

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013319.D
 Acq On : 14 Apr 2023 15:20
 Operator : KP/MD
 Sample : 02306-03
 Misc : 4.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230255-16-1

Quant Time: Apr 17 02:12:44 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)

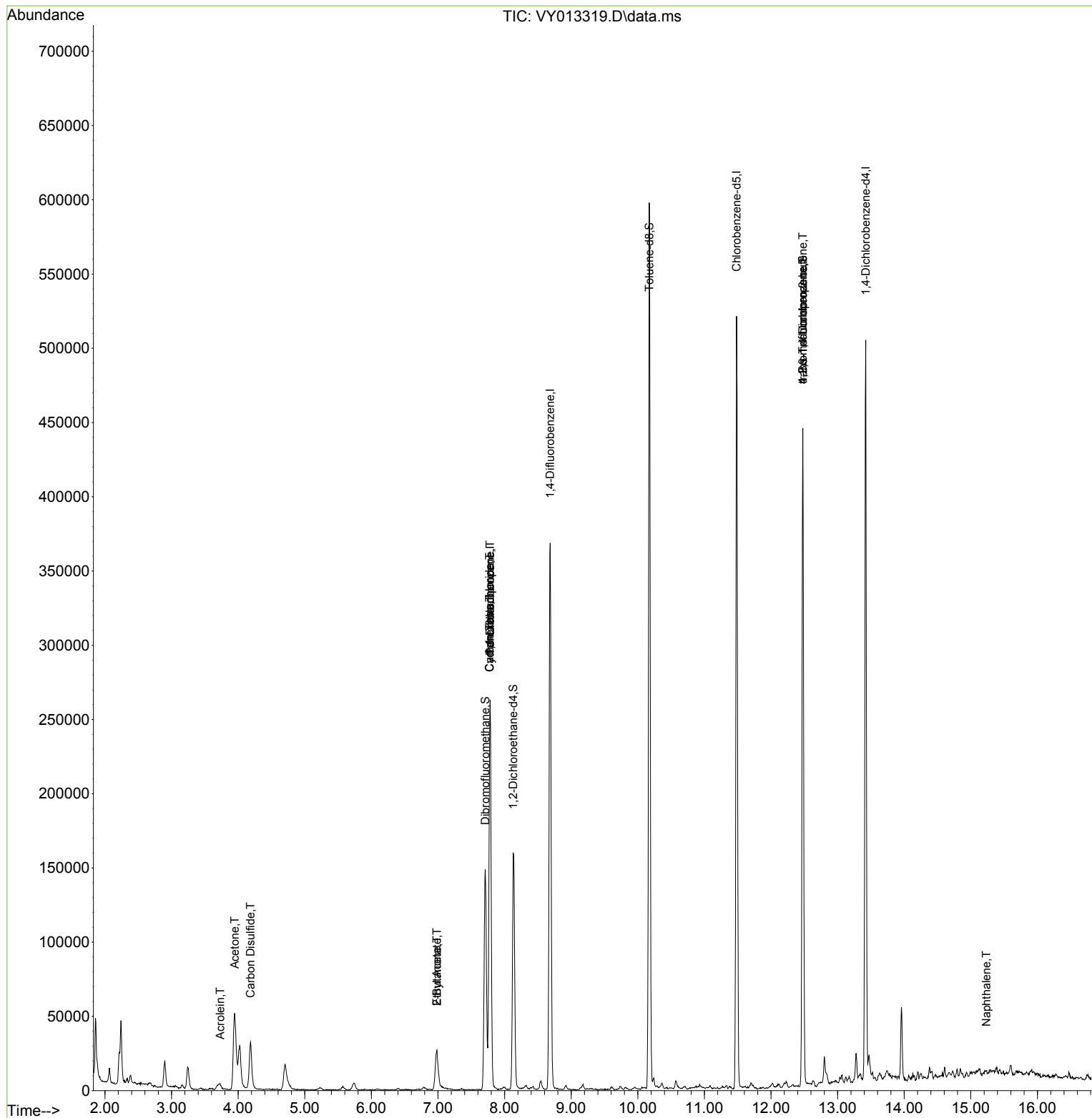
Internal Standards						
1) Pentafluorobenzene	7.783	168	210615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	322742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	286468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	126604	50.019	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.710	113	105925	50.696	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.400%	
50) Toluene-d8	10.173	98	380242	48.892	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	12.477	95	120870	47.833	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.972	59	80	Below Cal	#	74
13) Acrolein	3.729	56	4701	15.119	ug/l #	22
16) Acetone	3.948	43	115383	132.584	ug/l	100
17) Carbon Disulfide	4.186	76	62123	9.521	ug/l	99
25) 2-Butanone	6.984	43	35490	31.850	ug/l	98
31) Cyclohexane	7.777	56	4650	1.215	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	14369	4.539	ug/l #	51
37) Ethyl Acetate	6.984	43	35490	13.909	ug/l #	70
38) Carbon Tetrachloride	7.777	117	19731	5.637	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	63489	39.829	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63489	82.665	ug/l #	13
95) Naphthalene	15.233	128	2740	3.661	ug/l #	89

