2#



#16

Acetone

Concen: 149.303 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013321.D

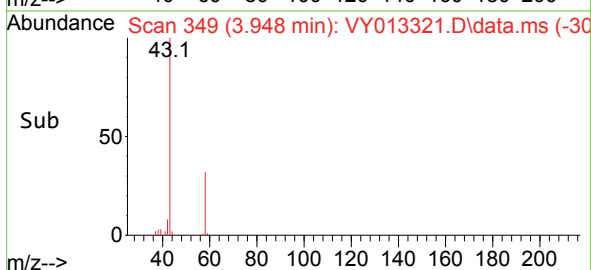
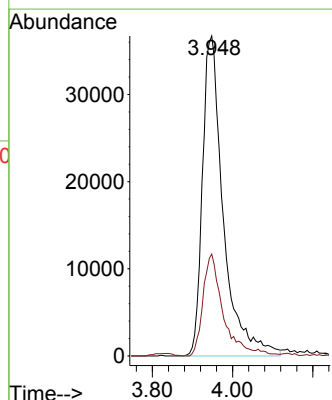
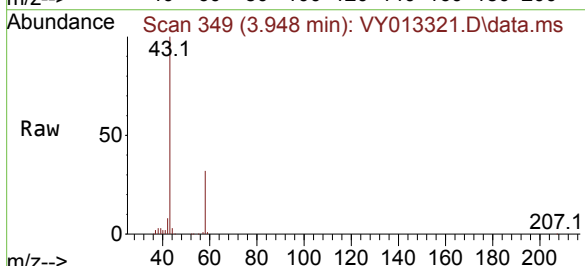
Acq: 14 Apr 2023 16:07

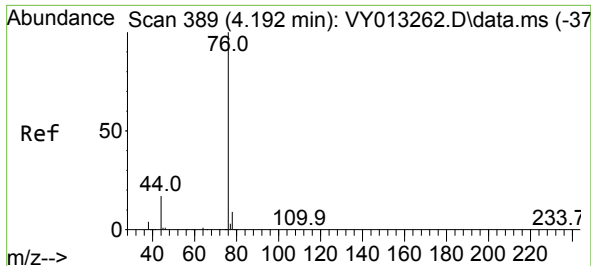
Tgt Ion: 43 Resp: 132455

Ion Ratio Lower Upper

43 100

58 31.7 24.2 36.2

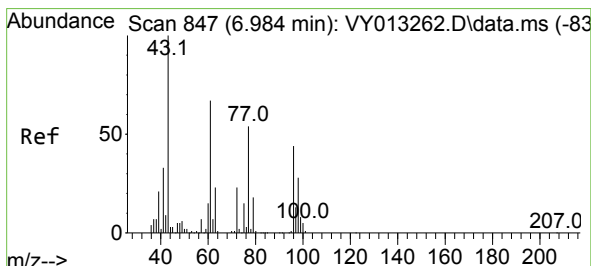
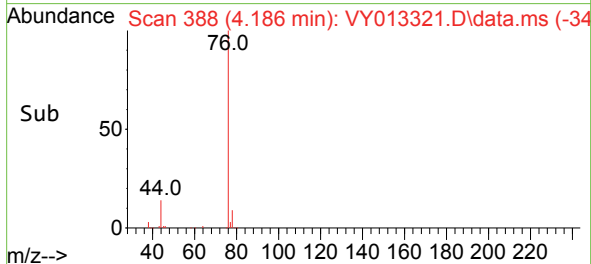
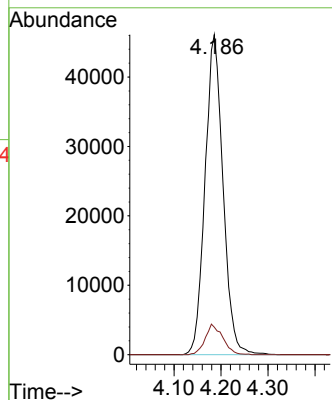
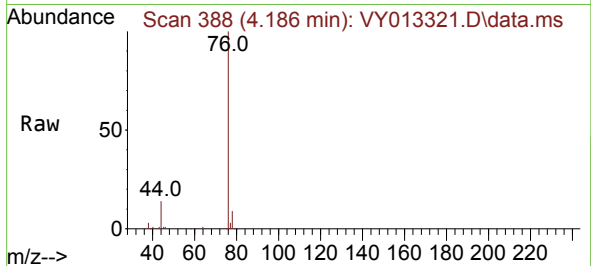




#17
Carbon Disulfide
Concen: 18.387 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

