

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014748.D
 Acq On : 21 Jul 2023 15:43
 Operator : SY/MD
 Sample : 03681-18
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-6-GRAB-12

Quant Time: Jul 22 05:38:08 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)

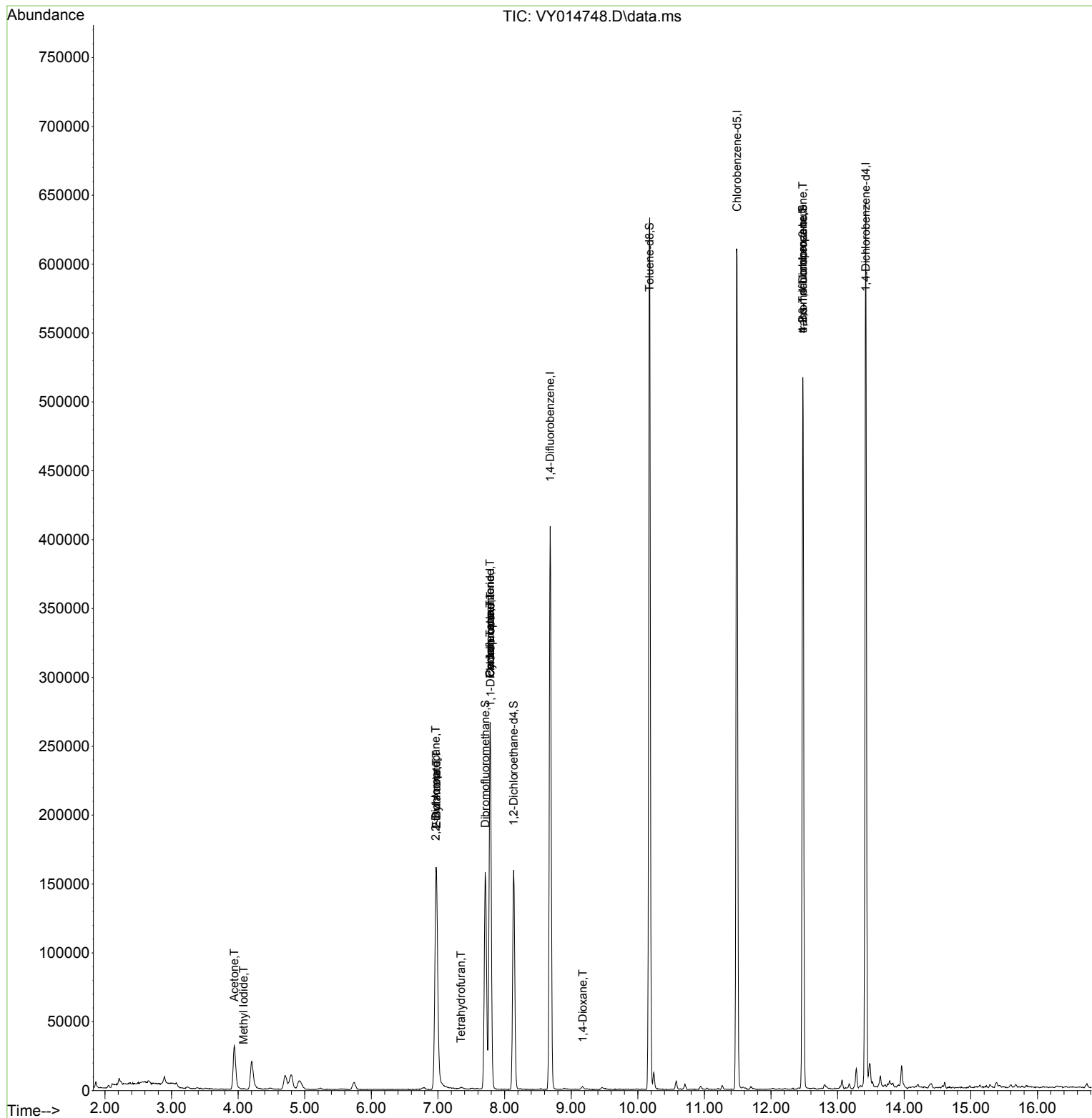
Internal Standards						
1) Pentafluorobenzene	7.783	168	208626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	358689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125409	52.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.500%
35) Dibromofluoromethane	7.710	113	113437	49.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.179	98	423850	50.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.700%
62) 4-Bromofluorobenzene	12.477	95	159882	49.532	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.060%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.082	142	338	2.508	ug/l #	87
11) Tert butyl alcohol	4.924	59	5166	Below Cal	#	96
16) Acetone	3.942	43	55083	73.116	ug/l	91
20) Methylene Chloride	4.698	84	7906	Below Cal	#	82
25) 2-Butanone	6.978	43	10316	9.360	ug/l #	85
26) 2,2-Dichloropropane	6.966	77	11921	2.948	ug/l #	54
29) Tetrahydrofuran	7.344	42	983	1.448	ug/l #	35
31) Cyclohexane	7.783	56	4515	1.144	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	15999	4.685	ug/l #	50
37) Ethyl Acetate	6.978	43	10316	4.388	ug/l #	5
38) Carbon Tetrachloride	7.783	117	20431	5.660	ug/l #	16
49) 1,4-Dioxane	9.173	88	160	6.378	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	83532	40.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83532	78.110	ug/l #	10

