

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014648.D
 Acq On : 14 Jul 2023 15:27
 Operator : SY/MD
 Sample : 03621-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-071323

Quant Time: Jul 14 23:11:16 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)

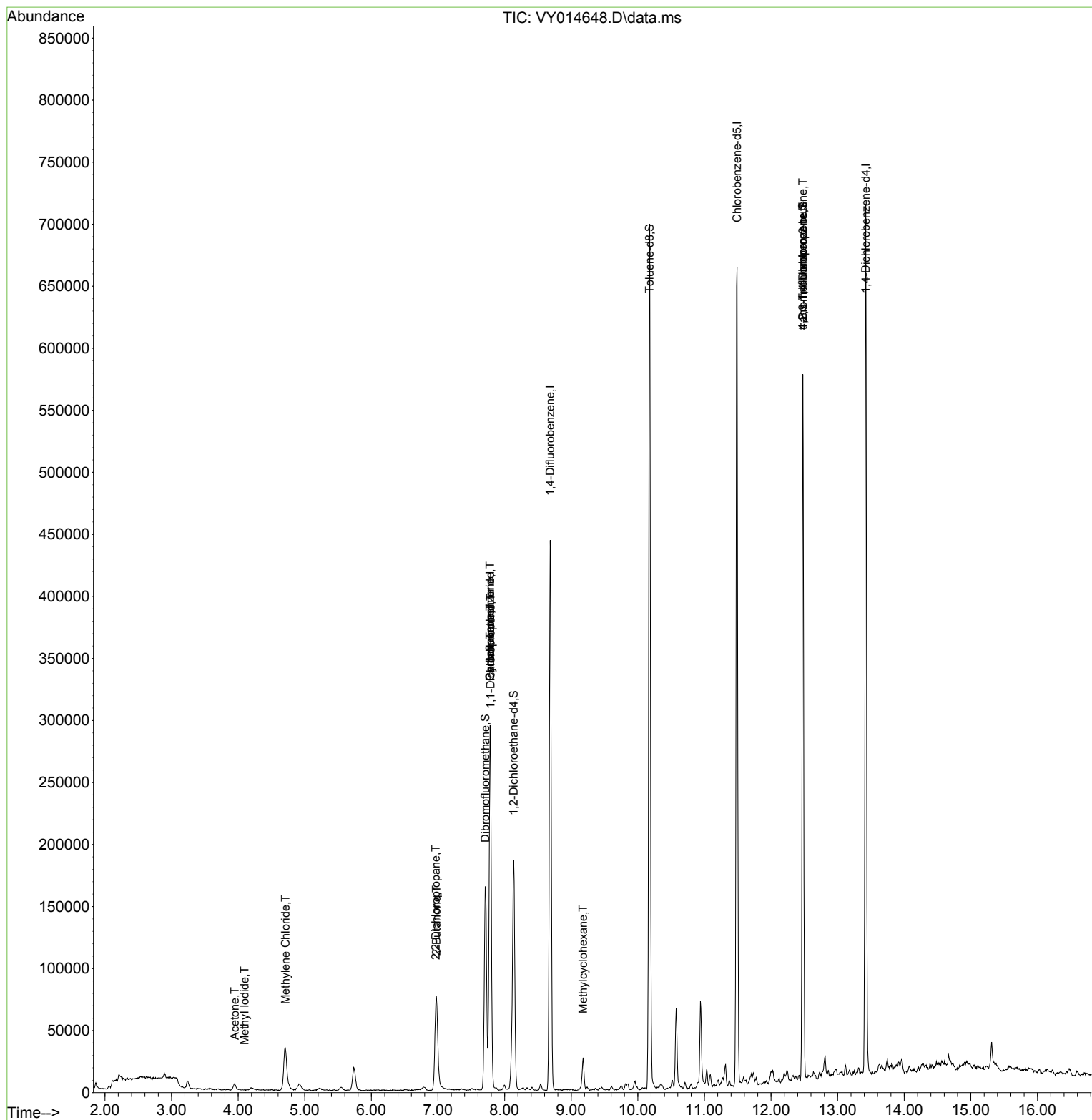
Internal Standards						
1) Pentafluorobenzene	7.783	168	224239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	386231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	361619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	173763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135743	53.122	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.240%	
35) Dibromofluoromethane	7.710	113	120981	49.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.420%	
50) Toluene-d8	10.179	98	456440	50.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.477	95	172119	49.521	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.040%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	126	2.417	ug/l #	38
11) Tert butyl alcohol	4.917	59	5758	Below Cal	#	94
16) Acetone	3.948	43	7935	9.799	ug/l	90
20) Methylene Chloride	4.710	84	25896	6.140	ug/l	95
25) 2-Butanone	6.978	43	4783	4.038	ug/l #	82
26) 2,2-Dichloropropane	6.966	77	6143	1.413	ug/l #	54
31) Cyclohexane	7.783	56	8376	1.975	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	17137	4.661	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22610	5.817	ug/l #	16
39) Methylcyclohexane	9.179	83	10284	2.147	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	89092	40.596	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	89092	78.602	ug/l #	11

