

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014692.D
 Acq On : 18 Jul 2023 11:24
 Operator : SY/MD
 Sample : 03600-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-071223

Quant Time: Jul 19 04:01:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

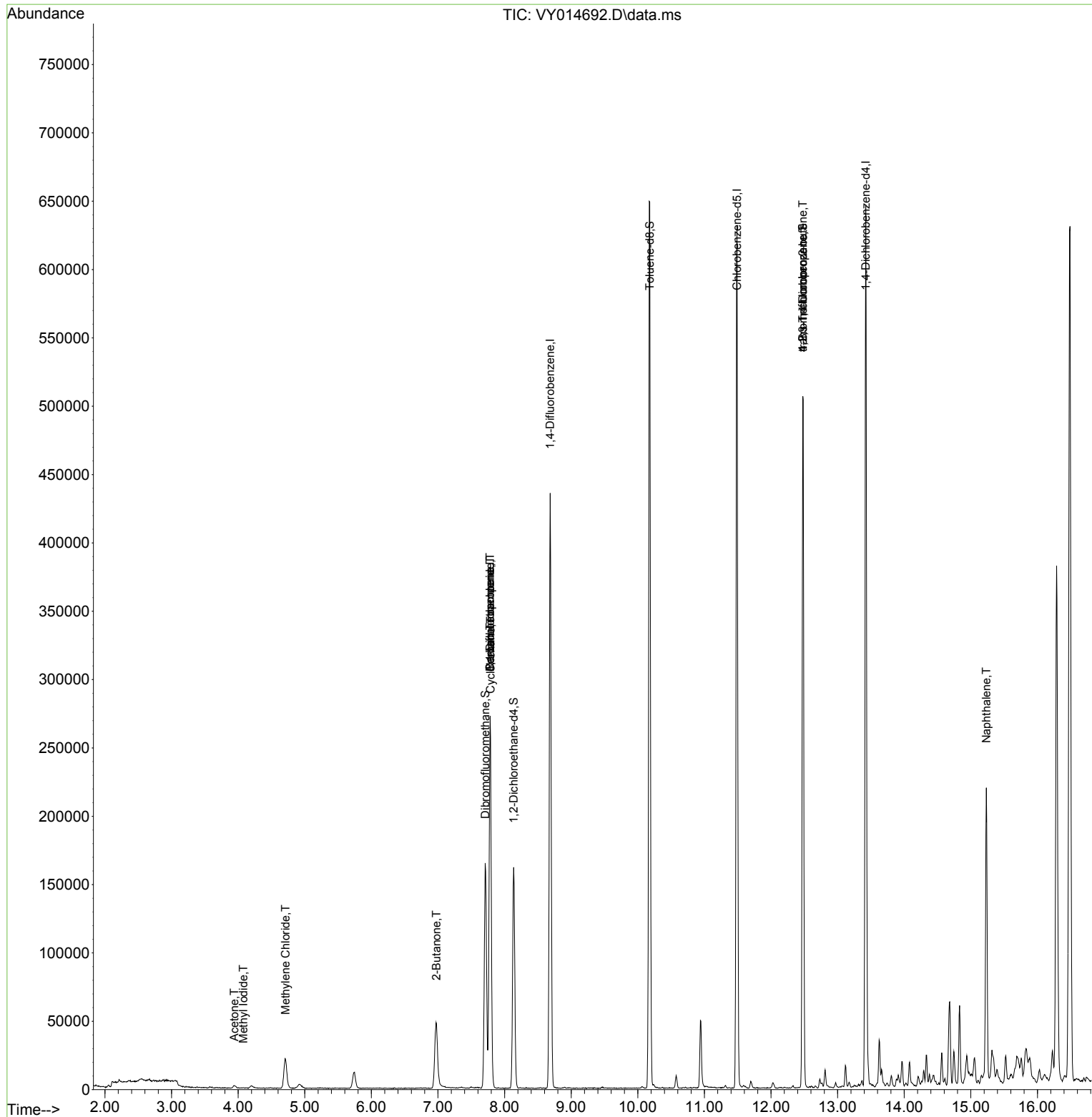
Internal Standards						
1) Pentafluorobenzene	7.783	168	211198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	345297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126623	52.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.220%	
35) Dibromofluoromethane	7.709	113	117057	49.957	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.920%	
50) Toluene-d8	10.178	98	435273	50.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	12.477	95	163611	49.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.780%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	287	2.485	ug/l #	38
11) Tert butyl alcohol	4.911	59	1833	Below Cal	#	90
16) Acetone	3.942	43	3424	4.490	ug/l	99
20) Methylene Chloride	4.710	84	16849	2.816	ug/l	87
25) 2-Butanone	6.978	43	3286	2.945	ug/l #	81
31) Cyclohexane	7.789	56	4473	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15958	4.554	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20772	5.608	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	84448	41.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84448	79.517	ug/l #	11
95) Naphthalene	15.232	128	173158	22.564	ug/l	99