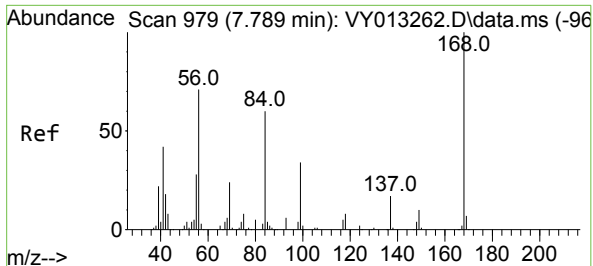
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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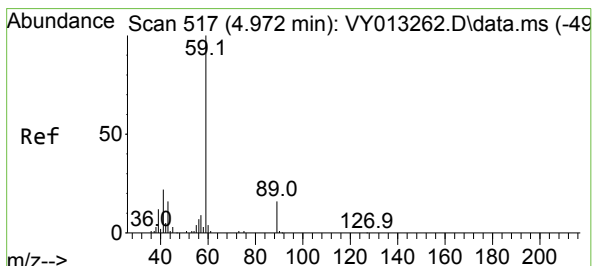
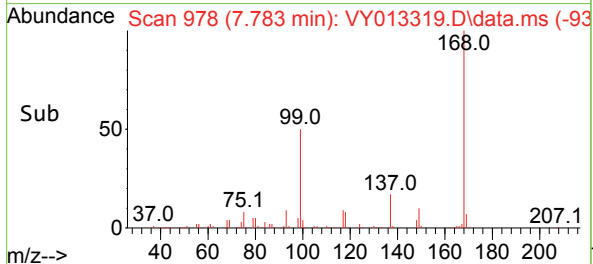
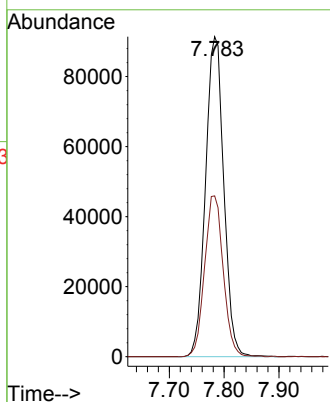
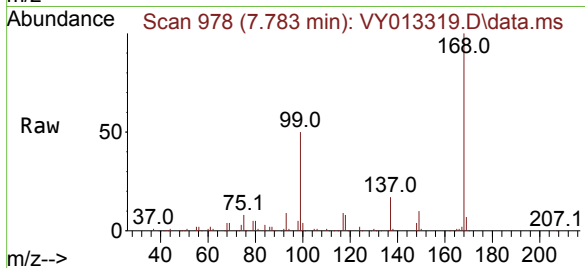




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

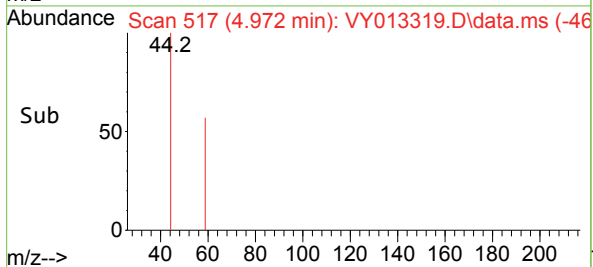
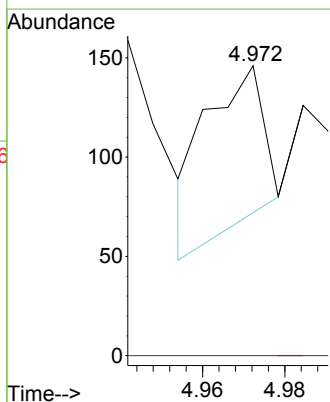
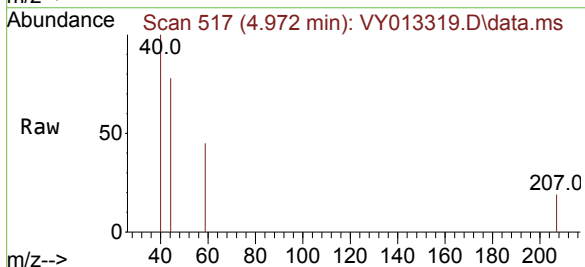
Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

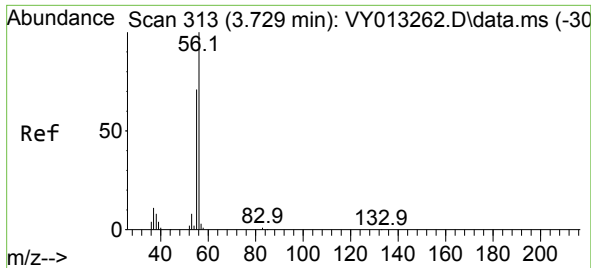
Tgt Ion:168 Resp: 210615
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 15.119 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013319.D

Acq: 14 Apr 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

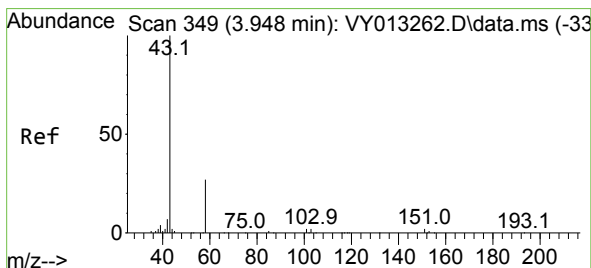
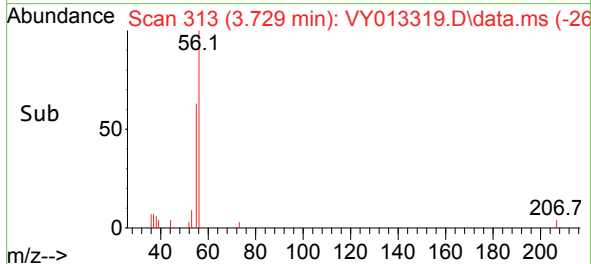
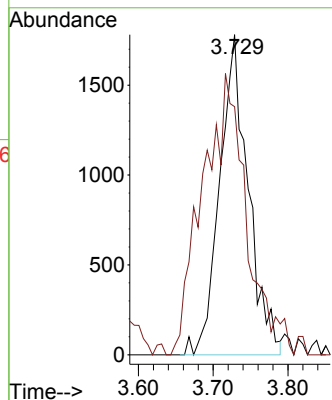
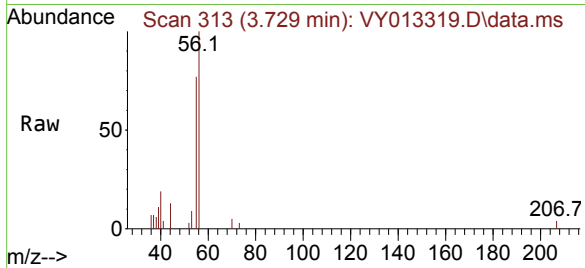
20230255-16-1

