

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014749.D
 Acq On : 21 Jul 2023 16:07
 Operator : SY/MD
 Sample : 03681-20
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RTP-7-GRAB-13

Quant Time: Jul 22 05:38:30 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)

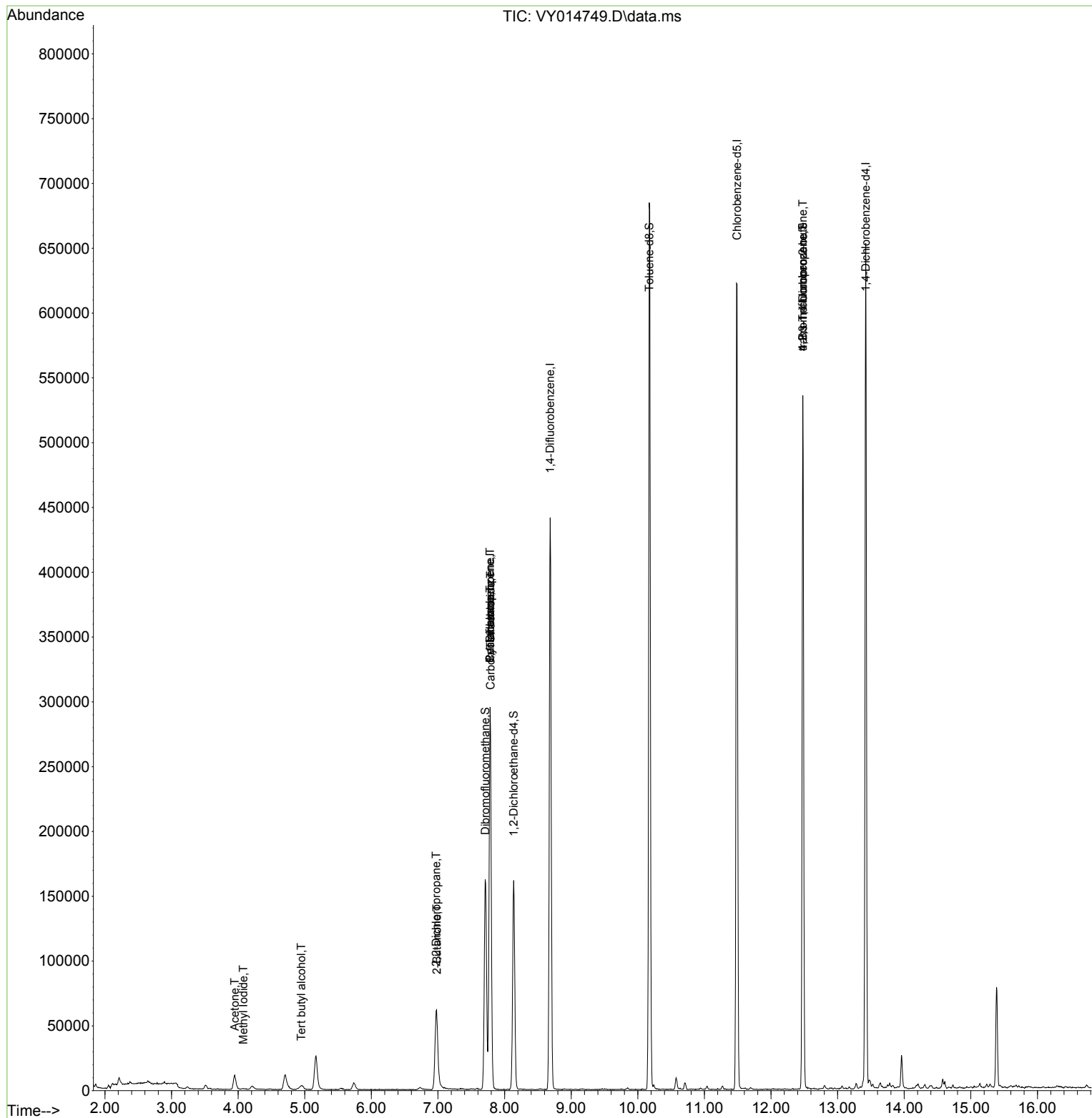
Internal Standards						
1) Pentafluorobenzene	7.783	168	229109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	388425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124126	47.544	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.080%		
35) Dibromofluoromethane	7.709	113	116511	47.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.240%		
50) Toluene-d8	10.172	98	454218	49.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.477	95	163032	46.641	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.280%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	902	2.705	ug/l #	83
11) Tert butyl alcohol	4.948	59	7084	1.458	ug/l #	92
16) Acetone	3.948	43	20223	24.444	ug/l	91
20) Methylene Chloride	4.710	84	8351	Below Cal	#	87
25) 2-Butanone	6.984	43	4566	3.772	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	4615	1.039	ug/l #	54
31) Cyclohexane	7.783	56	4699	1.084	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17825	4.821	ug/l #	49
38) Carbon Tetrachloride	7.789	117	22720	5.813	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	84759	41.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84759	80.135	ug/l #	11

