

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014799.D
 Acq On : 25 Jul 2023 14:10
 Operator : SY/MD
 Sample : 03681-23
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-8-GRAB-15

Quant Time: Jul 26 01:18:05 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)

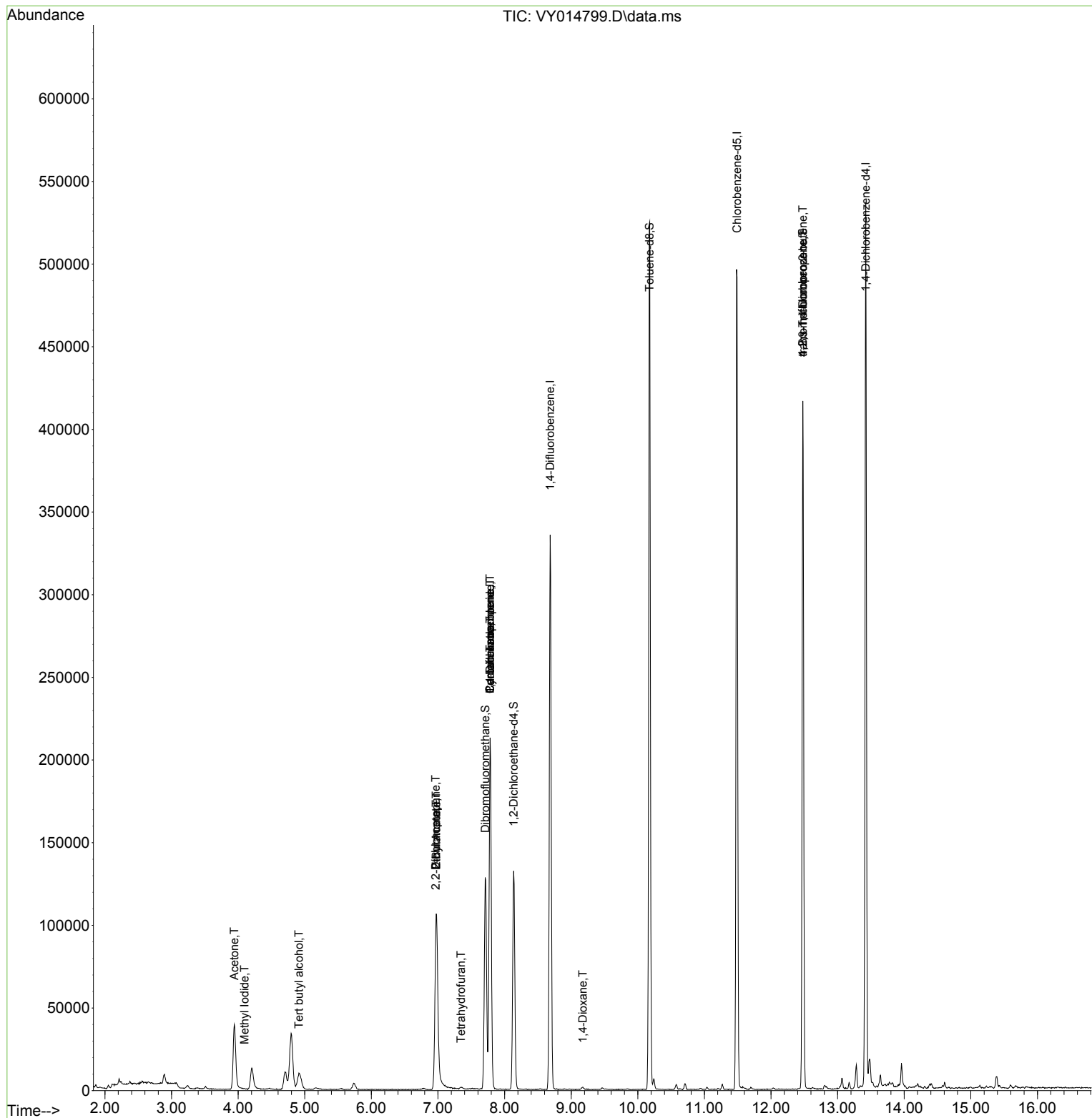
Internal Standards						
1) Pentafluorobenzene	7.783	168	165010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132420	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104649	55.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.300%
35) Dibromofluoromethane	7.710	113	91000	49.317	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.640%
50) Toluene-d8	10.179	98	344819	50.687	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.477	95	126995	48.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.380%
Target Compounds						Qvalue
10) Methyl Iodide	4.094	142	305	2.527	ug/l #	55
11) Tert butyl alcohol	4.911	59	11619	17.843	ug/l #	90
16) Acetone	3.942	43	69571	116.757	ug/l	96
20) Methylene Chloride	4.704	84	7653	Below Cal		84
25) 2-Butanone	6.972	43	6220	7.135	ug/l #	73
26) 2,2-Dichloropropane	6.966	77	7875	2.462	ug/l #	54
29) Tetrahydrofuran	7.344	42	754	1.405	ug/l #	80
31) Cyclohexane	7.783	56	3563	1.141	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12825	4.648	ug/l #	51
37) Ethyl Acetate	6.972	43	6220	3.274	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16755	5.744	ug/l #	16
49) 1,4-Dioxane	9.173	88	46	2.269	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	67951	40.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67951	78.667	ug/l #	10

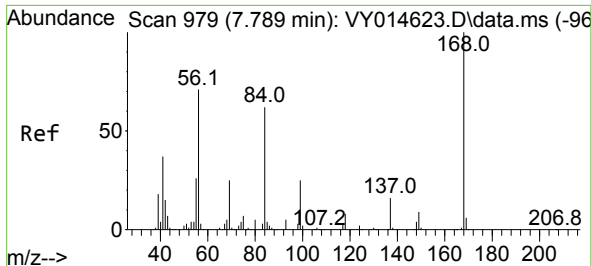
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
Data File : VY014799.D
Acq On : 25 Jul 2023 14:10
Operator : SY/MD
Sample : 03681-23
Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPTP-8-GRAB-15

Quant Time: Jul 26 01:18:05 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

