

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014744.D
 Acq On : 21 Jul 2023 14:08
 Operator : SY/MD
 Sample : 03681-12
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-4-GRAB-8

Quant Time: Jul 22 05:36:39 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)

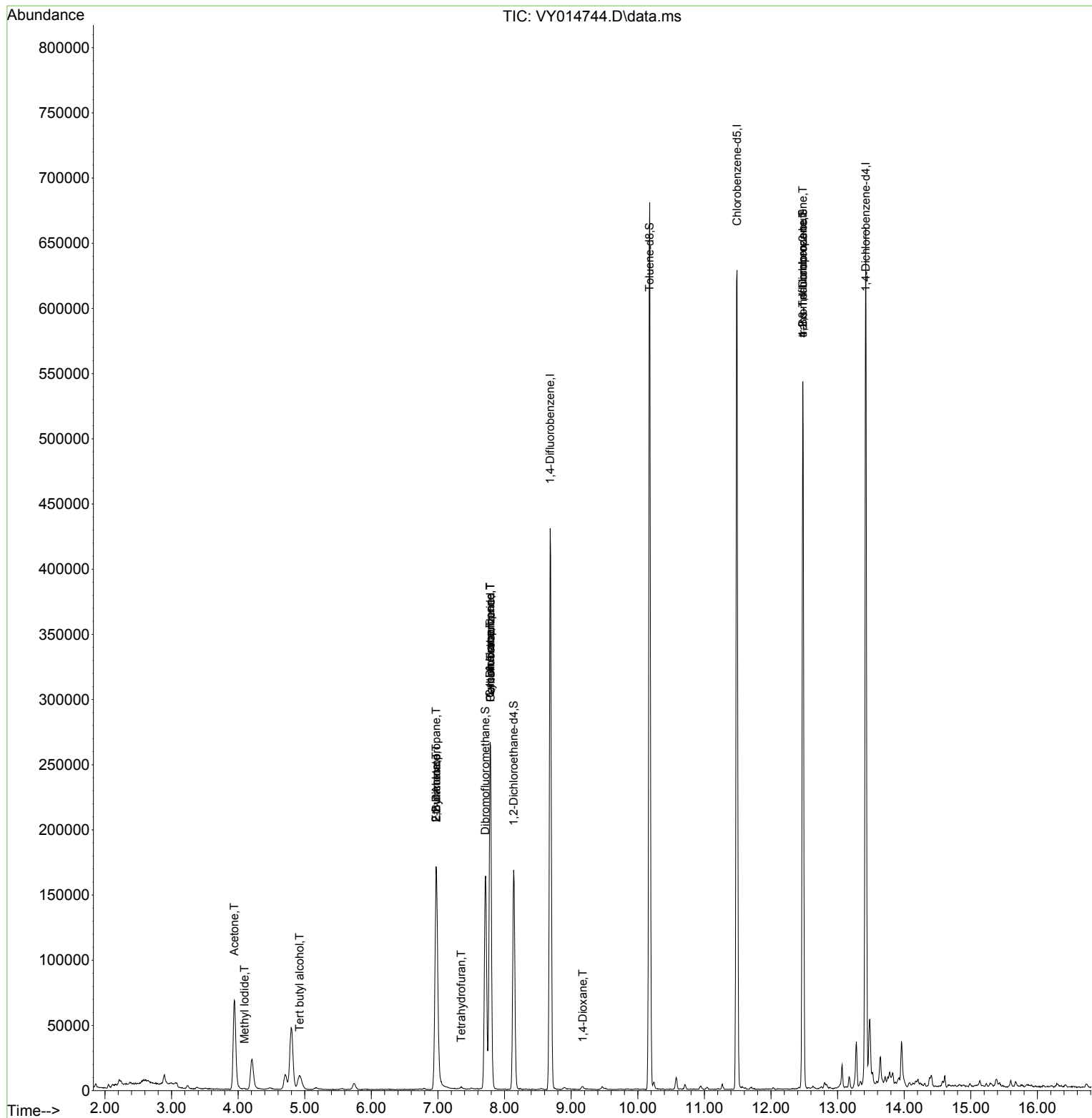
Internal Standards						
1) Pentafluorobenzene	7.789	168	214660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	349811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	132066	53.990	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.980%	
35) Dibromofluoromethane	7.710	113	117861	50.092	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.180%	
50) Toluene-d8	10.179	98	440168	50.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.477	95	166138	49.948	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.900%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.095	142	806	2.690	ug/l #	82
11) Tert butyl alcohol	4.924	59	15299	18.201	ug/l	98
16) Acetone	3.942	43	122899	158.549	ug/l	94
20) Methylene Chloride	4.704	84	8638	Below Cal	#	76
25) 2-Butanone	6.972	43	10843	9.561	ug/l #	80
26) 2,2-Dichloropropane	6.972	77	12429	2.987	ug/l #	54
29) Tetrahydrofuran	7.350	42	928	1.329	ug/l	96
31) Cyclohexane	7.783	56	4246	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16356	4.648	ug/l #	50
37) Ethyl Acetate	6.972	43	10843	4.476	ug/l #	8
38) Carbon Tetrachloride	7.789	117	20975	5.639	ug/l #	16
49) 1,4-Dioxane	9.173	88	56	2.166	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	86698	41.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86698	81.310	ug/l #	11