Tgt Ion: 56 Resp: 4701

Ion Ratio Lower Upper

56 100

55 135.4 56.8 85.2#



#16

Acetone

Concen: 132.584 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013319.D

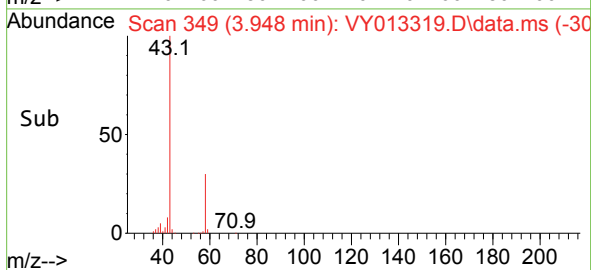
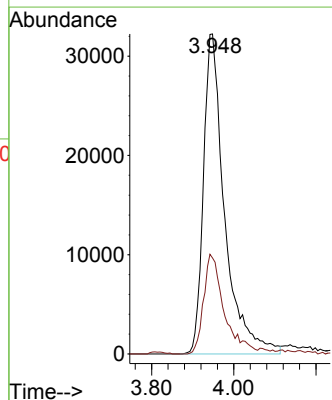
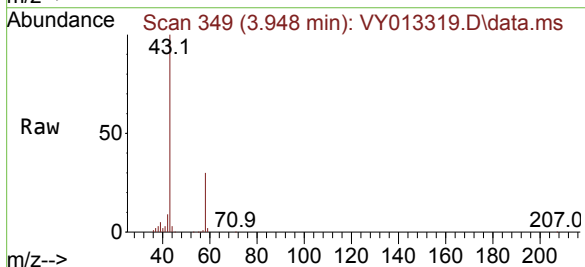
Acq: 14 Apr 2023 15:20

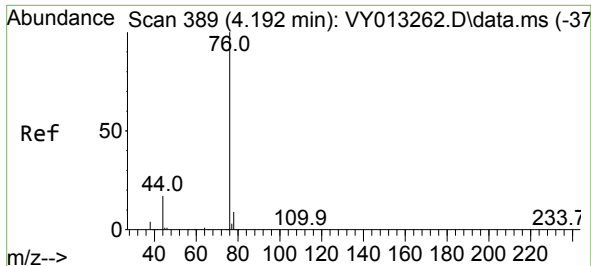
Tgt Ion: 43 Resp: 115383

Ion Ratio Lower Upper

43 100

58 30.0 24.2 36.2

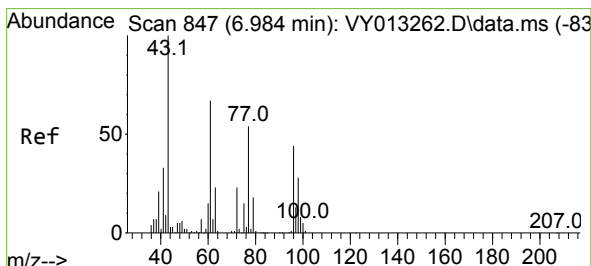
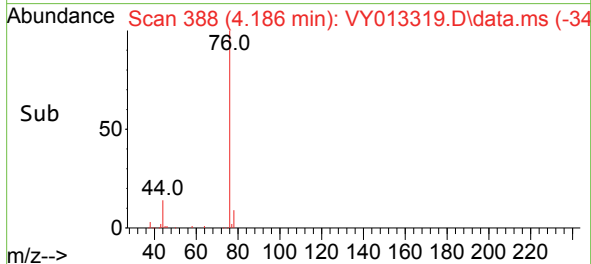
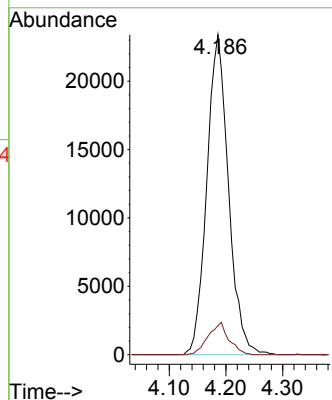
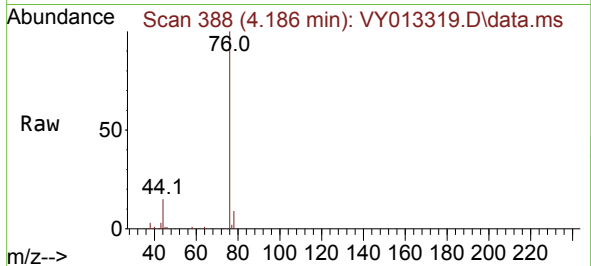




#17
Carbon Disulfide
Concen: 9.521 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

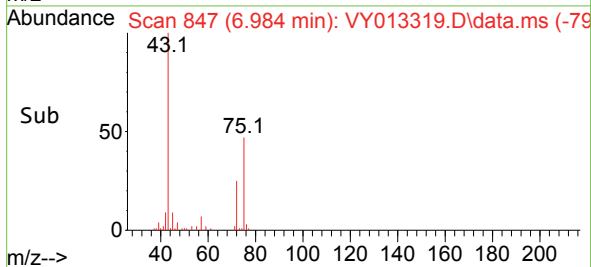
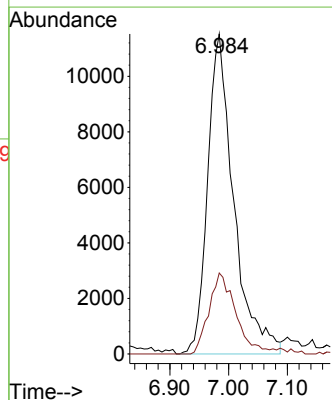
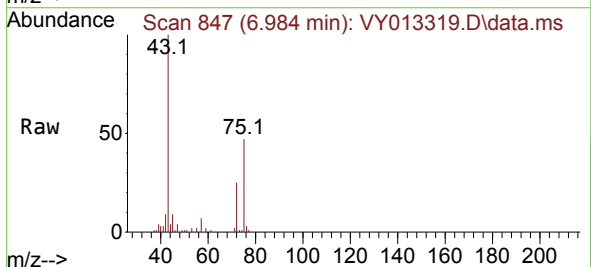
Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

