

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014743.D
 Acq On : 21 Jul 2023 13:45
 Operator : SY/MD
 Sample : 03681-11
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-4-GRAB-7

Quant Time: Jul 22 05:36:17 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)

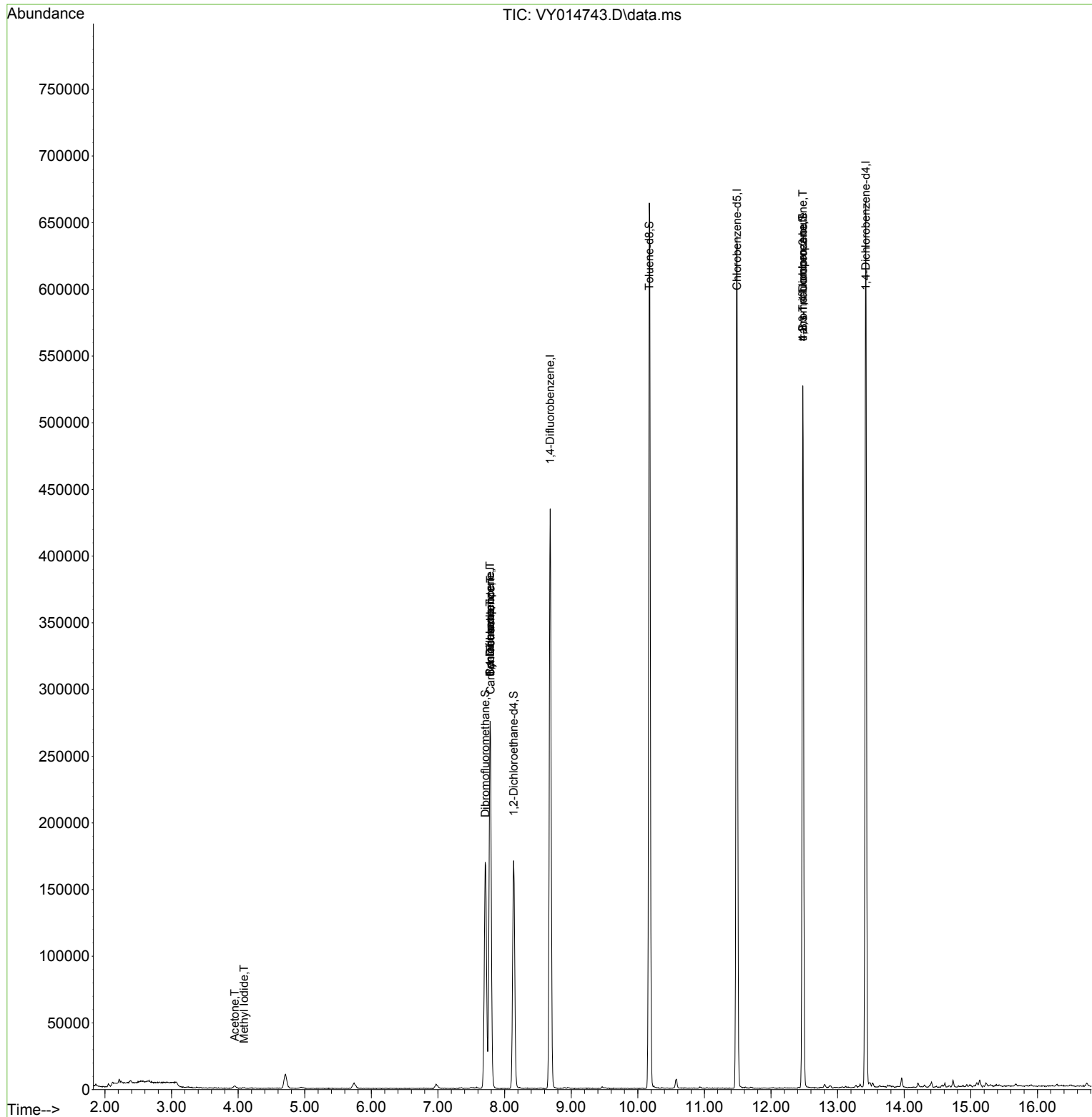
Internal Standards						
1) Pentafluorobenzene	7.783	168	215538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136097	55.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.820%	
35) Dibromofluoromethane	7.710	113	121734	50.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.640%	
50) Toluene-d8	10.173	98	444065	50.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.477	95	166340	49.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.240%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	573	2.596	ug/l #	74
11) Tert butyl alcohol	4.960	59	1409	Below Cal	#	89
16) Acetone	3.948	43	3158	4.057	ug/l #	80
20) Methylene Chloride	4.710	84	7514	Below Cal		86
31) Cyclohexane	7.783	56	4421	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16331	4.559	ug/l #	51
38) Carbon Tetrachloride	7.789	117	22025	5.817	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	86089	40.655	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86089	78.715	ug/l #	10