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

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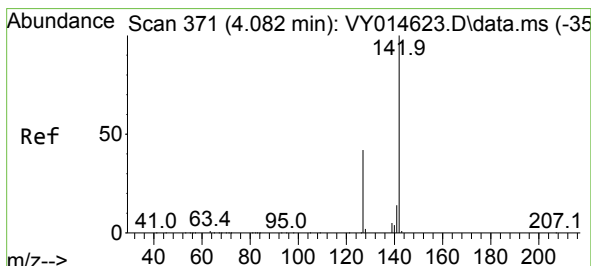
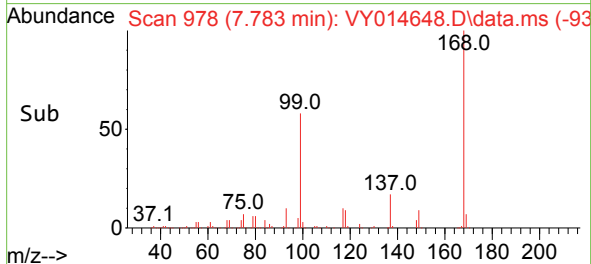
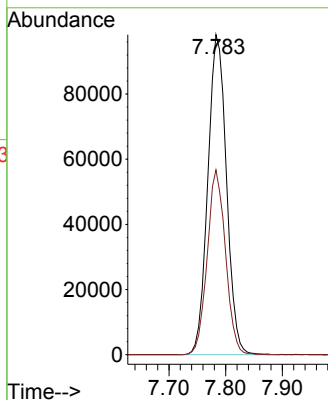
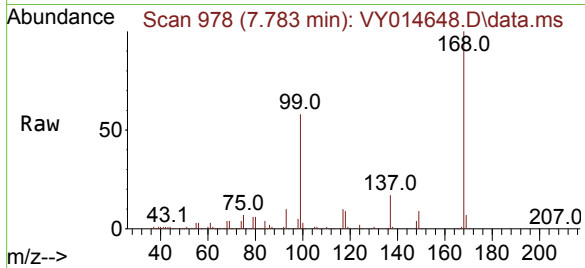




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

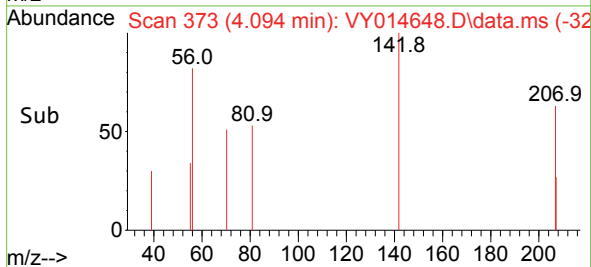
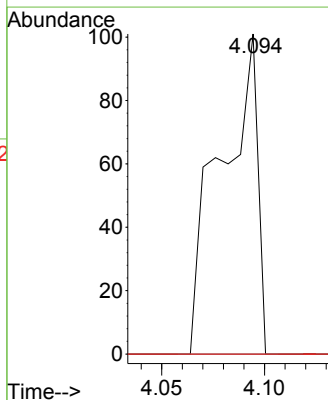
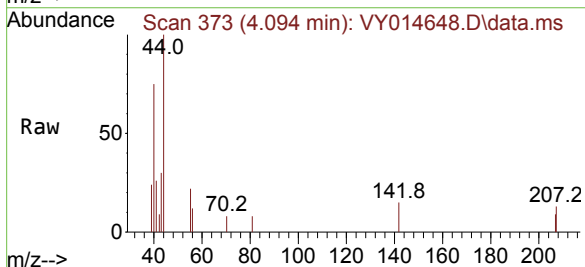
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-071323

Tgt Ion:168 Resp: 224239
Ion Ratio Lower Upper
168 100
99 57.7 43.4 65.0



#10
Methyl Iodide
Concen: 2.417 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 9.799 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014648.D

Acq: 14 Jul 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

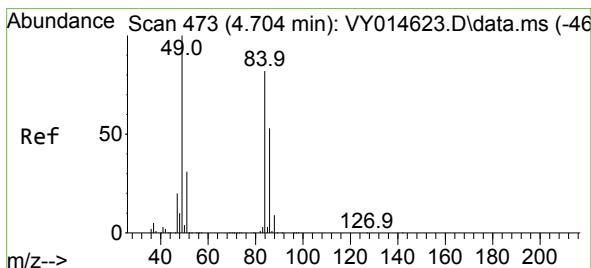
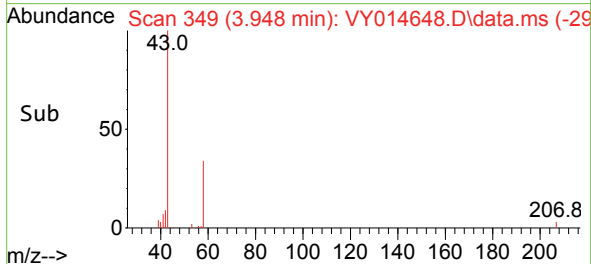
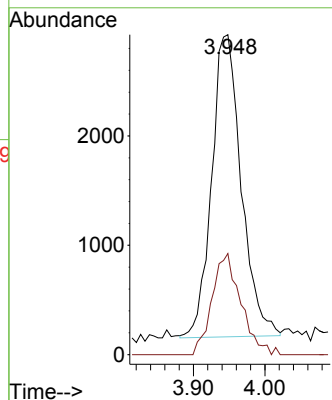
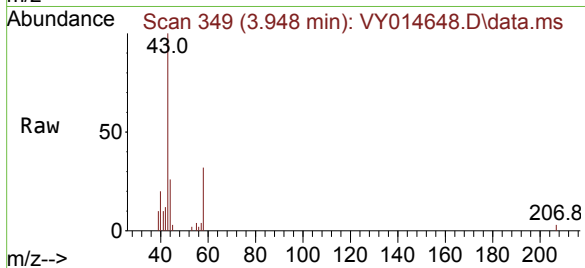
OR-03-071323

