

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013480.D
 Acq On : 26 Apr 2023 17:50
 Operator : KP/MD
 Sample : 02448-01
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230283-23-1

Quant Time: Apr 27 01:36:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

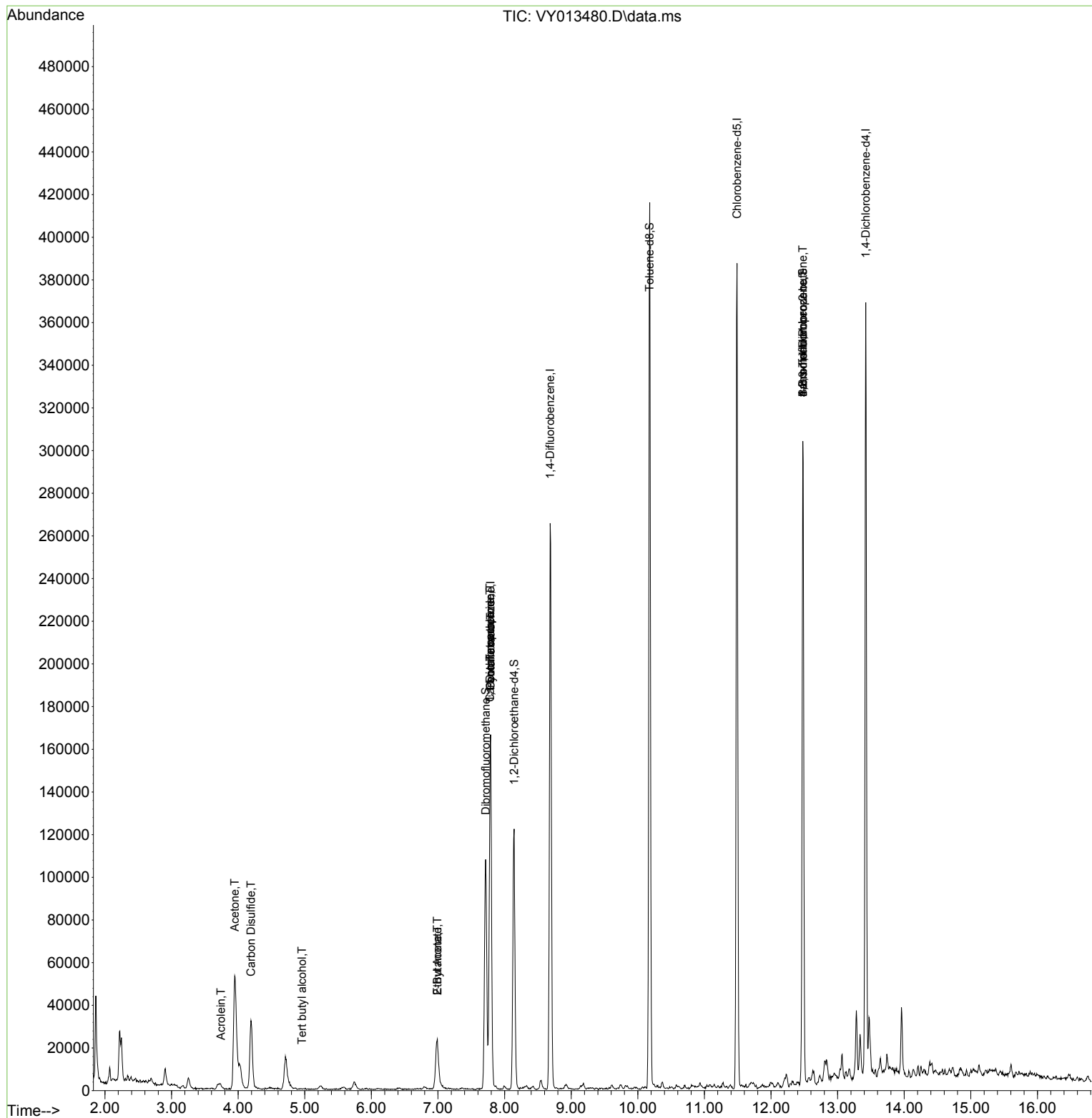
Internal Standards						
1) Pentafluorobenzene	7.789	168	122997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	211706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	196042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91864	68.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.260%			
35) Dibromofluoromethane	7.716	113	74113	55.660	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.320%			
50) Toluene-d8	10.179	98	258600	54.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.180%			
62) 4-Bromofluorobenzene	12.477	95	84304	52.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.580%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.960	59	264	2.384	ug/l #	89
13) Acrolein	3.741	56	2536	13.138	ug/l #	5
16) Acetone	3.948	43	117249	220.816	ug/l	96
17) Carbon Disulfide	4.192	76	63713	15.344	ug/l	97
20) Methylene Chloride	4.710	84	9885	Below Cal	#	84
25) 2-Butanone	6.990	43	34669	51.483	ug/l	94
31) Cyclohexane	7.789	56	3987	1.652	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	10292	4.657	ug/l #	48
37) Ethyl Acetate	6.990	43	34669	20.847	ug/l #	69
38) Carbon Tetrachloride	7.783	117	12743	5.502	ug/l #	15
71) Bromoform	12.477	173	1202	1.074	ug/l #	29
76) 1,2,3-Trichloropropane	12.477	75	45850	39.940	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45850	81.699	ug/l #	13

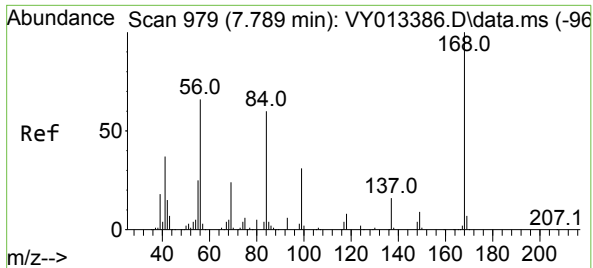
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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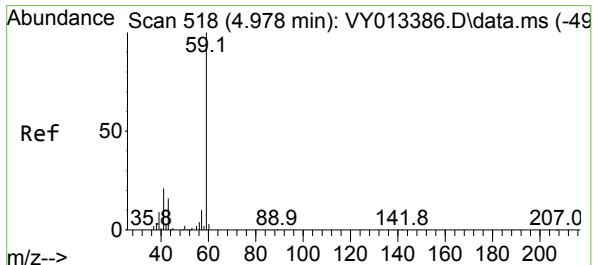
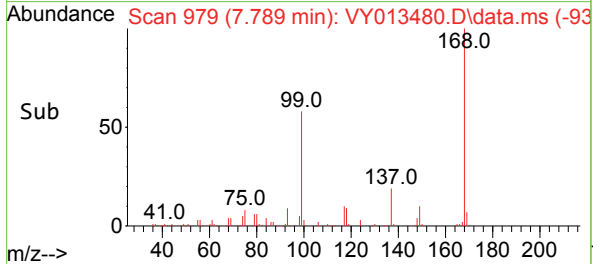
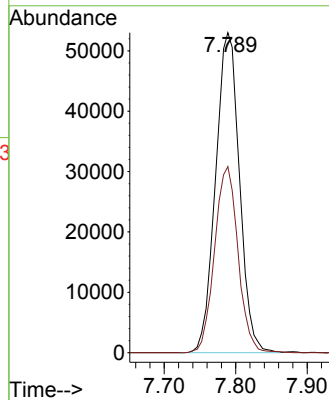
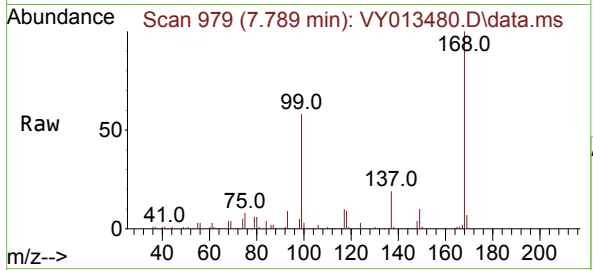