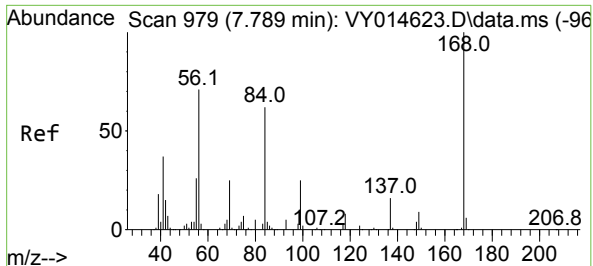
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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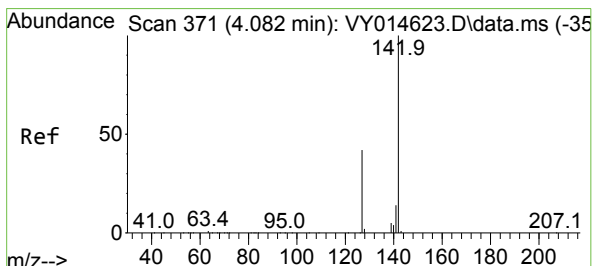
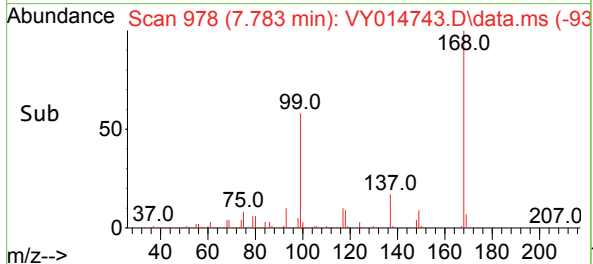
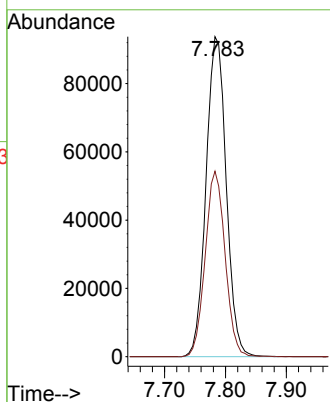
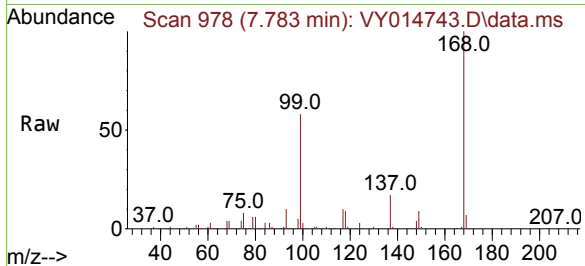




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

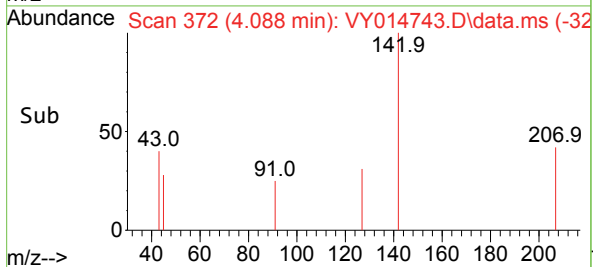
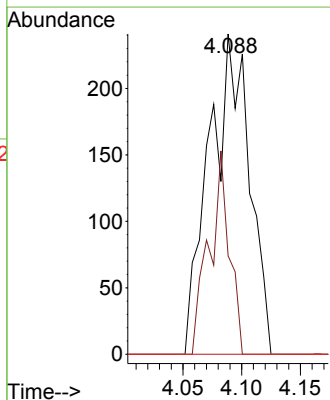
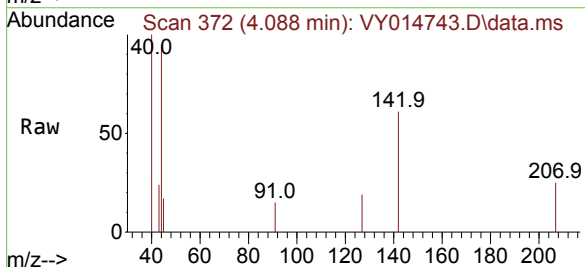
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

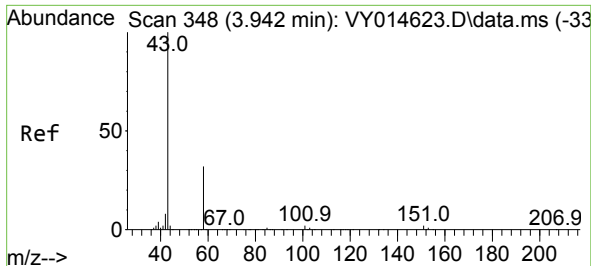
Tgt Ion:168 Resp: 215538
Ion Ratio Lower Upper
168 100
99 57.9 43.4 65.0