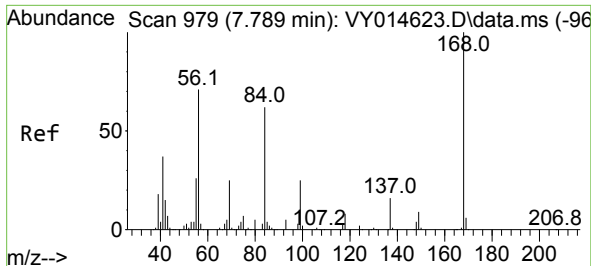
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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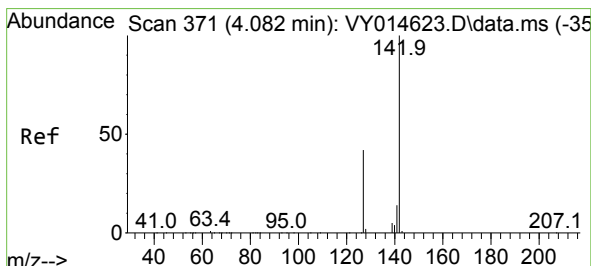
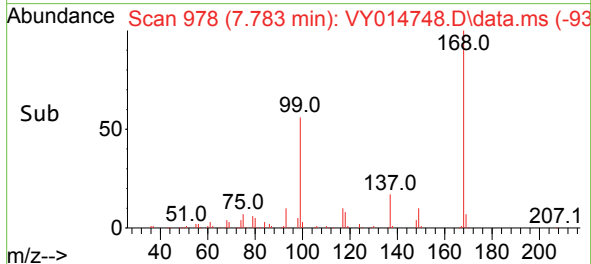
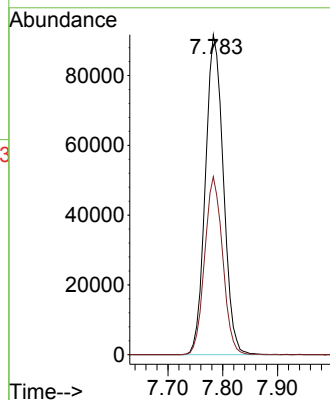
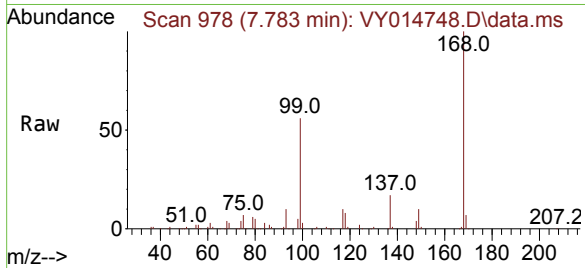




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

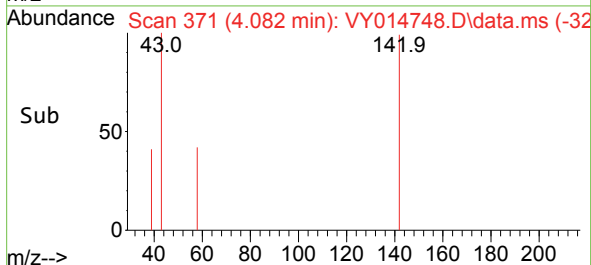
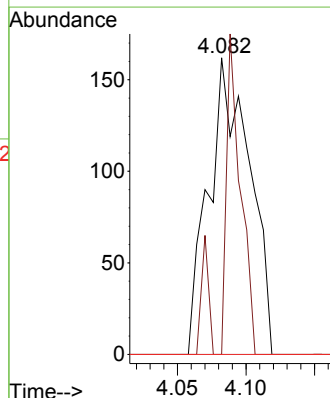
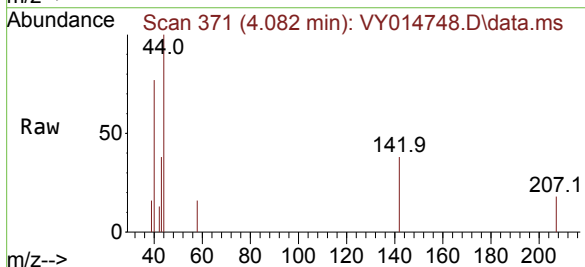
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-6-GRAB-12

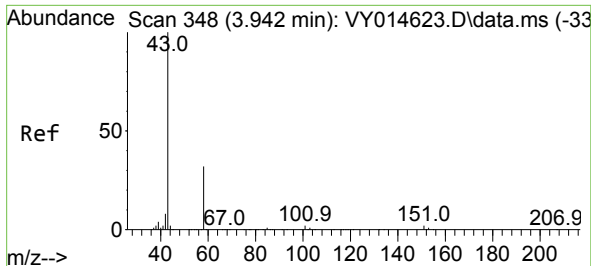
Tgt Ion:168 Resp: 208626
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.508 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion:142 Resp: 338
Ion Ratio Lower Upper
142 100
127 43.5 37.6 56.4
141 0.0 11.8 17.8#





#16

Acetone

Concen: 73.116 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY014748.D

Acq: 21 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

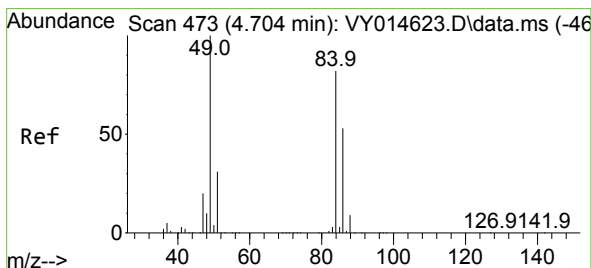
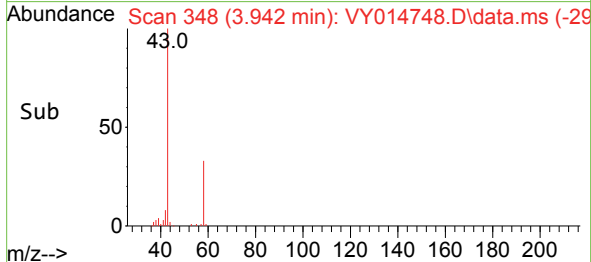
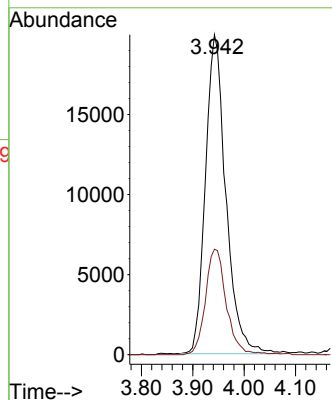
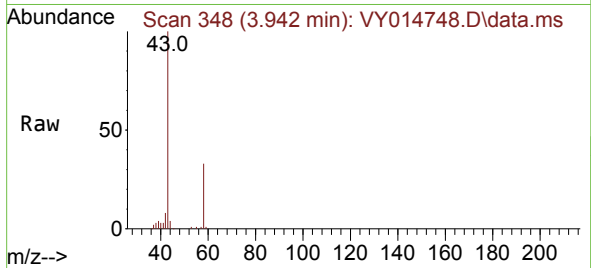
RPTP-6-GRAB-12