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

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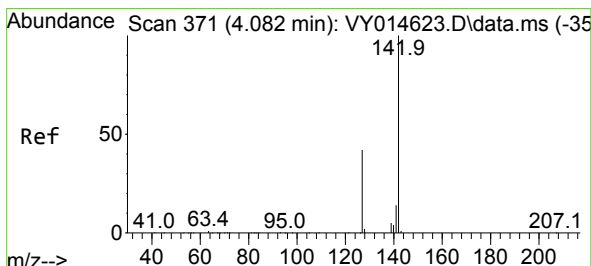
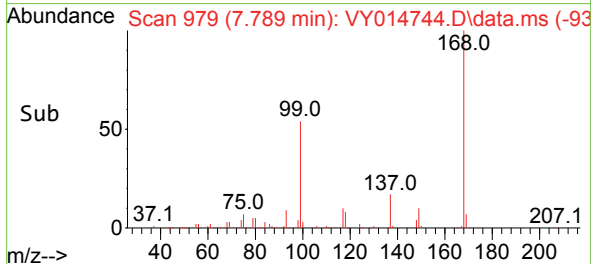
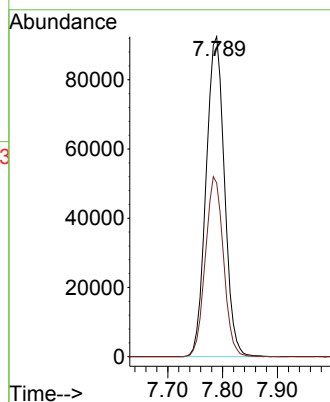
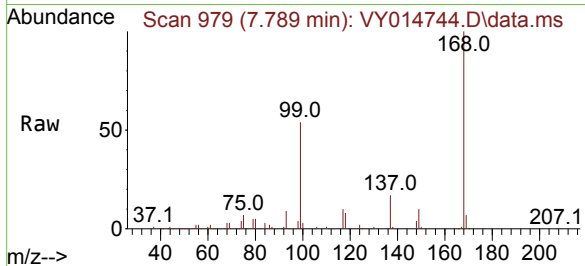




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

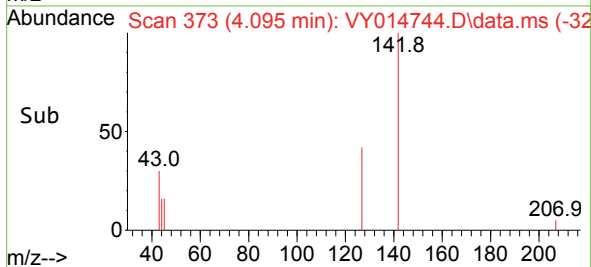
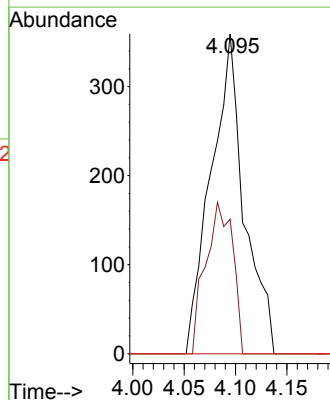
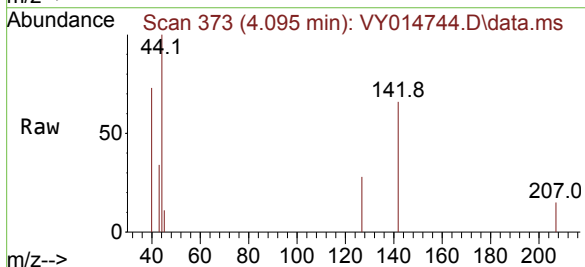
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-8

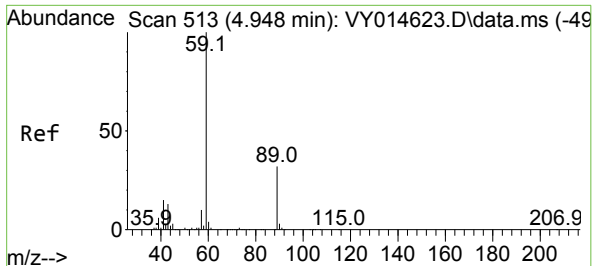
Tgt Ion:168 Resp: 214660
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.690 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.013 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion:142 Resp: 806
Ion Ratio Lower Upper
142 100
127 38.7 37.6 56.4
141 0.0 11.8 17.8#

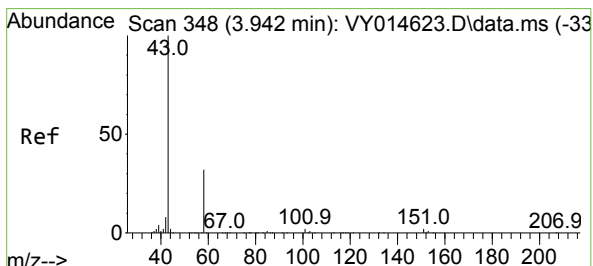
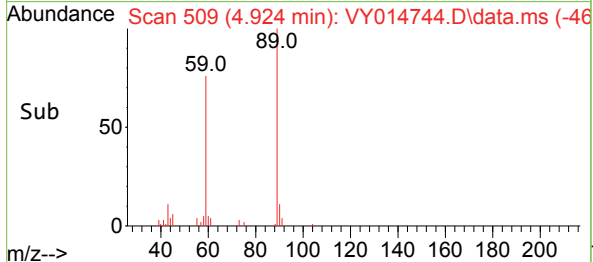
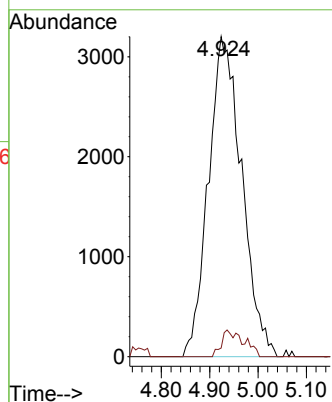
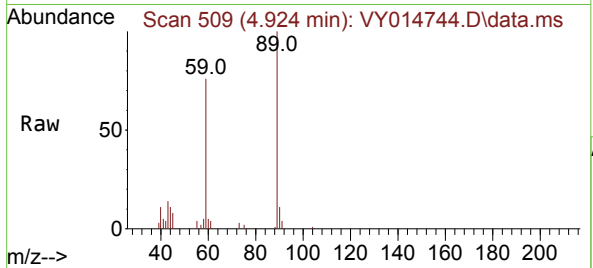




#11
Tert butyl alcohol
Concen: 18.201 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