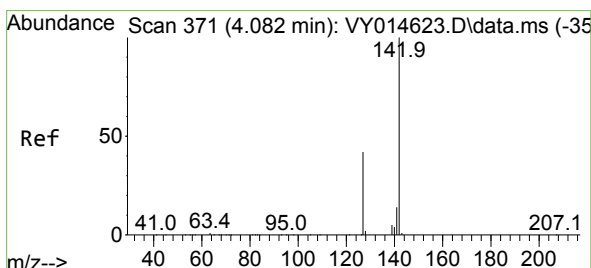
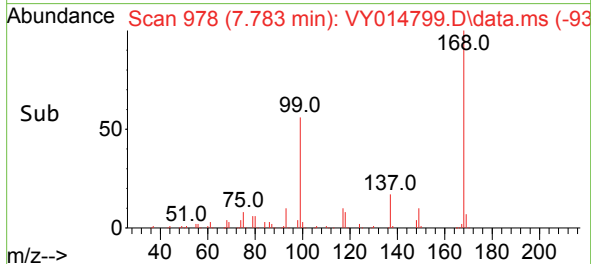
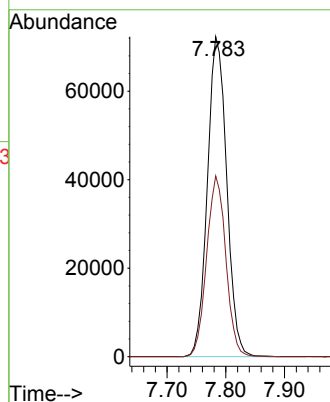
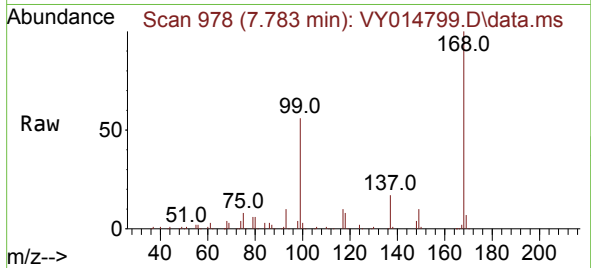




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

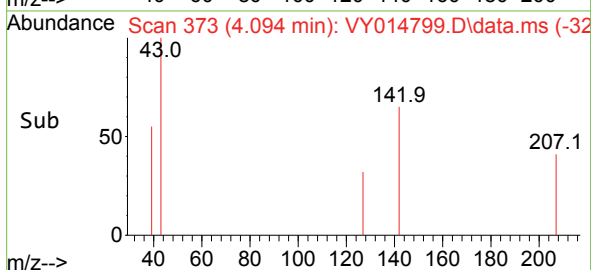
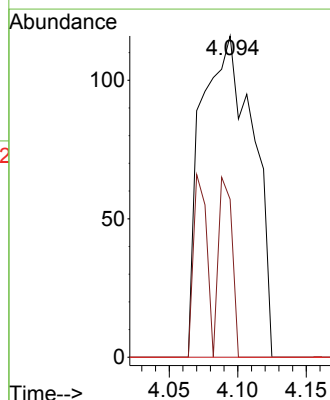
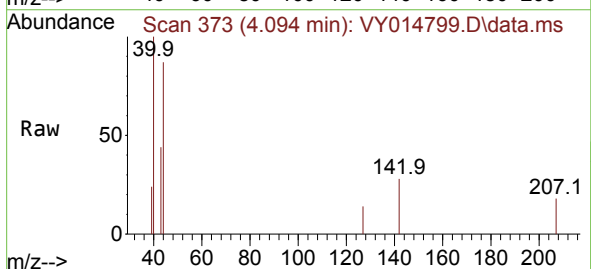
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-8-GRAB-15

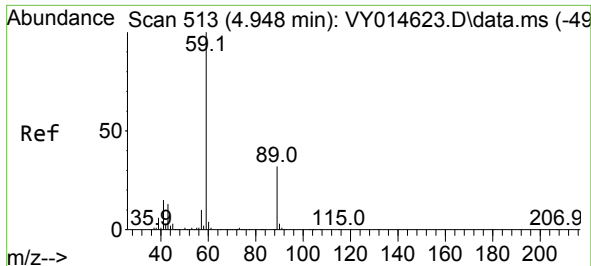
Tgt Ion:168 Resp: 165010
Ion Ratio Lower Upper
168 100
99 56.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.527 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

Tgt Ion:142 Resp: 305
Ion Ratio Lower Upper
142 100
127 14.8 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 17.843 ug/l

RT: 4.911 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY014799.D

Acq: 25 Jul 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

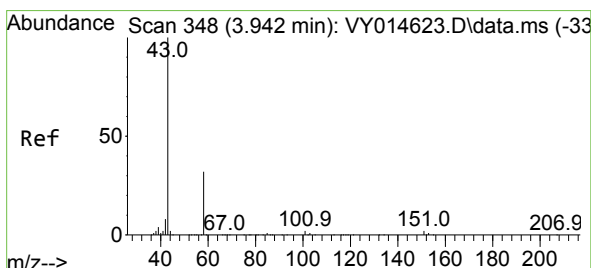
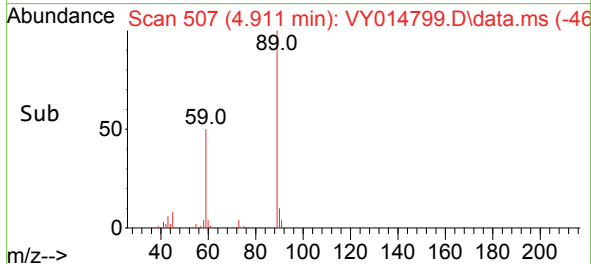
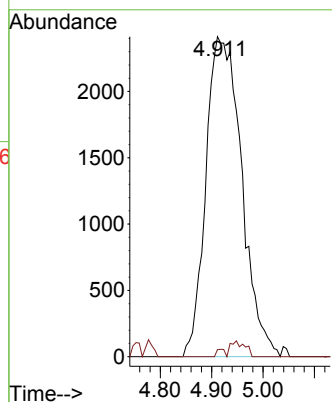
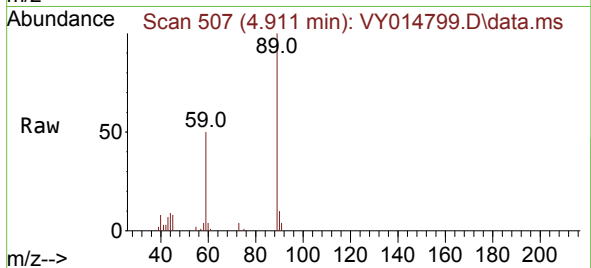
RPTP-8-GRAB-15