Tgt Ion: 43 Resp: 55083

Ion Ratio Lower Upper

43 100

58 33.0 22.7 34.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY014748.D

Acq: 21 Jul 2023 15:43

Tgt Ion: 84 Resp: 7906

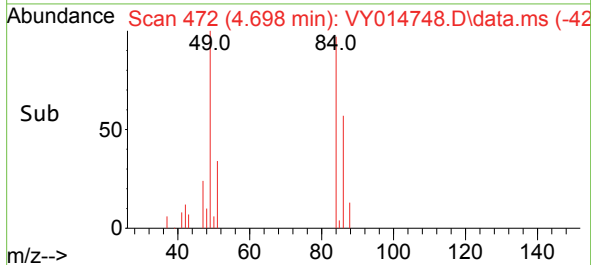
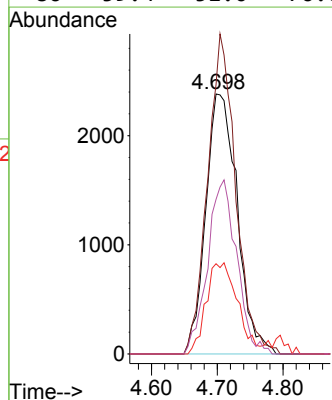
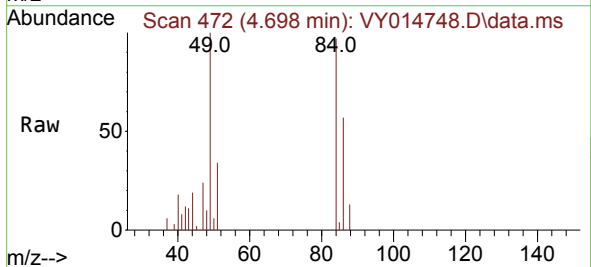
Ion Ratio Lower Upper

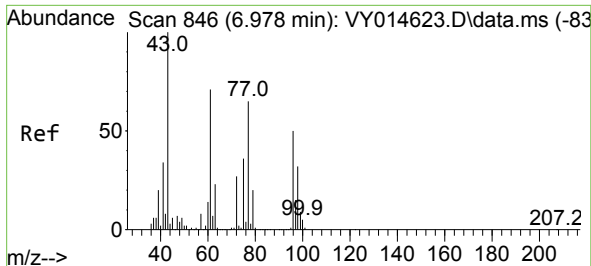
84 100

49 103.5 106.9 160.3#

51 34.7 33.2 49.8

86 59.4 51.0 76.6

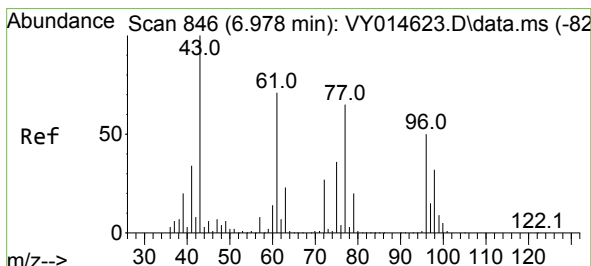
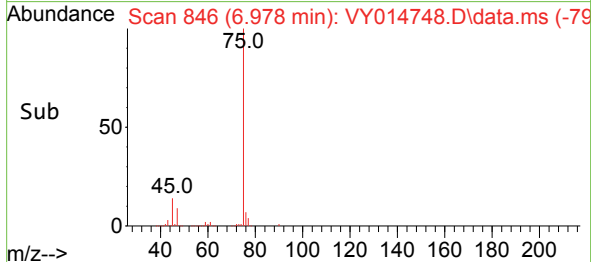
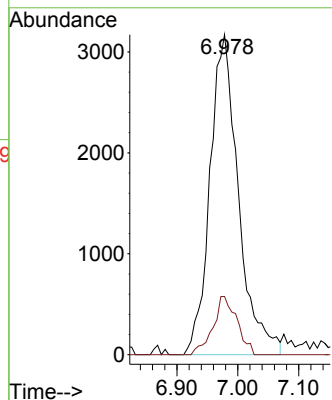
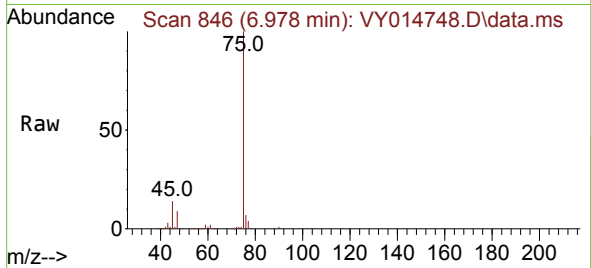




#25
2-Butanone
Concen: 9.360 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

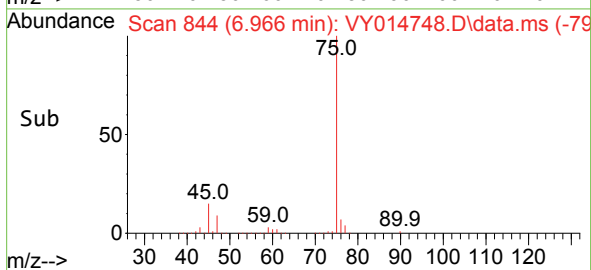
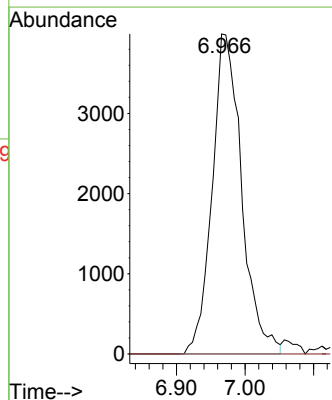
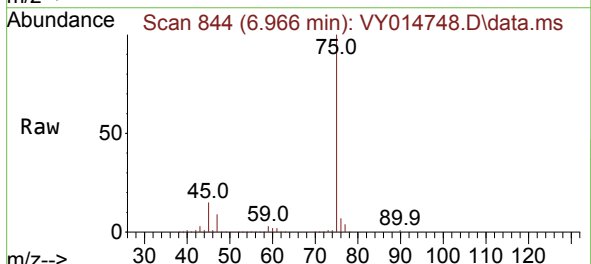
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-6-GRAB-12

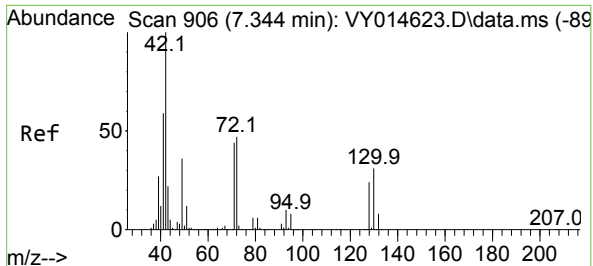
Tgt Ion: 43 Resp: 10316
Ion Ratio Lower Upper
43 100
72 18.2 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.948 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion: 77 Resp: 11921
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.448 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014748.D