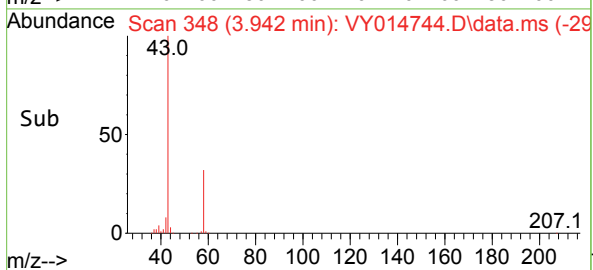
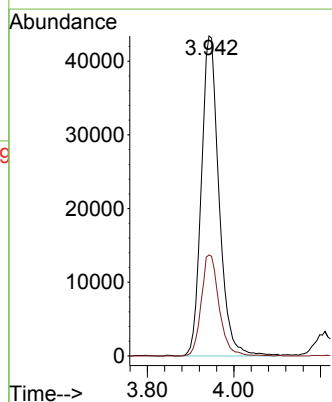
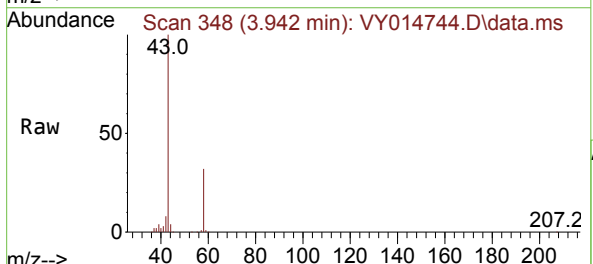
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-8

Tgt Ion: 59 Resp: 15299
Ion Ratio Lower Upper
59 100
57 4.4 3.0 4.4



#16
Acetone
Concen: 158.549 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion: 43 Resp: 122899
Ion Ratio Lower Upper
43 100
58 31.5 22.7 34.1

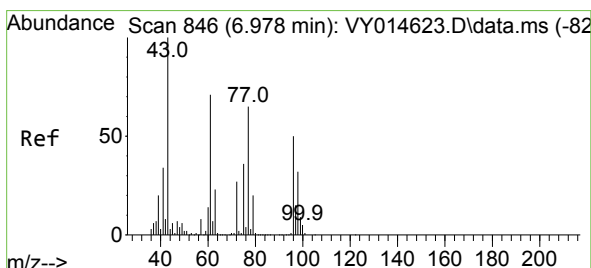
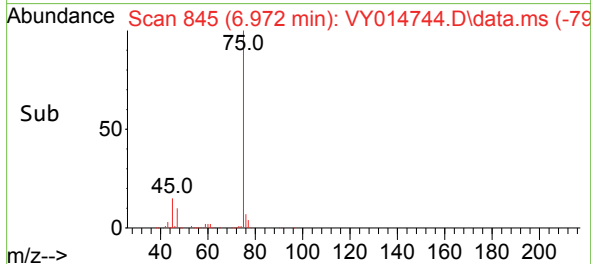
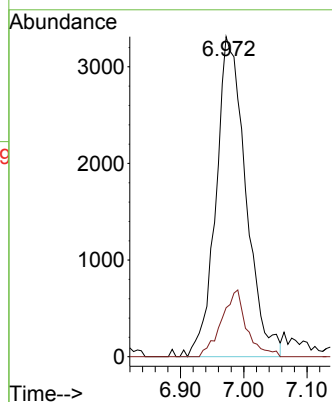
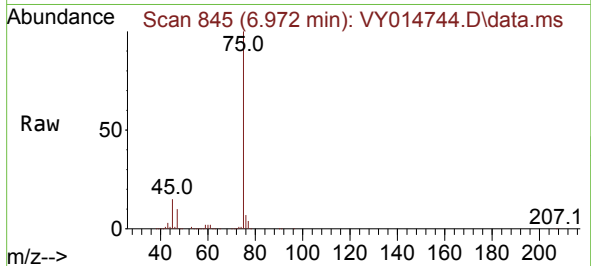




#25
2-Butanone
Concen: 9.561 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

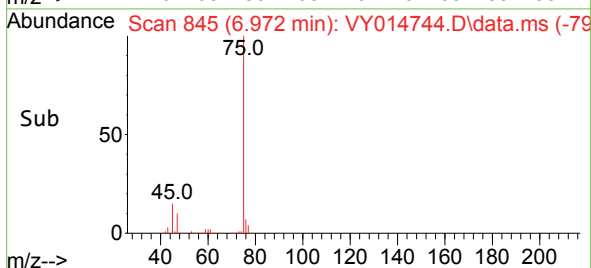
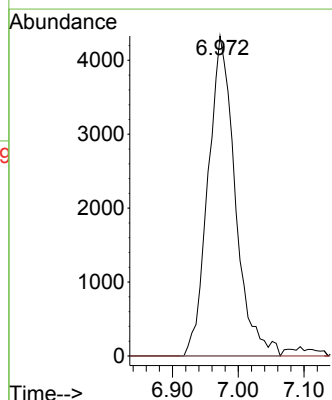
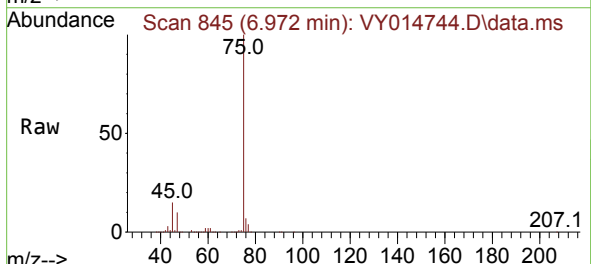
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-8

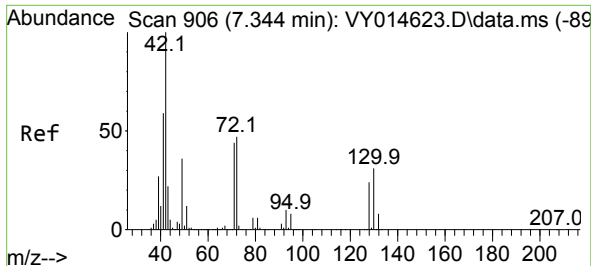
Tgt Ion: 43 Resp: 10843
Ion Ratio Lower Upper
43 100
72 15.3 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.987 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion: 77 Resp: 12429
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.329 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014744.D