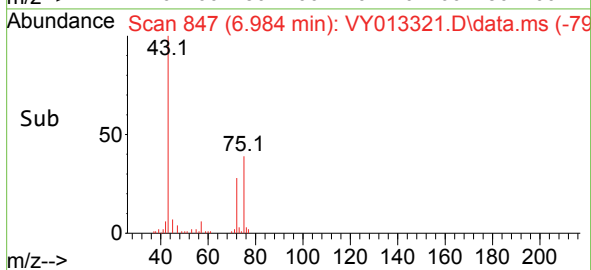
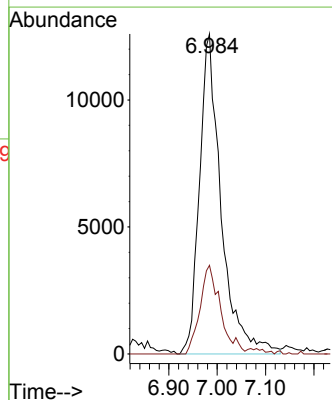
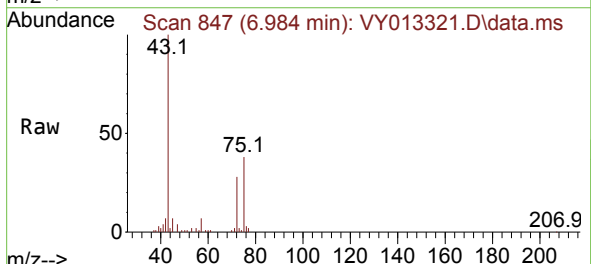
Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

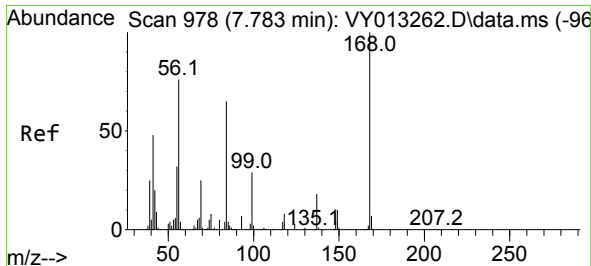
Tgt Ion: 76 Resp: 122302
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#25
2-Butanone
Concen: 34.521 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 43 Resp: 39213
Ion Ratio Lower Upper
43 100
72 27.7 21.0 31.4

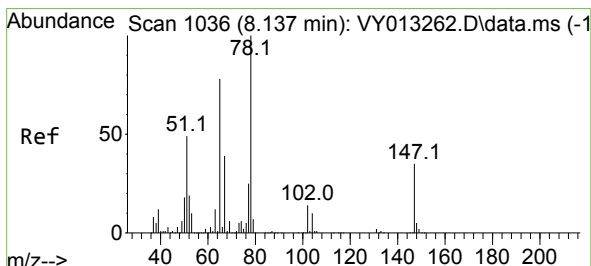
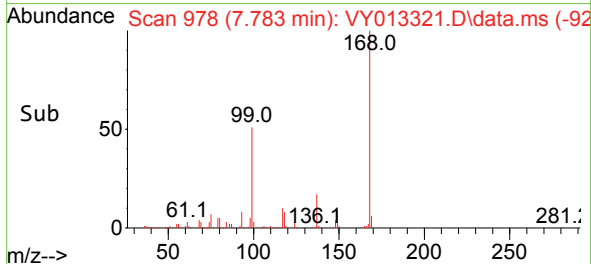
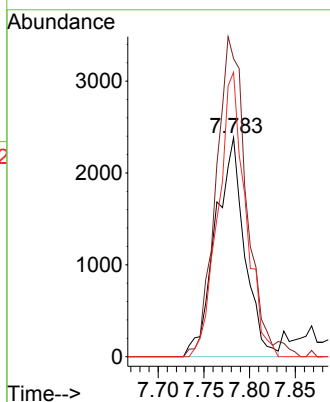
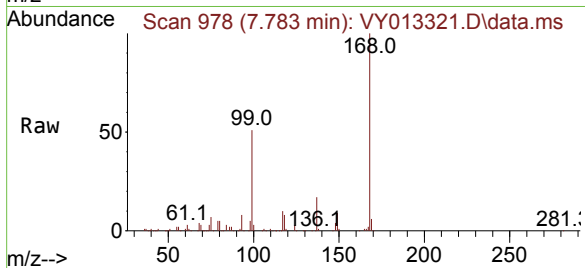