Tgt Ion: 59 Resp: 11619

Ion Ratio Lower Upper

59 100

57 0.5 3.0 4.4#



#16

Acetone

Concen: 116.757 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY014799.D

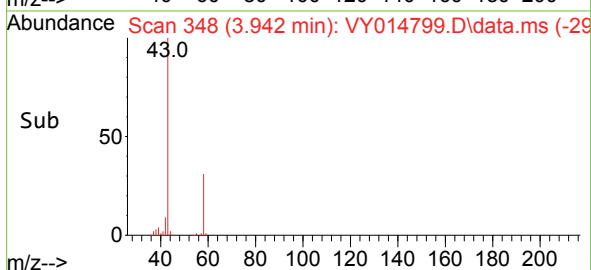
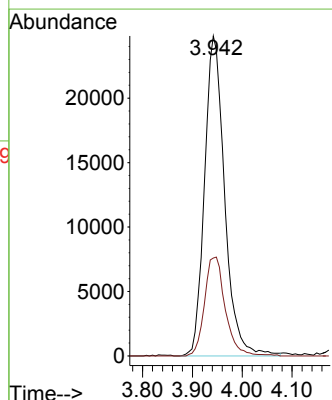
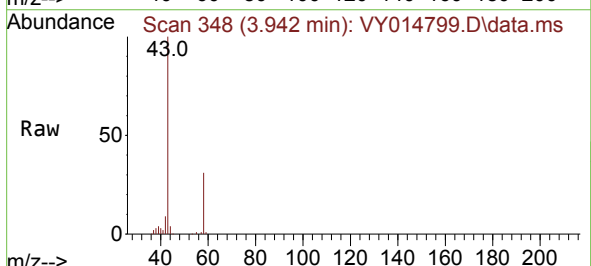
Acq: 25 Jul 2023 14:10

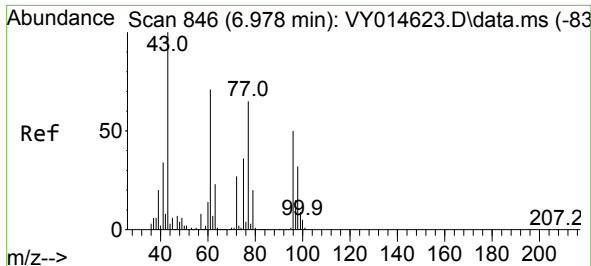
Tgt Ion: 43 Resp: 69571

Ion Ratio Lower Upper

43 100

58 30.6 22.7 34.1

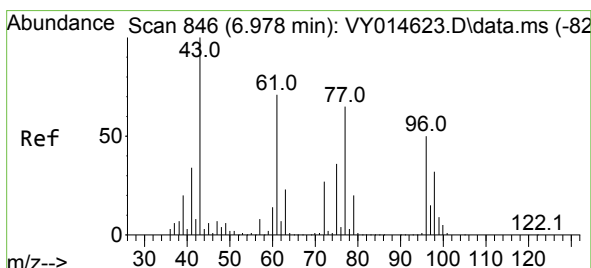
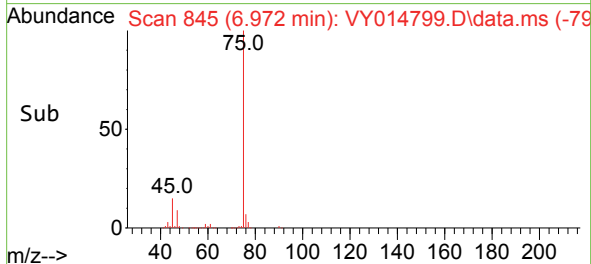
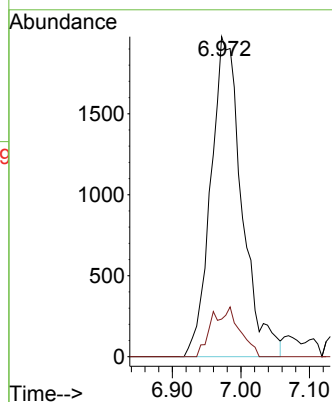
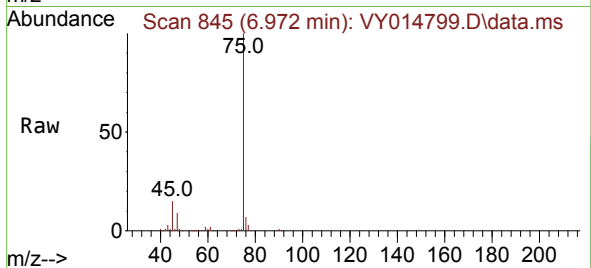




#25
2-Butanone
Concen: 7.135 ug/l
RT: 6.972 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

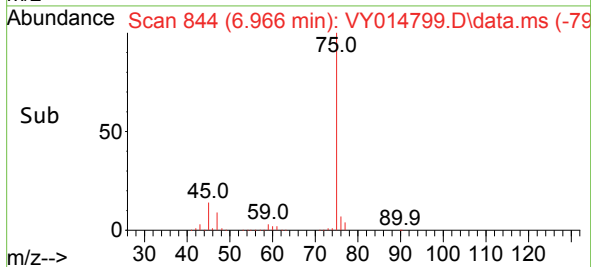
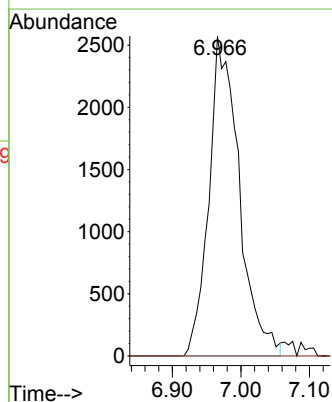
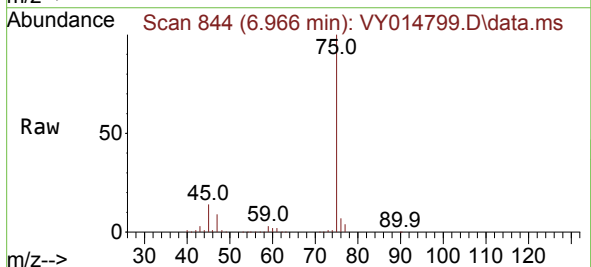
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-8-GRAB-15

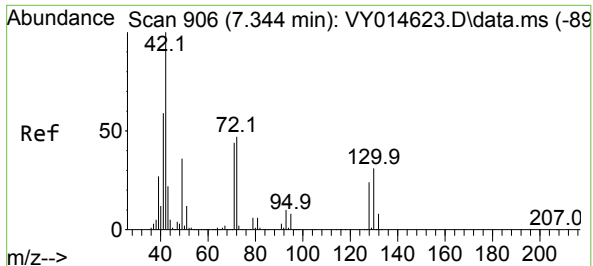
Tgt Ion: 43 Resp: 6220
Ion Ratio Lower Upper
43 100
72 11.7 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.462 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