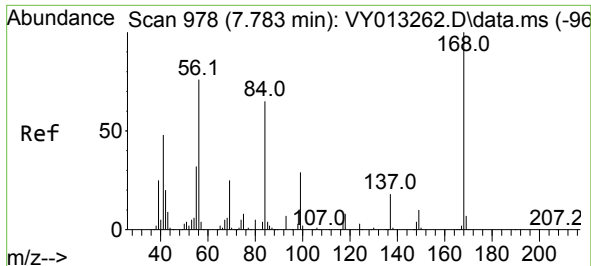
Tgt Ion: 76 Resp: 62123
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#25
2-Butanone
Concen: 31.850 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

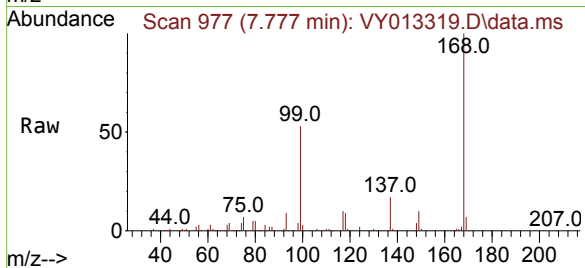
Tgt Ion: 43 Resp: 35490
Ion Ratio Lower Upper
43 100
72 25.3 21.0 31.4



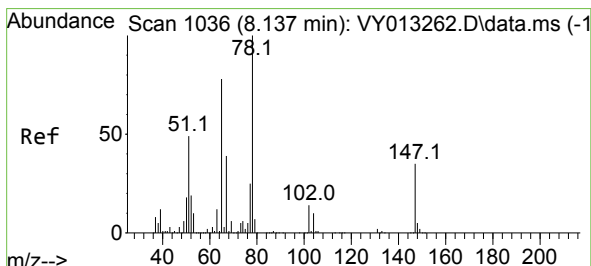
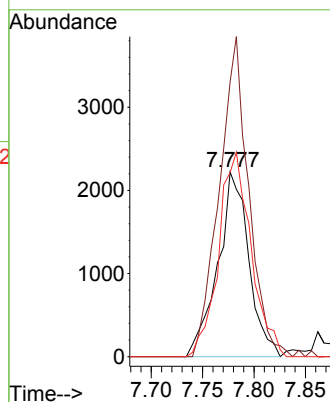
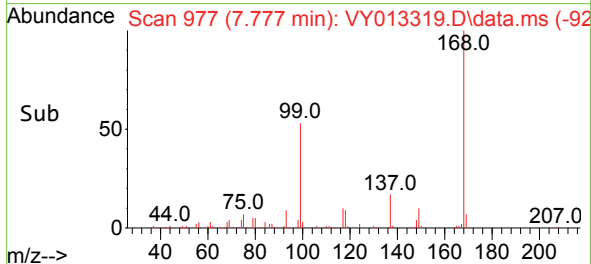


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

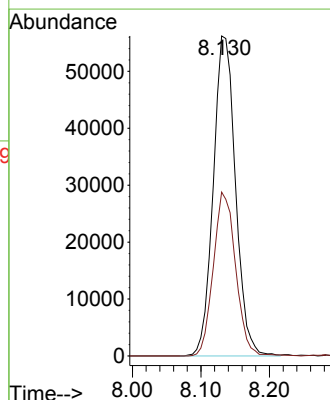
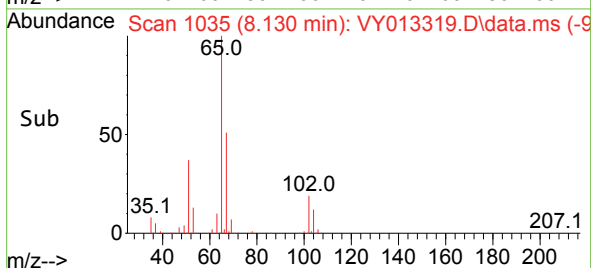
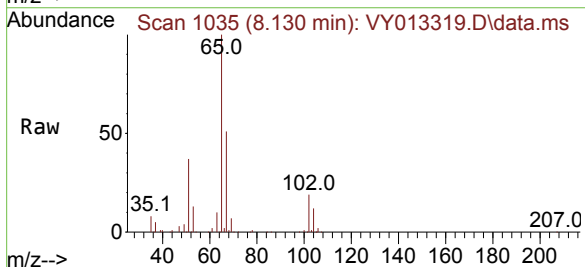


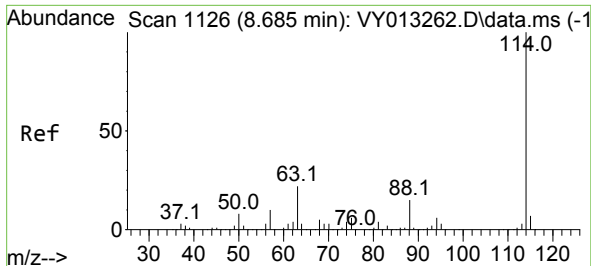
Tgt Ion: 56 Resp: 4650
Ion Ratio Lower Upper
56 100
69 148.7 25.7 38.5#
84 99.6 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.019 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion: 65 Resp: 126604
Ion Ratio Lower Upper
65 100
67 51.4 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: VY013319.D