Acq: 21 Jul 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-4-GRAB-8

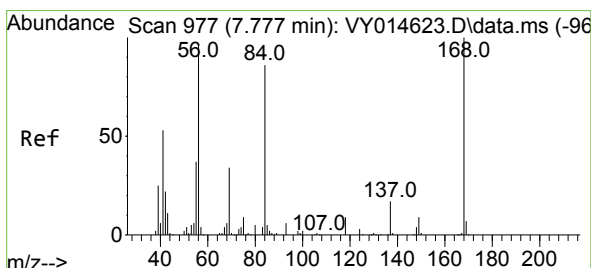
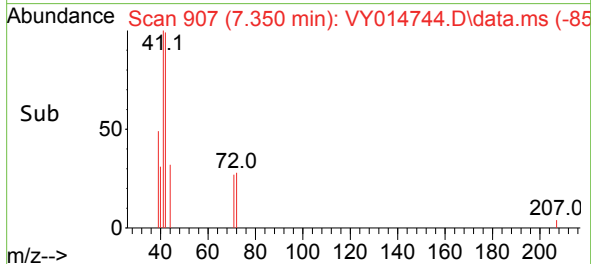
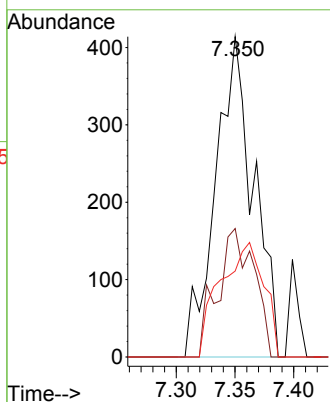
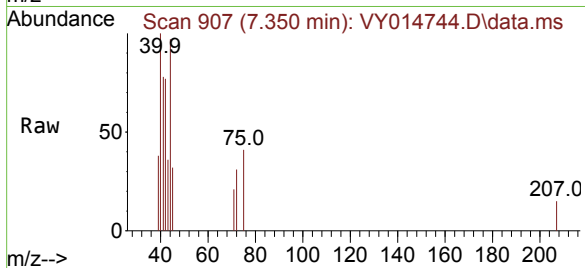
Tgt Ion: 42 Resp: 928

Ion Ratio Lower Upper

42 100

72 38.7 32.8 49.2

71 41.3 31.0 46.4



#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014744.D

Acq: 21 Jul 2023 14:08

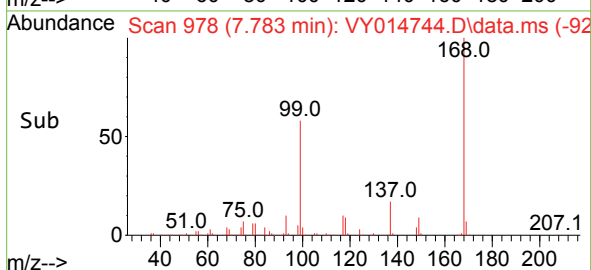
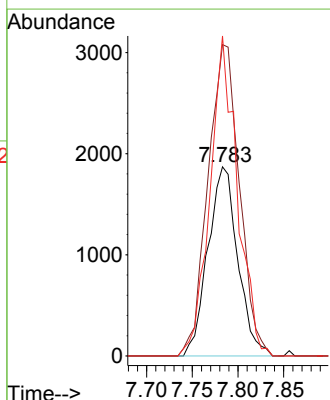
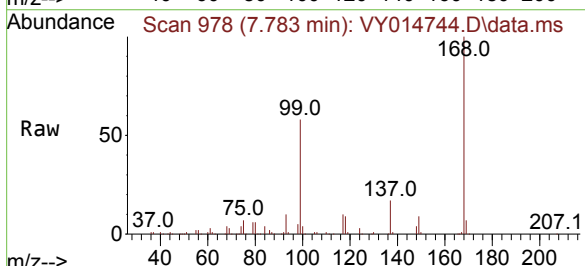
Tgt Ion: 56 Resp: 4246

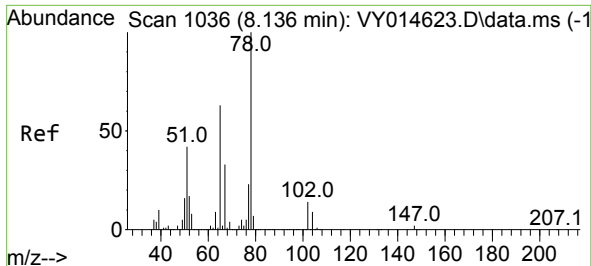
Ion Ratio Lower Upper

56 100

69 164.7 27.8 41.6#

84 169.2 66.4 99.6#

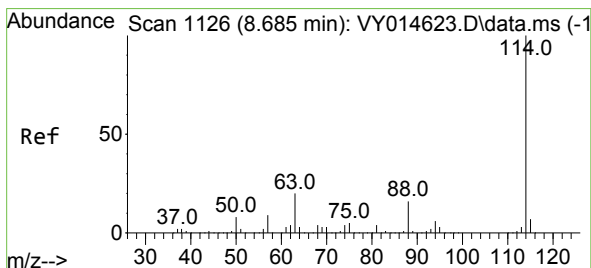
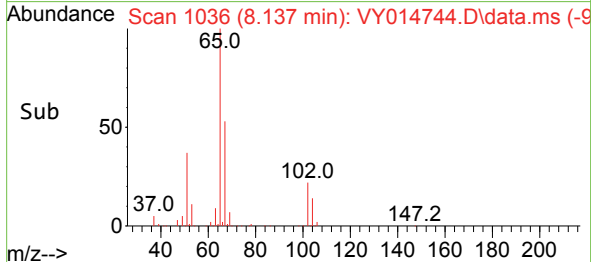
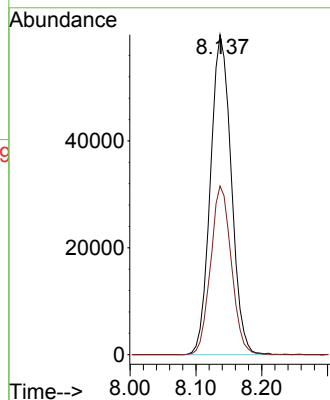
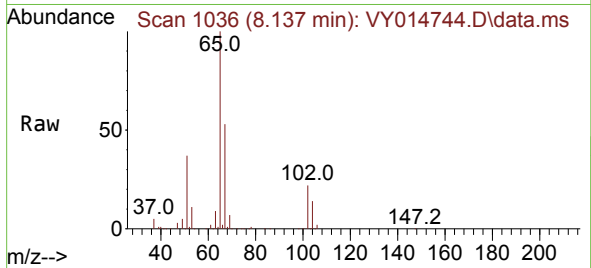