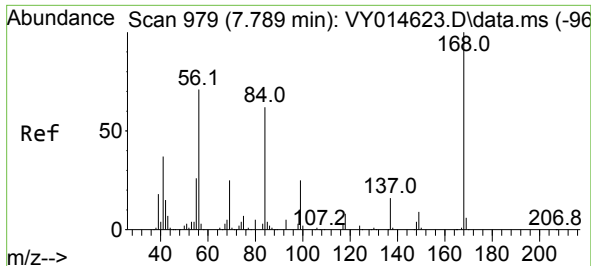
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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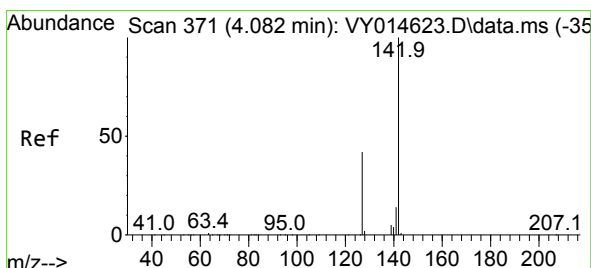
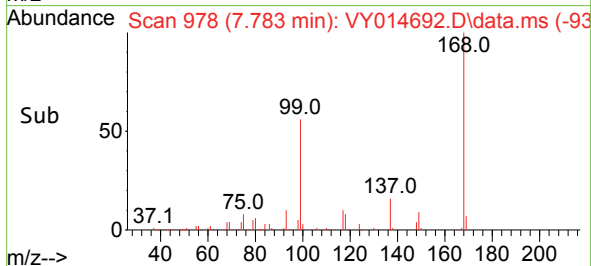
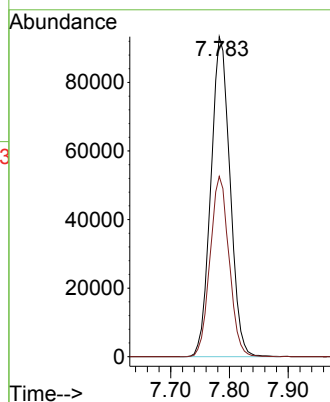
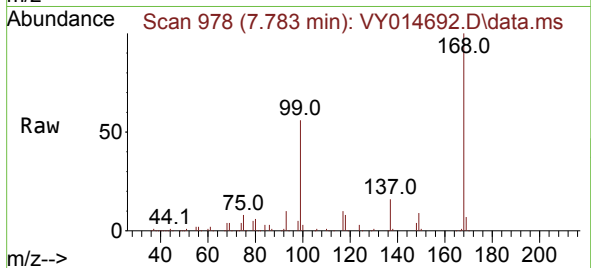




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

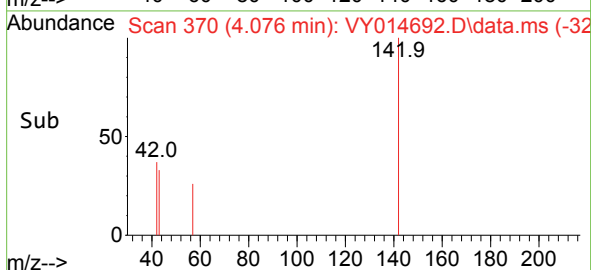
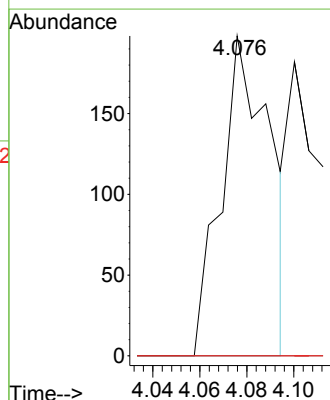
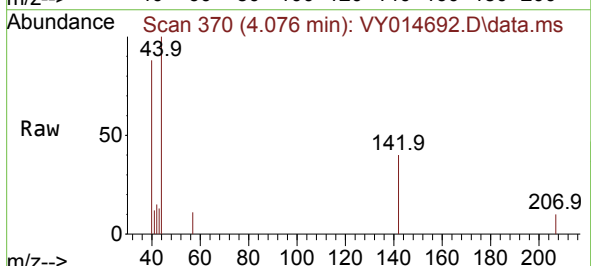
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-071223

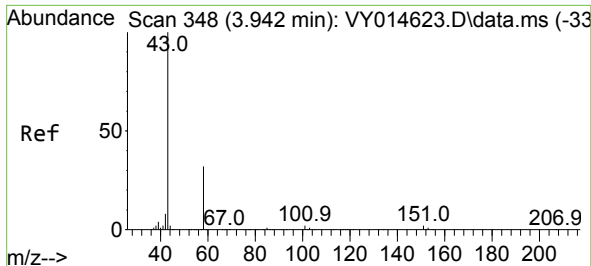
Tgt Ion:168 Resp: 211198
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#10
Methyl Iodide
Concen: 2.485 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion:142 Resp: 287
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.490 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY014692.D

Acq: 18 Jul 2023 11:24

Instrument :

MSVOA_Y

ClientSampleId :