#10
Methyl Iodide
Concen: 2.596 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion:142 Resp: 573
Ion Ratio Lower Upper
142 100
127 31.9 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 4.057 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY014743.D

Acq: 21 Jul 2023 13:45

Instrument :

MSVOA_Y

ClientSampleId :

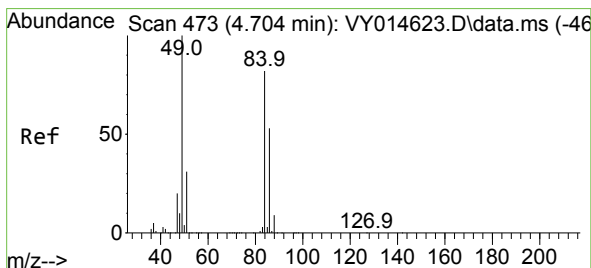
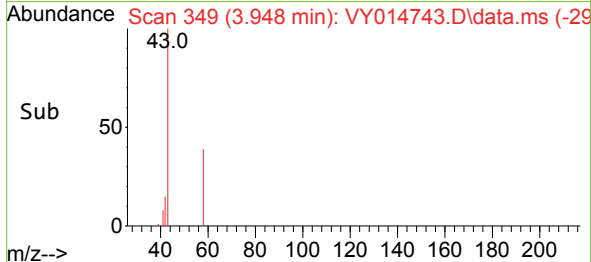
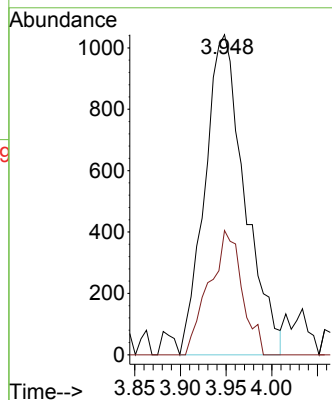
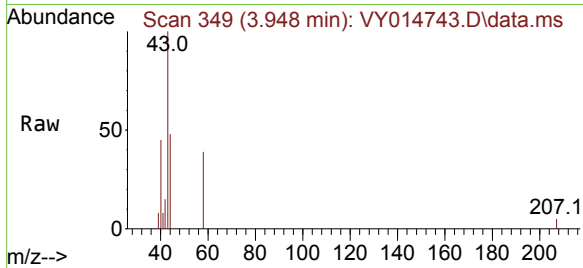
RPTP-4-GRAB-7

Tgt Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

58 38.8 22.7 34.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014743.D

Acq: 21 Jul 2023 13:45

Tgt Ion: 84 Resp: 7514

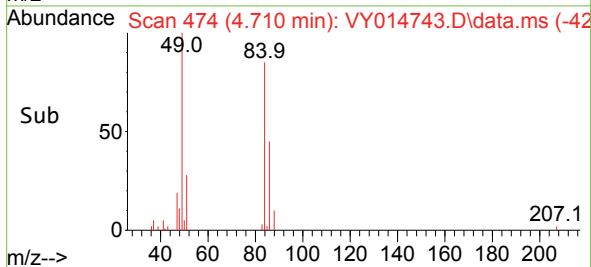
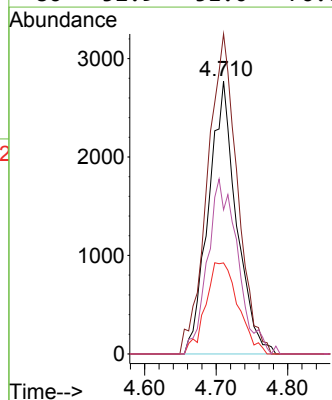
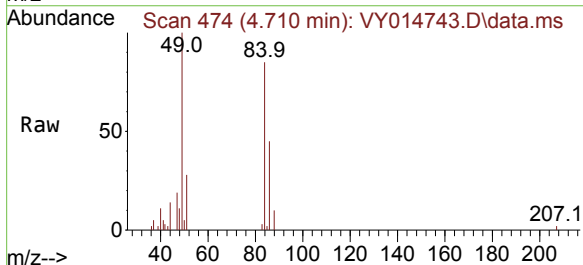
Ion Ratio Lower Upper