#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

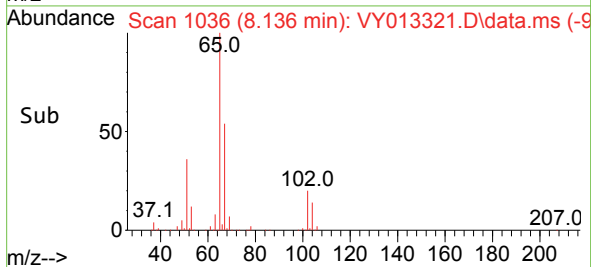
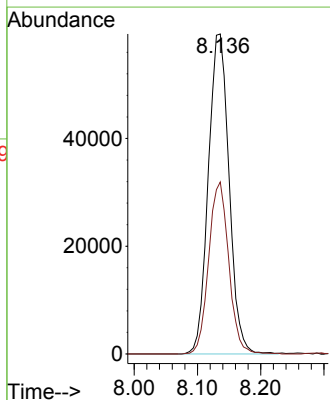
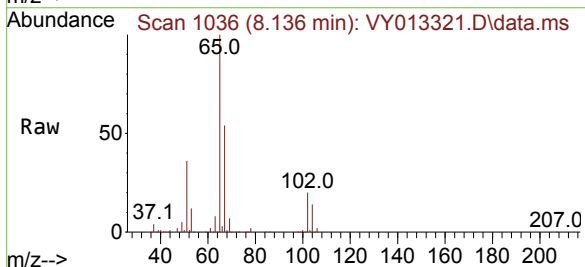
Instrument :
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ClientSampleId :
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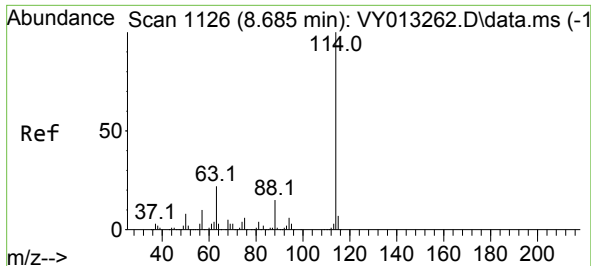
Tgt Ion: 56 Resp: 5329
Ion Ratio Lower Upper
56 100
69 136.1 25.7 38.5#
84 129.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 52.402 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 65 Resp: 135209
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.0

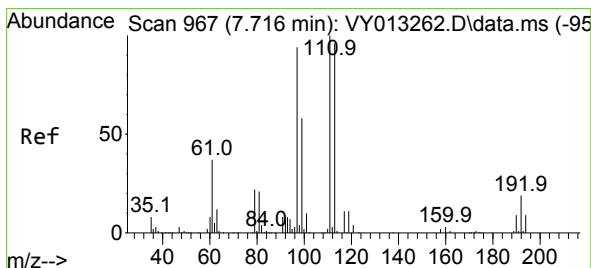
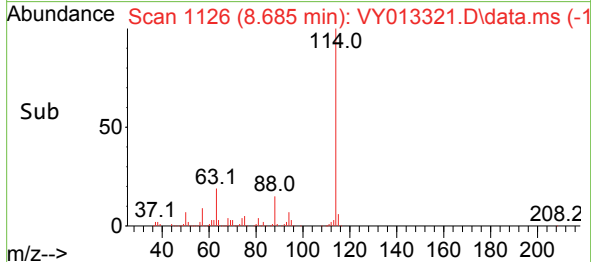
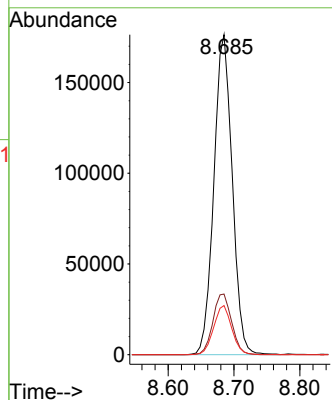
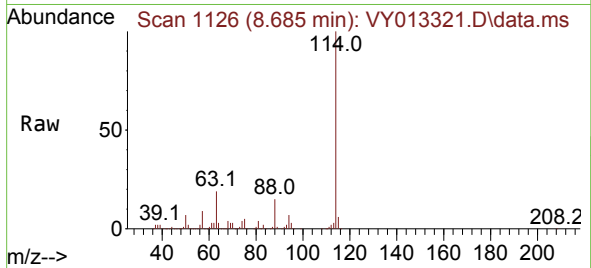




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

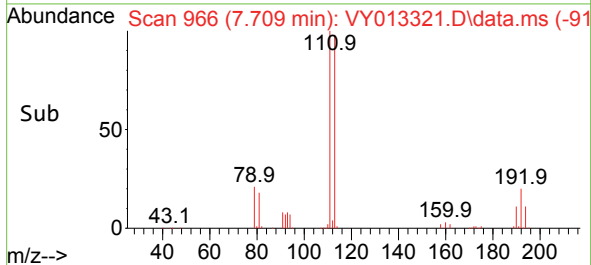
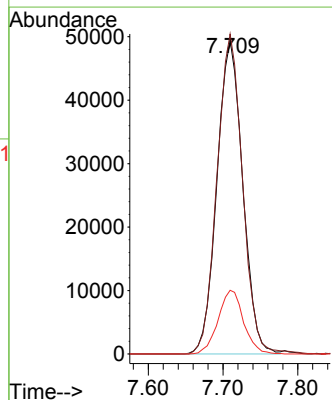
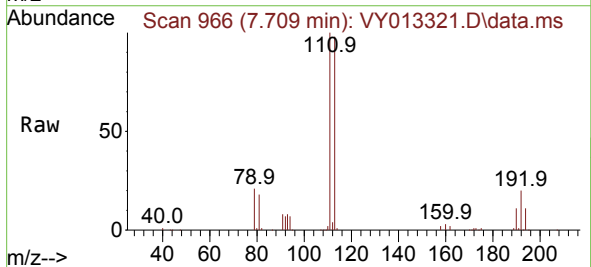
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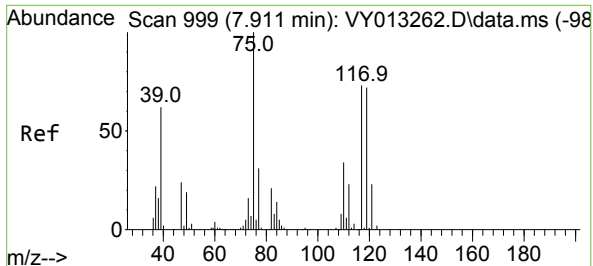
Tgt Ion:114 Resp: 342503
Ion Ratio Lower Upper
114 100
63 19.0 0.0 37.4
88 15.4 0.0 28.6