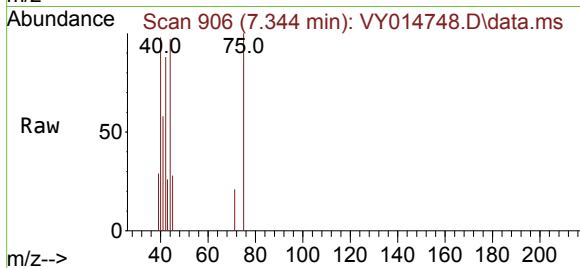
Acq: 21 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-6-GRAB-12



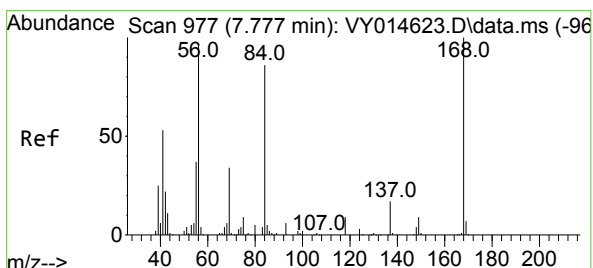
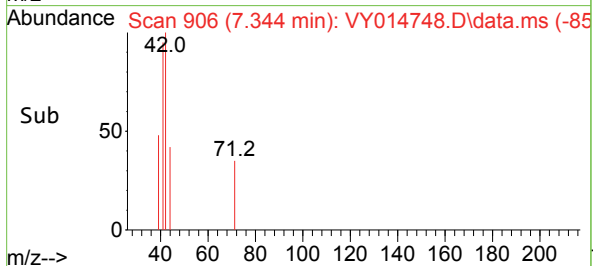
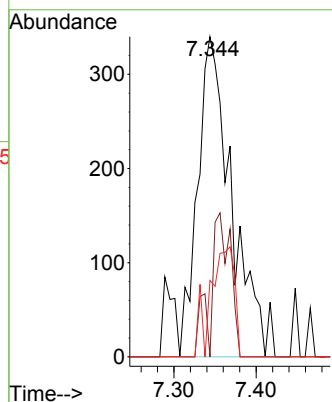
Tgt Ion: 42 Resp: 983

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.0 46.4#



#31

Cyclohexane

Concen: 1.144 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY014748.D

Acq: 21 Jul 2023 15:43

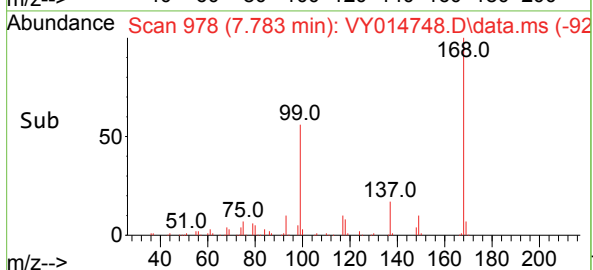
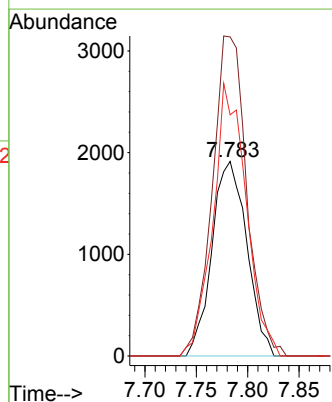
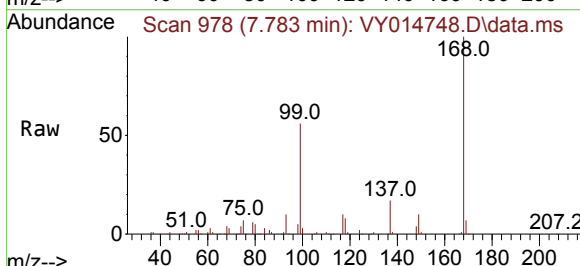
Tgt Ion: 56 Resp: 4515

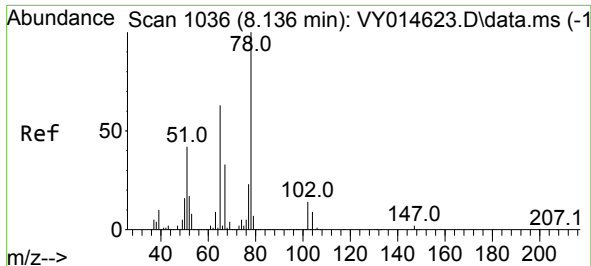
Ion Ratio Lower Upper

56 100

69 164.0 27.8 41.6#

84 123.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 52.751 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014748.D

Acq: 21 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

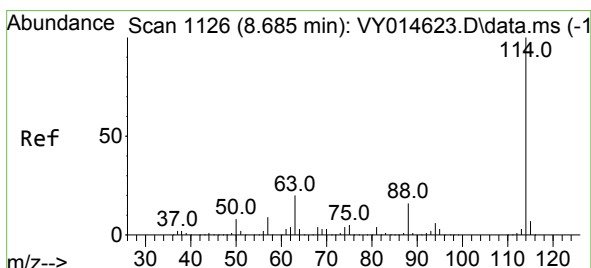
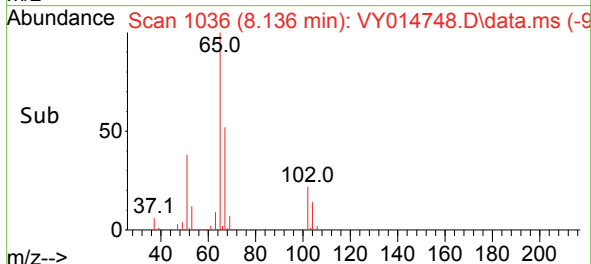
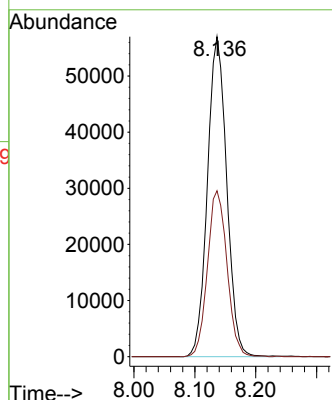
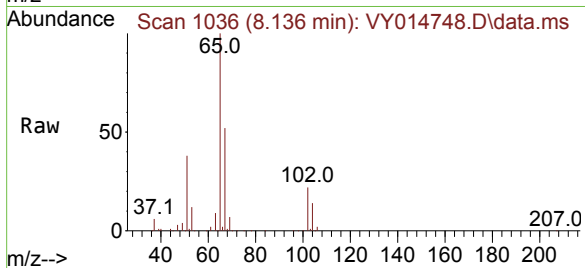
RPTP-6-GRAB-12