Acq: 14 Apr 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

20230255-16-1

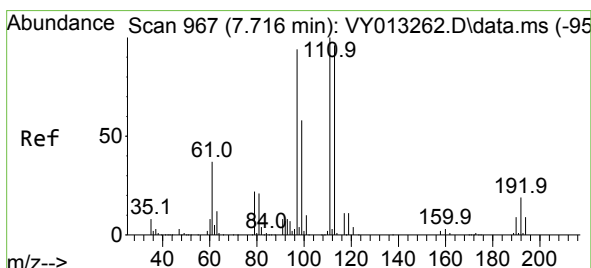
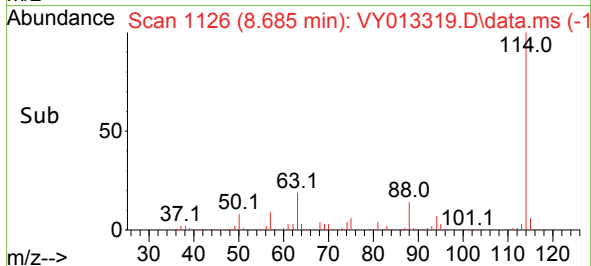
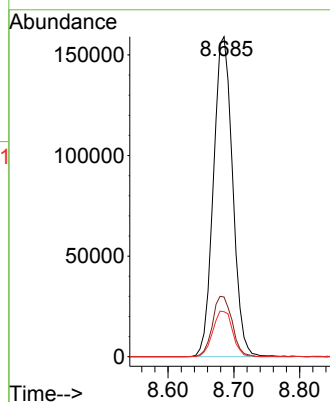
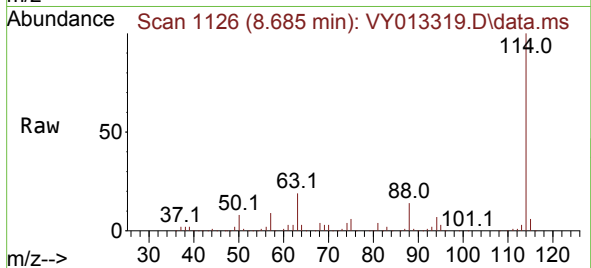
Tgt Ion:114 Resp: 322742

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 50.696 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013319.D

Acq: 14 Apr 2023 15:20

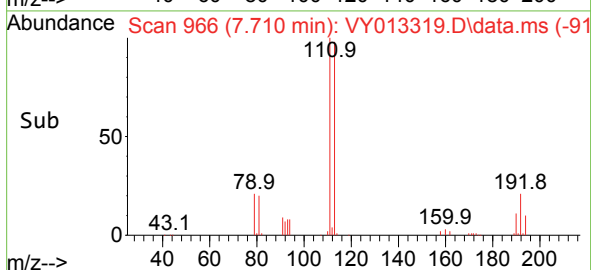
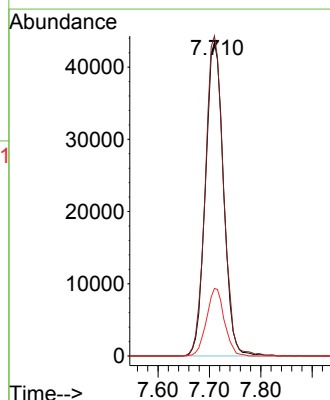
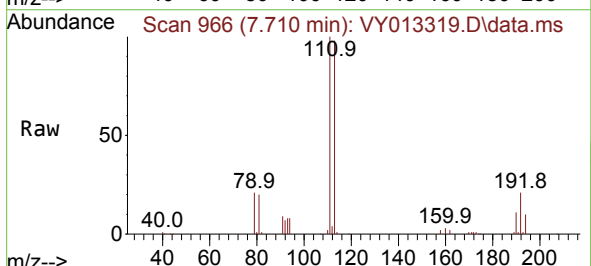
Tgt Ion:113 Resp: 105925

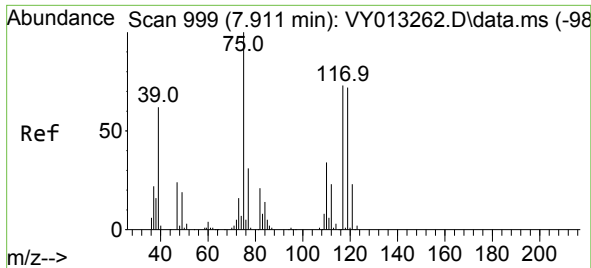
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 21.3 16.8 25.2

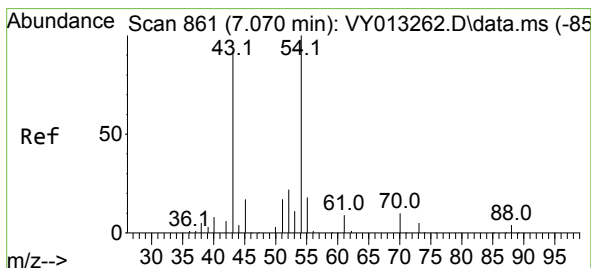
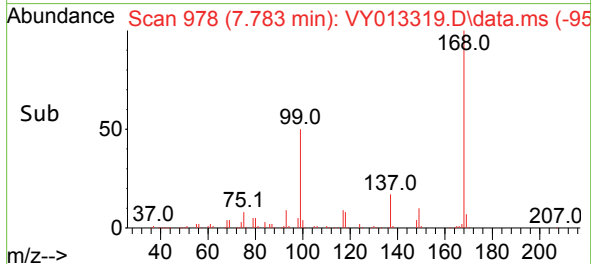
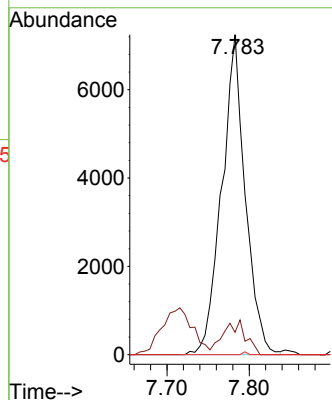
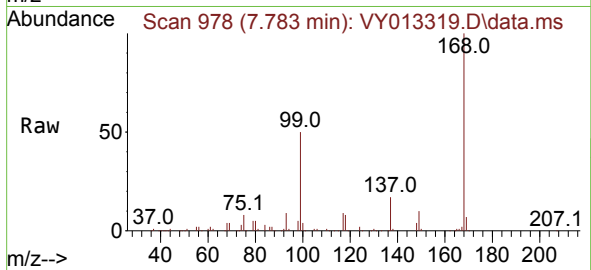