#35
Dibromofluoromethane
Concen: 53.242 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion:113 Resp: 118056
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.2
192 20.1 16.8 25.2

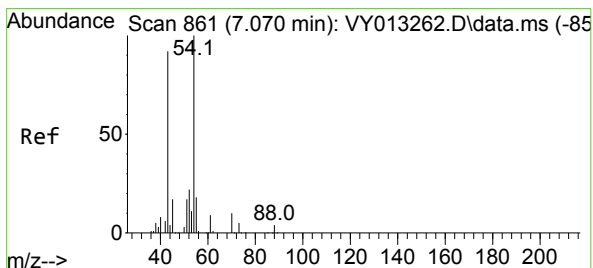
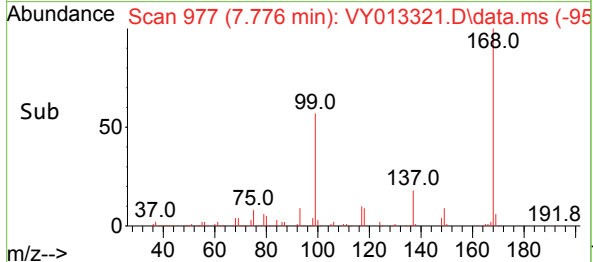
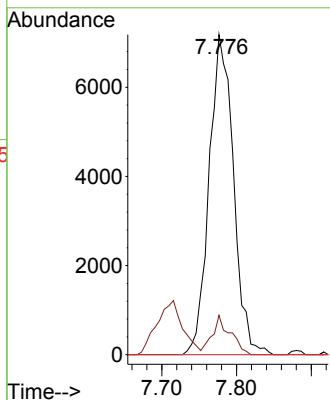
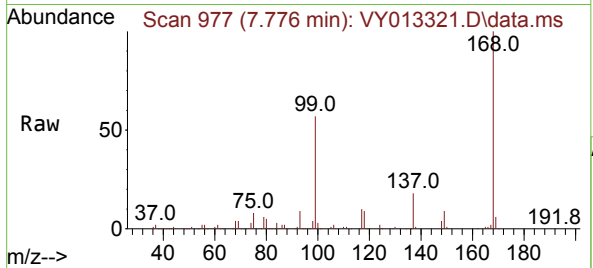




#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.135 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

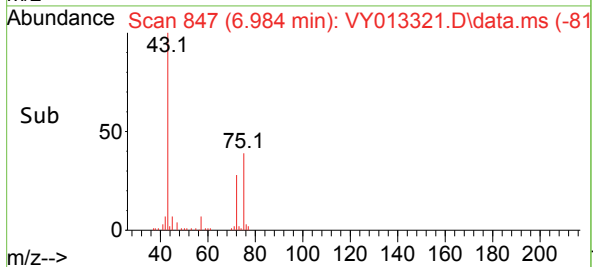
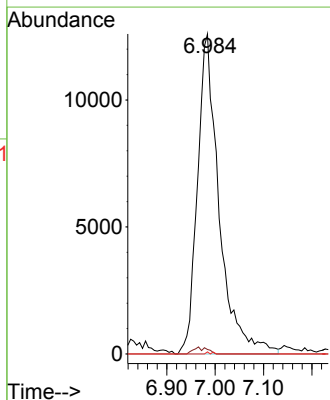
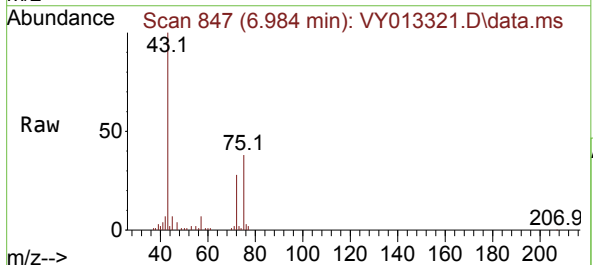
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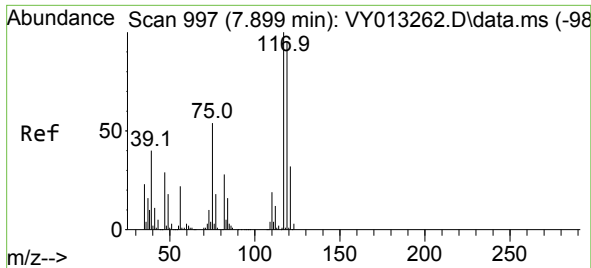
Tgt Ion: 75 Resp: 16249
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 14.482 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 43 Resp: 39213
Ion Ratio Lower Upper
43 100
61 0.8 10.7 16.1#
70 0.1 7.8 11.8#