Tgt Ion: 65 Resp: 125409

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: VY014748.D

Acq: 21 Jul 2023 15:43

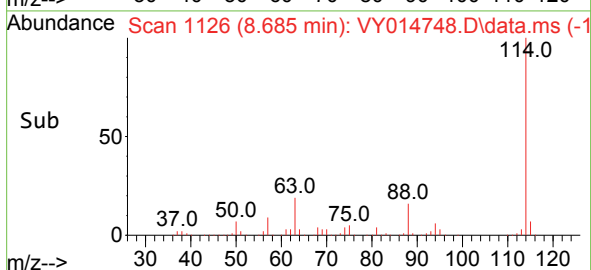
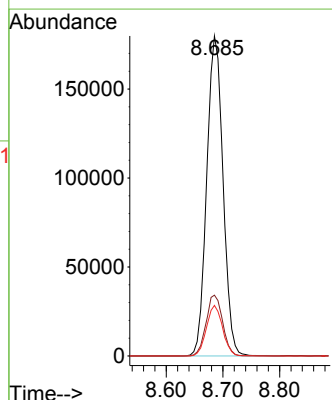
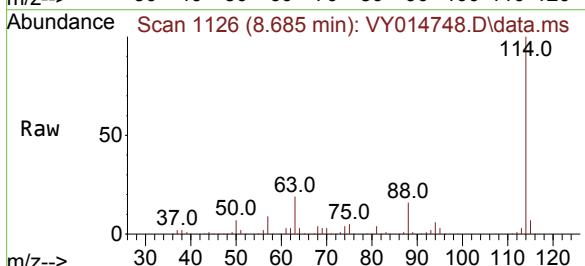
Tgt Ion: 114 Resp: 358689

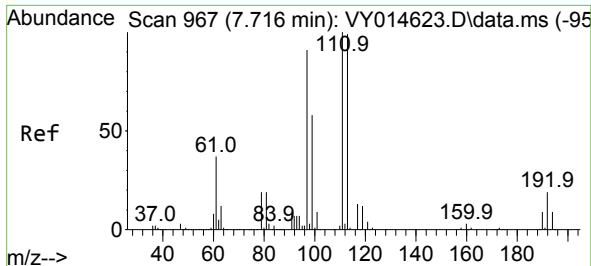
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.8 0.0 30.6

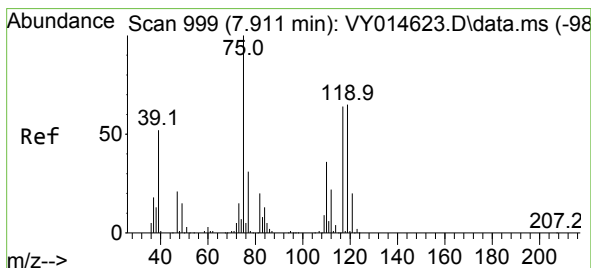
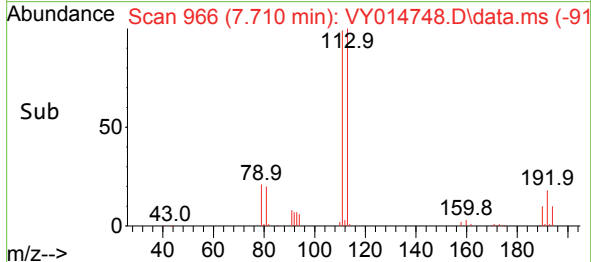
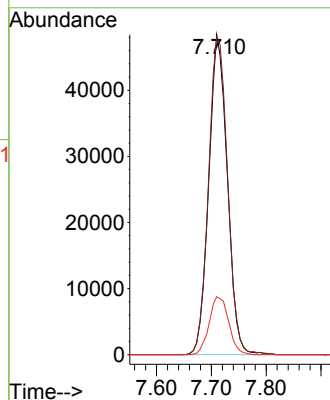
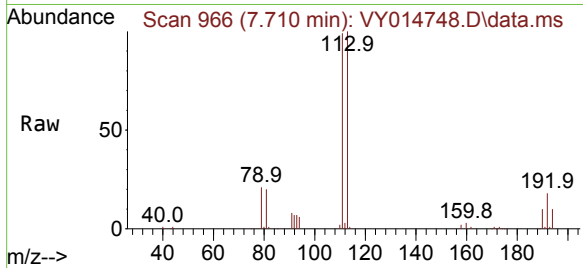




#35
Dibromofluoromethane
Concen: 49.681 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

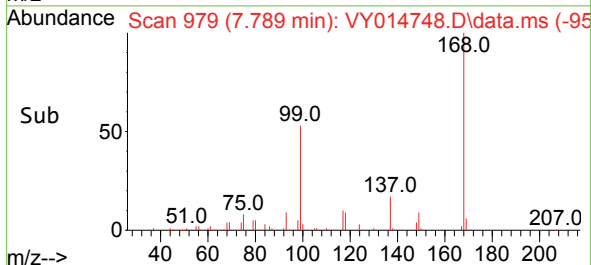
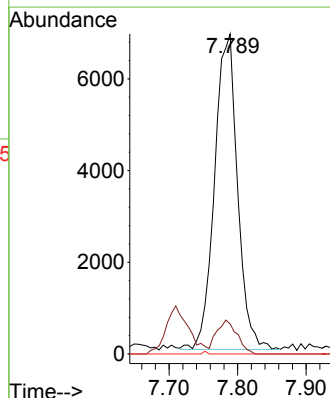
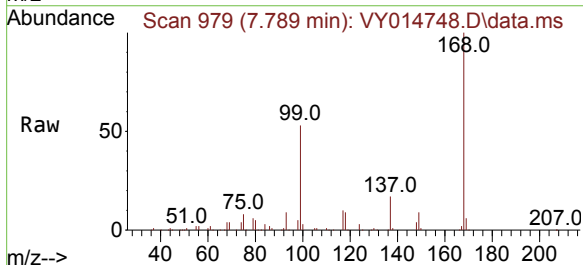
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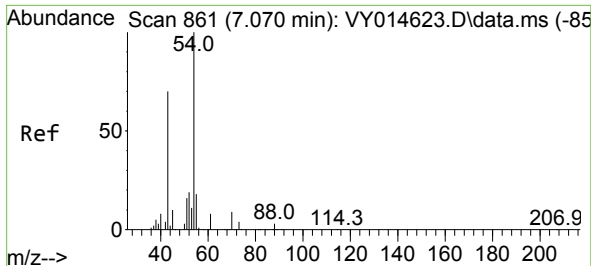
Tgt Ion:113 Resp: 113437
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.685 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion: 75 Resp: 15999
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