#33
1,2-Dichloroethane-d4
Concen: 53.990 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

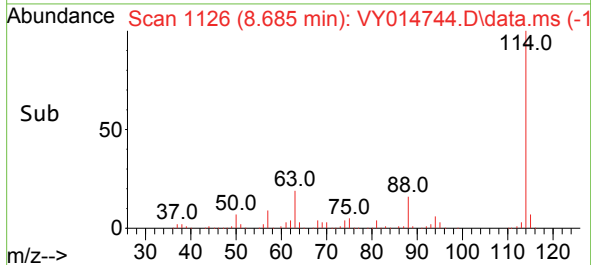
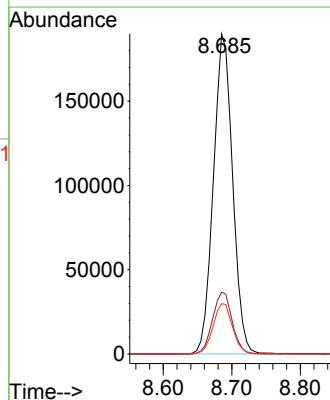
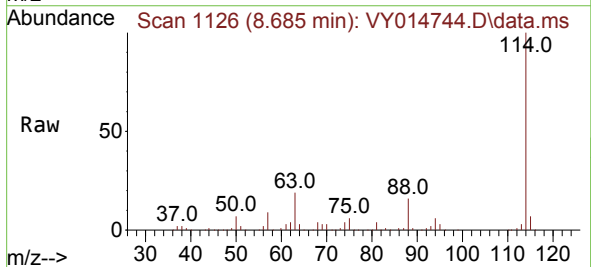
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RPTP-4-GRAB-8

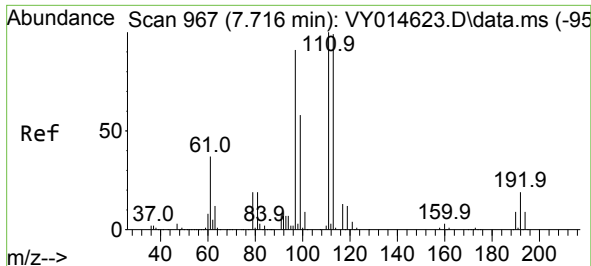
Tgt Ion: 65 Resp: 132066
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion:114 Resp: 369620
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.7 0.0 30.6

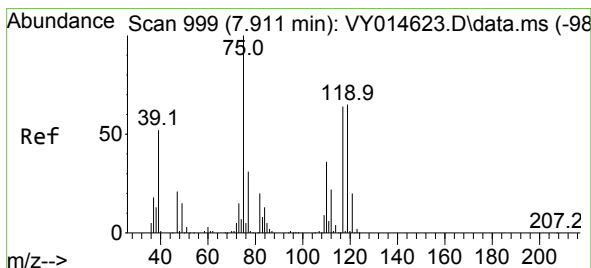
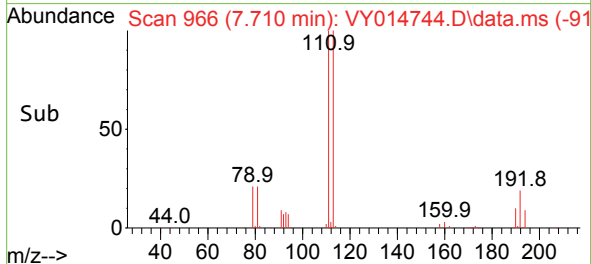
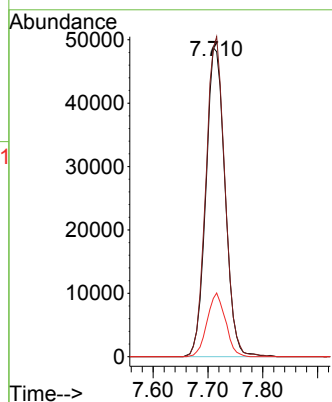
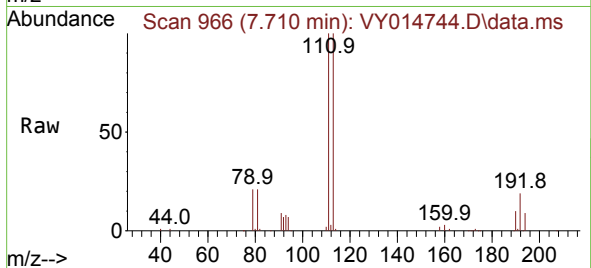




#35
Dibromofluoromethane
Concen: 50.092 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

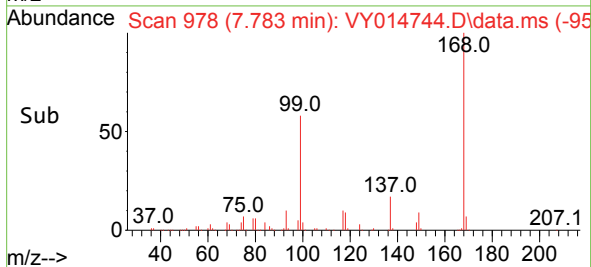
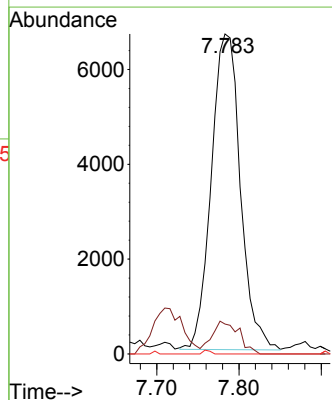
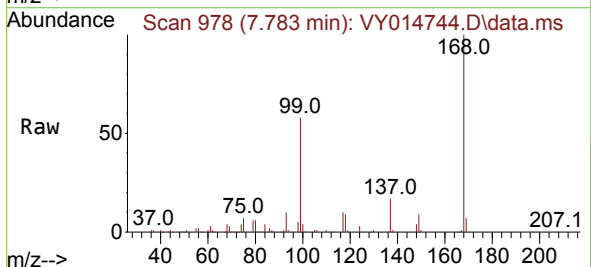
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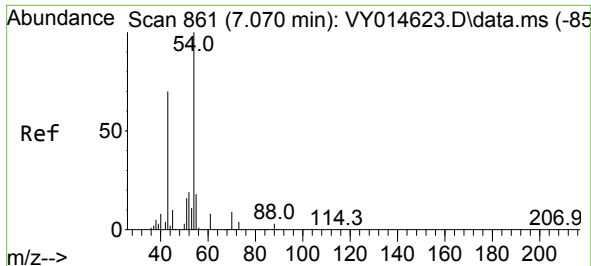
Tgt Ion:113 Resp: 117861
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion: 75 Resp: 16356
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.476 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY014744.D