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

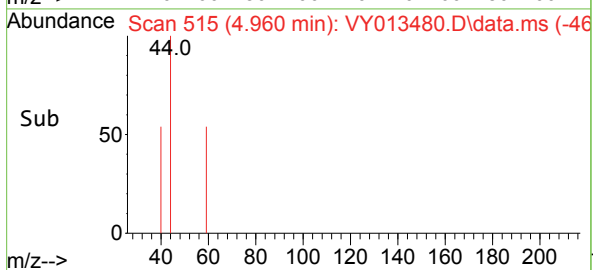
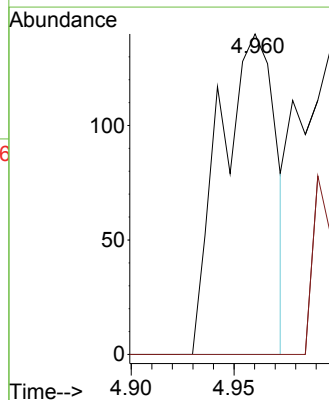
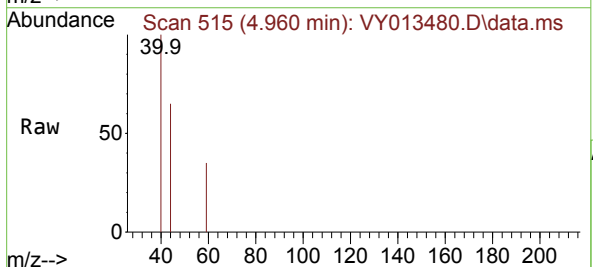
Instrument :
MSVOA_Y
ClientSampleId :
20230283-23-1

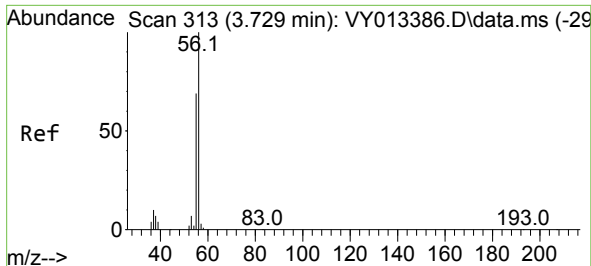
Tgt Ion:168 Resp: 122997
Ion Ratio Lower Upper
168 100
99 58.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.384 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 13.138 ug/l

RT: 3.741 min Scan# 313

Delta R.T. 0.012 min

Lab File: VY013480.D

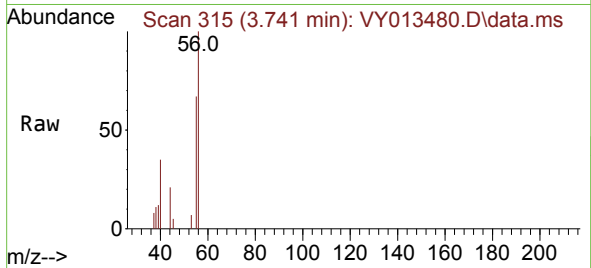
Acq: 26 Apr 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

20230283-23-1

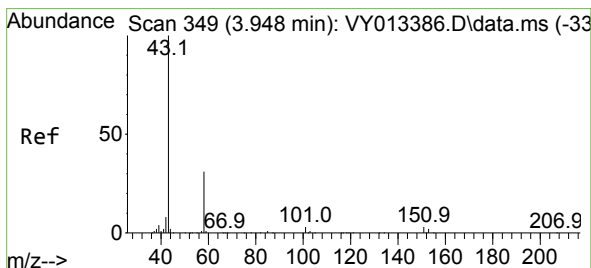
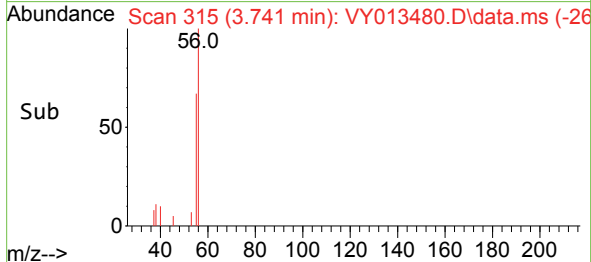
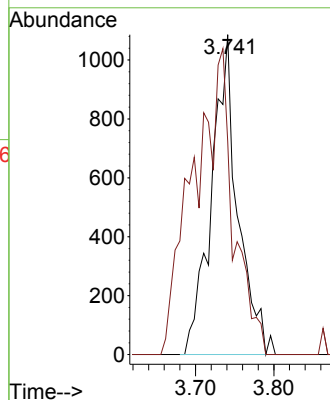