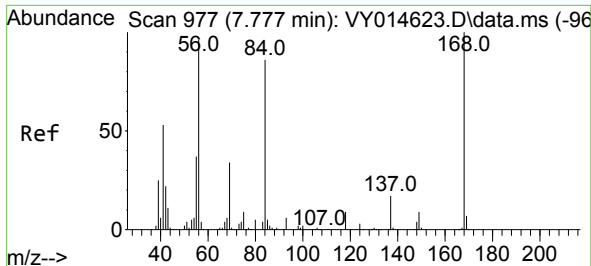
84 100

49 117.3 106.9 160.3

51 33.4 33.2 49.8

86 52.9 51.0 76.6

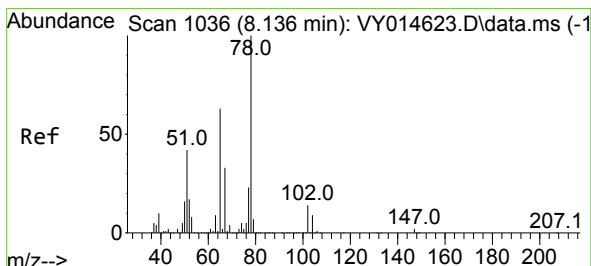
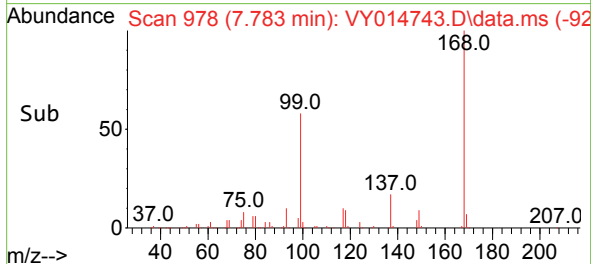
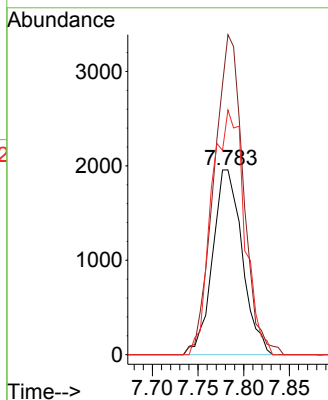
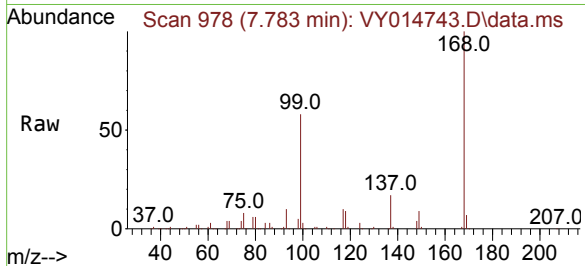




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

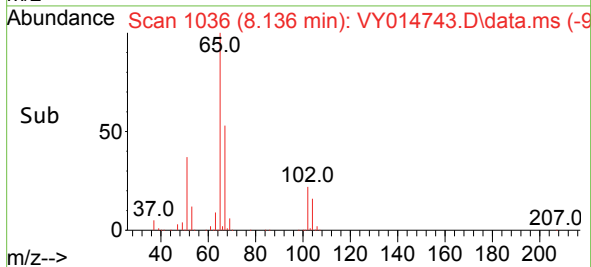
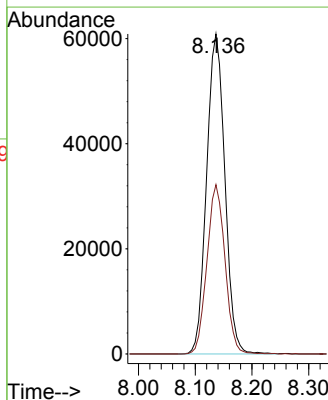
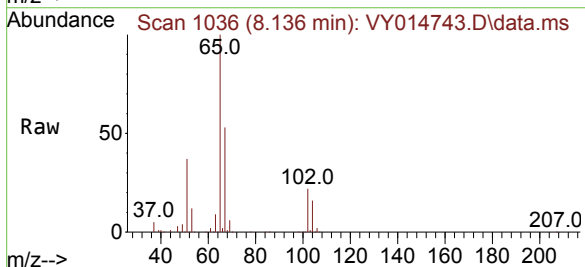
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

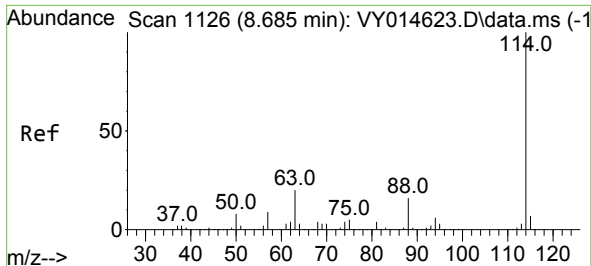
Tgt Ion: 56 Resp: 4421
Ion Ratio Lower Upper
56 100
69 173.1 27.8 41.6#
84 132.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.411 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion: 65 Resp: 136097
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8