Tgt Ion: 43 Resp: 7935

Ion Ratio Lower Upper

43 100

58 33.6 22.7 34.1



#20

Methylene Chloride

Concen: 6.140 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014648.D

Acq: 14 Jul 2023 15:27

Tgt Ion: 84 Resp: 25896

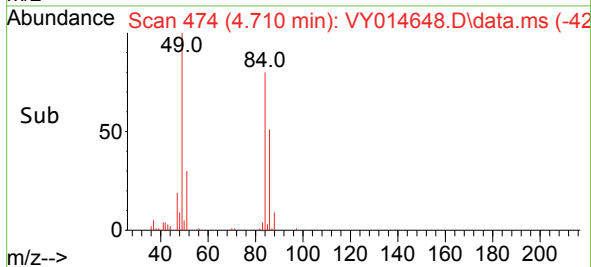
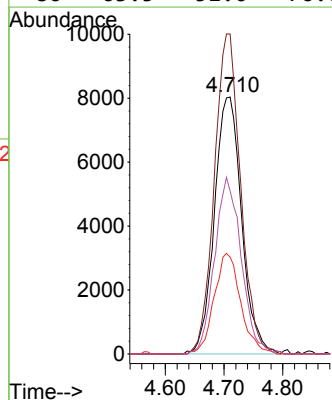
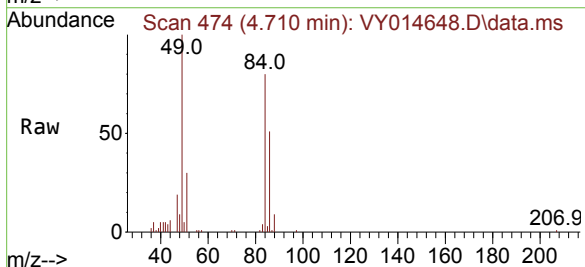
Ion Ratio Lower Upper

84 100

49 124.5 106.9 160.3

51 37.7 33.2 49.8

86 63.5 51.0 76.6

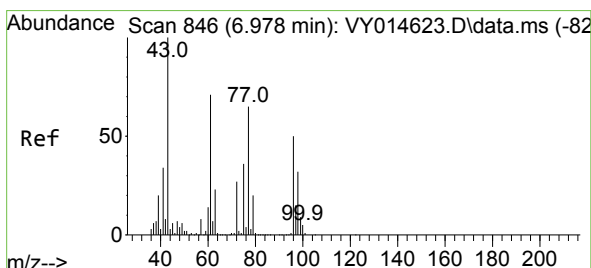
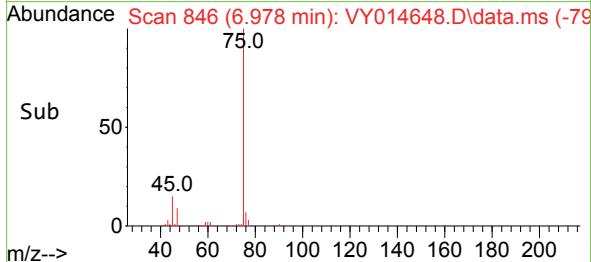
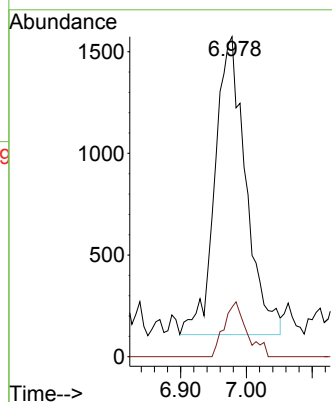
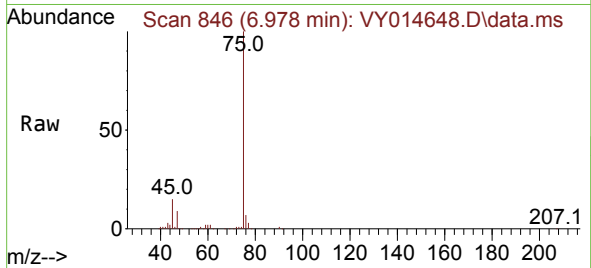




#25
2-Butanone
Concen: 4.038 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

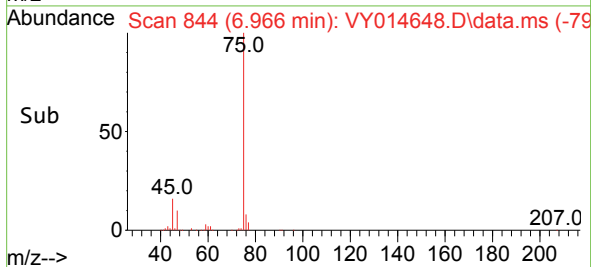
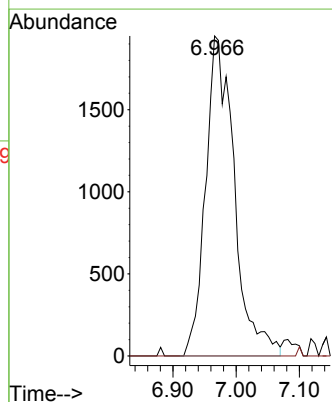
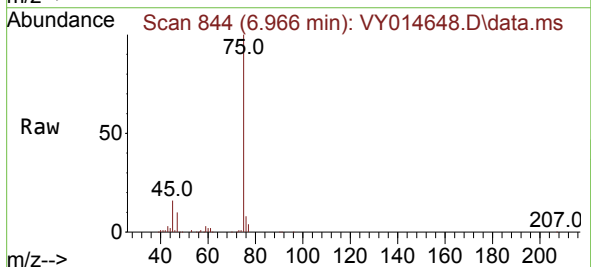
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-071323