Acq: 21 Jul 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-4-GRAB-8

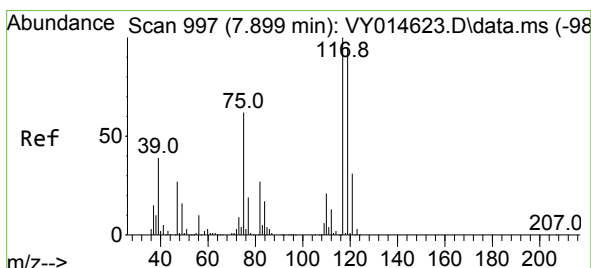
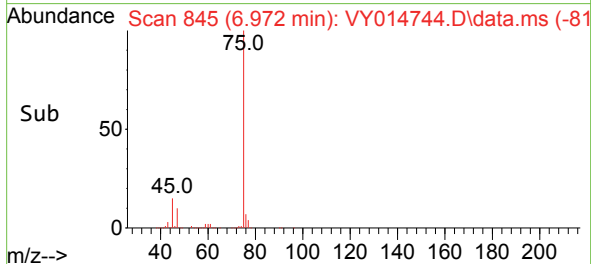
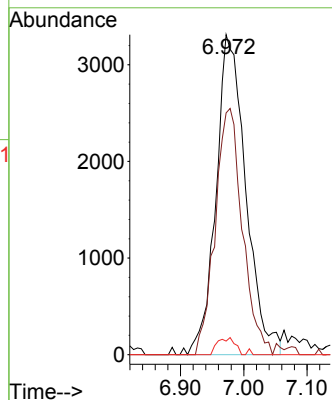
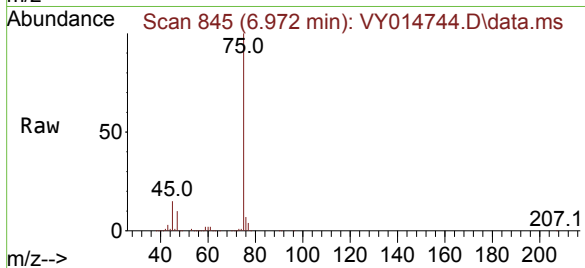
Tgt Ion: 43 Resp: 10843

Ion Ratio Lower Upper

43 100

61 70.2 10.1 15.1#

70 3.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.639 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY014744.D

Acq: 21 Jul 2023 14:08

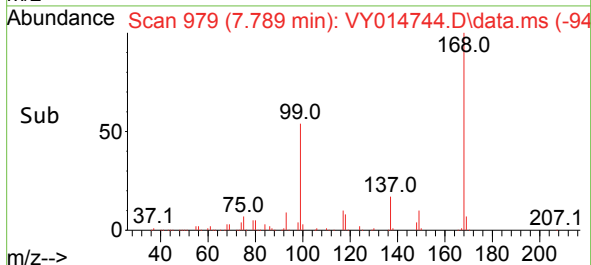
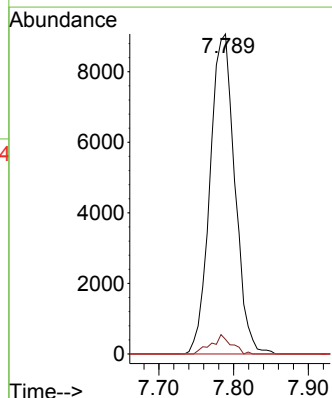
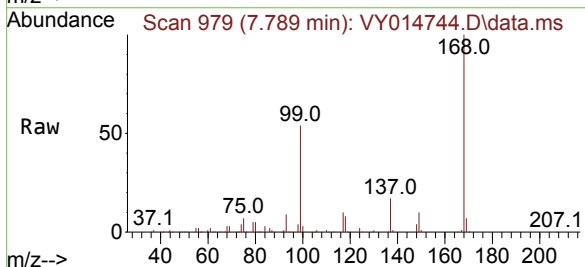
Tgt Ion: 117 Resp: 20975

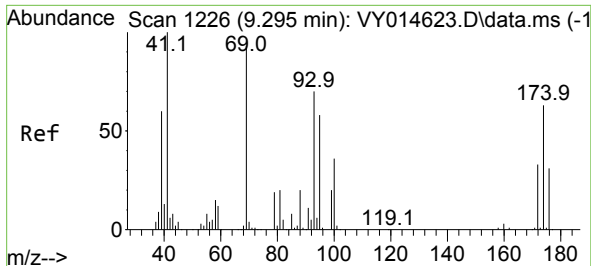
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 2.166 ug/l