Tgt Ion: 77 Resp: 7875
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.405 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014799.D

Acq: 25 Jul 2023 14:10

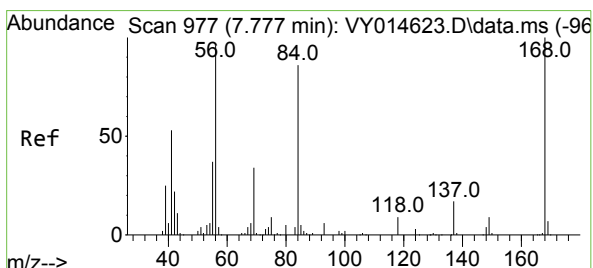
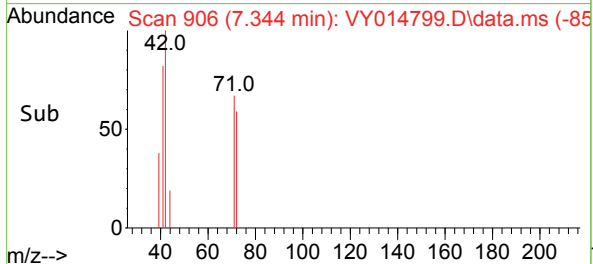
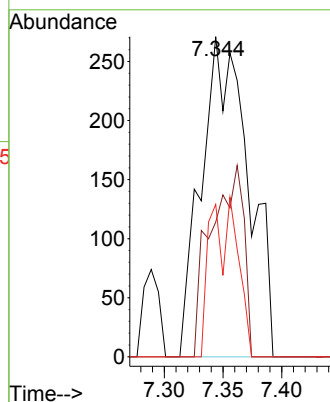
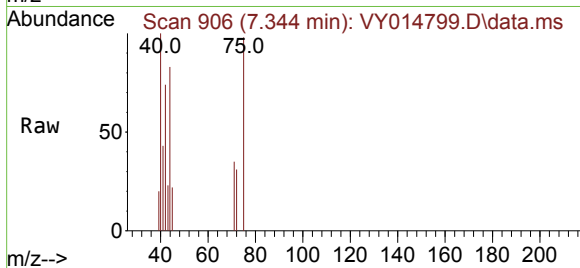
Instrument :

MSVOA_Y

ClientSampleId :

RPTP-8-GRAB-15

Tgt Ion:	42	Resp:	754
Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.8	49.2
71	15.1	31.0	46.4



#31

Cyclohexane

Concen: 1.141 ug/l

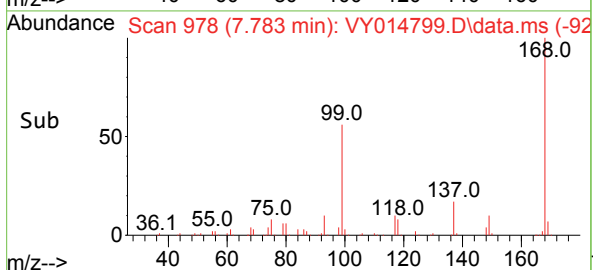
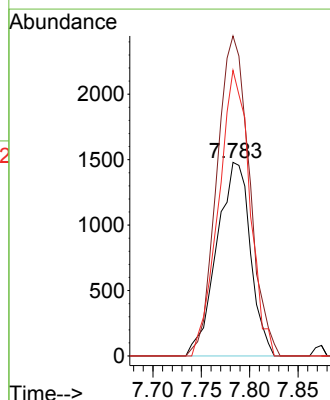
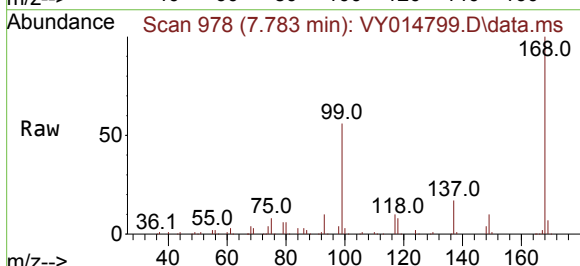
RT: 7.783 min Scan# 978

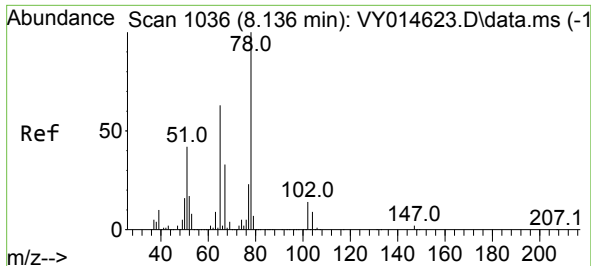
Delta R.T. 0.006 min

Lab File: VY014799.D

Acq: 25 Jul 2023 14:10

Tgt Ion:	56	Resp:	3563
Ion	Ratio	Lower	Upper
56	100		
69	165.3	27.8	41.6
84	147.5	66.4	99.6

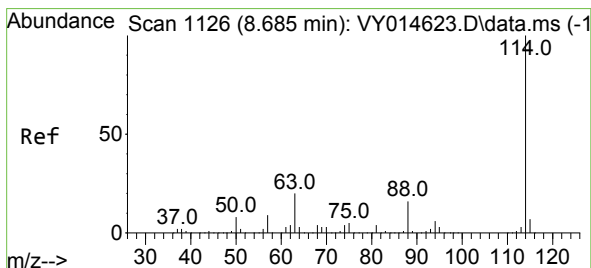
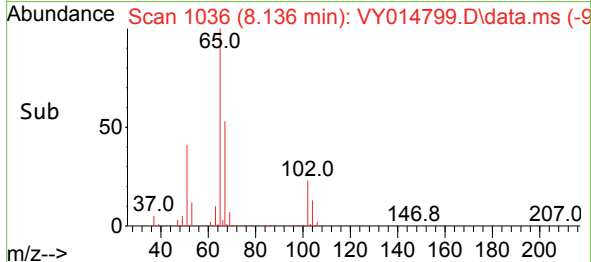
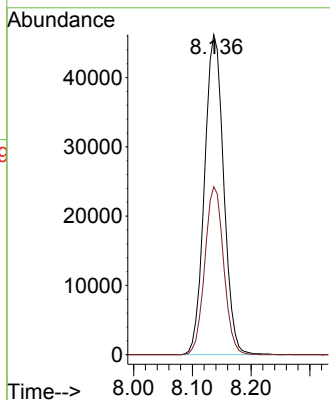
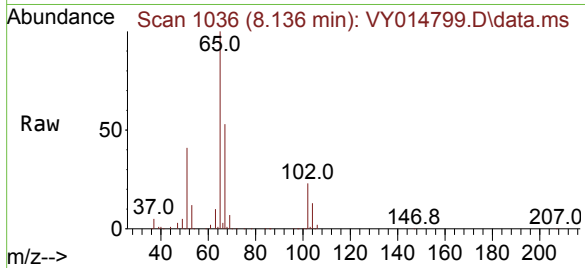