#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

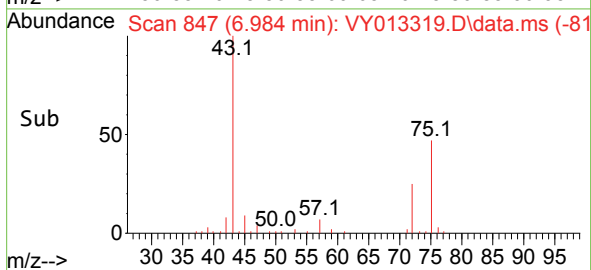
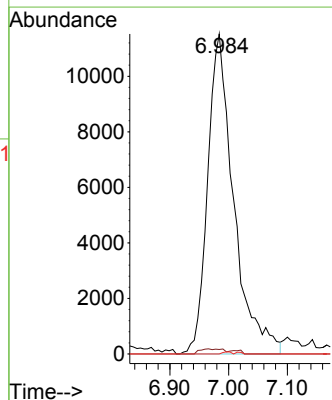
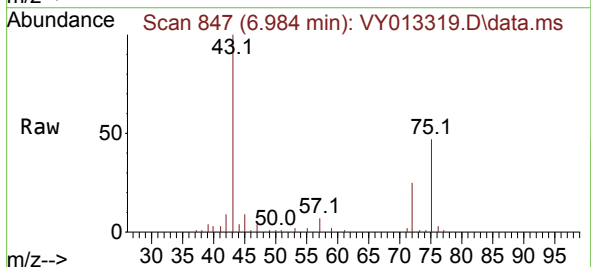
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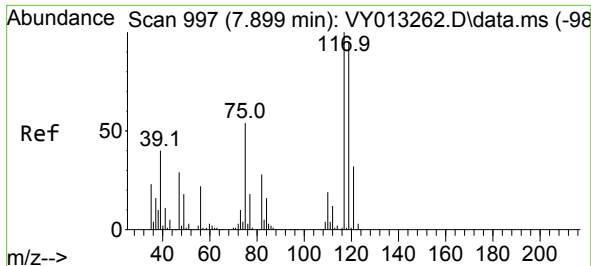
Tgt Ion: 75 Resp: 14369
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.3#
77 0.2 25.0 37.4#



#37
Ethyl Acetate
Concen: 13.909 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion: 43 Resp: 35490
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.2 7.8 11.8#

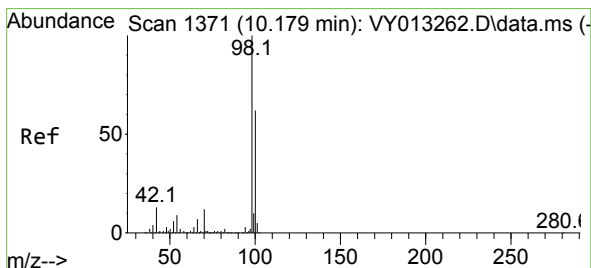
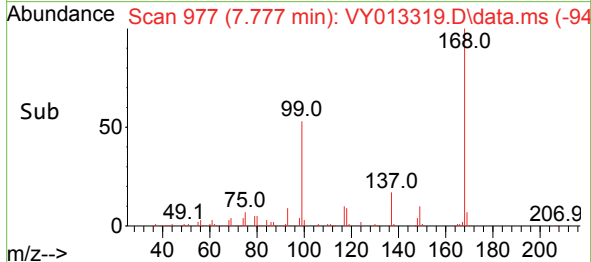
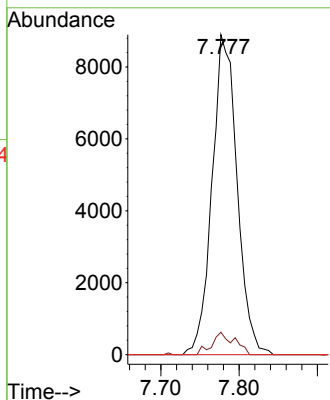
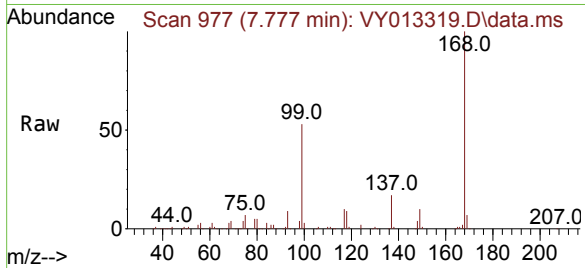




#38
Carbon Tetrachloride
Concen: 5.637 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

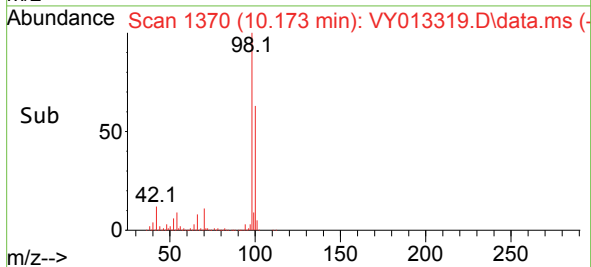
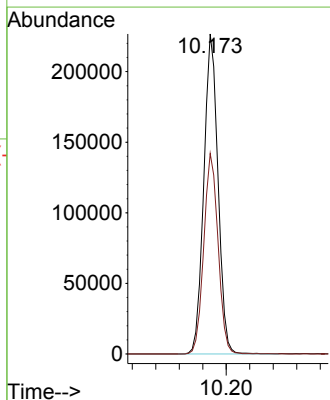
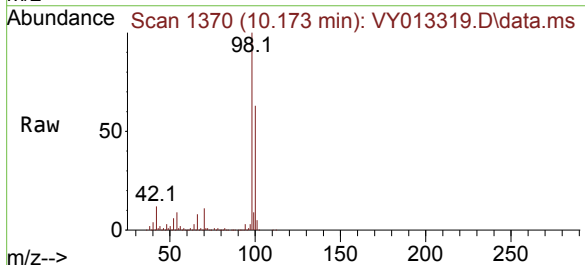
Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