RT: 9.173 min Scan# 1226

Delta R.T. -0.122 min

Lab File: VY014744.D

Acq: 21 Jul 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-4-GRAB-8

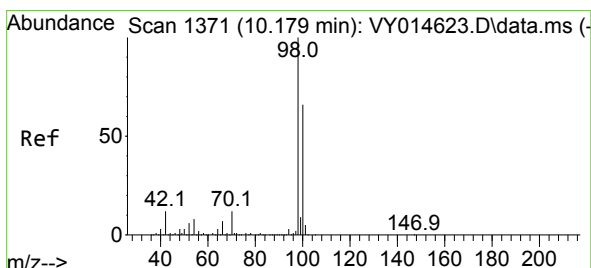
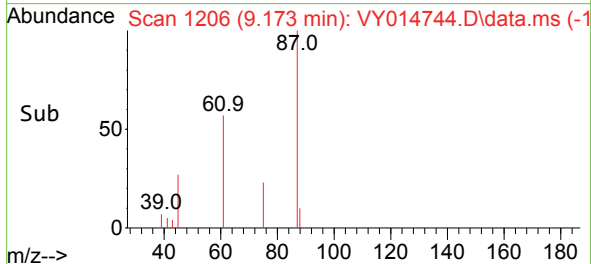
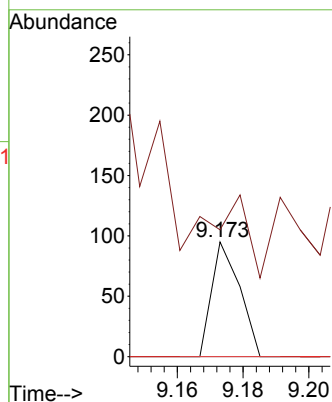
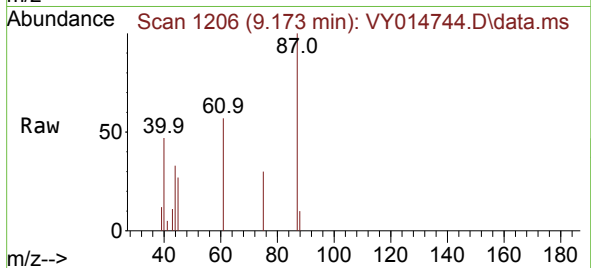
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 50.742 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014744.D

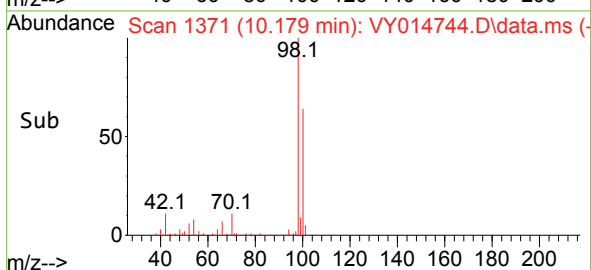
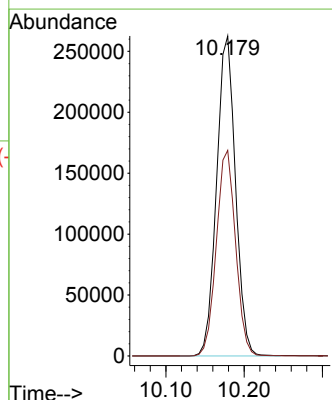
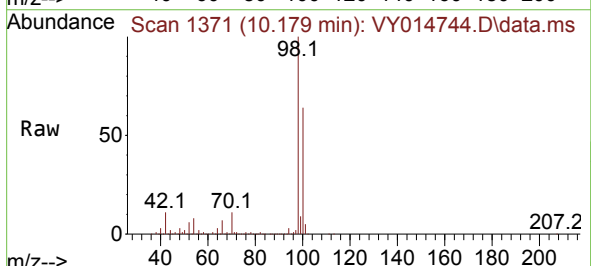
Acq: 21 Jul 2023 14:08

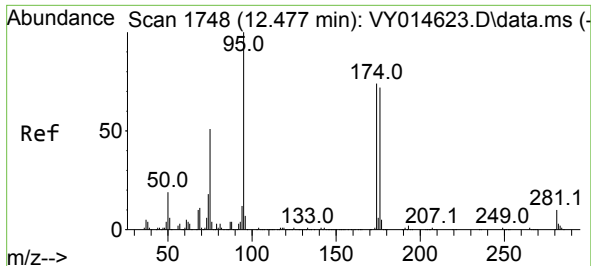
Tgt Ion: 98 Resp: 440168

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1

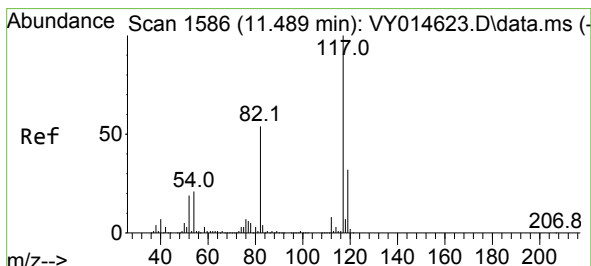
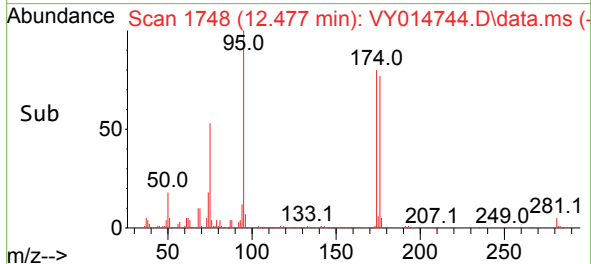
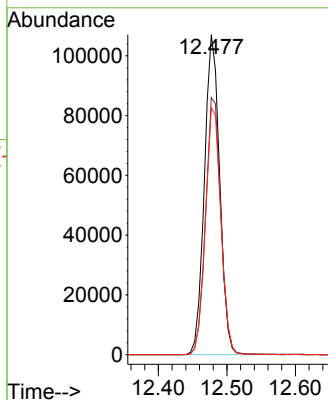
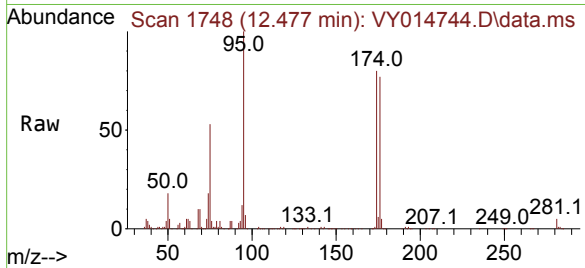




#62
4-Bromofluorobenzene
Concen: 49.948 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