#33
 1,2-Dichloroethane-d4
 Concen: 55.654 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014799.D
 Acq: 25 Jul 2023 14:10

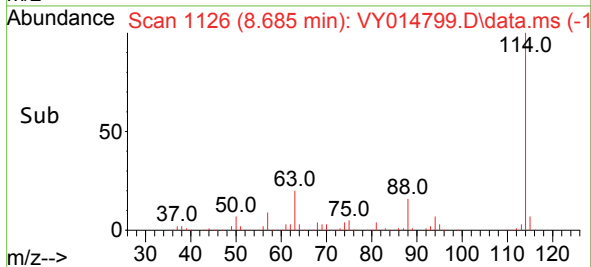
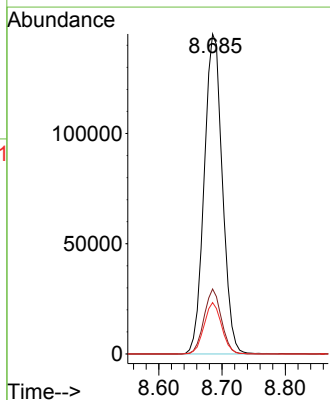
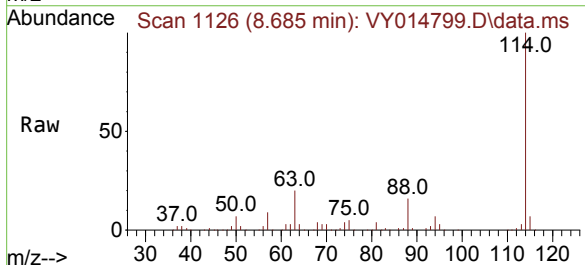
Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-8-GRAB-15

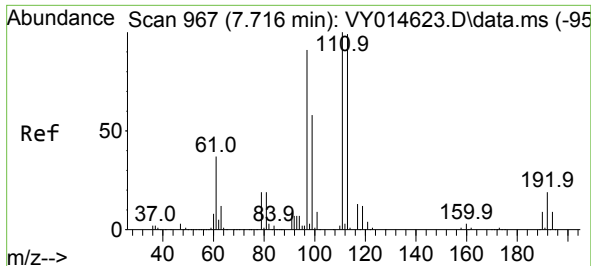
Tgt Ion: 65 Resp: 104649
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014799.D
 Acq: 25 Jul 2023 14:10

Tgt Ion: 114 Resp: 289863
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.4
 88 16.0 0.0 30.6

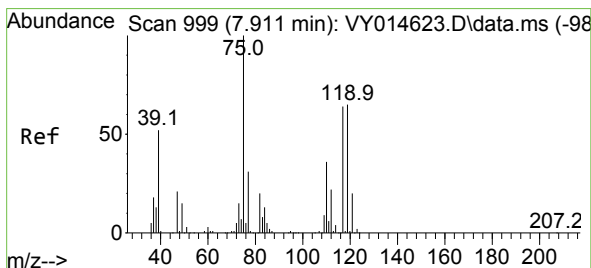
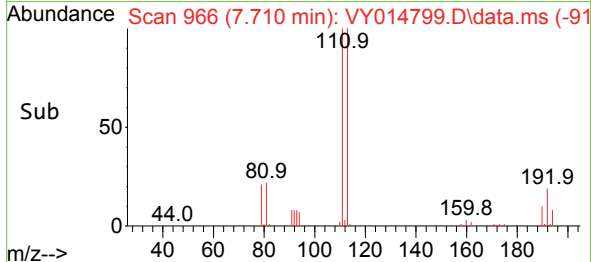
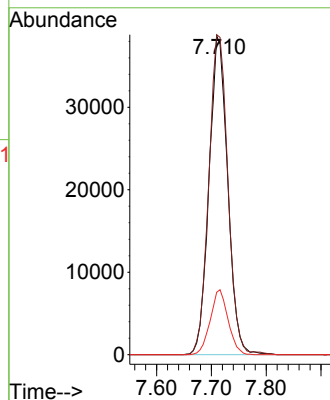
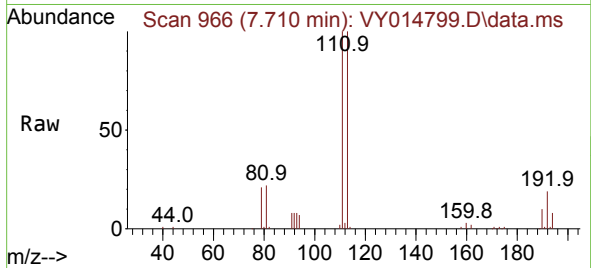




#35
Dibromofluoromethane
Concen: 49.317 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

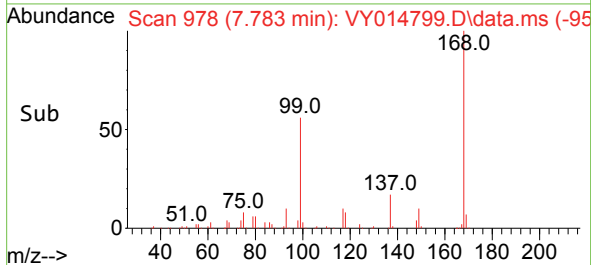
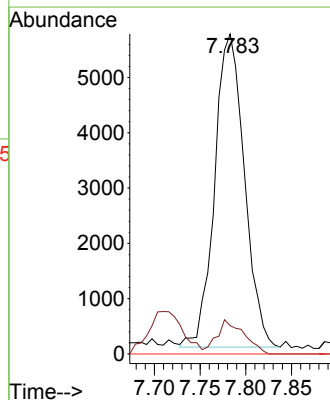
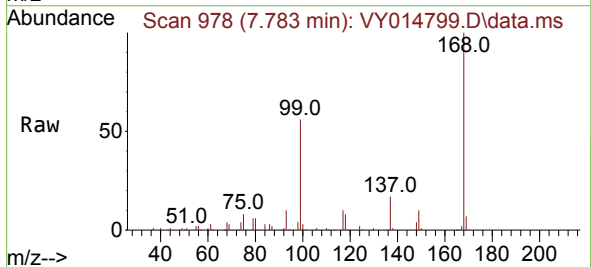
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-8-GRAB-15