Tgt Ion: 56 Resp: 2536

Ion Ratio Lower Upper

56 100

55 144.4 54.1 81.1#



#16

Acetone

Concen: 220.816 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY013480.D

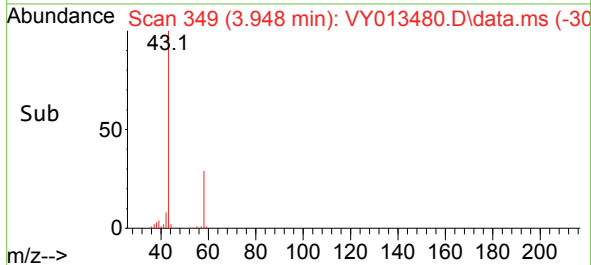
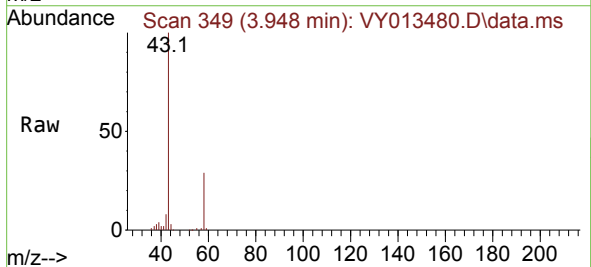
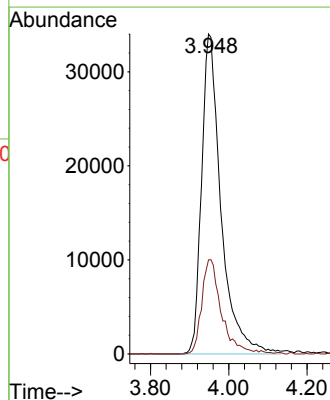
Acq: 26 Apr 2023 17:50

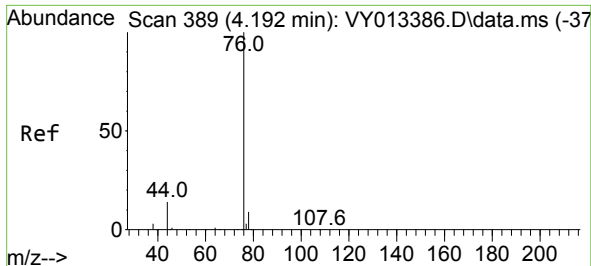
Tgt Ion: 43 Resp: 117249

Ion Ratio Lower Upper

43 100

58 29.4 25.4 38.0

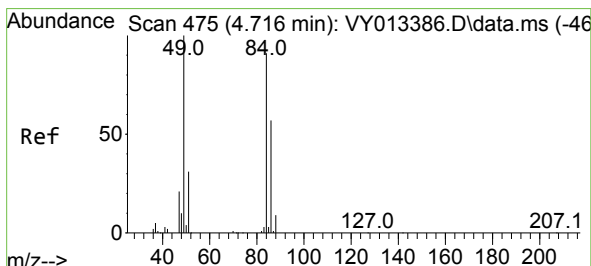
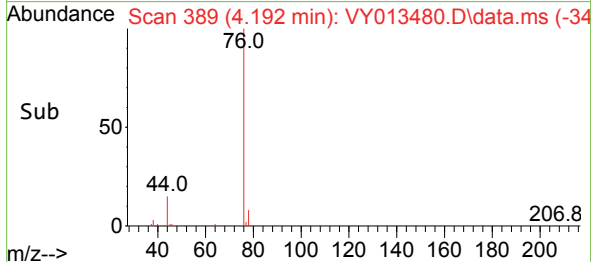
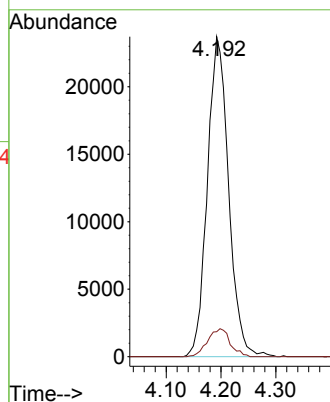
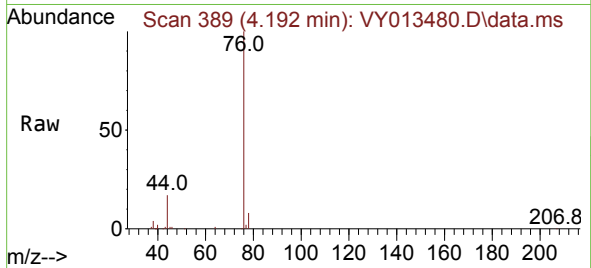




#17
Carbon Disulfide
Concen: 15.344 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

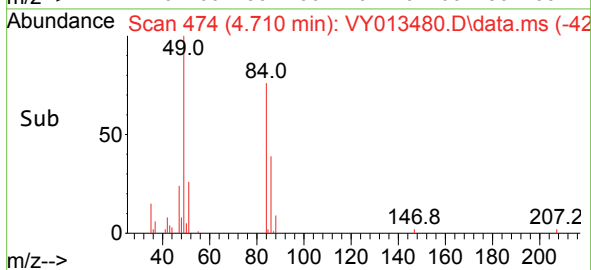
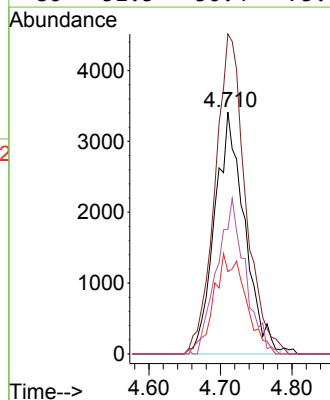
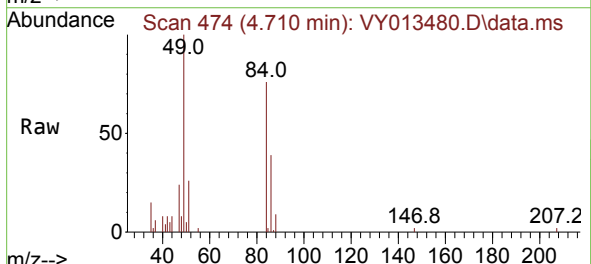
Instrument :
MSVOA_Y
ClientSampleId :
20230283-23-1

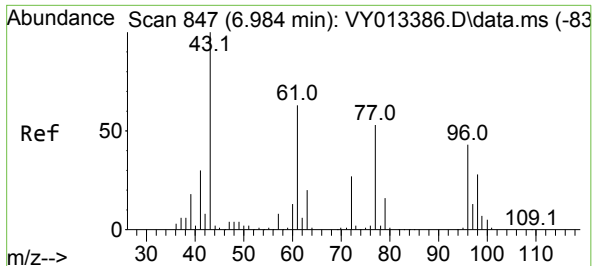
Tgt Ion: 76 Resp: 63713
Ion Ratio Lower Upper
76 100
78 7.8 7.2 10.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

Tgt Ion: 84 Resp: 9885
Ion Ratio Lower Upper
84 100
49 132.3 88.0 132.0#
51 34.1 27.4 41.0
86 51.5 50.4 75.6