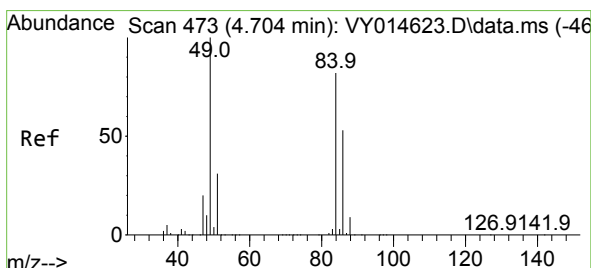
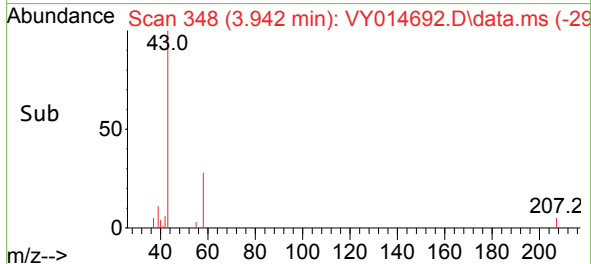
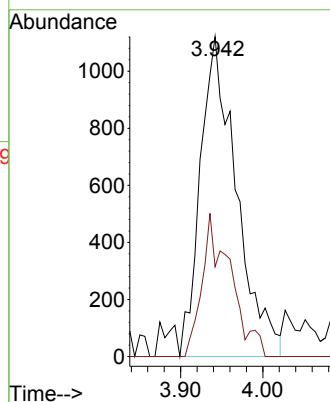
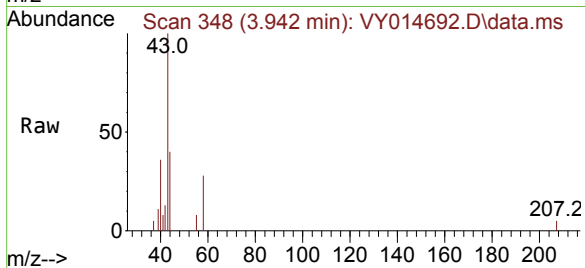
SU-3-071223

Tgt Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

58 28.1 22.7 34.1



#20

Methylene Chloride

Concen: 2.816 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014692.D

Acq: 18 Jul 2023 11:24

Tgt Ion: 84 Resp: 16849

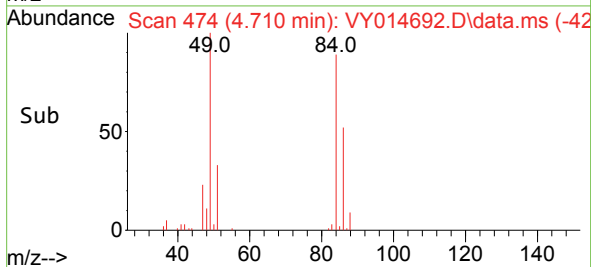
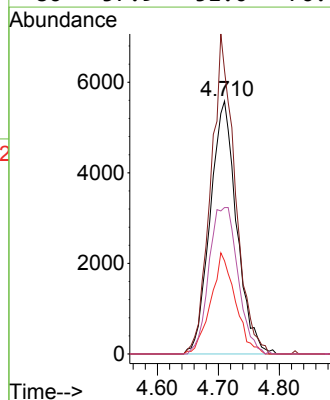
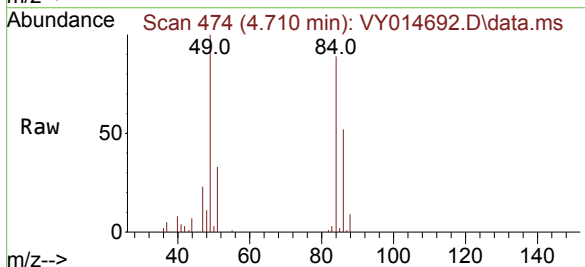
Ion Ratio Lower Upper

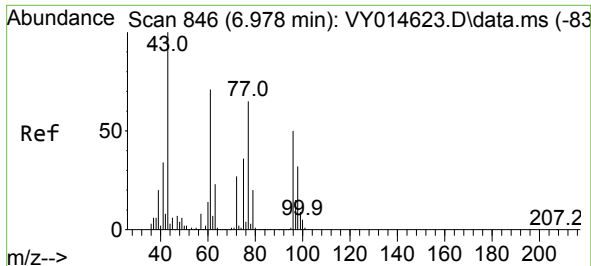
84 100

49 112.1 106.9 160.3

51 36.8 33.2 49.8

86 57.9 51.0 76.6

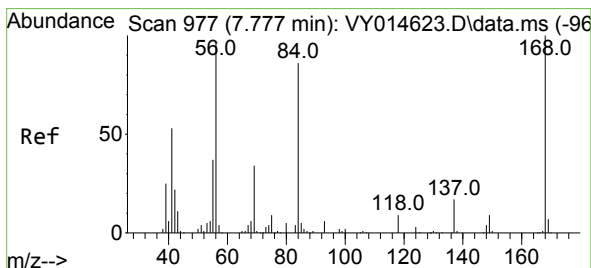
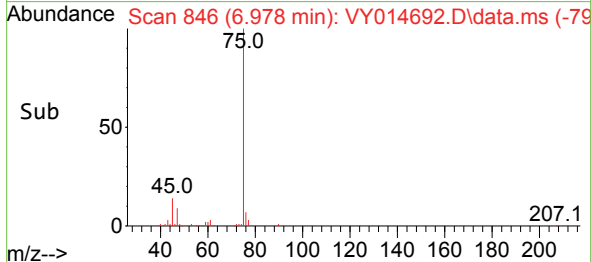
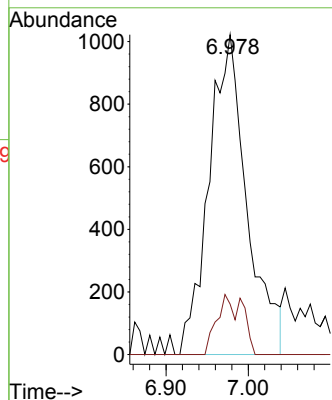
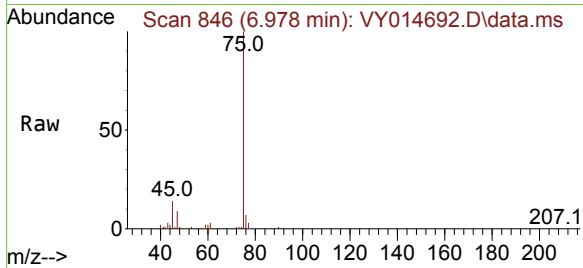