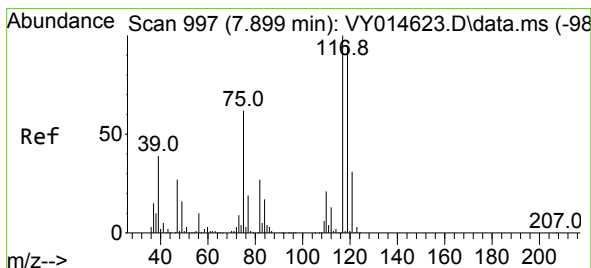
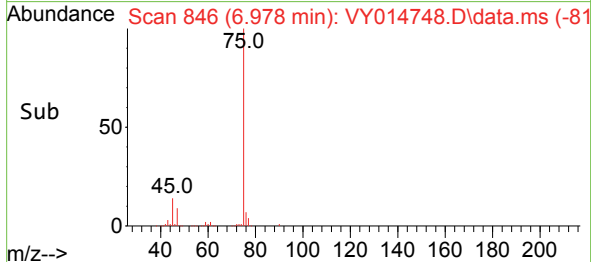
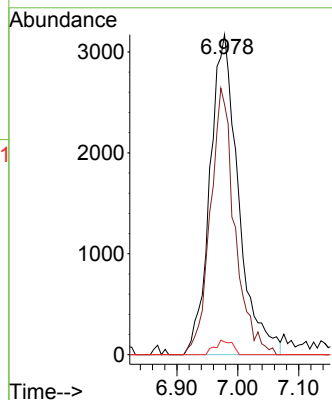
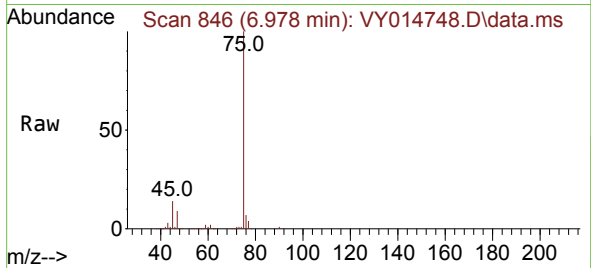




#37
Ethyl Acetate
Concen: 4.388 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

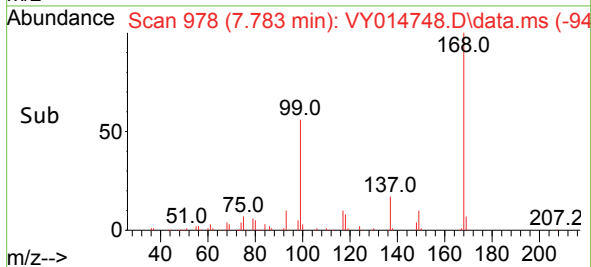
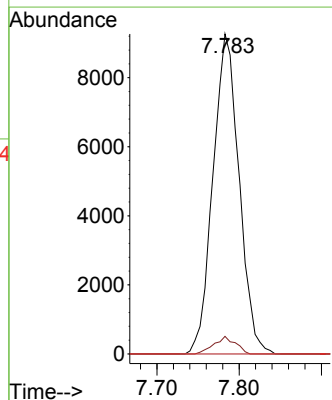
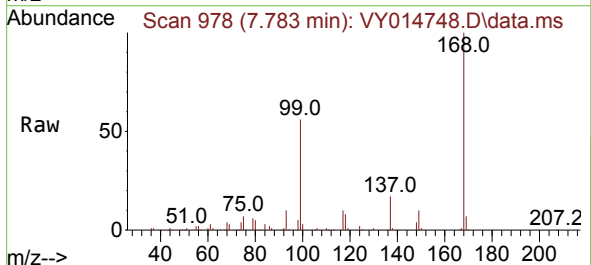
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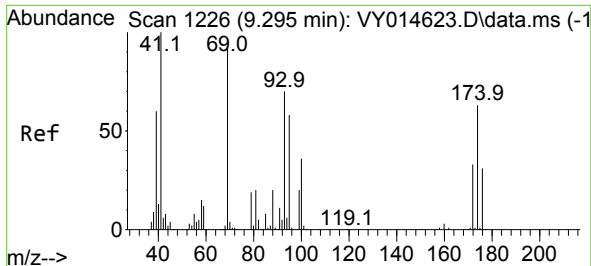
Tgt Ion: 43 Resp: 10316
Ion Ratio Lower Upper
43 100
61 71.5 10.1 15.1#
70 2.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion: 117 Resp: 20431
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 6.378 ug/l