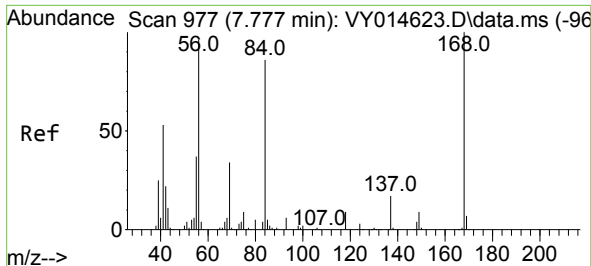
Tgt Ion: 43 Resp: 4783
Ion Ratio Lower Upper
43 100
72 16.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.413 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion: 77 Resp: 6143
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

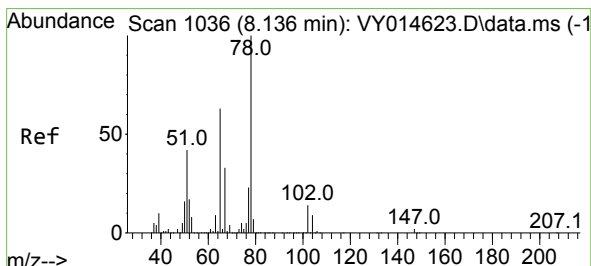
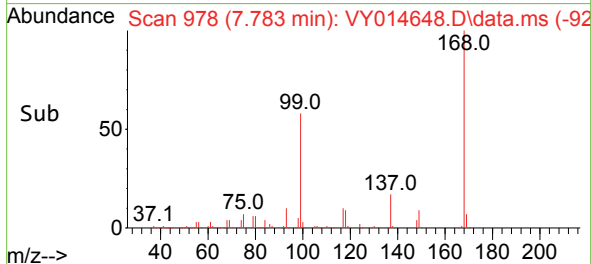
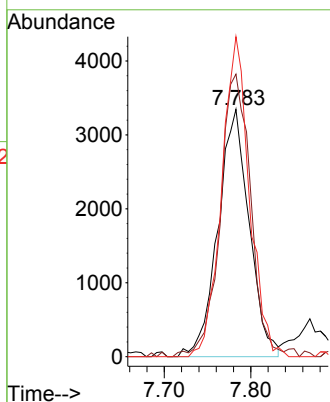
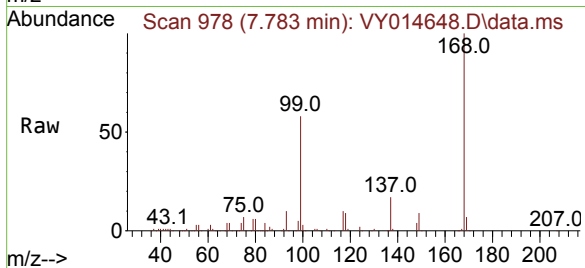




#31
Cyclohexane
Concen: 1.975 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

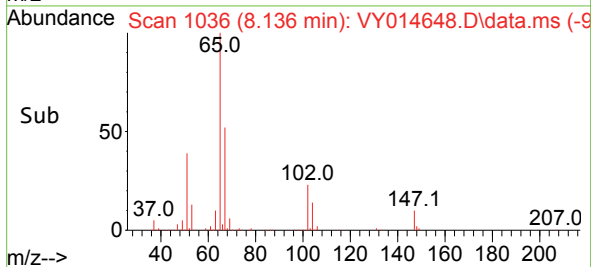
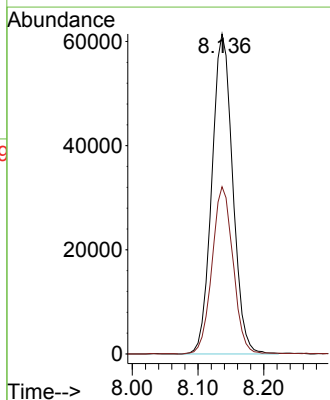
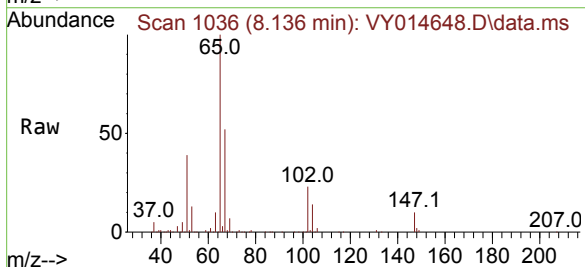
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-071323

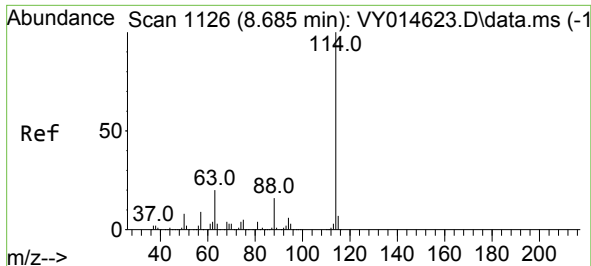
Tgt Ion: 56 Resp: 8376
Ion Ratio Lower Upper
56 100
69 112.5 27.8 41.6#
84 129.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.122 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion: 65 Resp: 135743
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8