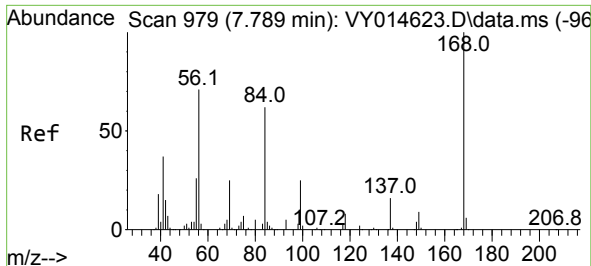
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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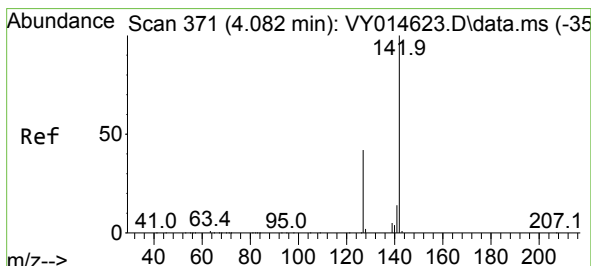
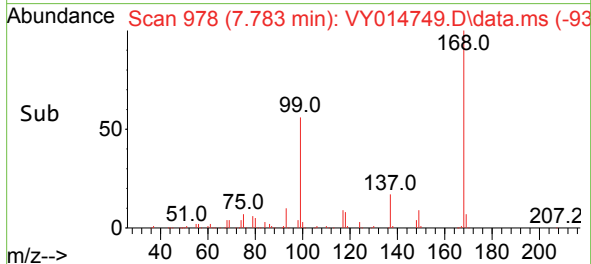
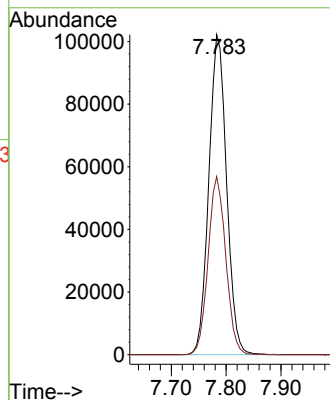
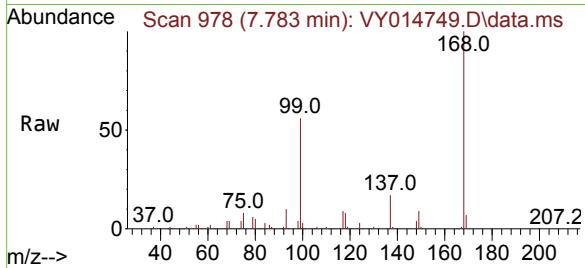