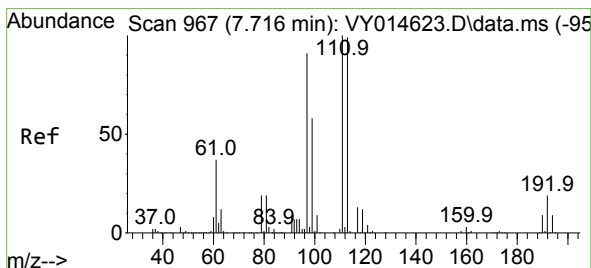
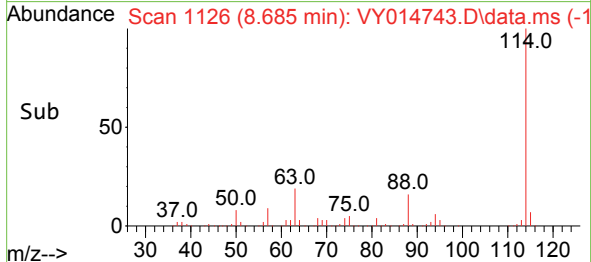
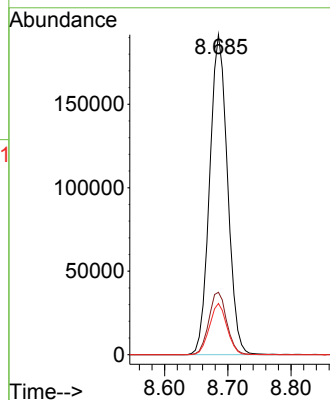
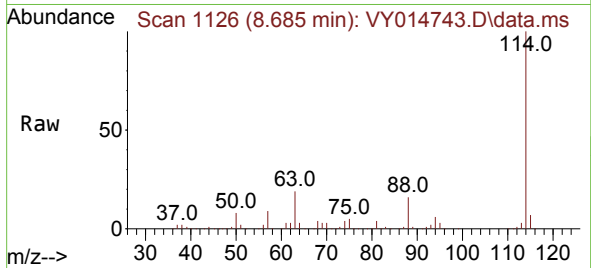




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

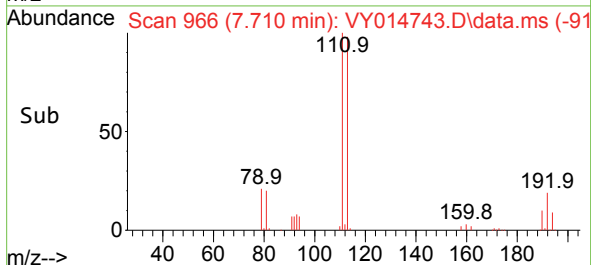
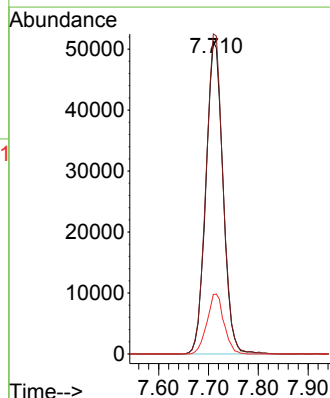
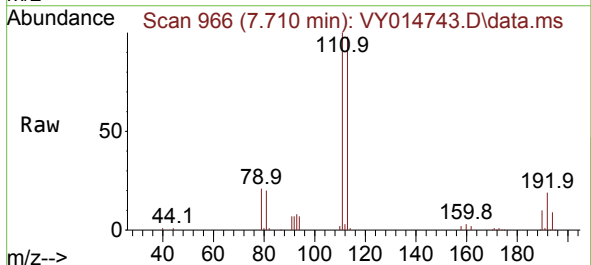
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

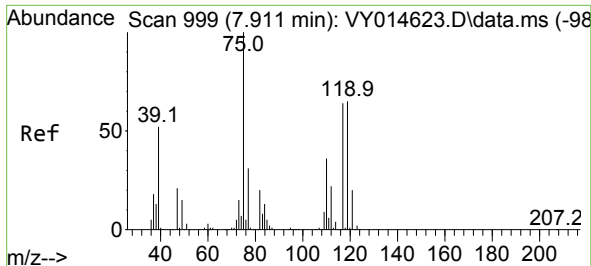
Tgt Ion:114 Resp: 376281
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.822 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion:113 Resp: 121734
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 19.1 16.9 25.3

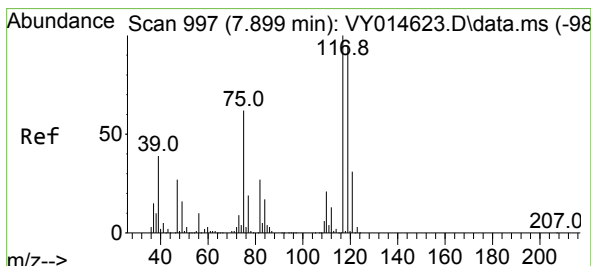
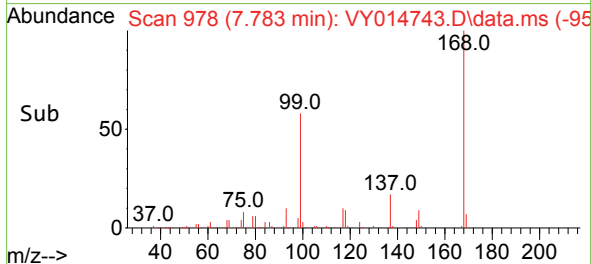
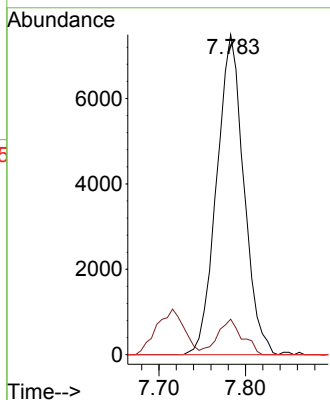
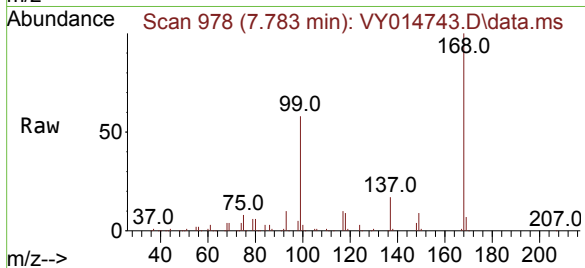