RT: 9.173 min Scan# 1206

Delta R.T. -0.122 min

Lab File: VY014748.D

Acq: 21 Jul 2023 15:43

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-6-GRAB-12

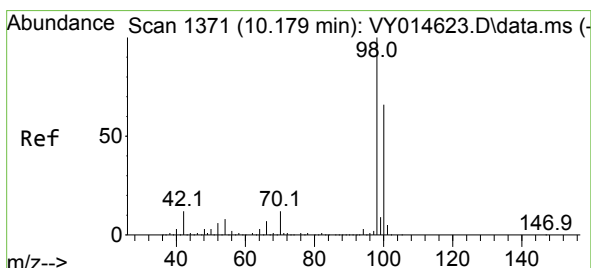
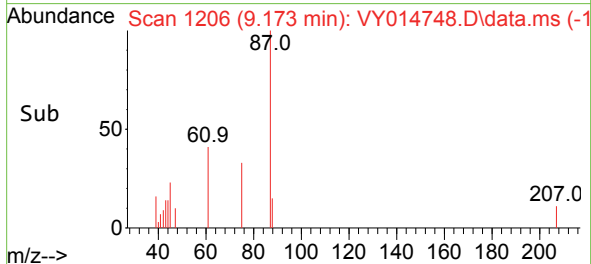
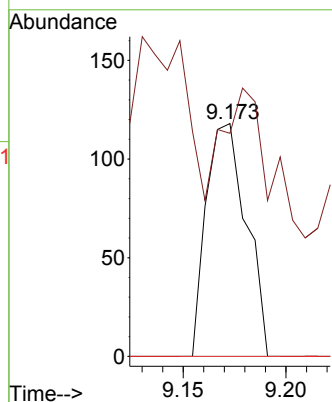
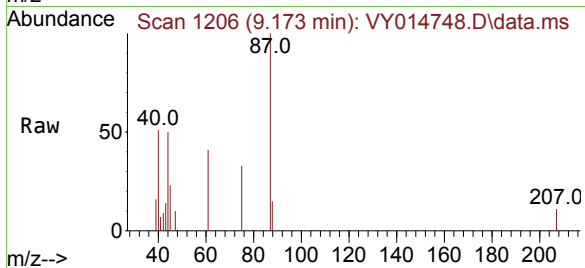
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

88 100

43 87.5 0.0 0.0#

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 50.350 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014748.D

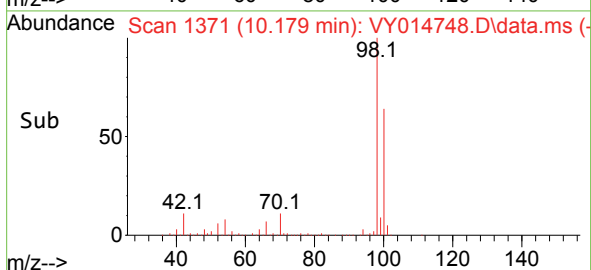
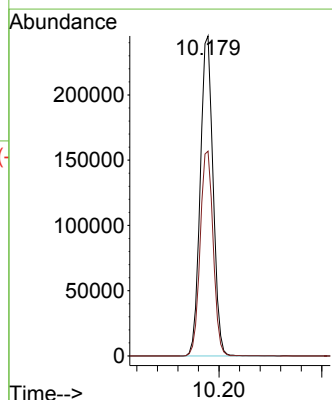
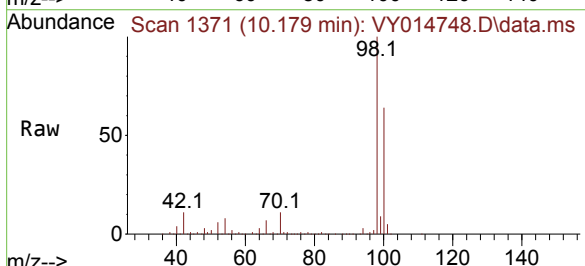
Acq: 21 Jul 2023 15:43

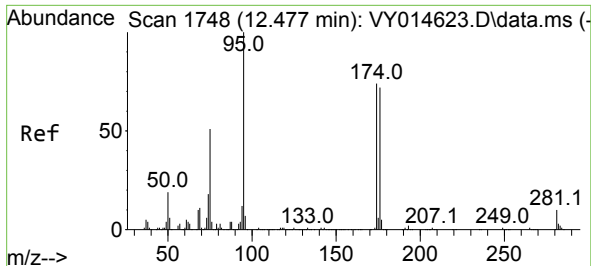
Tgt Ion: 98 Resp: 423850

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

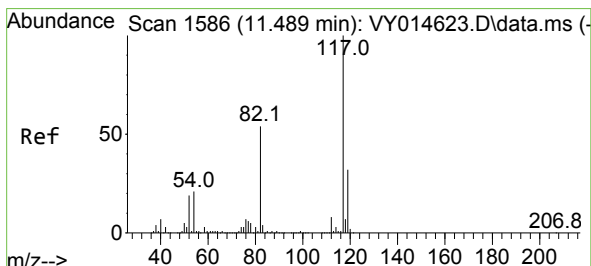
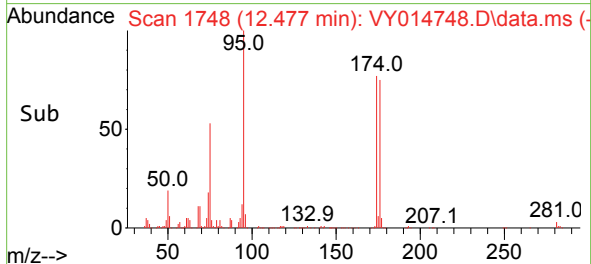
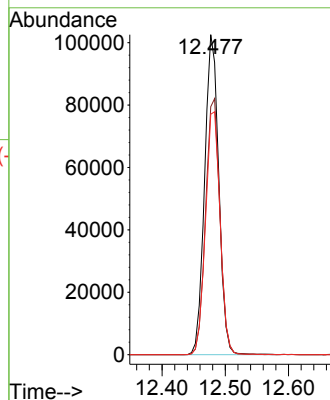
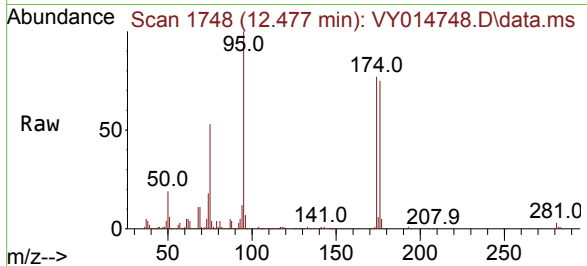




#62
4-Bromofluorobenzene
Concen: 49.532 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