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

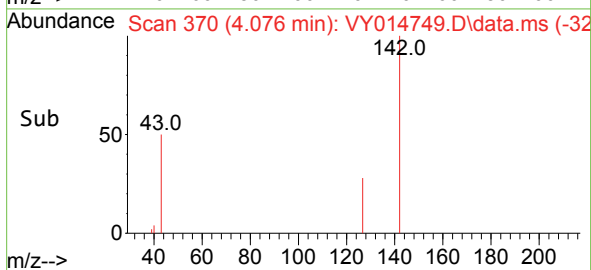
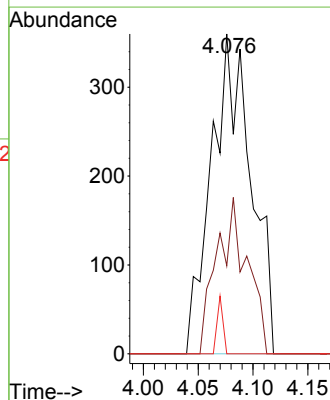
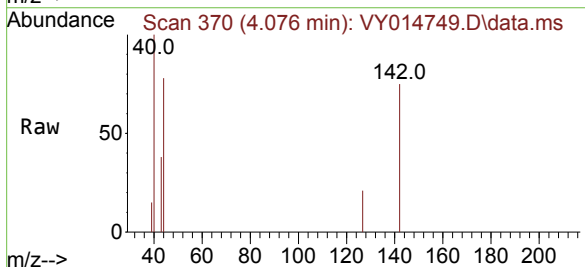
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-7-GRAB-13

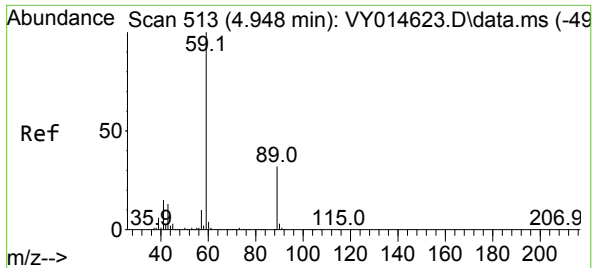
Tgt Ion:168 Resp: 229109
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.705 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion:142 Resp: 902
Ion Ratio Lower Upper
142 100
127 37.8 37.6 56.4
141 2.7 11.8 17.8#

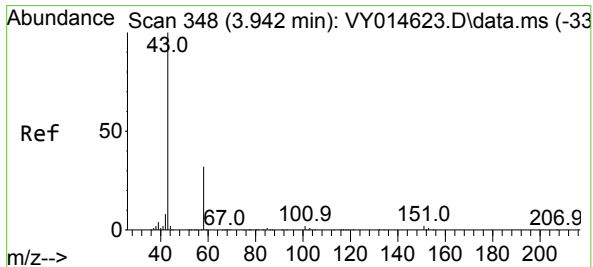
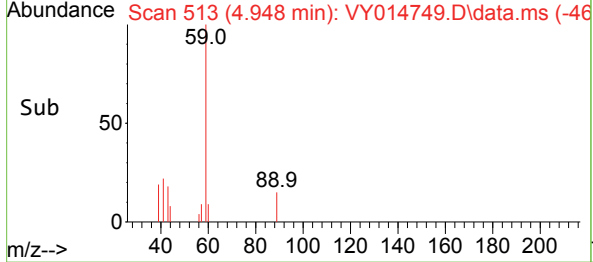
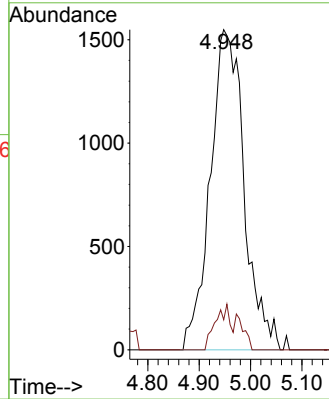
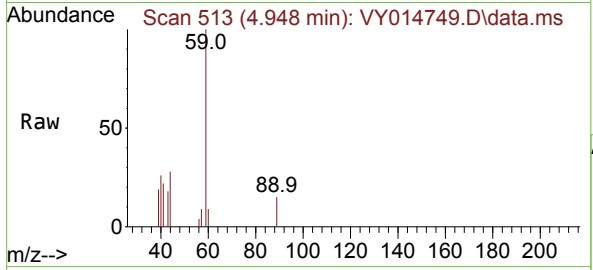