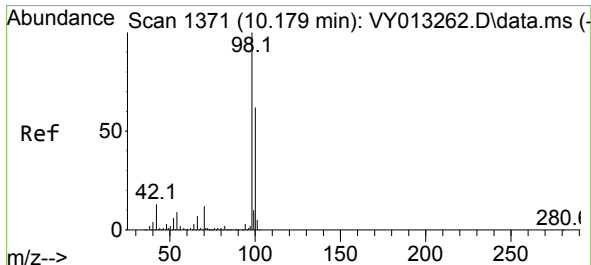
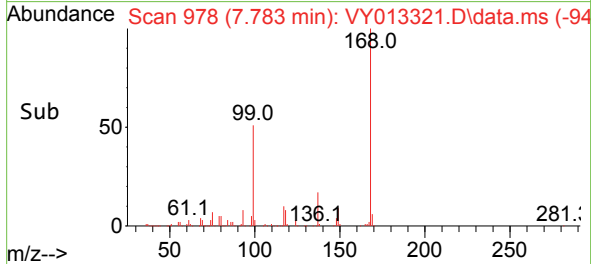
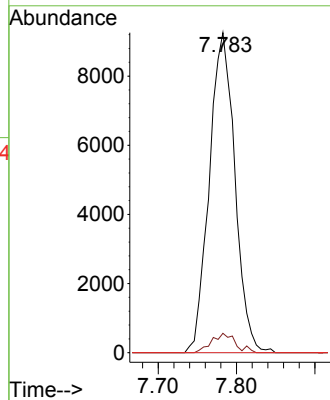
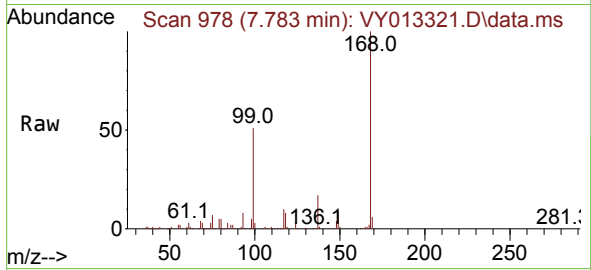




#38
Carbon Tetrachloride
Concen: 5.664 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

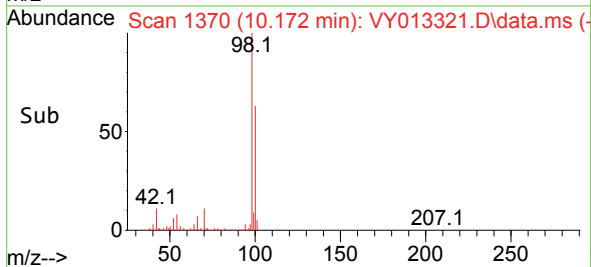
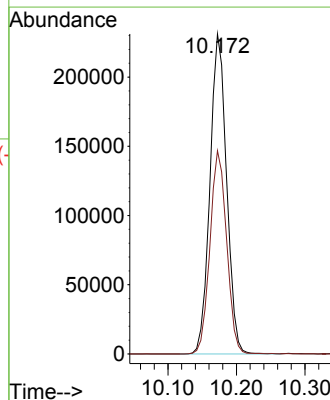
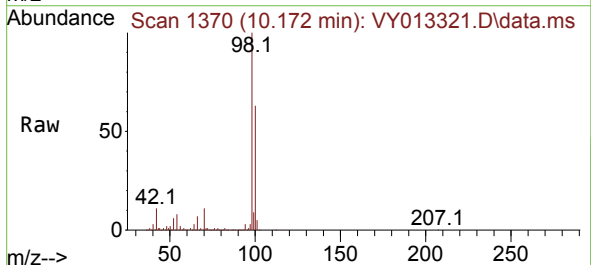
Instrument :
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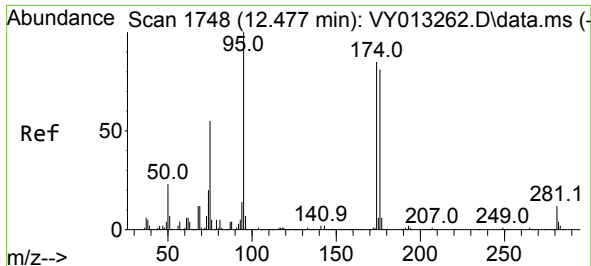
Tgt Ion:117 Resp: 21038
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 98 Resp: 389592
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