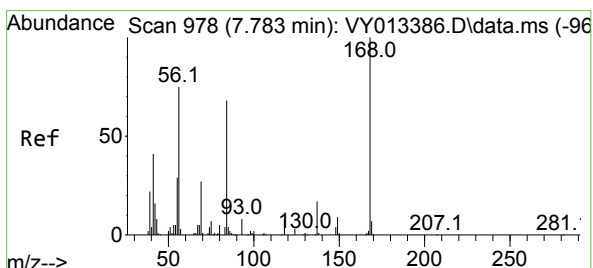
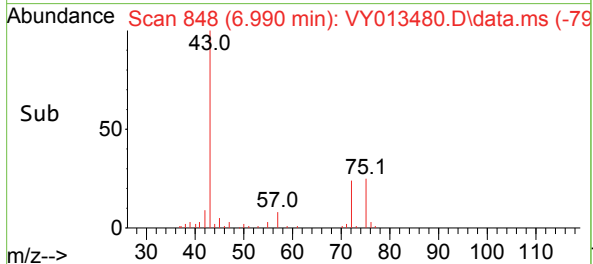
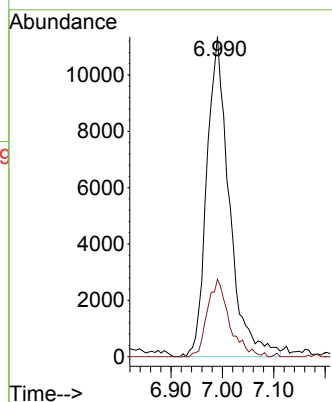
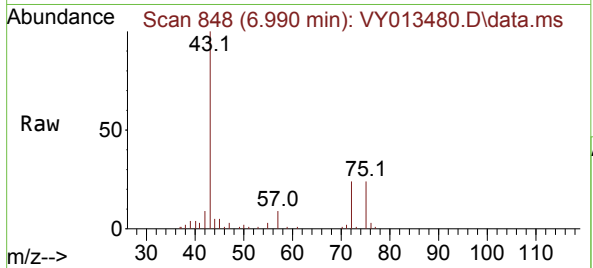




#25
2-Butanone
Concen: 51.483 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

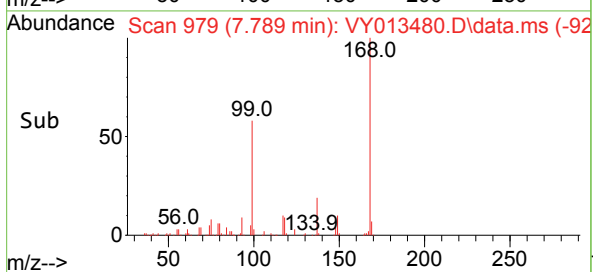
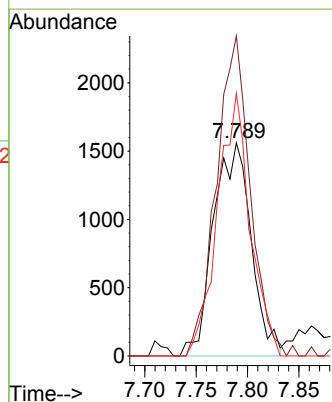
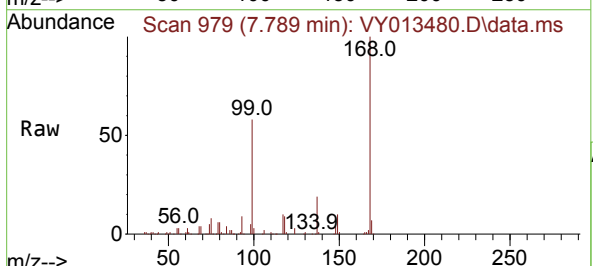
Instrument :
MSVOA_Y
ClientSampleId :
20230283-23-1

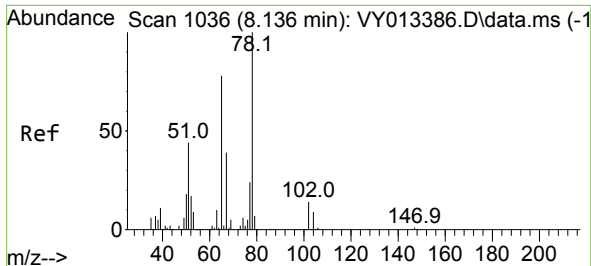
Tgt Ion: 43 Resp: 34669
Ion Ratio Lower Upper
43 100
72 24.2 21.9 32.9



#31
Cyclohexane
Concen: 1.652 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

Tgt Ion: 56 Resp: 3987
Ion Ratio Lower Upper
56 100
69 150.2 29.2 43.8#
84 123.2 73.0 109.6#

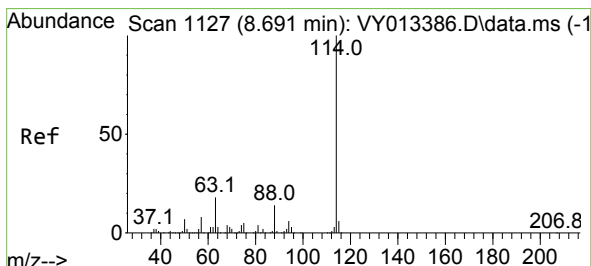
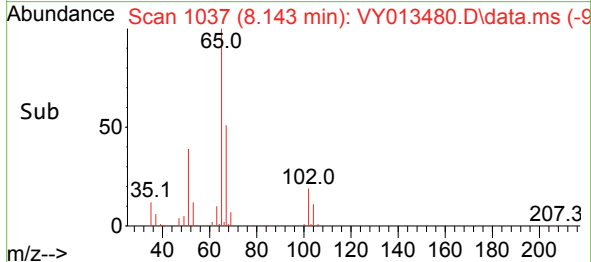
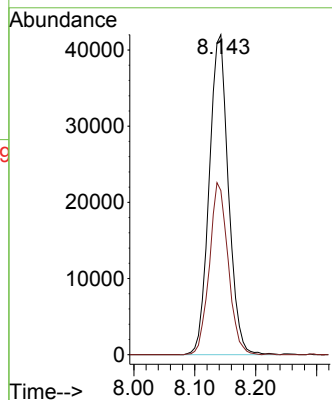
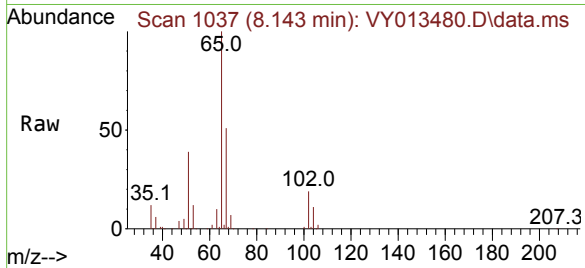