#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

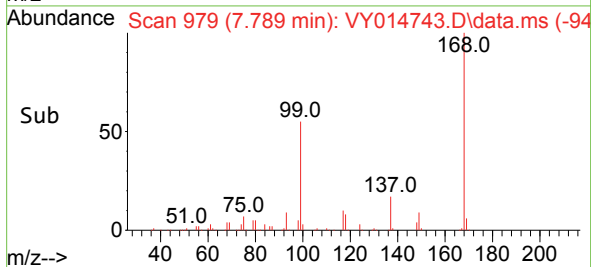
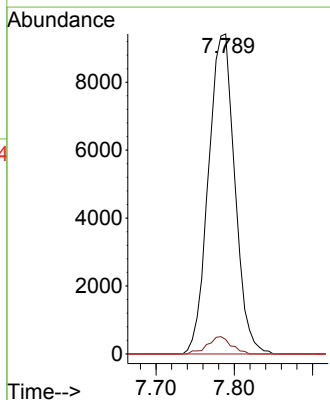
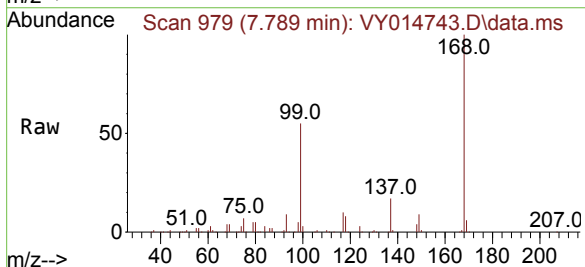
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

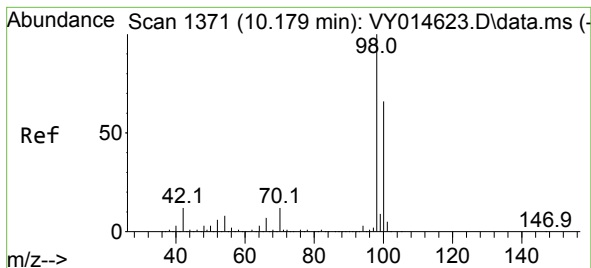
Tgt Ion: 75 Resp: 16331
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion: 117 Resp: 22025
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.285 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014743.D

Acq: 21 Jul 2023 13:45

Instrument :

MSVOA_Y

ClientSampleId :

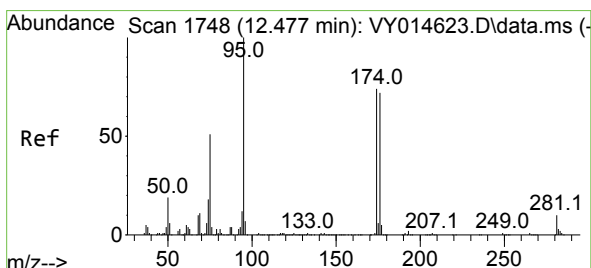
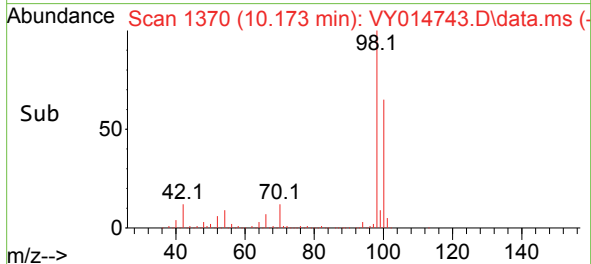
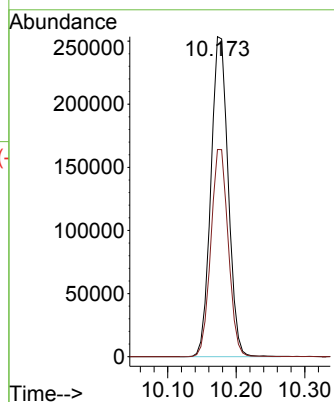
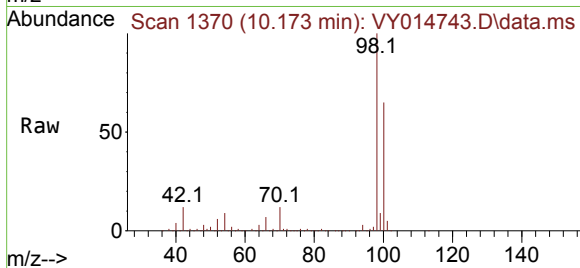
RPTP-4-GRAB-7