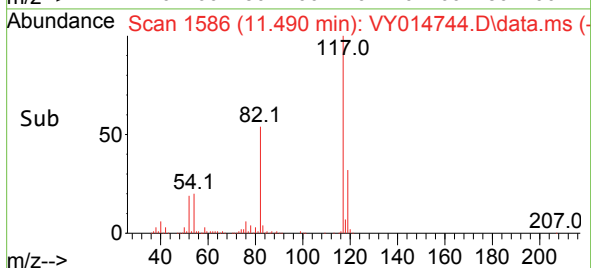
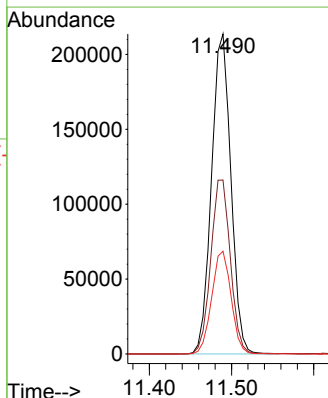
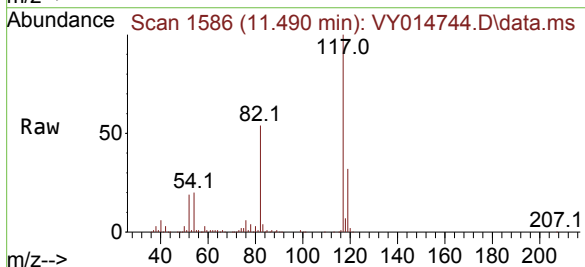
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-4-GRAB-8

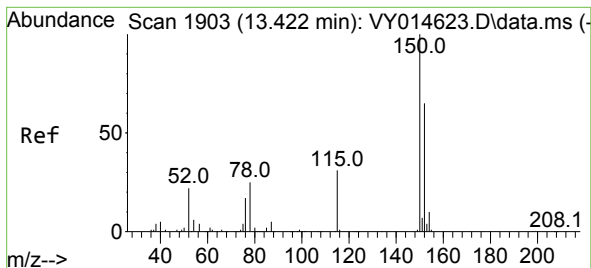
Tgt Ion: 95 Resp: 166138
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 78.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014744.D
Acq: 21 Jul 2023 14:08

Tgt Ion: 117 Resp: 349811
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.1 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: VY014744.D

Acq: 21 Jul 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-4-GRAB-8

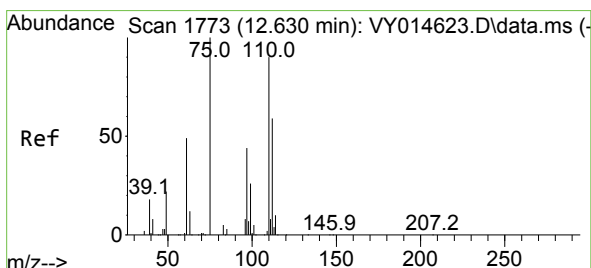
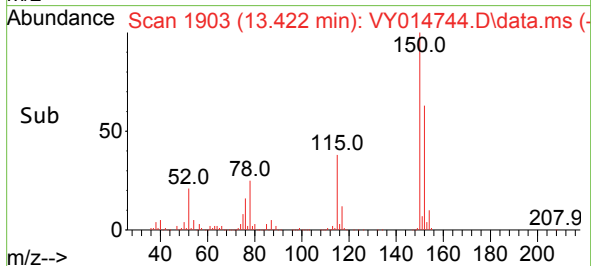
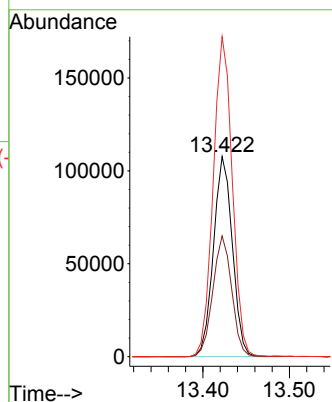
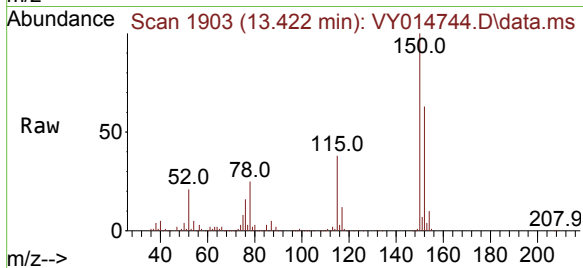
Tgt Ion:152 Resp: 163461

Ion Ratio Lower Upper

152 100

115 60.1 28.8 86.5

150 161.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.995 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014744.D

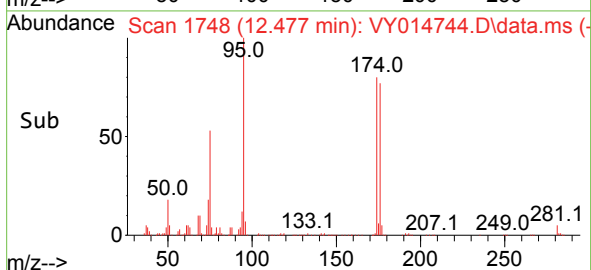
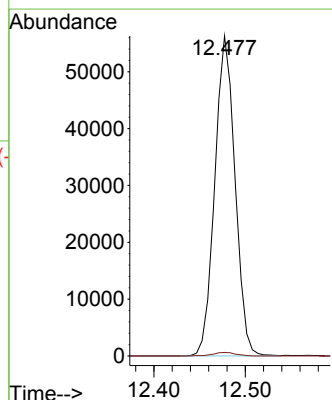
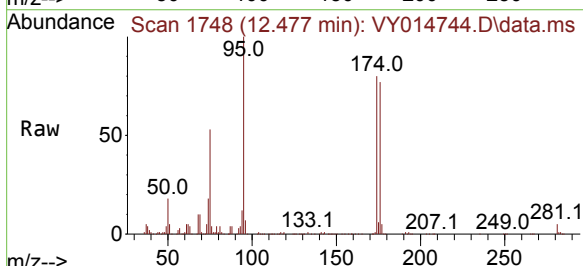
Acq: 21 Jul 2023 14:08

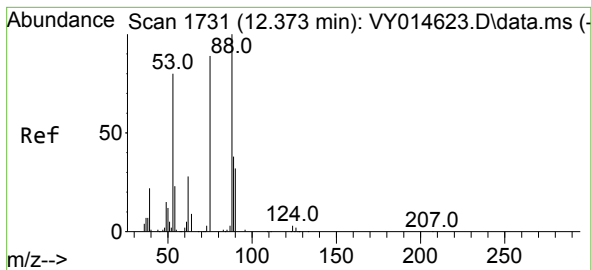
Tgt Ion: 75 Resp: 86698

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.310 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014744.D
 Acq: 21 Jul 2023 14:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-4-GRAB-8

Tgt Ion: 75 Resp: 86698
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