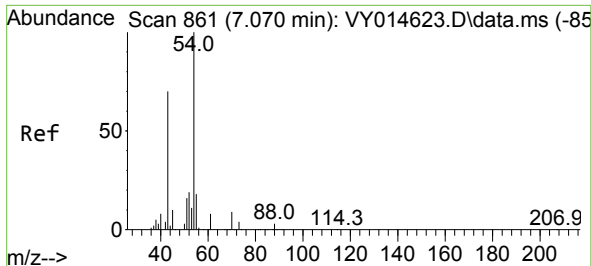
Tgt Ion:113 Resp: 91000
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

Tgt Ion: 75 Resp: 12825
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.274 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY014799.D

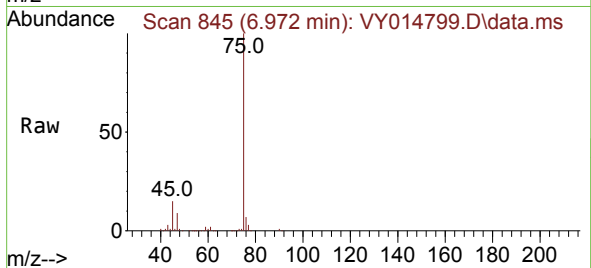
Acq: 25 Jul 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-8-GRAB-15



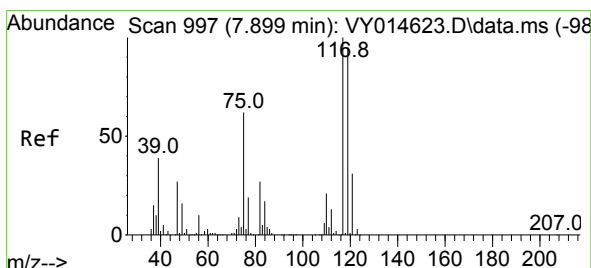
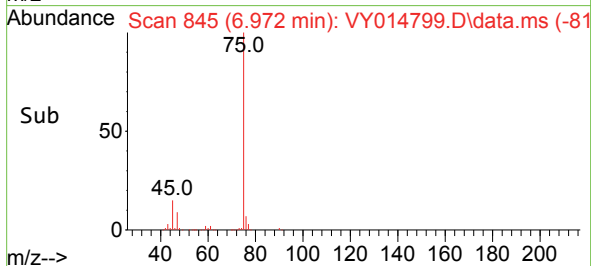
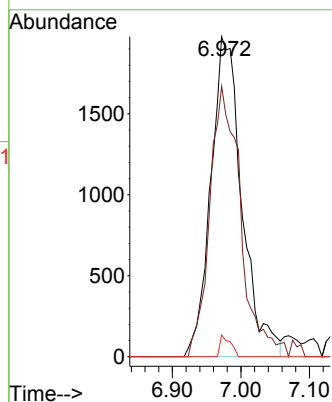
Tgt Ion: 43 Resp: 6220

Ion Ratio Lower Upper

43 100

61 83.8 10.1 15.1#

70 2.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014799.D

Acq: 25 Jul 2023 14:10

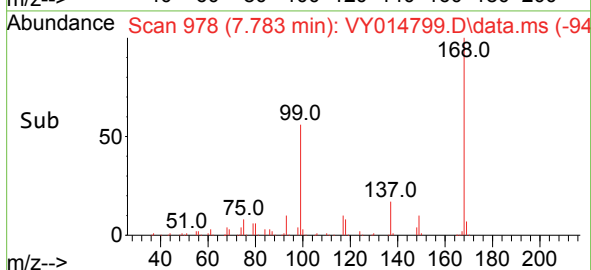
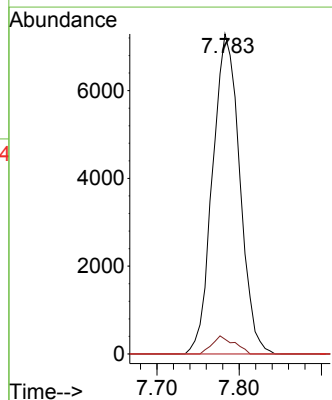
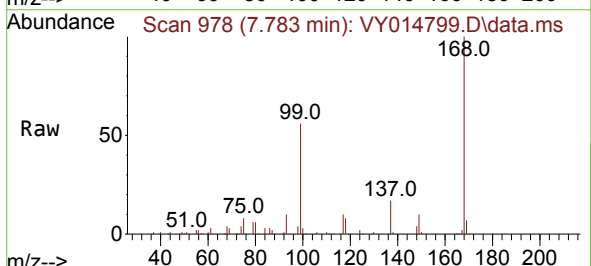
Tgt Ion: 117 Resp: 16755