#25
2-Butanone
Concen: 2.945 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

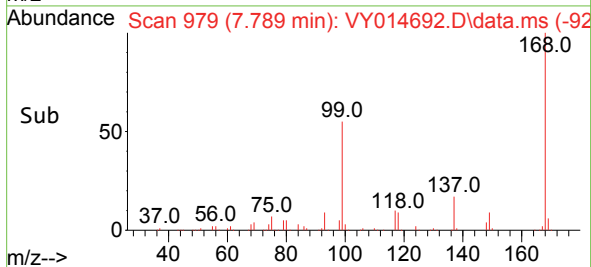
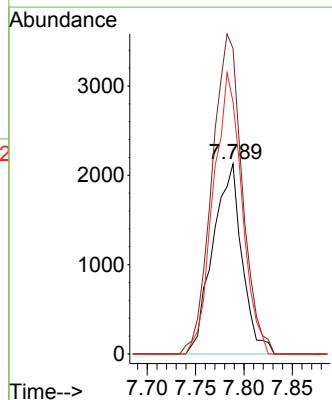
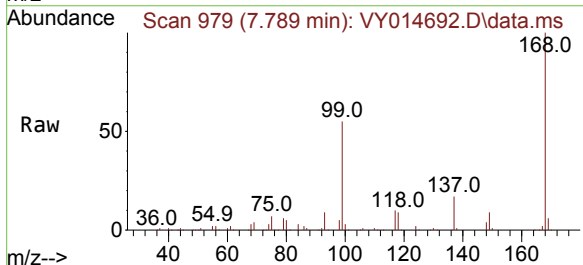
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-071223

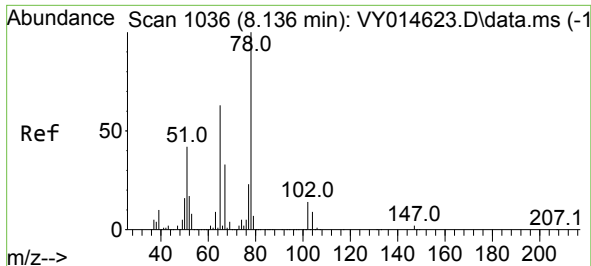
Tgt Ion: 43 Resp: 3286
Ion Ratio Lower Upper
43 100
72 15.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion: 56 Resp: 4473
Ion Ratio Lower Upper
56 100
69 160.8 27.8 41.6#
84 132.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.613 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014692.D

Acq: 18 Jul 2023 11:24

Instrument :

MSVOA_Y

ClientSampleId :

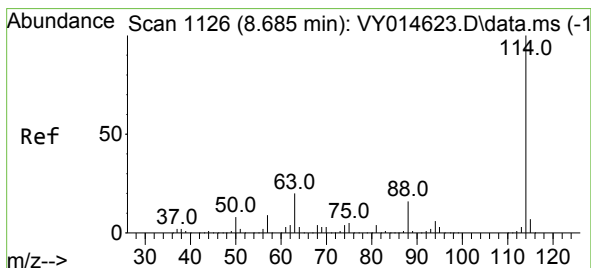
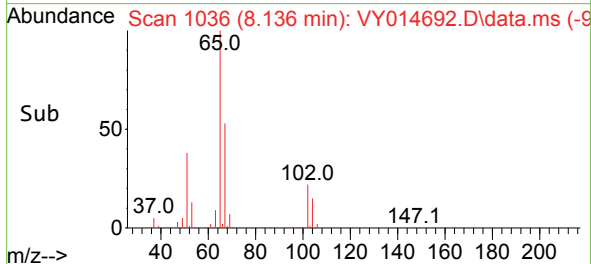
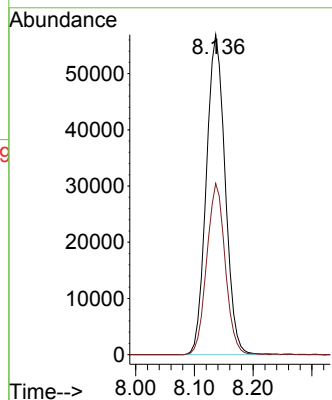
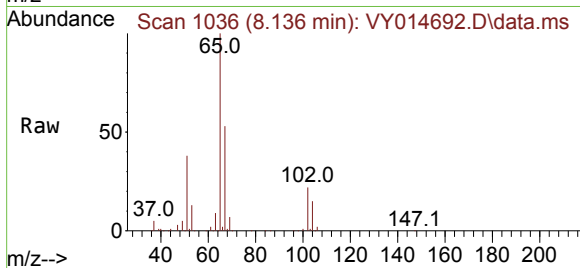
SU-3-071223