#33
 1,2-Dichloroethane-d4
 Concen: 68.132 ug/l
 RT: 8.143 min Scan# 110
 Delta R.T. 0.007 min
 Lab File: VY013480.D
 Acq: 26 Apr 2023 17:50

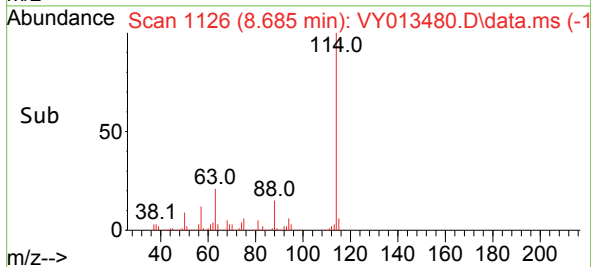
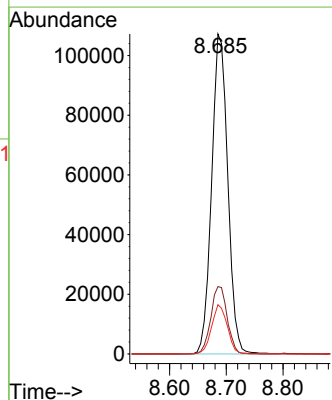
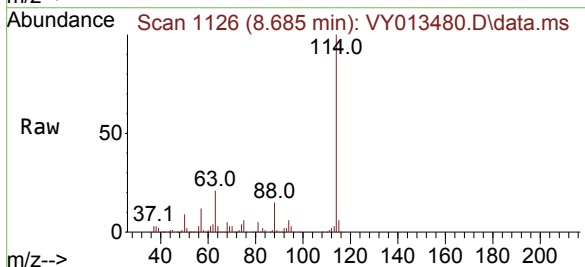
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 20230283-23-1

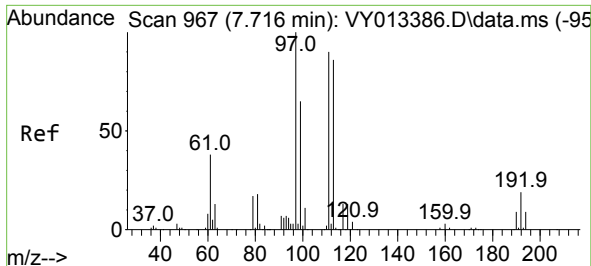
Tgt Ion: 65 Resp: 91864
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013480.D
 Acq: 26 Apr 2023 17:50

Tgt Ion: 114 Resp: 211706
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 36.6
 88 15.4 0.0 28.8

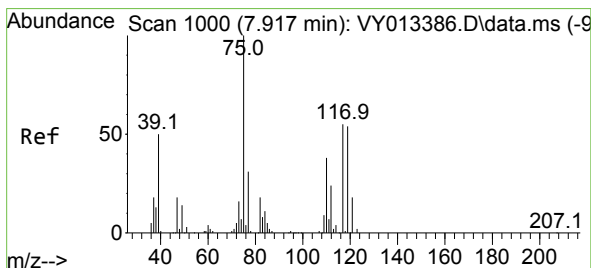
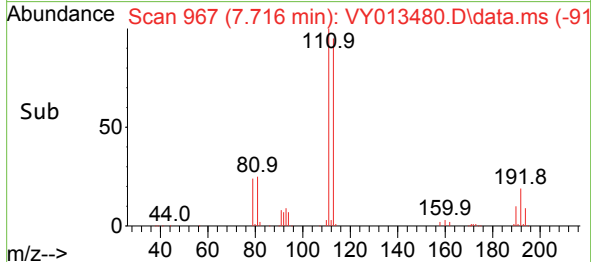
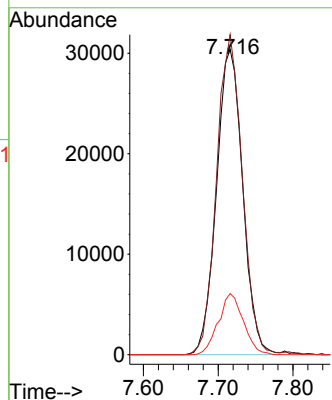
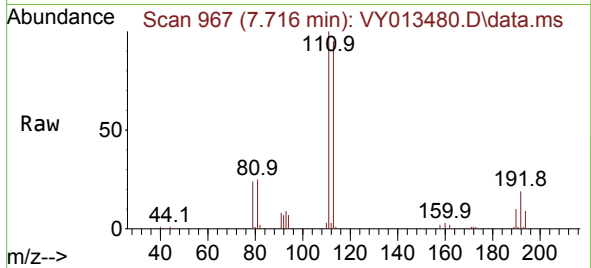




#35
Dibromofluoromethane
Concen: 55.660 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

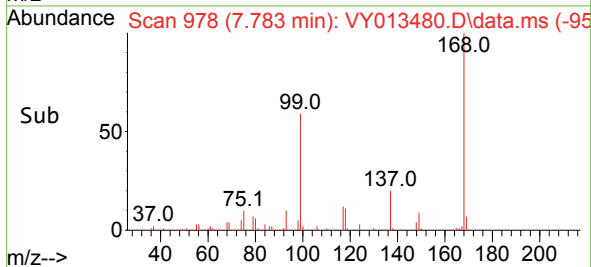
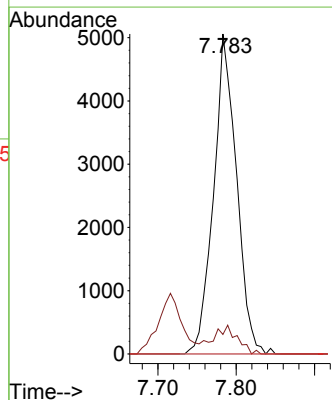
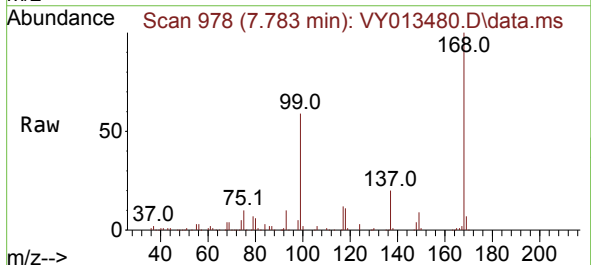
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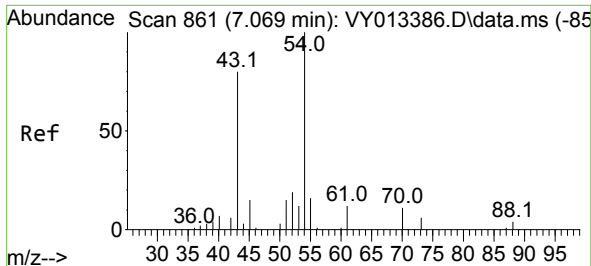
Tgt Ion:113 Resp: 74113
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