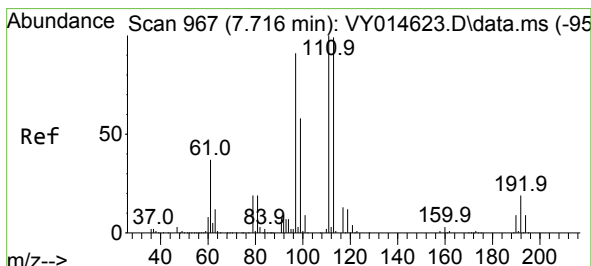
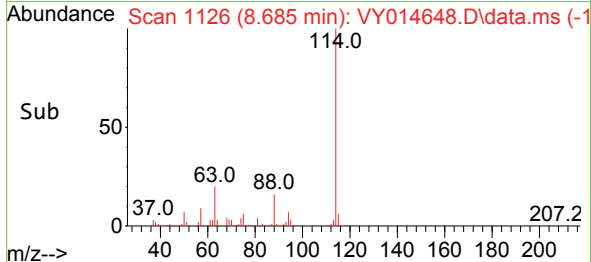
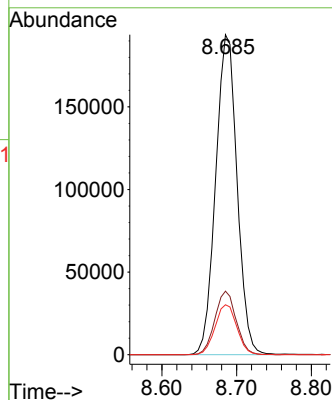
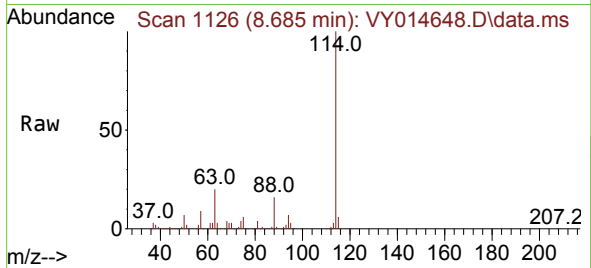




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

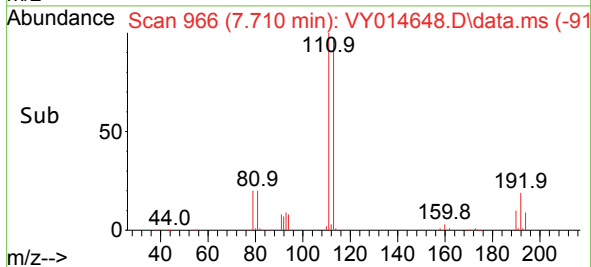
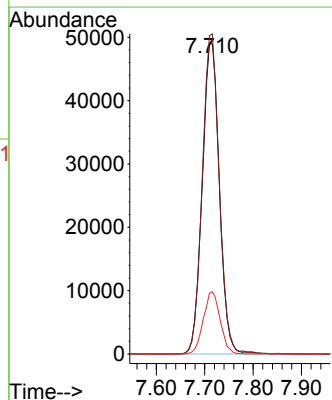
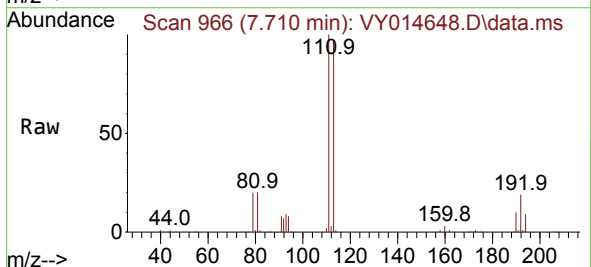
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-071323

Tgt Ion:114 Resp: 386231
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.206 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion:113 Resp: 120981
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.6 16.9 25.3

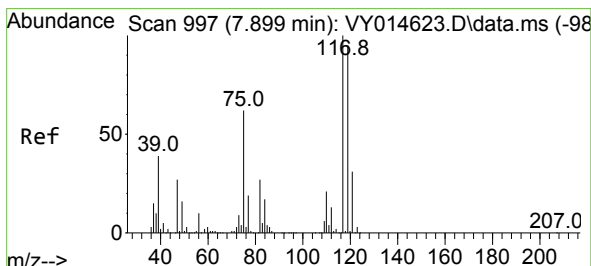
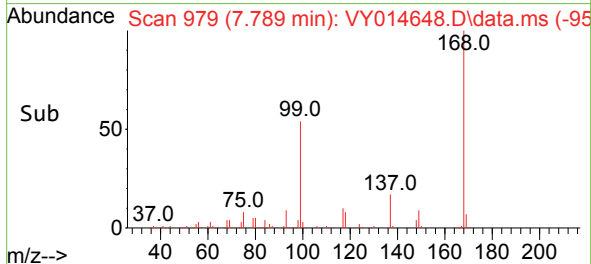
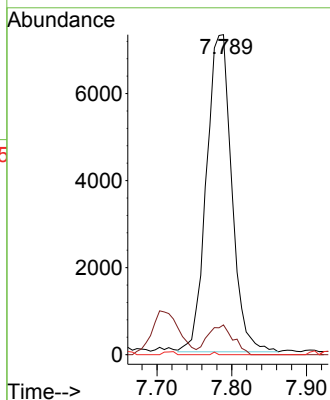
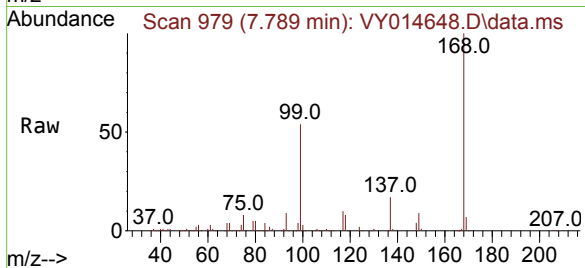