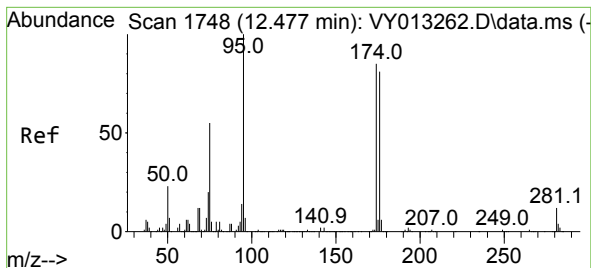
Tgt Ion:117 Resp: 19731
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.892 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion: 98 Resp: 380242
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

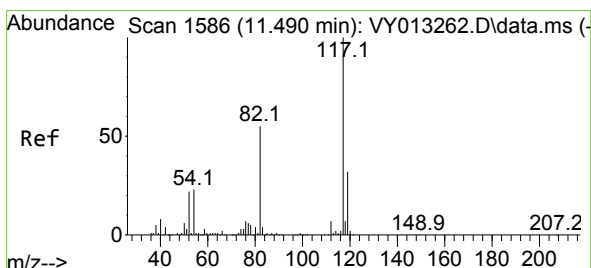
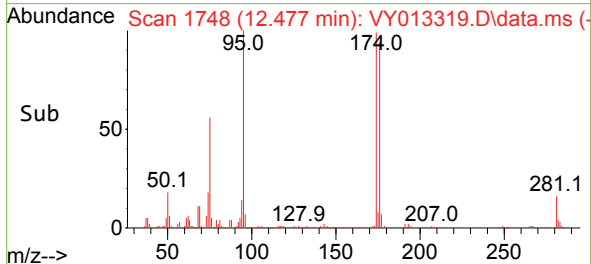
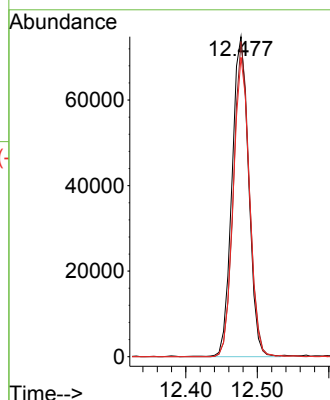
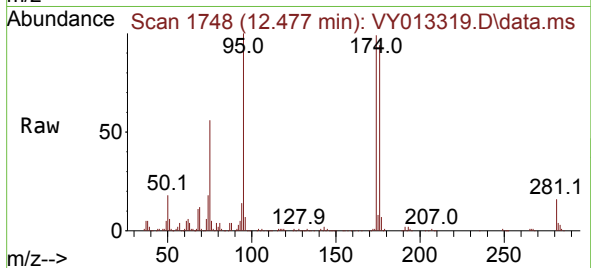




#62
4-Bromofluorobenzene
Concen: 47.833 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

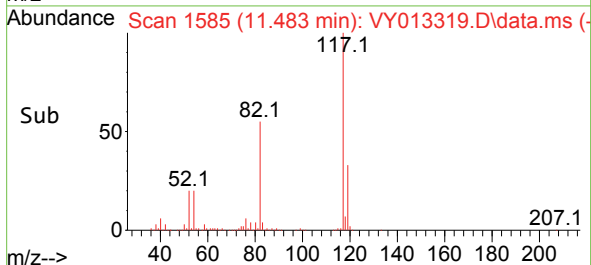
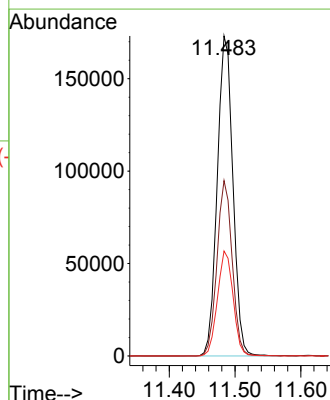
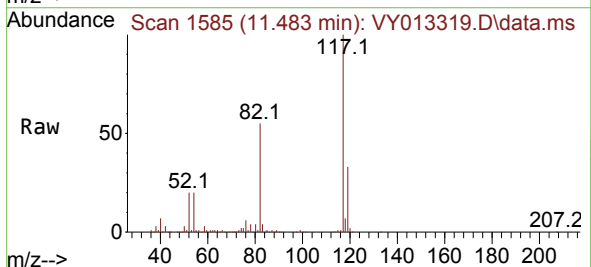
Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

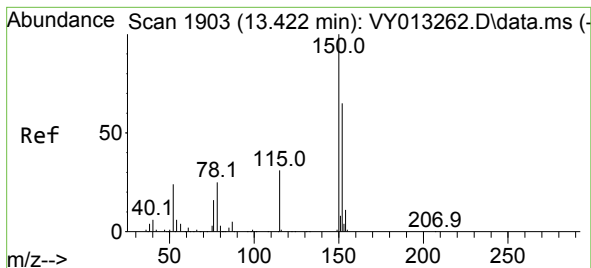
Tgt Ion: 95 Resp: 120870
Ion Ratio Lower Upper
95 100
174 93.5 0.0 176.6
176 90.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion: 117 Resp: 286468
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 32.8 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: VY013319.D