#11
Tert butyl alcohol
Concen: 1.458 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

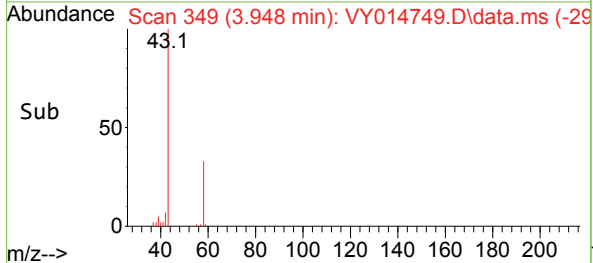
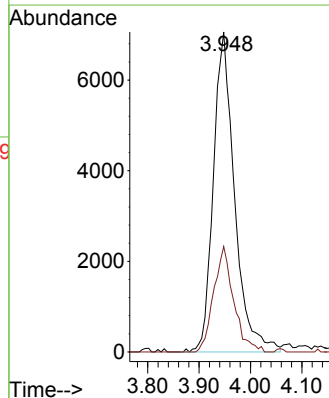
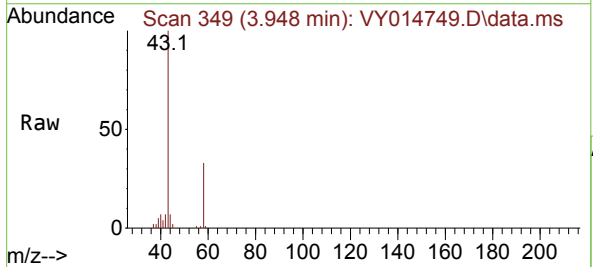
Instrument :
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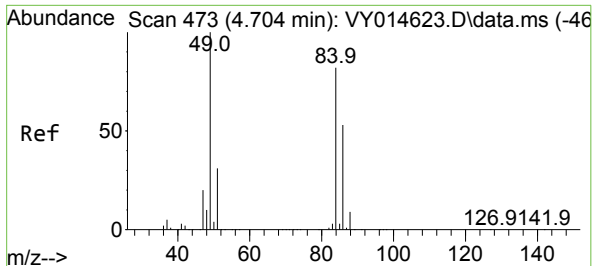
Tgt Ion: 59 Resp: 7084
Ion Ratio Lower Upper
59 100
57 6.2 3.0 4.4#



#16
Acetone
Concen: 24.444 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion: 43 Resp: 20223
Ion Ratio Lower Upper
43 100
58 33.0 22.7 34.1