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

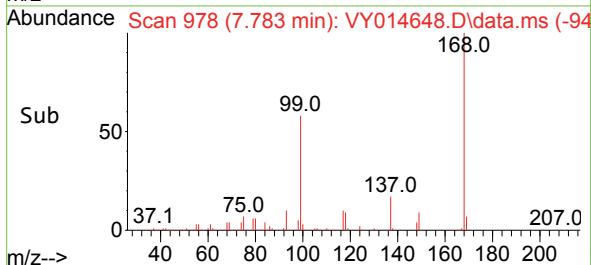
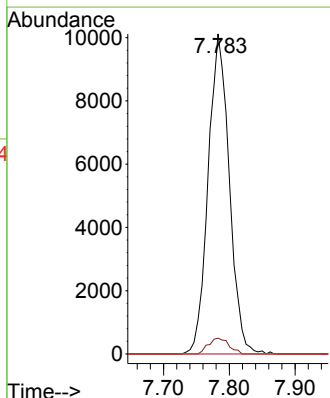
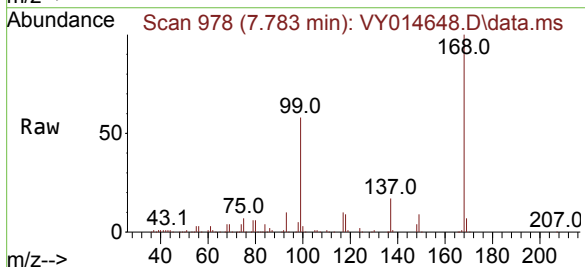
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MSVOA_Y
ClientSampleId :
OR-03-071323

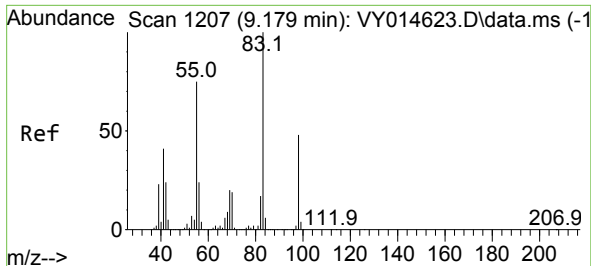
Tgt Ion: 75 Resp: 17137
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.1 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion: 117 Resp: 22610
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 2.147 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014648.D

Acq: 14 Jul 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-071323

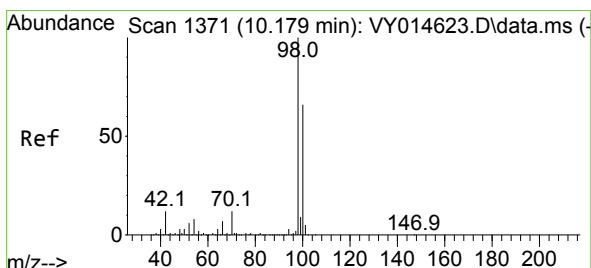
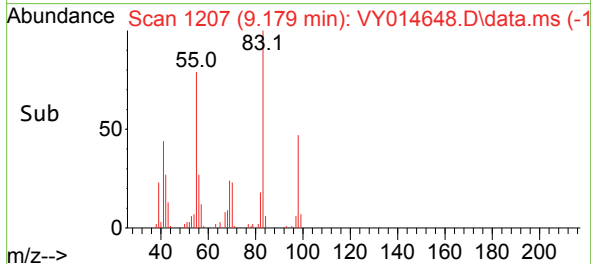
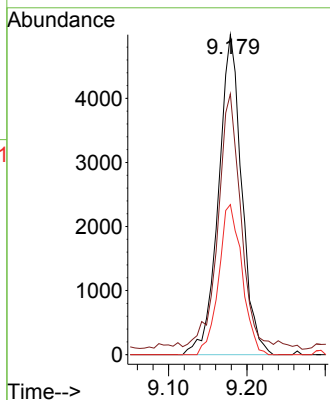
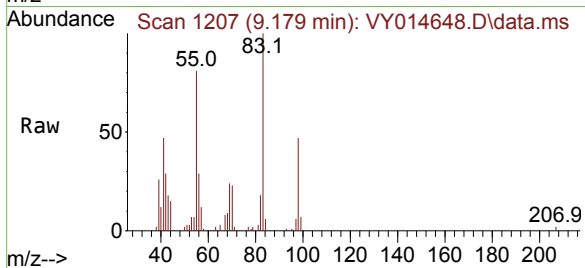
Tgt Ion: 83 Resp: 10284

Ion Ratio Lower Upper

83 100

55 77.8 63.0 94.4

98 46.9 37.4 56.2



#50

Toluene-d8

Concen: 50.355 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014648.D

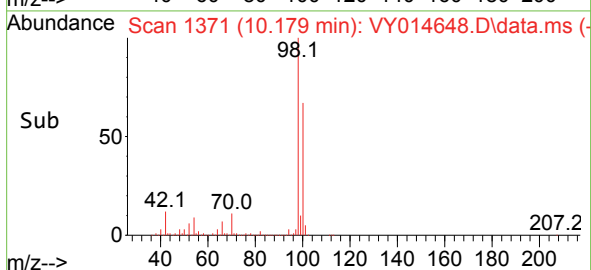
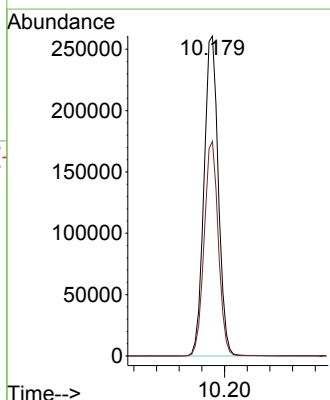
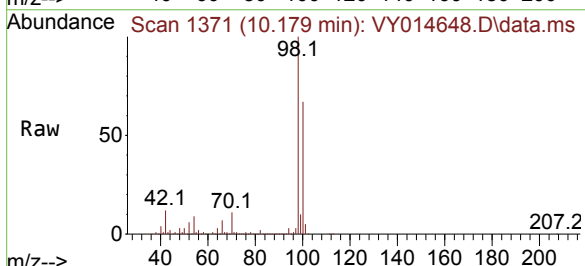
Acq: 14 Jul 2023 15:27