Tgt Ion: 65 Resp: 126623

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014692.D

Acq: 18 Jul 2023 11:24

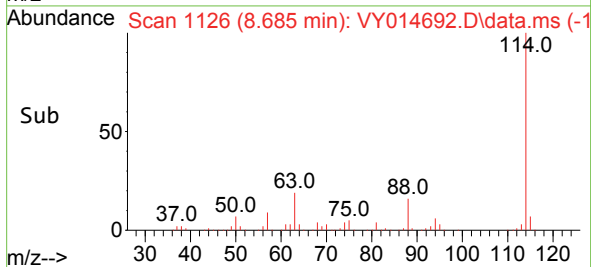
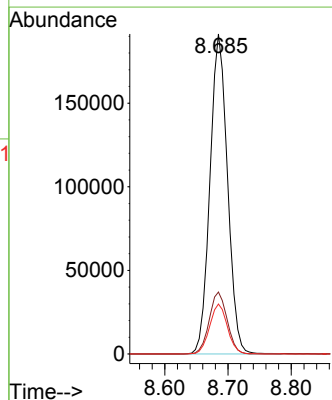
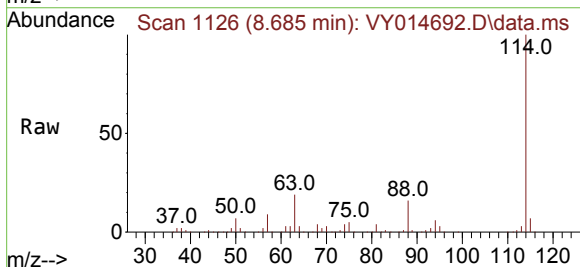
Tgt Ion: 114 Resp: 368084

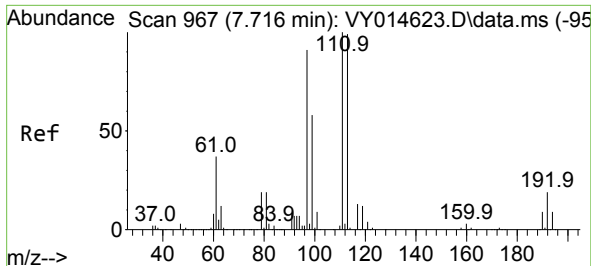
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.6 0.0 30.6

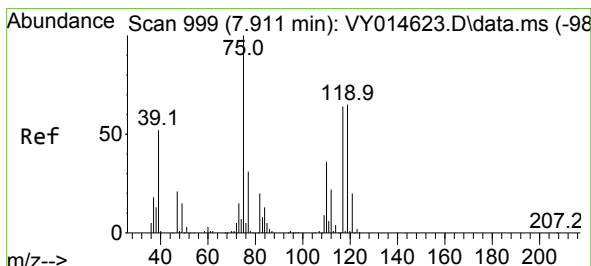
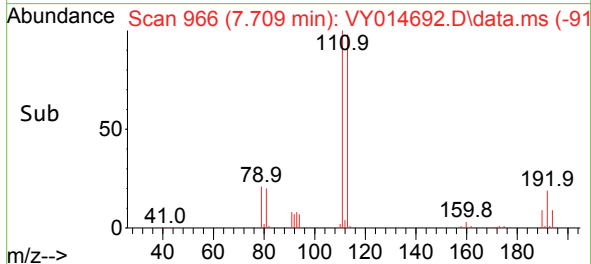
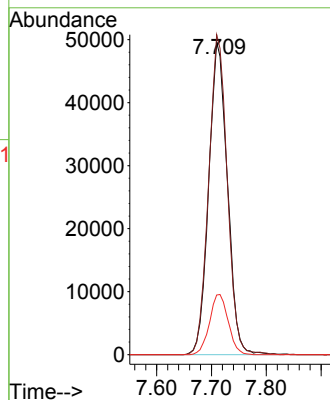
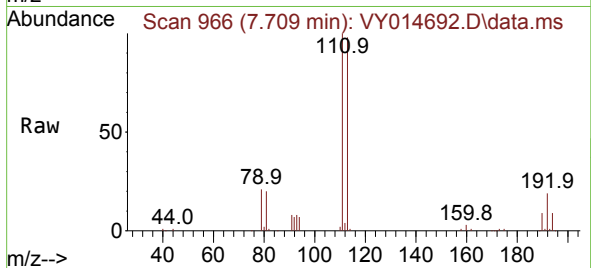




#35
Dibromofluoromethane
Concen: 49.957 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

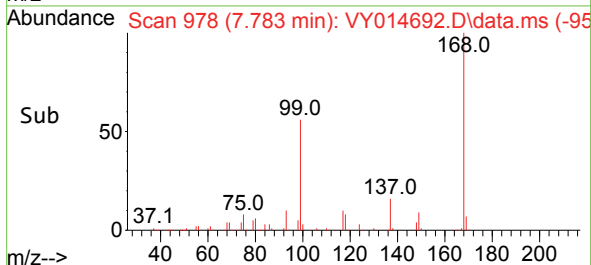
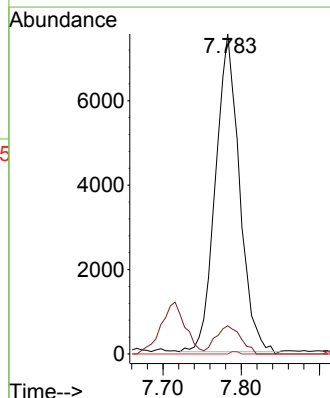
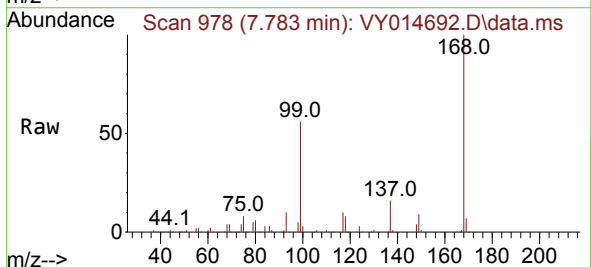
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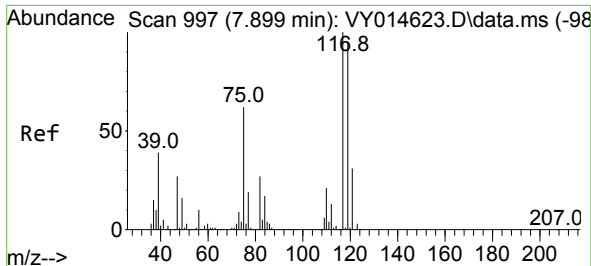
Tgt Ion:113 Resp: 117057
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.554 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion: 75 Resp: 15958
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.3 24.4 36.6#