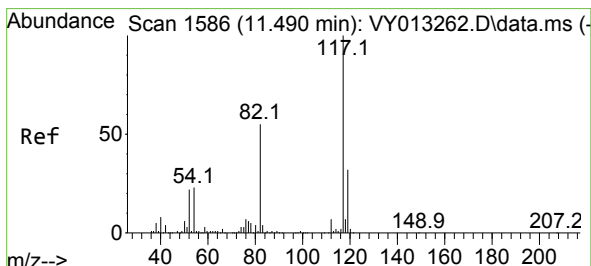
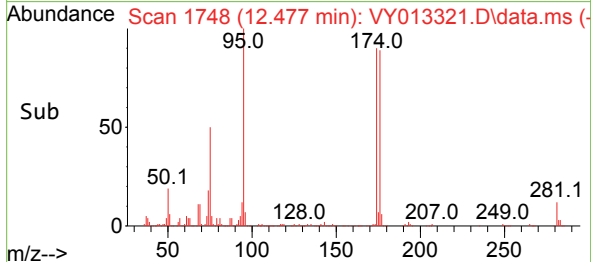
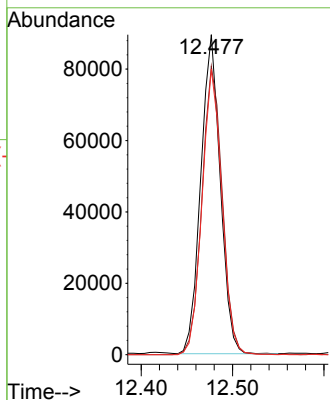
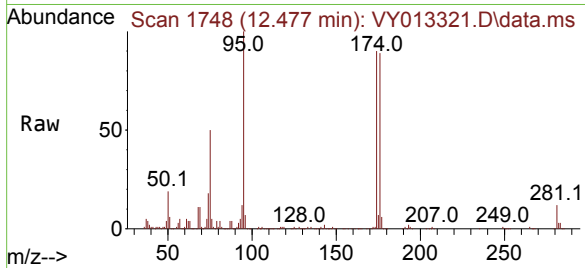




#62
4-Bromofluorobenzene
Concen: 49.167 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

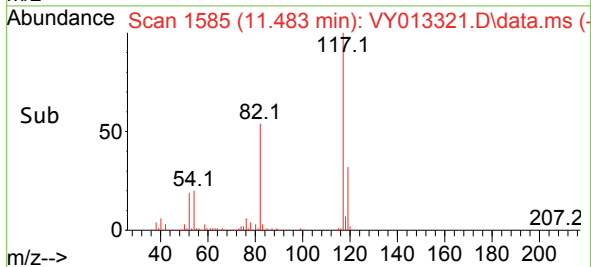
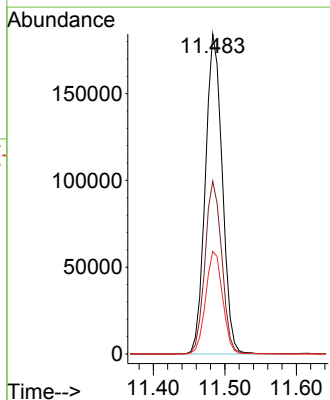
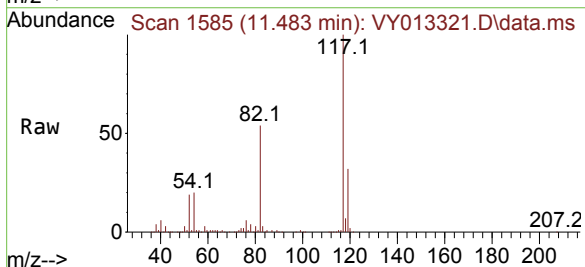
Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

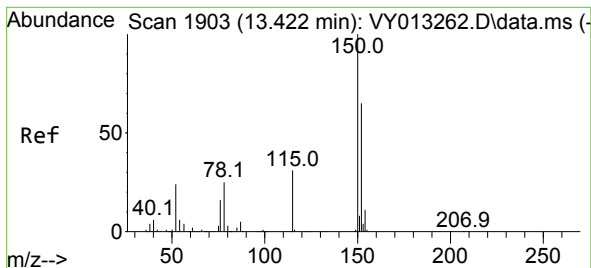
Tgt Ion: 95 Resp: 131847
Ion Ratio Lower Upper
95 100
174 94.3 0.0 176.6
176 91.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion: 117 Resp: 302807
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013321.D