Tgt Ion: 75 Resp: 10292
Ion Ratio Lower Upper
75 100
110 8.1 18.7 56.1#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 20.847 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY013480.D

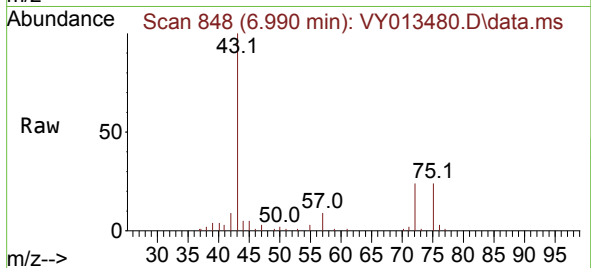
Acq: 26 Apr 2023 17:50

Instrument :

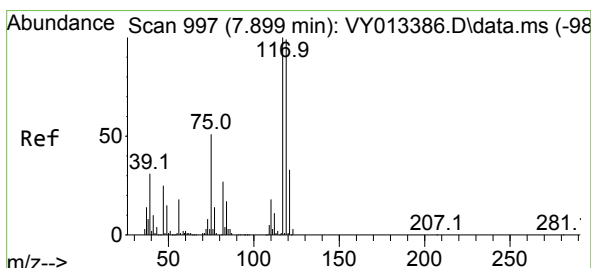
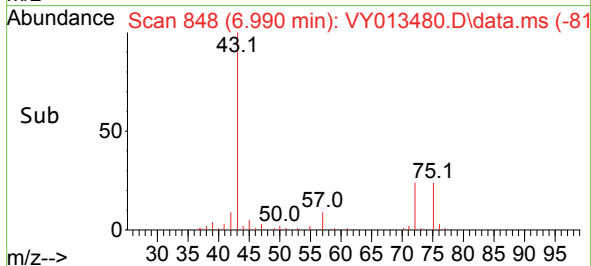
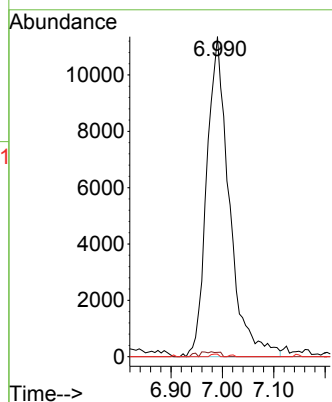
MSVOA_Y

ClientSampleId :

20230283-23-1



Tgt Ion:	43	Resp:	34669
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.3	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.502 ug/l

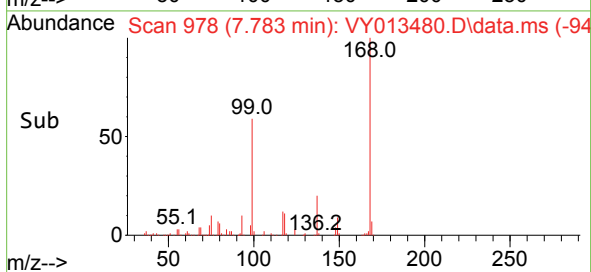
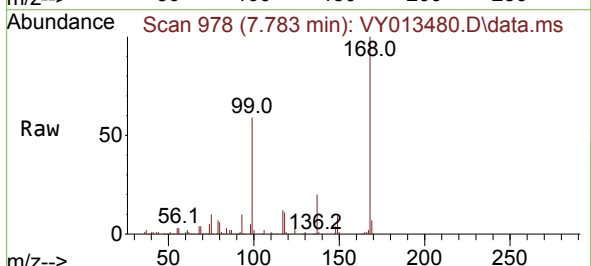
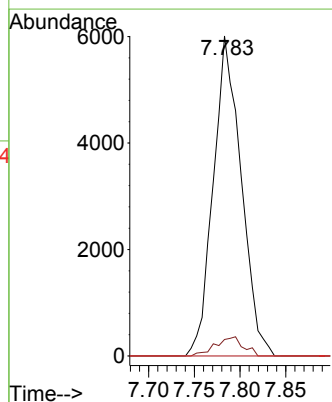
RT: 7.783 min Scan# 978

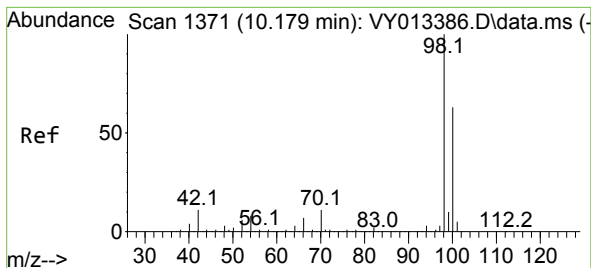
Delta R.T. -0.116 min

Lab File: VY013480.D

Acq: 26 Apr 2023 17:50

Tgt Ion:	117	Resp:	12743
Ion	Ratio	Lower	Upper
117	100		
119	5.2	79.0	118.6#
121	0.0	26.6	40.0#

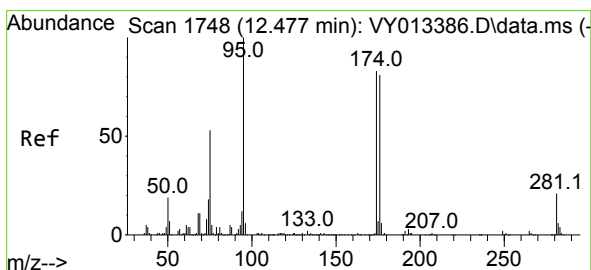
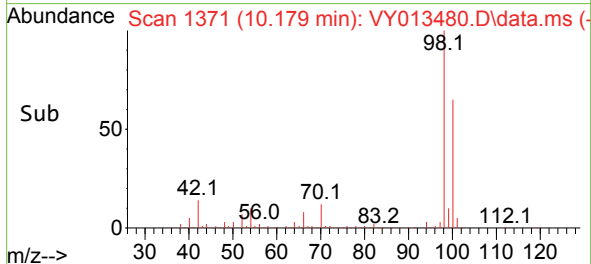
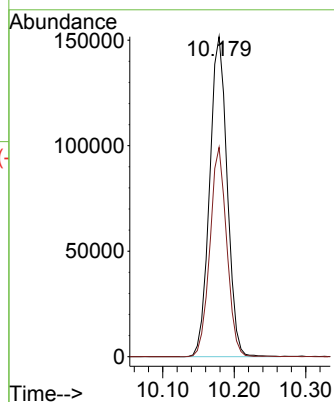
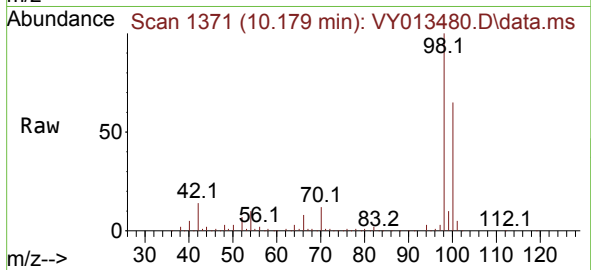