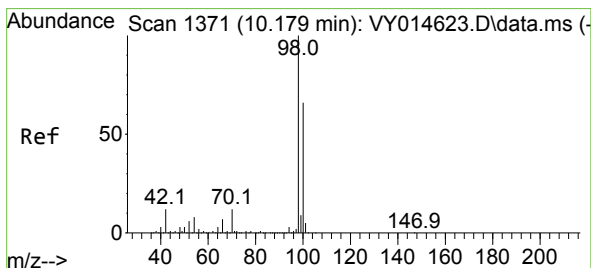
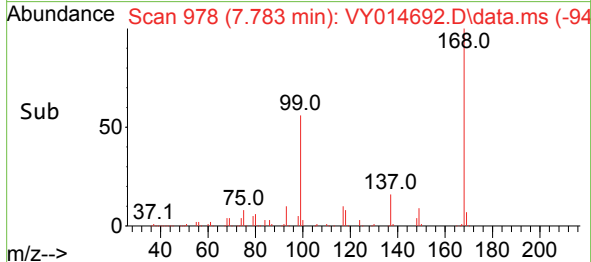
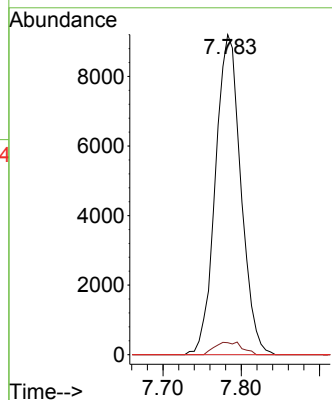
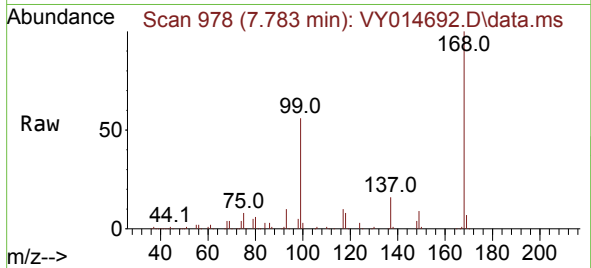




#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

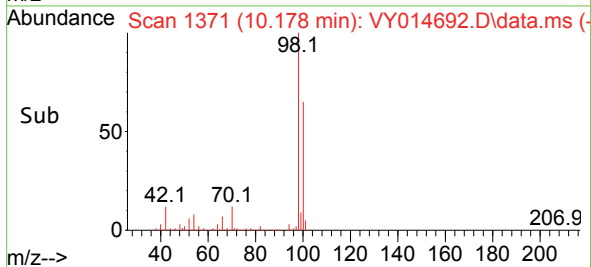
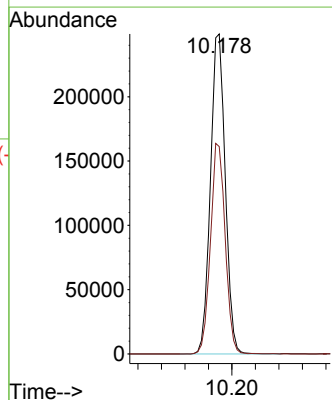
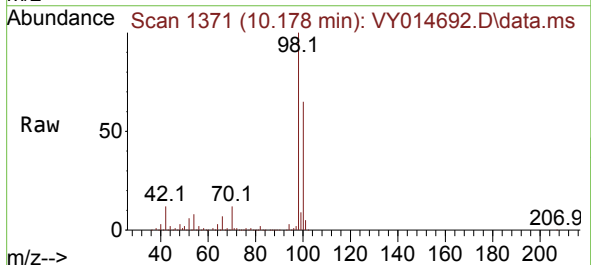
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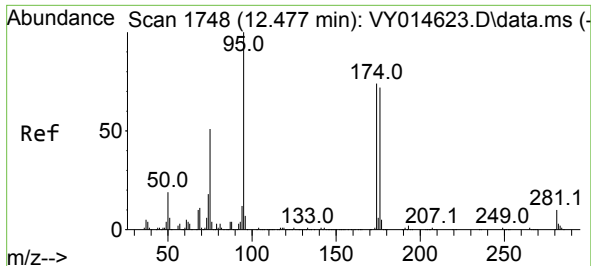
Tgt Ion:117 Resp: 20772
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.387 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion: 98 Resp: 435273
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