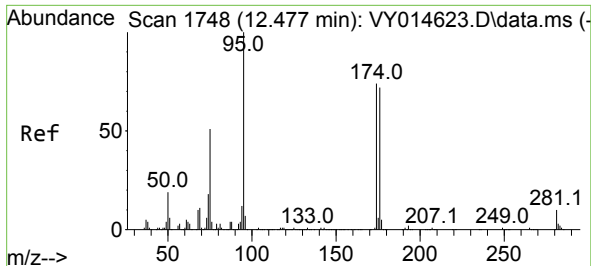
Tgt Ion: 98 Resp: 456440

Ion Ratio Lower Upper

98 100

100 66.3 50.1 75.1

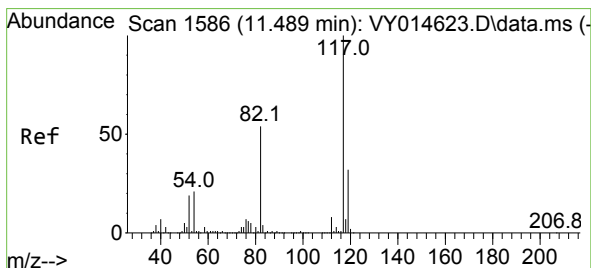
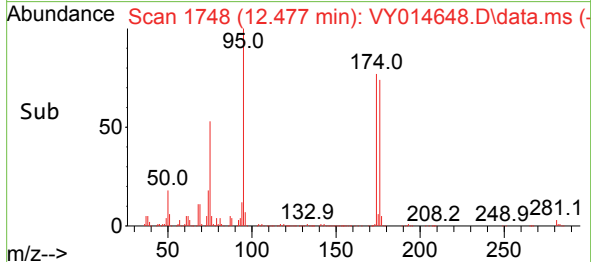
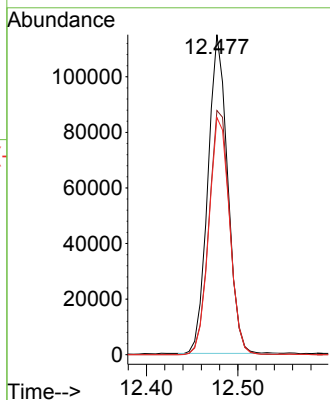
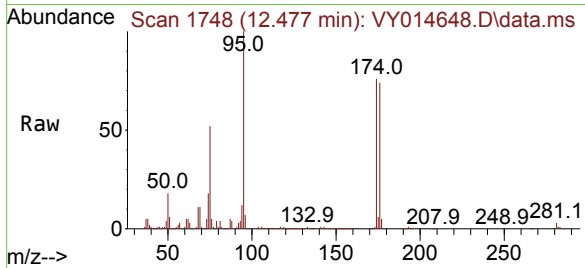




#62
4-Bromofluorobenzene
Concen: 49.521 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

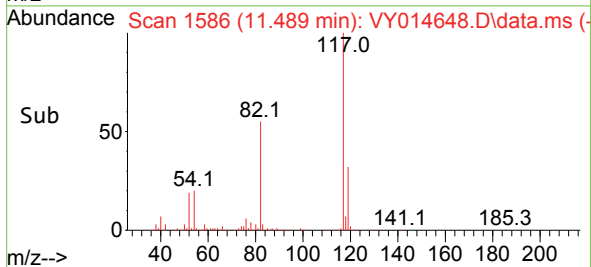
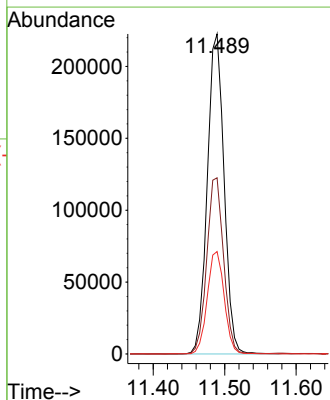
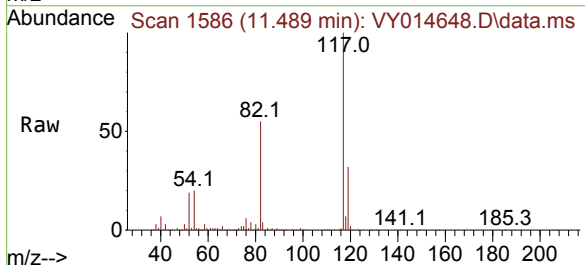
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-071323