#50
Toluene-d8
Concen: 54.594 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

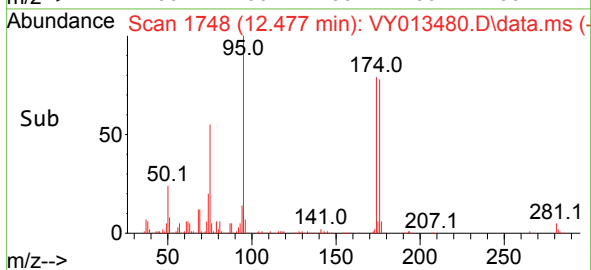
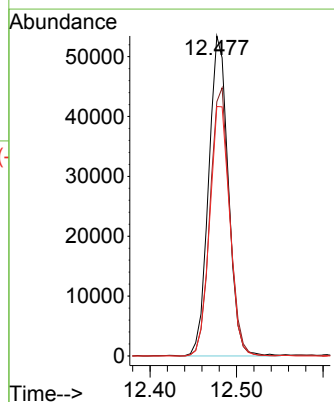
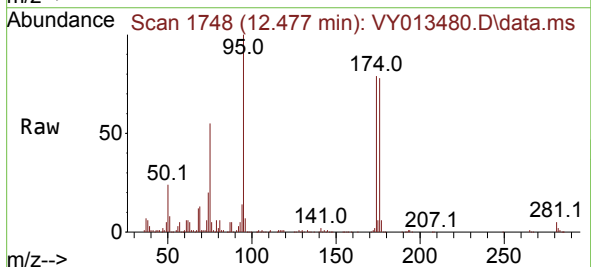
Instrument :
MSVOA_Y
ClientSampleId :
20230283-23-1

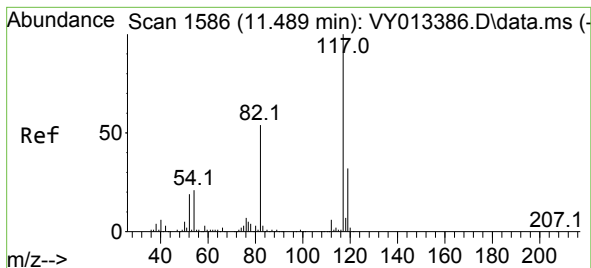
Tgt Ion: 98 Resp: 258600
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.792 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013480.D
Acq: 26 Apr 2023 17:50

Tgt Ion: 95 Resp: 84304
Ion Ratio Lower Upper
95 100
174 83.3 0.0 182.0
176 79.7 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013480.D

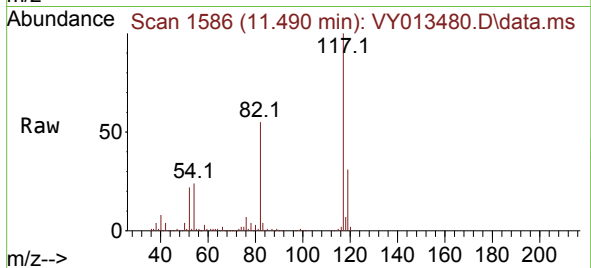
Acq: 26 Apr 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

20230283-23-1



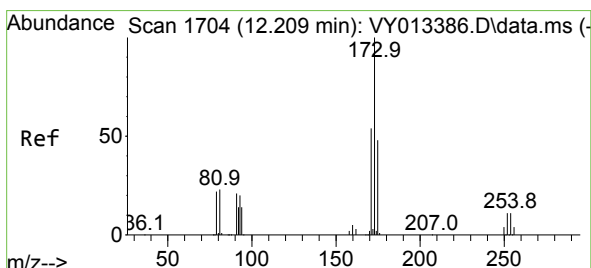
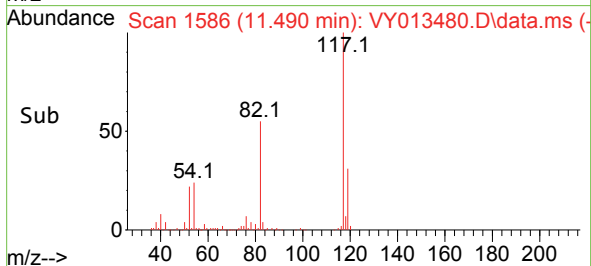
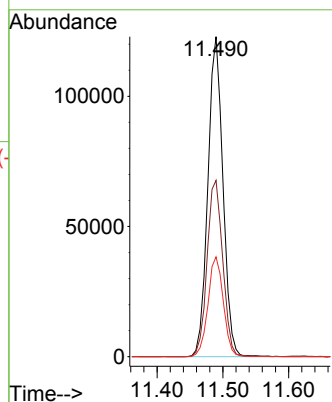
Tgt Ion:117 Resp: 196042

Ion Ratio Lower Upper

117 100

82 55.1 43.0 64.6

119 31.2 25.5 38.3



#71

Bromoform

Concen: 1.074 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.268 min

Lab File: VY013480.D

Acq: 26 Apr 2023 17:50

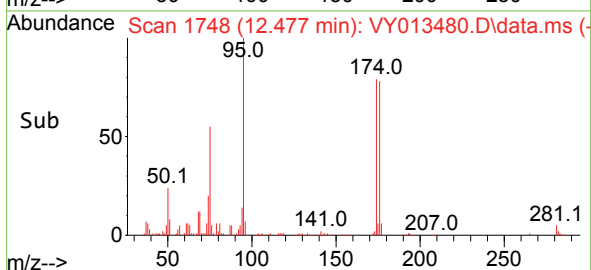
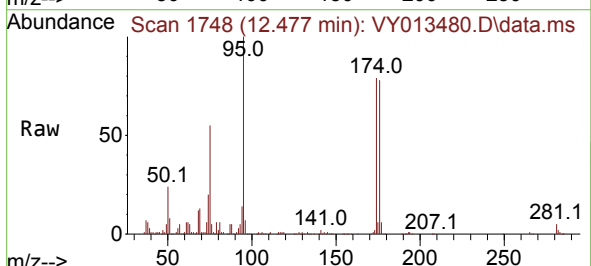
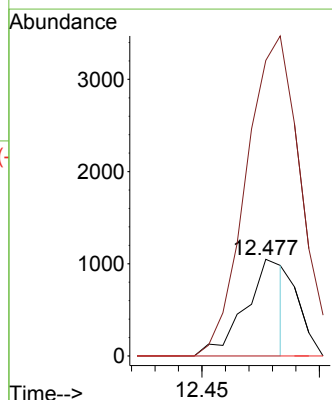
Tgt Ion:173 Resp: 1202