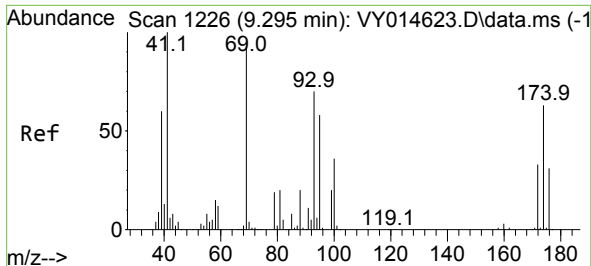
Ion Ratio Lower Upper

117 100

119 4.6 76.4 114.6#

121 0.0 25.8 38.6#





#49

1,4-Dioxane

Concen: 2.269 ug/l

RT: 9.173 min Scan# 1206

Delta R.T. -0.122 min

Lab File: VY014799.D

Acq: 25 Jul 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-8-GRAB-15

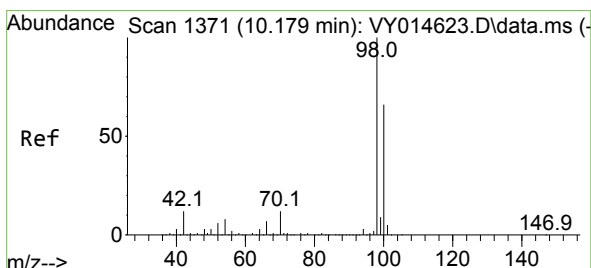
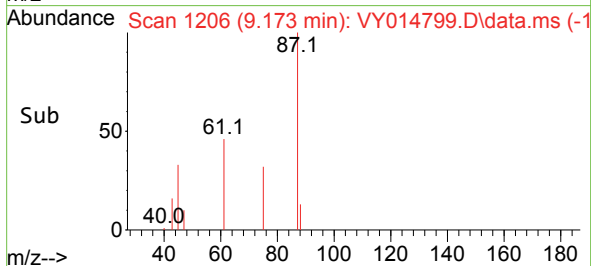
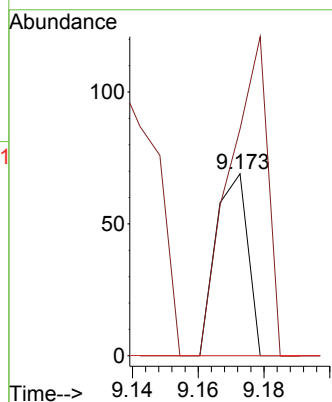
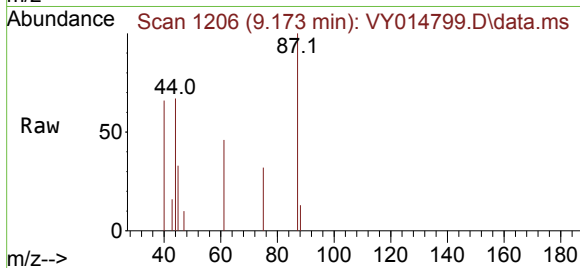
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 210.9 0.0 0.0#

58 0.0 30.9 46.3#



#50

Toluene-d8

Concen: 50.687 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014799.D

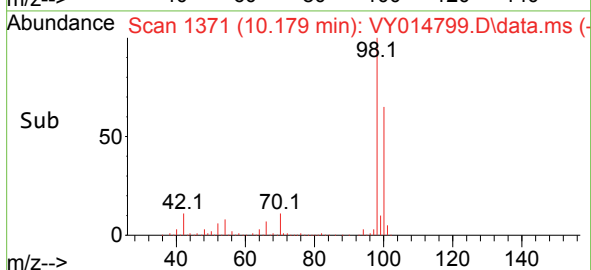
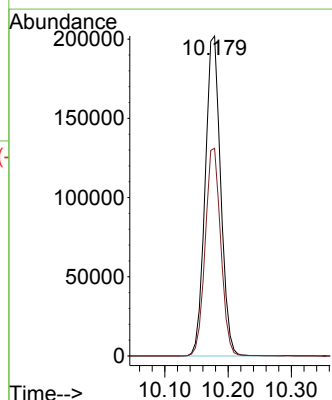
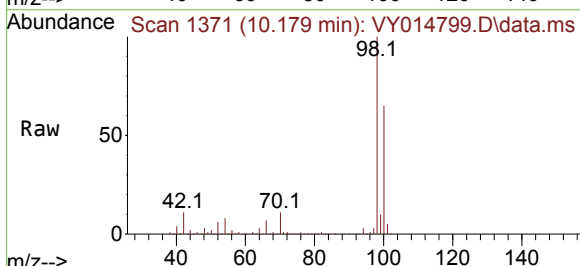
Acq: 25 Jul 2023 14:10

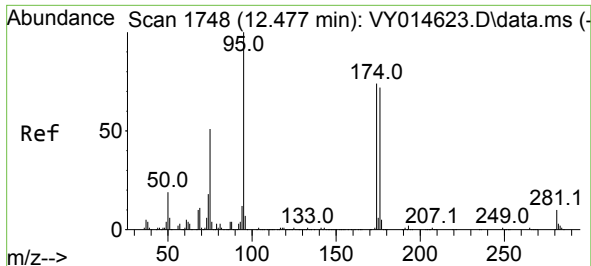
Tgt Ion: 98 Resp: 344819

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1

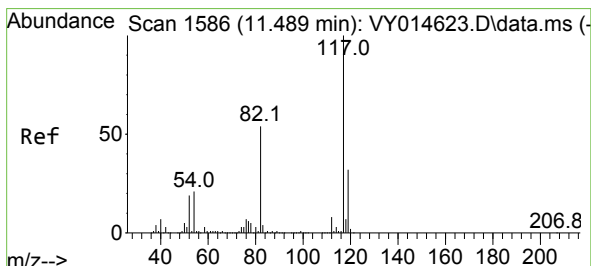
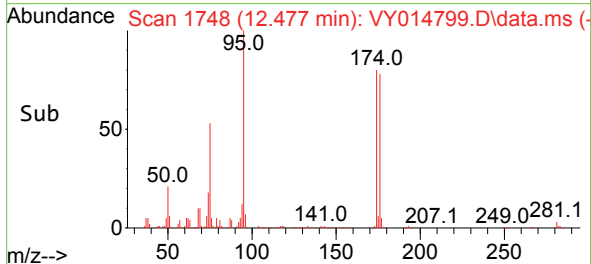
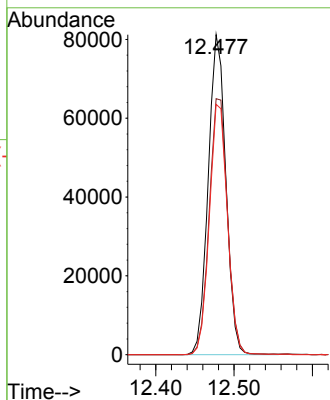
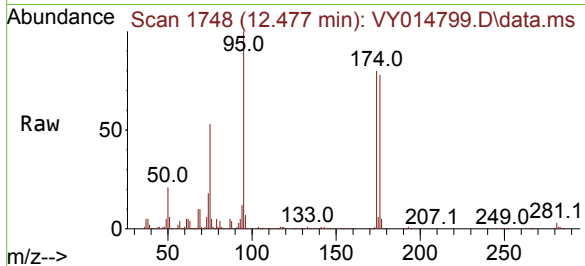




#62
4-Bromofluorobenzene
Concen: 48.686 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

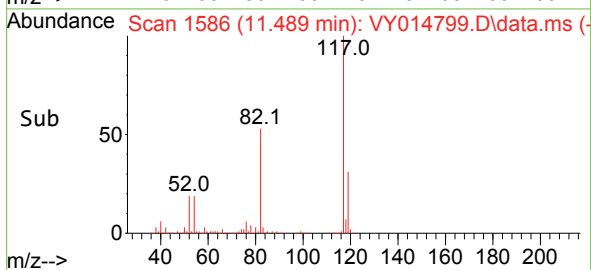
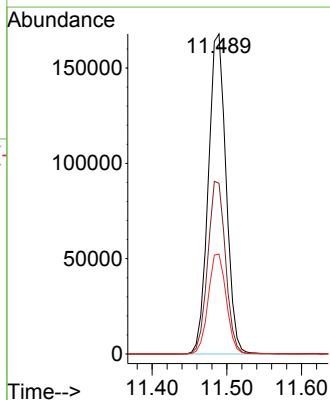
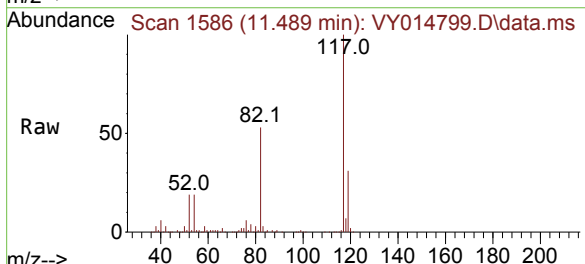
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-8-GRAB-15