Acq: 14 Apr 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

20230267-19-1

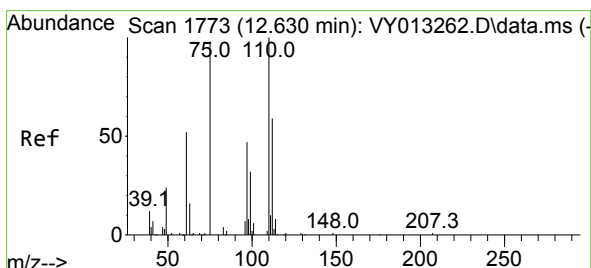
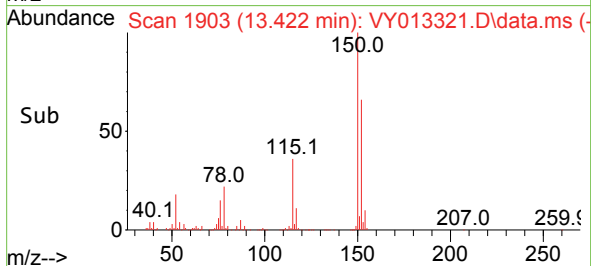
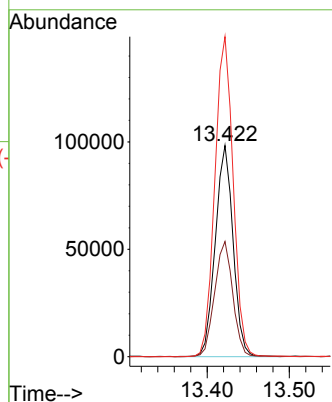
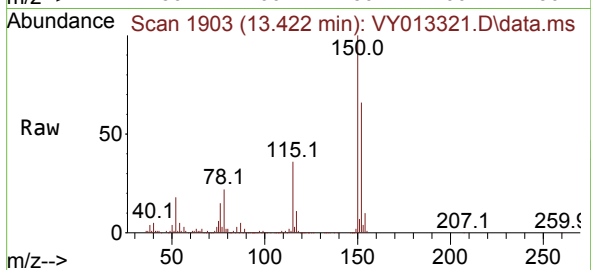
Tgt Ion:152 Resp: 147887

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 155.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 38.133 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013321.D

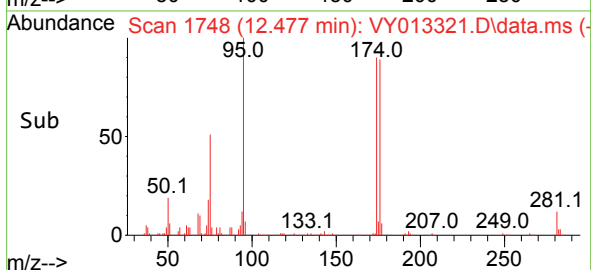
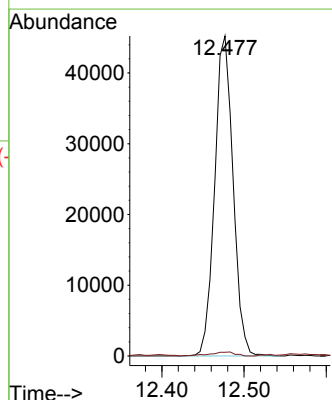
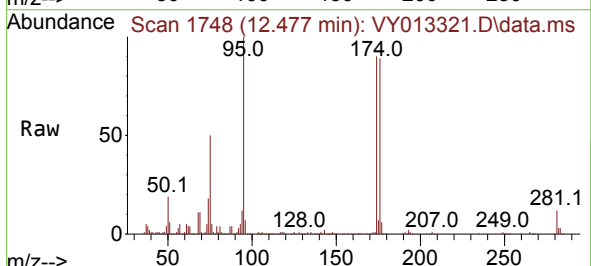
Acq: 14 Apr 2023 16:07