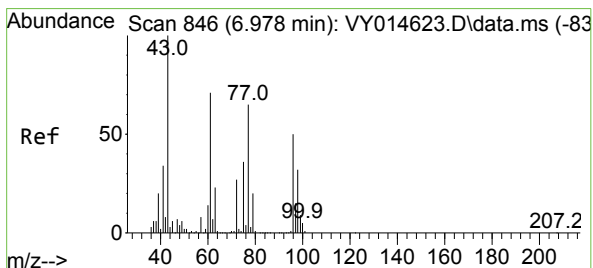
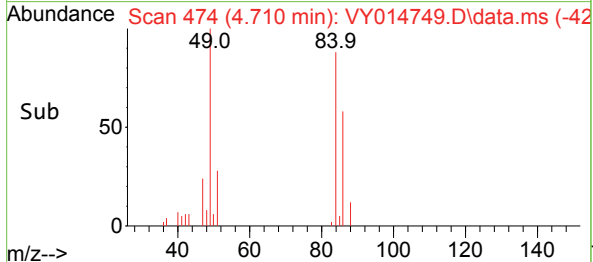
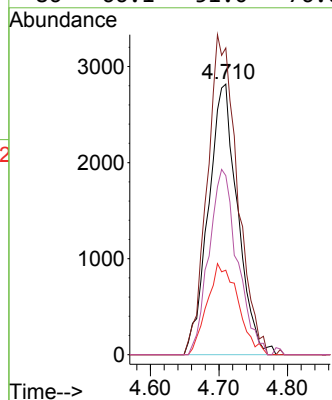
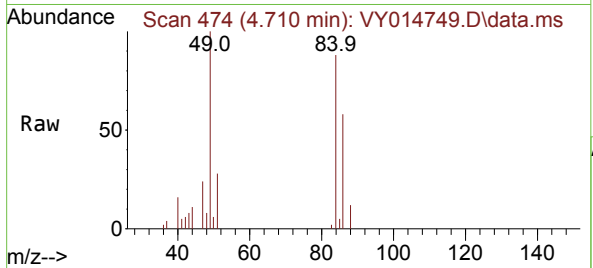




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

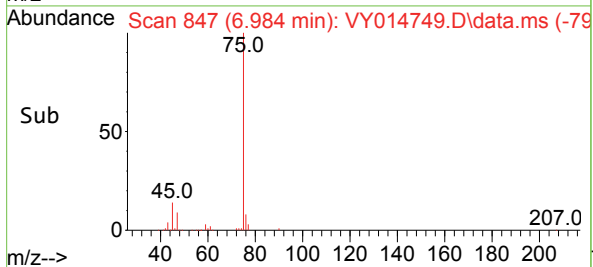
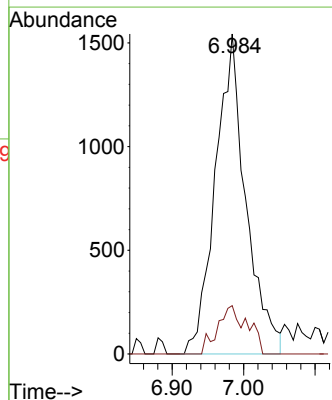
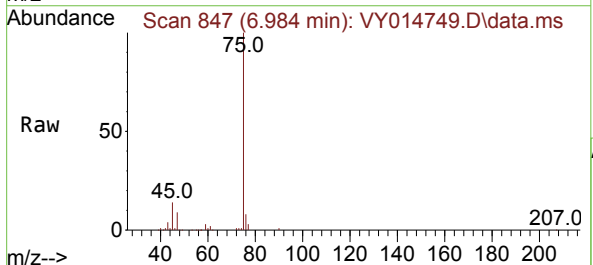
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-7-GRAB-13

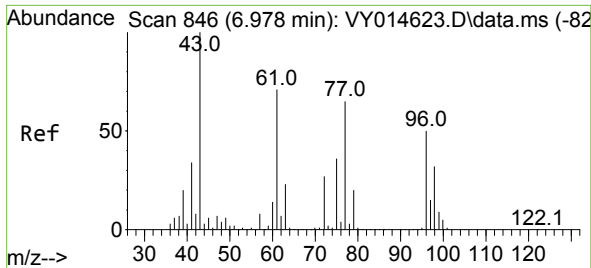
Tgt Ion:	84	Resp:	8351
Ion	Ratio	Lower	Upper
84	100		
49	113.3	106.9	160.3
51	31.2	33.2	49.8#
86	66.1	51.0	76.6



#25
2-Butanone
Concen: 3.772 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion:	43	Resp:	4566
Ion	Ratio	Lower	Upper
43	100		
72	15.1	20.5	30.7#