Tgt Ion: 98 Resp: 444065

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.124 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014743.D

Acq: 21 Jul 2023 13:45

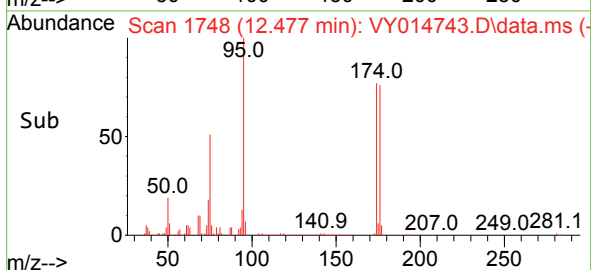
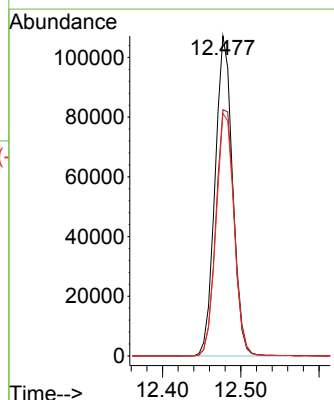
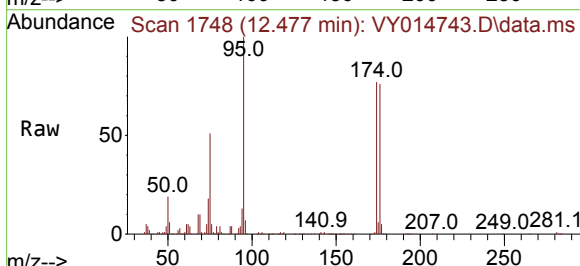
Tgt Ion: 95 Resp: 166340

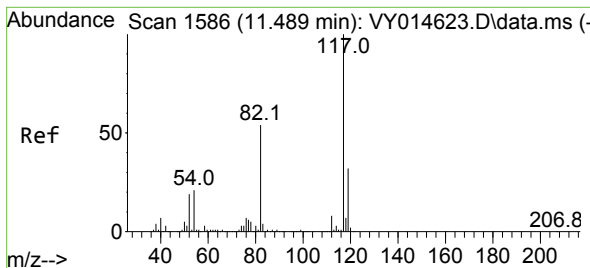
Ion Ratio Lower Upper

95 100

174 81.6 0.0 178.2

176 78.0 0.0 173.8

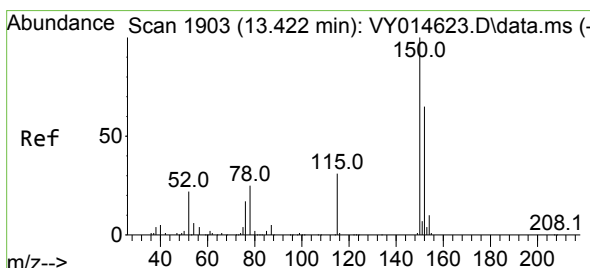
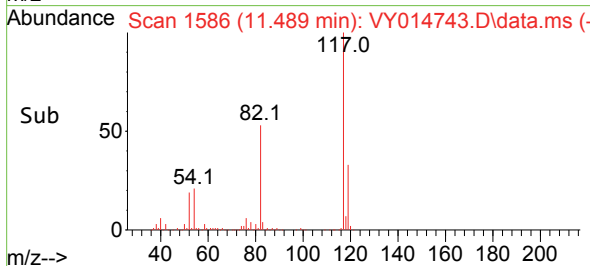
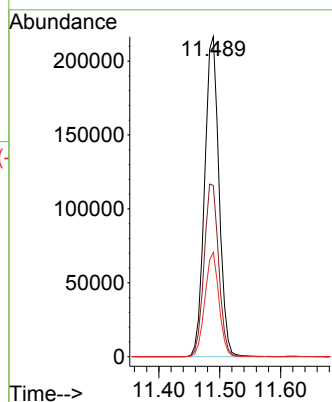
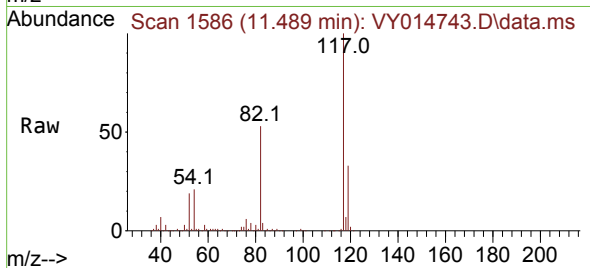