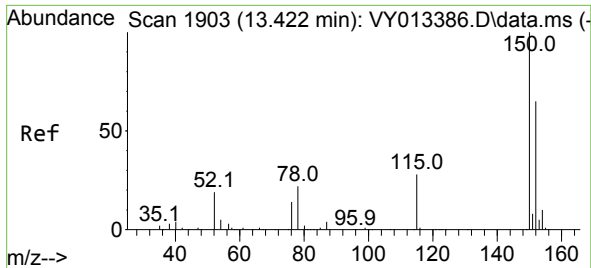
Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

254 0.0 0.2 0.2#

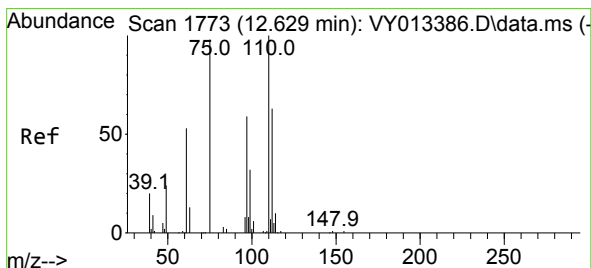
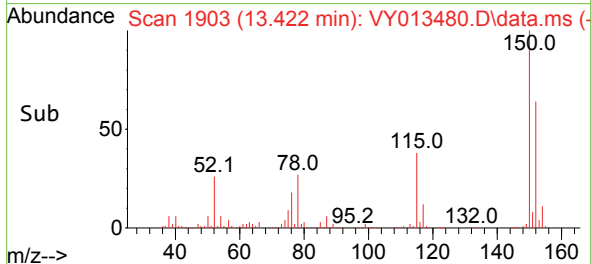
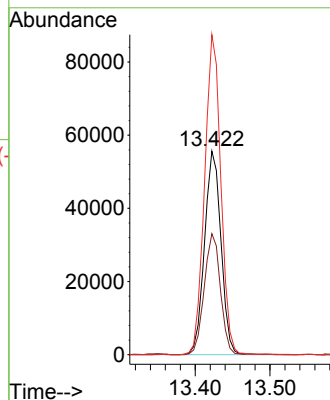
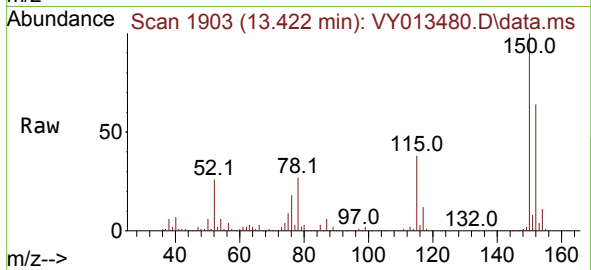




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013480.D
 Acq: 26 Apr 2023 17:50

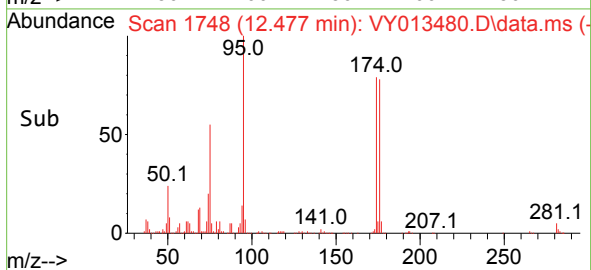
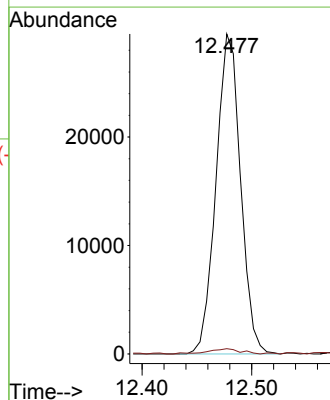
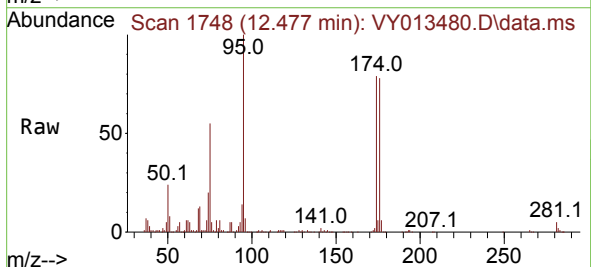
Instrument :
 MSVOA_Y
 ClientSampleId :
 20230283-23-1

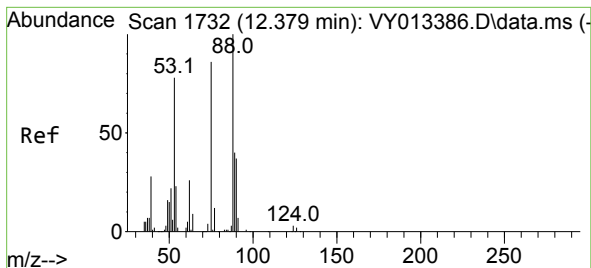
Tgt Ion:152 Resp: 85122
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.1 84.2
 150 154.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 39.940 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013480.D
 Acq: 26 Apr 2023 17:50

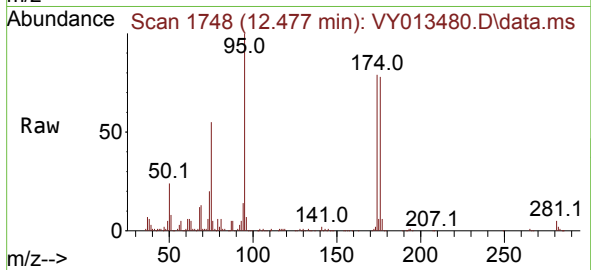
Tgt Ion: 75 Resp: 45850
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.699 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013480.D
 Acq: 26 Apr 2023 17:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230283-23-1



Tgt Ion: 75 Resp: 45850
 Ion Ratio Lower Upper
 75 100
 53 0.8 73.2 109.8#
 89 0.1 38.0 57.0#