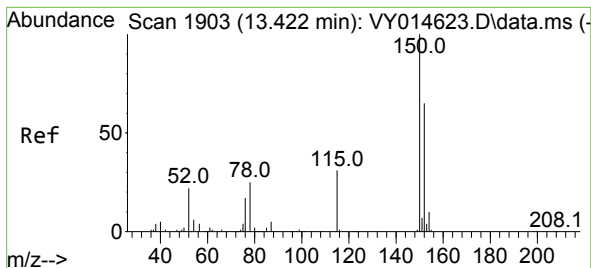
Tgt Ion: 95 Resp: 172119
Ion Ratio Lower Upper
95 100
174 80.4 0.0 178.2
176 78.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014648.D
Acq: 14 Jul 2023 15:27

Tgt Ion: 117 Resp: 361619
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 31.9 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: VY014648.D

Acq: 14 Jul 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-071323

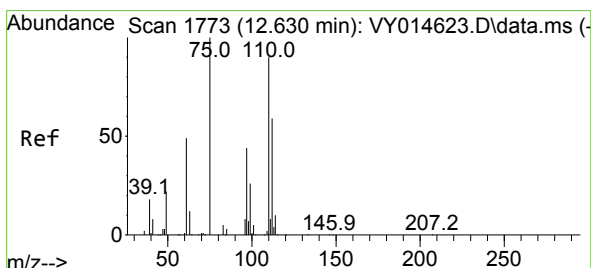
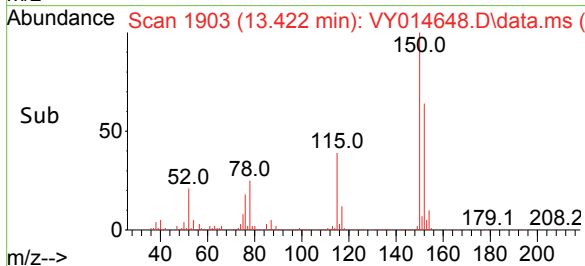
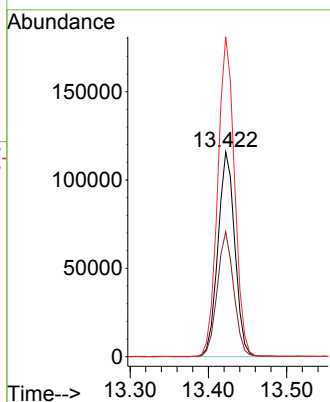
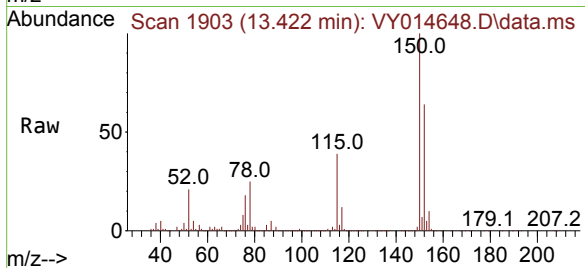
Tgt Ion:152 Resp: 173763

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 156.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.596 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014648.D

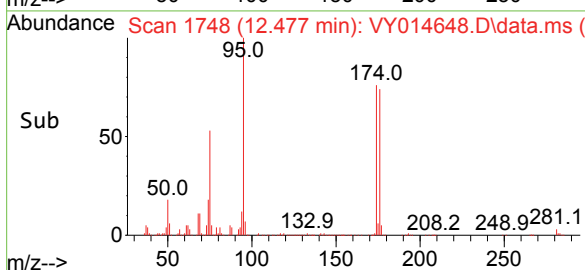
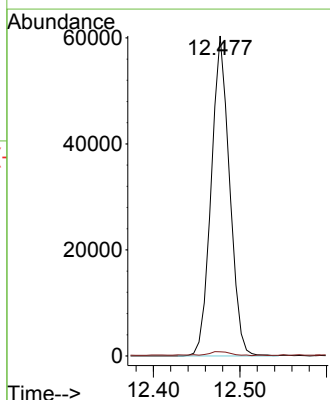
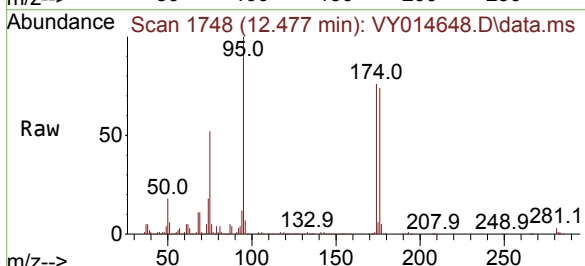
Acq: 14 Jul 2023 15:27

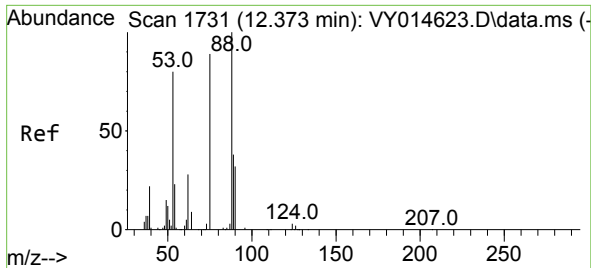
Tgt Ion: 75 Resp: 89092

Ion Ratio Lower Upper

75 100

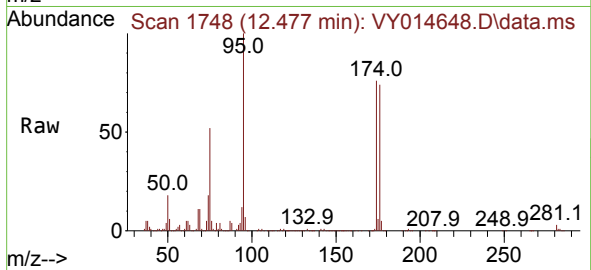
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.602 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014648.D
 Acq: 14 Jul 2023 15:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-071323



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