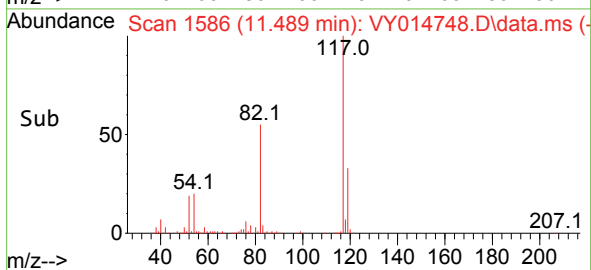
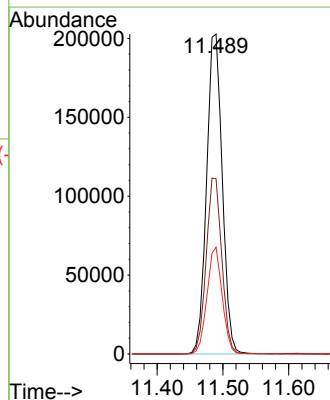
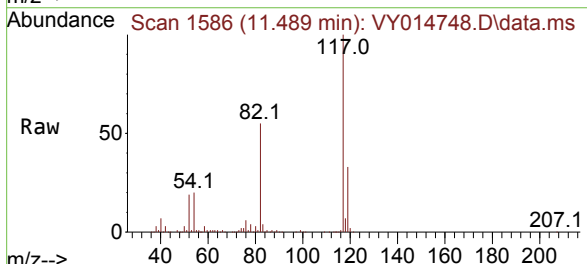
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-6-GRAB-12

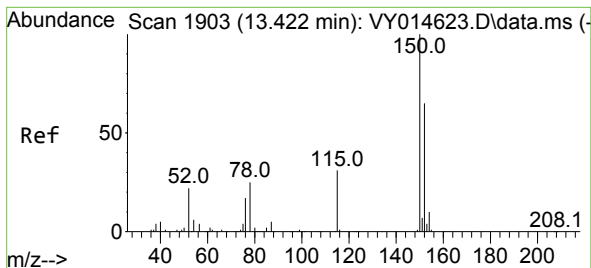
Tgt Ion: 95 Resp: 159882
Ion Ratio Lower Upper
95 100
174 80.8 0.0 178.2
176 78.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion: 117 Resp: 336264
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 33.4 26.3 39.5

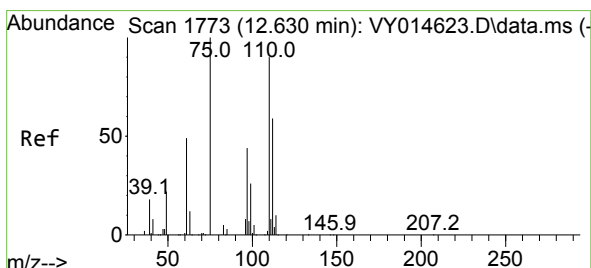
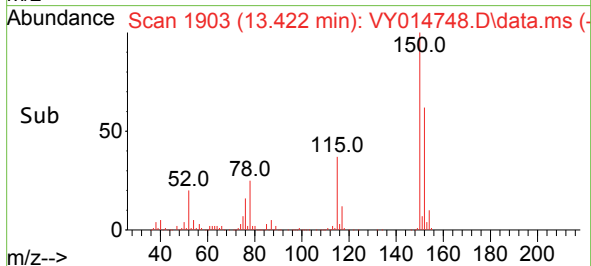
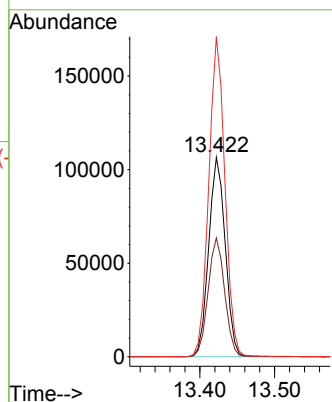
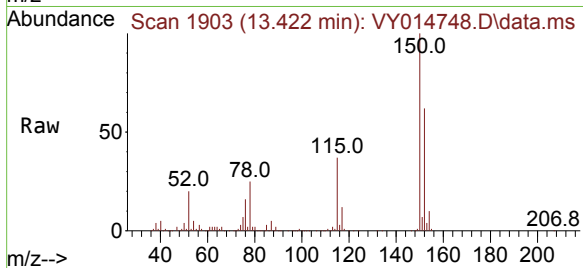




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

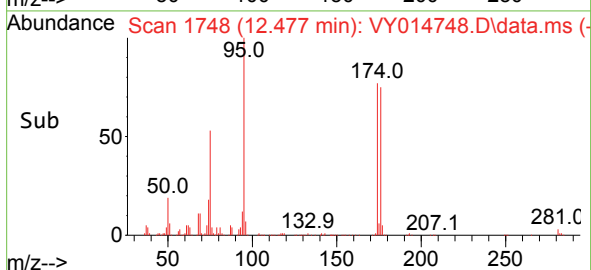
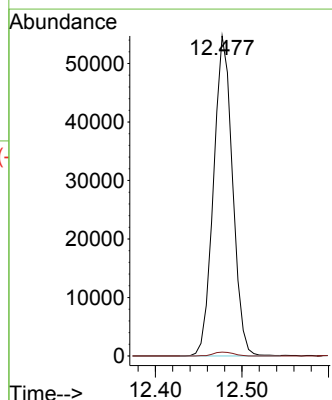
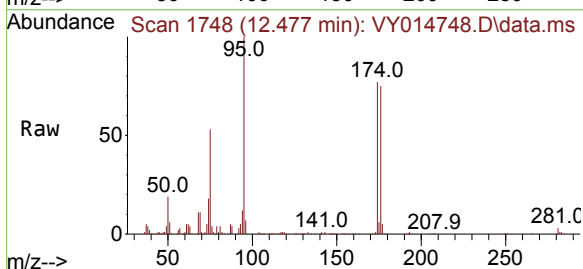
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-6-GRAB-12

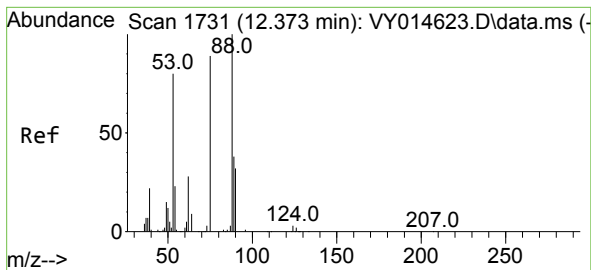
Tgt Ion:	152	Resp:	163944
Ion Ratio	Lower	Upper	
152	100		
115	59.4	28.8	86.5
150	156.3	0.0	348.8



#76
1,2,3-Trichloropropane
Concen: 40.343 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014748.D
Acq: 21 Jul 2023 15:43

Tgt Ion:	75	Resp:	83532
Ion Ratio	Lower	Upper	
75	100		
77	1.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.110 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014748.D
 Acq: 21 Jul 2023 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-6-GRAB-12

Tgt Ion: 75 Resp: 83532
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