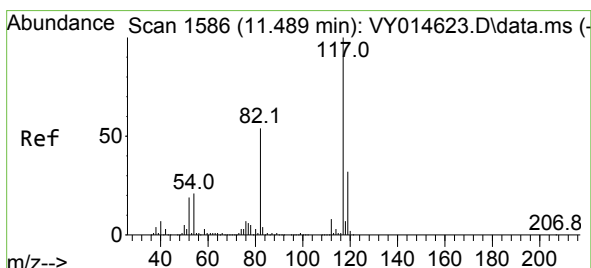
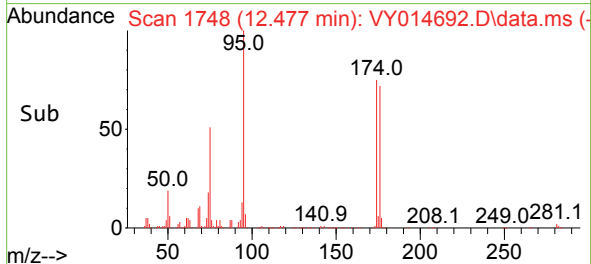
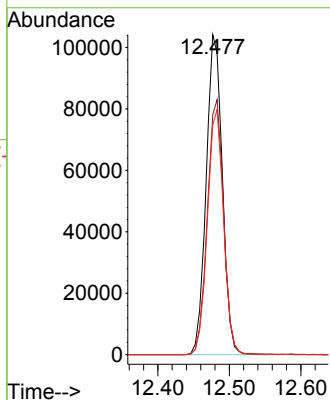
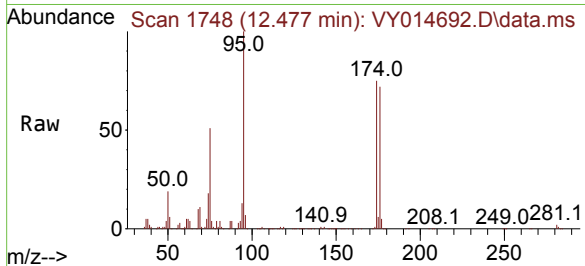




#62
4-Bromofluorobenzene
Concen: 49.394 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

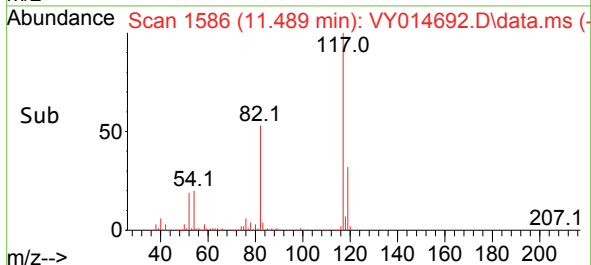
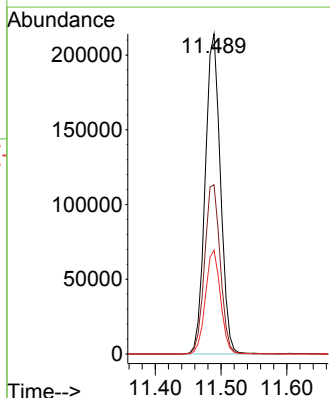
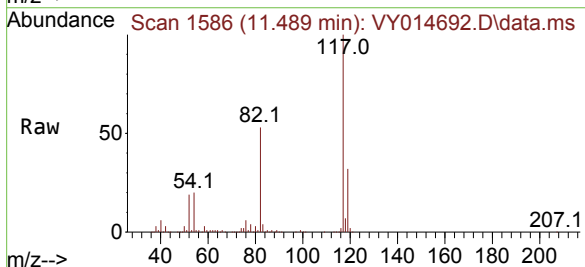
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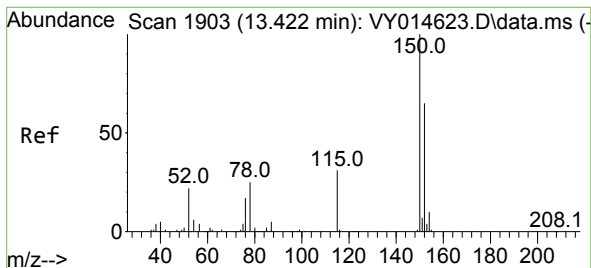
Tgt Ion: 95 Resp: 163611
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.2
176 76.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion: 117 Resp: 345297
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014692.D

Acq: 18 Jul 2023 11:24

Instrument :

MSVOA_Y

ClientSampleId :

SU-3-071223

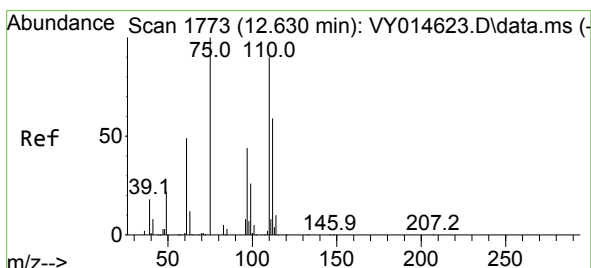
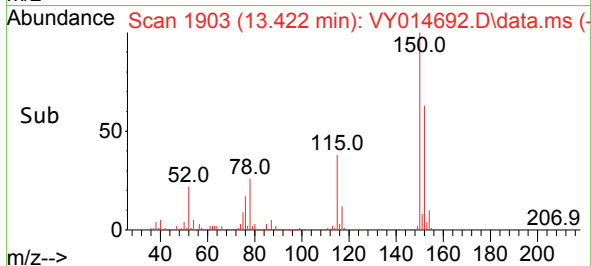
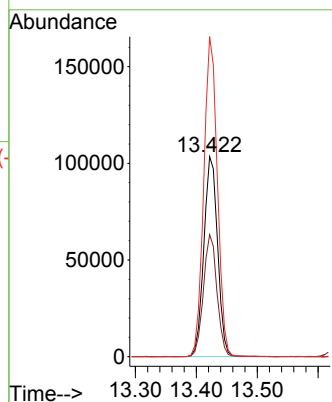
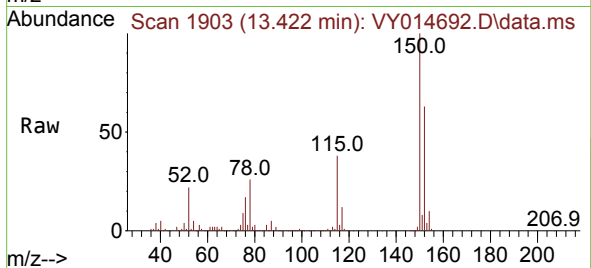
Tgt Ion:152 Resp: 162810

Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 158.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.069 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014692.D

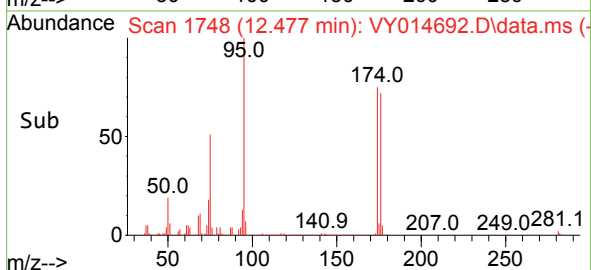
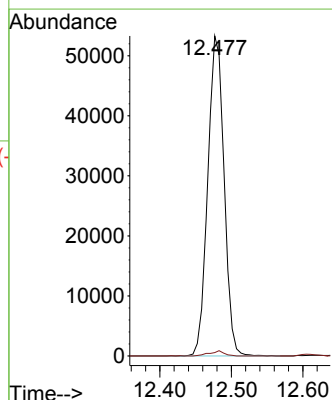
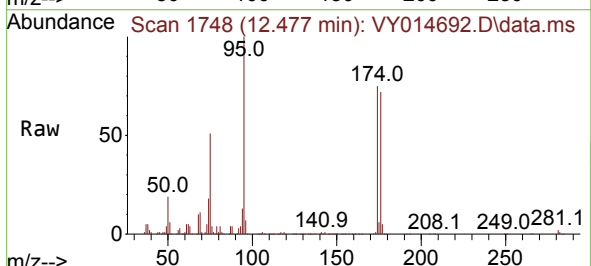
Acq: 18 Jul 2023 11:24

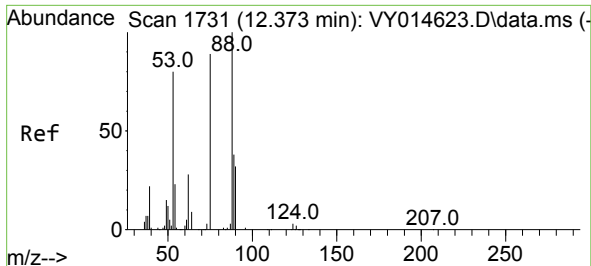
Tgt Ion: 75 Resp: 84448

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

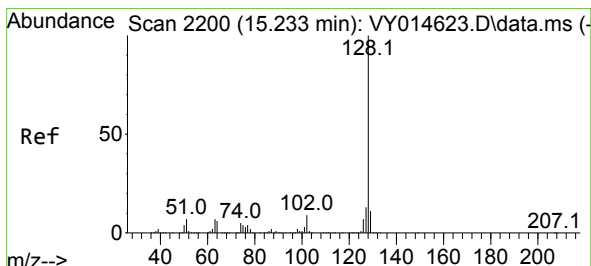
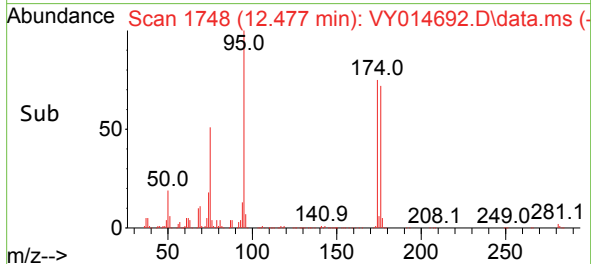
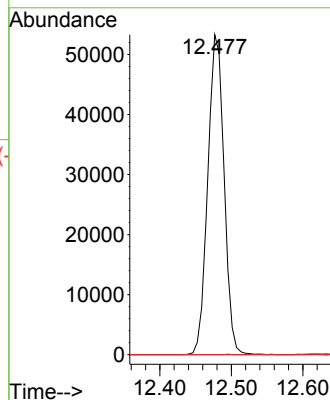
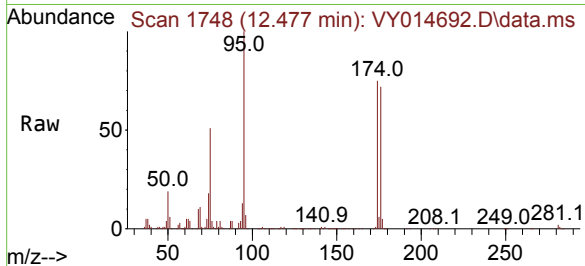




#81
trans-1,4-Dichloro-2-butene
Concen: 79.517 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-071223

Tgt Ion: 75 Resp: 84448
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 22.564 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY014692.D
Acq: 18 Jul 2023 11:24

Tgt Ion: 128 Resp: 173158
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 11.0 8.6 13.0