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

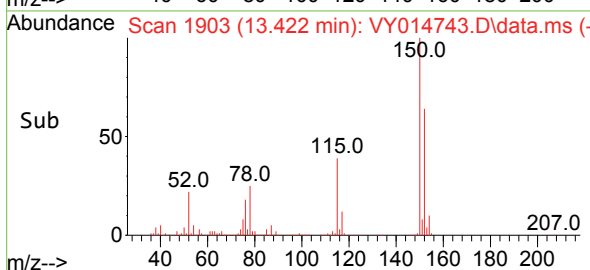
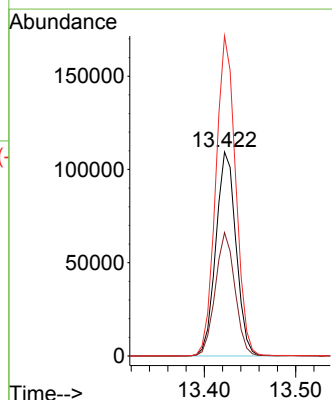
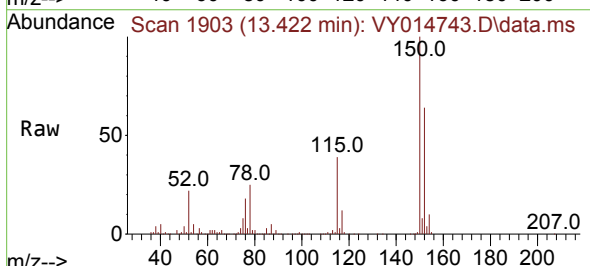
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

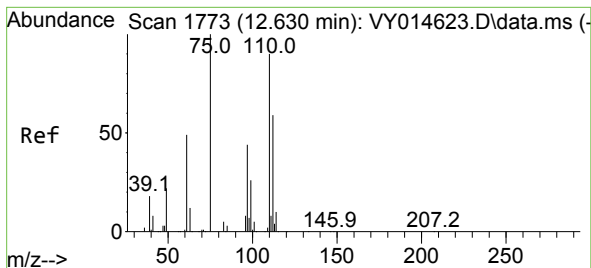
Tgt Ion:117 Resp: 355055
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion:152 Resp: 167664
Ion Ratio Lower Upper
152 100
115 58.9 28.8 86.5
150 155.0 0.0 348.8

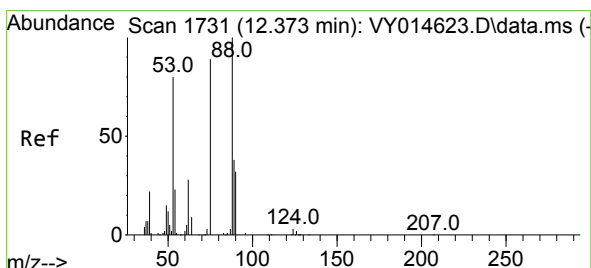
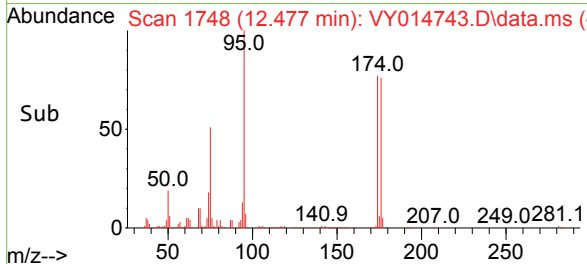
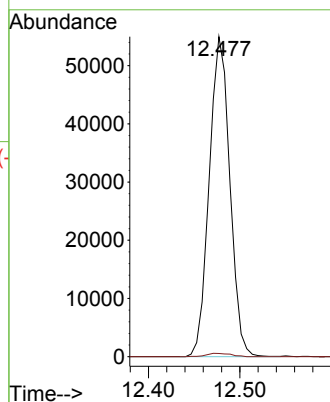
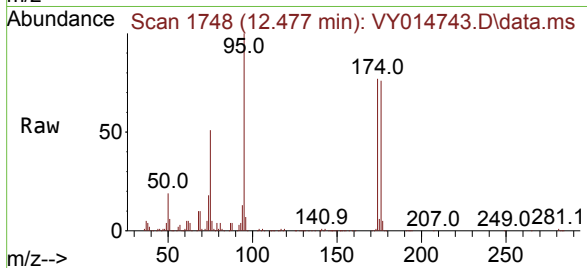




#76
1,2,3-Trichloropropane
Concen: 40.655 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-7

Tgt Ion: 75 Resp: 86089
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.715 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014743.D
Acq: 21 Jul 2023 13:45

Tgt Ion: 75 Resp: 86089
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