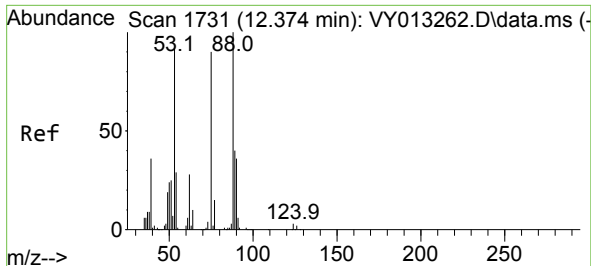
Tgt Ion: 75 Resp: 70271

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

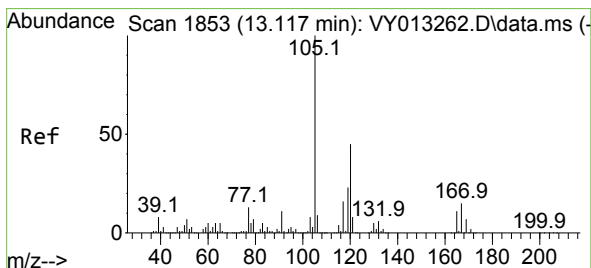
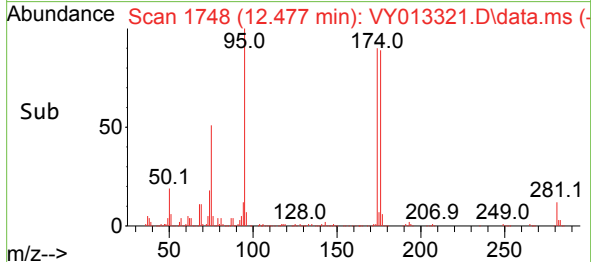
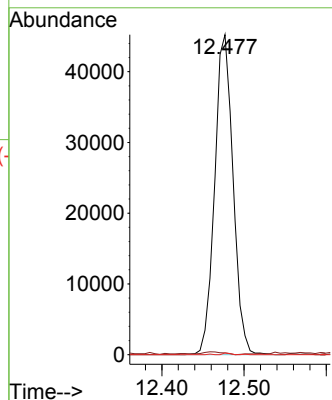
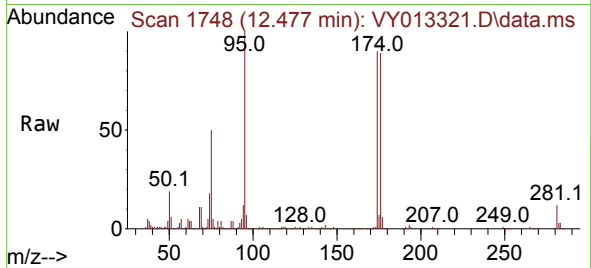




#81
trans-1,4-Dichloro-2-butene
Concen: 79.145 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

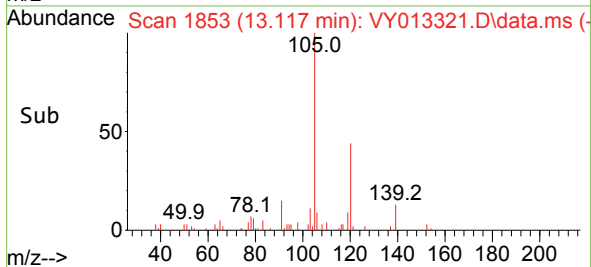
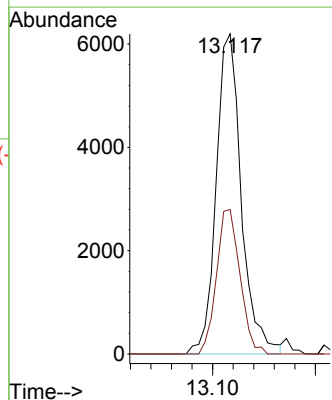
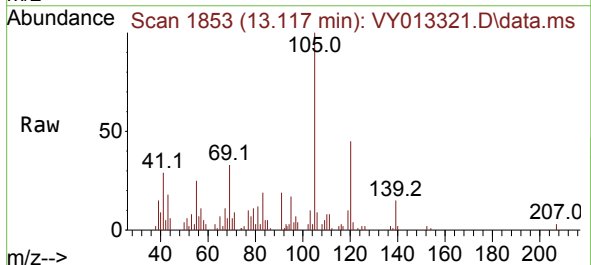
Instrument :
MSVOA_Y
ClientSampleId :
20230267-19-1

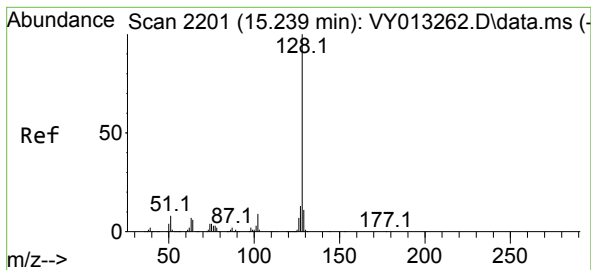
Tgt Ion: 75 Resp: 70271
Ion Ratio Lower Upper
75 100
53 1.0 73.4 110.0#
89 0.3 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.272 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY013321.D
Acq: 14 Apr 2023 16:07

Tgt Ion:105 Resp: 10515
Ion Ratio Lower Upper
105 100
120 42.2 23.0 69.0





#95

Naphthalene

Concen: 4.013 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.007 min

Lab File: VY013321.D

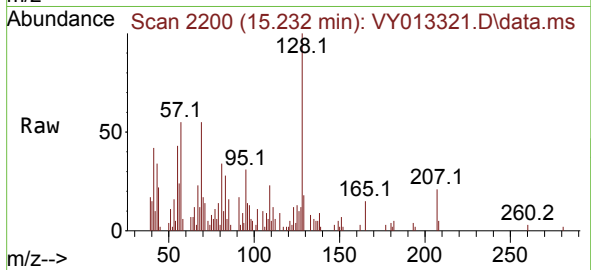
Acq: 14 Apr 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

20230267-19-1



Tgt Ion:128 Resp: 5603

Ion Ratio Lower Upper

128 100

127 16.3 10.3 15.5#

129 13.5 8.6 13.0#