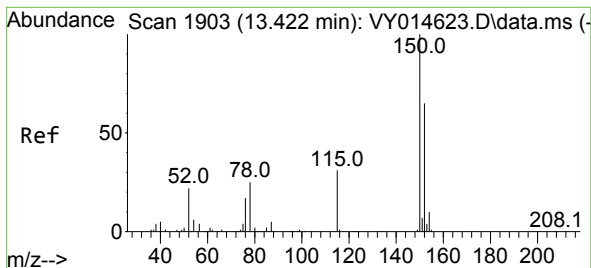
Tgt Ion: 95 Resp: 126995
Ion Ratio Lower Upper
95 100
174 83.2 0.0 178.2
176 80.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014799.D
Acq: 25 Jul 2023 14:10

Tgt Ion: 117 Resp: 277064
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.2 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: VY014799.D

Acq: 25 Jul 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-8-GRAB-15

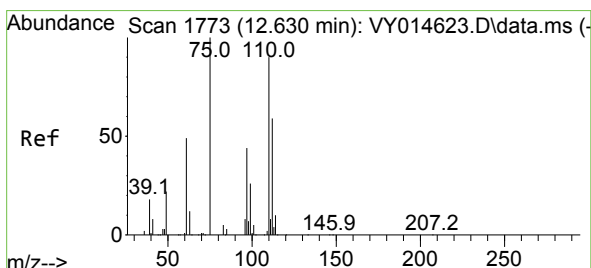
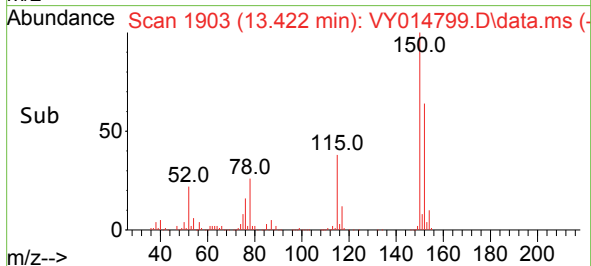
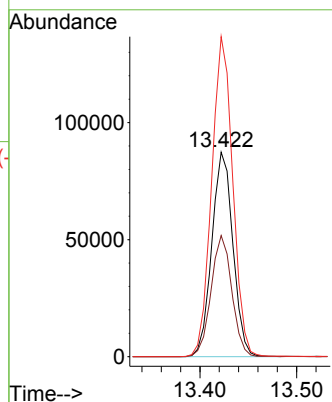
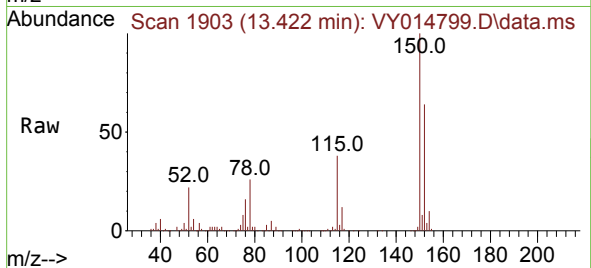
Tgt Ion:152 Resp: 132420

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.630 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014799.D

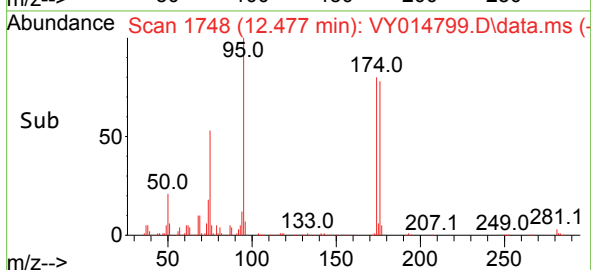
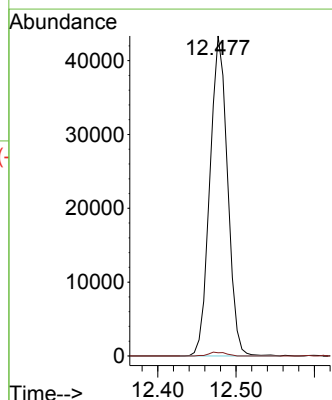
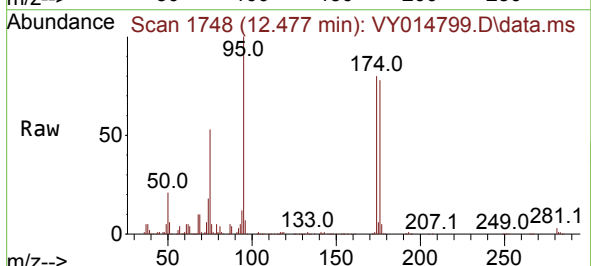
Acq: 25 Jul 2023 14:10

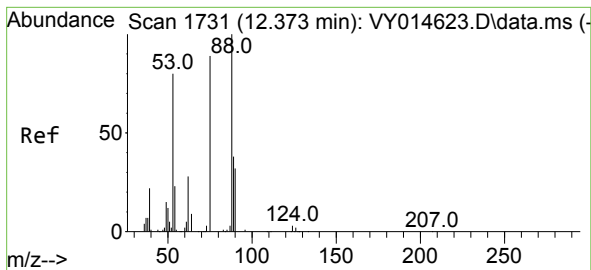
Tgt Ion: 75 Resp: 67951

Ion Ratio Lower Upper

75 100

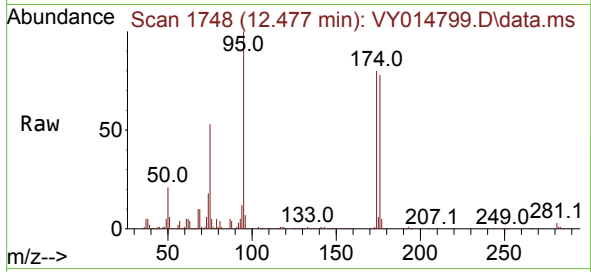
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.667 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014799.D
 Acq: 25 Jul 2023 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-8-GRAB-15



Tgt Ion: 75 Resp: 67951
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