Acq: 14 Apr 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

20230255-16-1

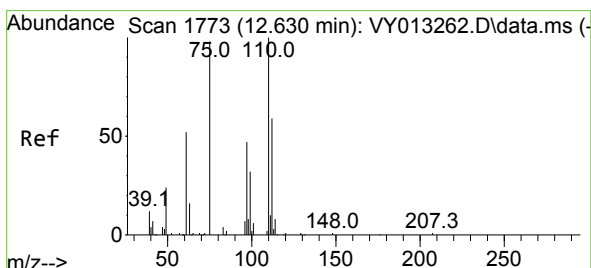
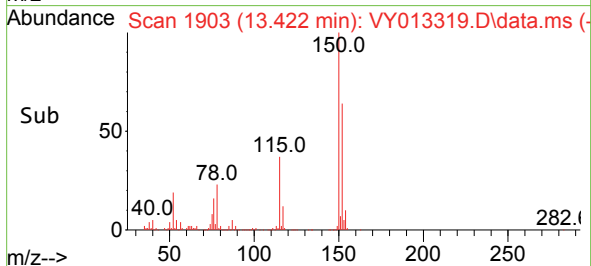
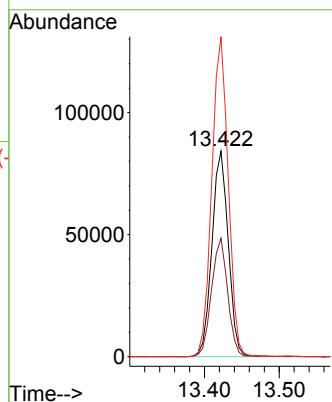
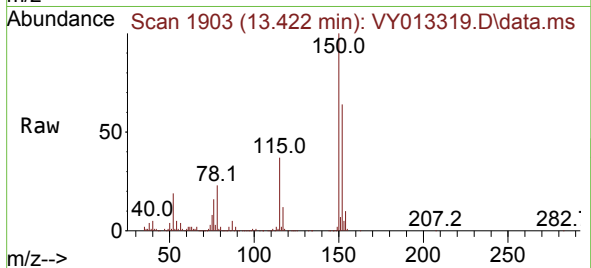
Tgt Ion:152 Resp: 127925

Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 156.4 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 39.829 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013319.D

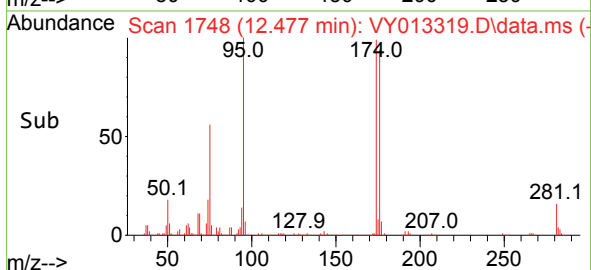
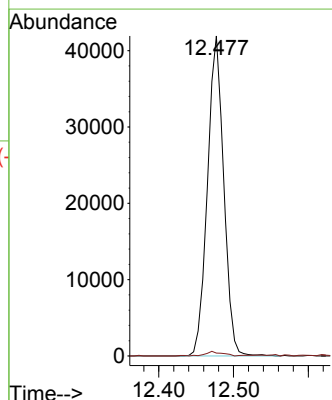
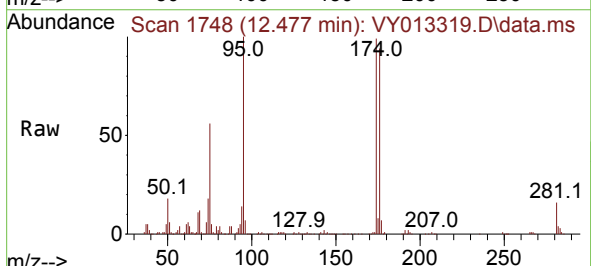
Acq: 14 Apr 2023 15:20

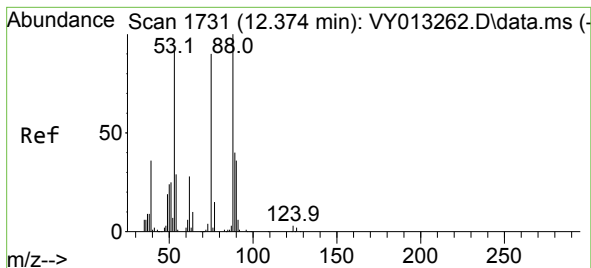
Tgt Ion: 75 Resp: 63489

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

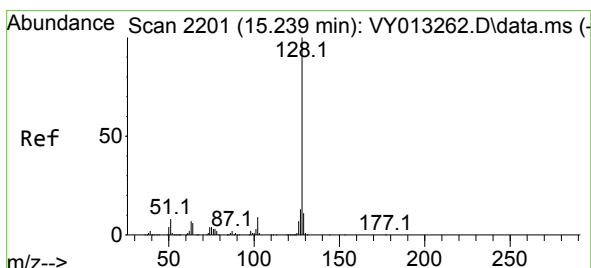
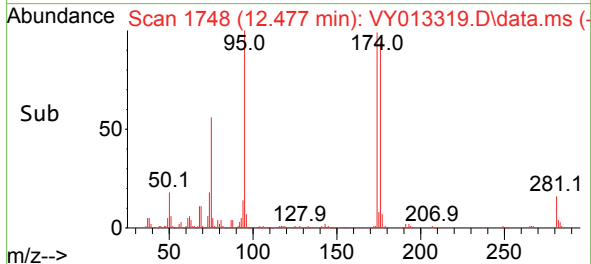
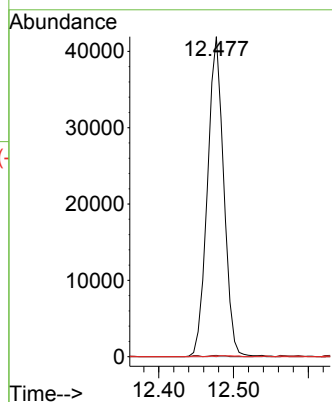
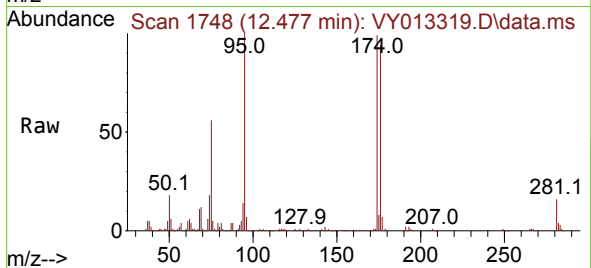




#81
trans-1,4-Dichloro-2-butene
Concen: 82.665 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Instrument :
MSVOA_Y
ClientSampleId :
20230255-16-1

Tgt Ion: 75 Resp: 63489
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.3 36.6 55.0#



#95
Naphthalene
Concen: 3.661 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013319.D
Acq: 14 Apr 2023 15:20

Tgt Ion:128 Resp: 2740
Ion Ratio Lower Upper
128 100
127 19.3 10.3 15.5#
129 13.0 8.6 13.0#