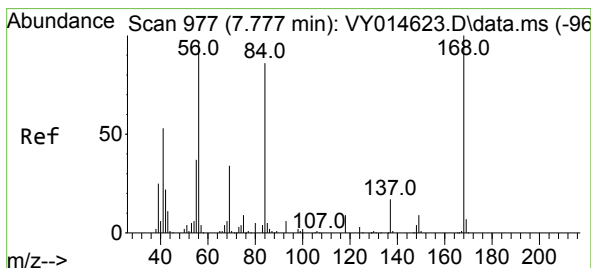
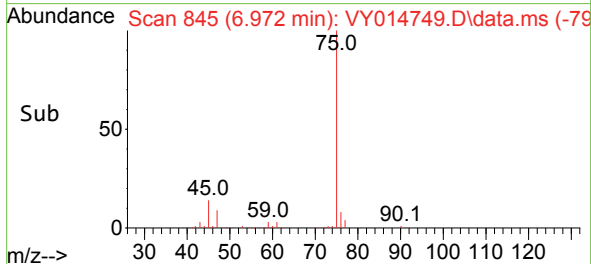
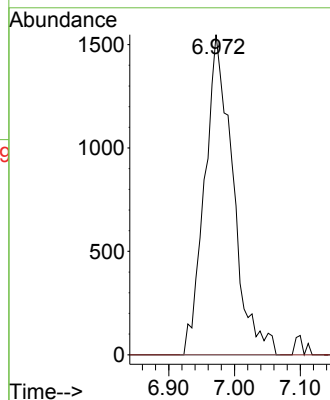
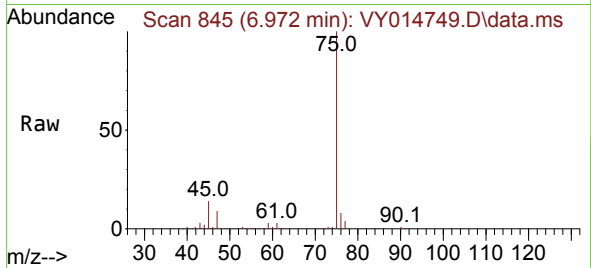




#26
2,2-Dichloropropane
Concen: 1.039 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

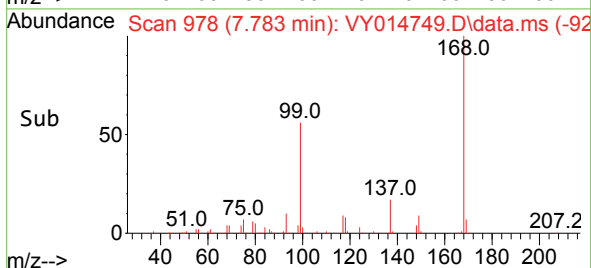
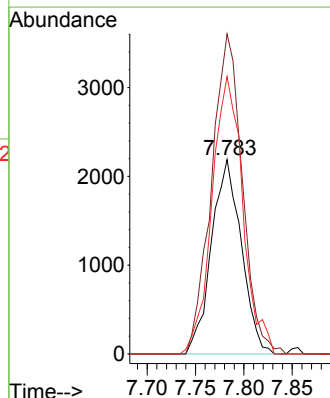
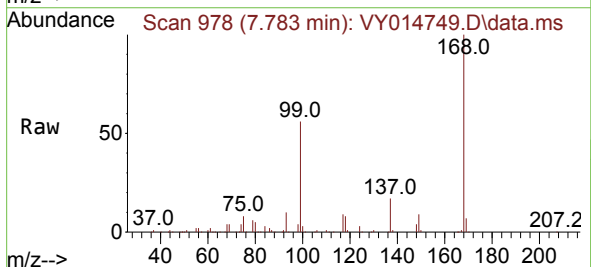
Instrument :
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ClientSampleId :
RPTP-7-GRAB-13

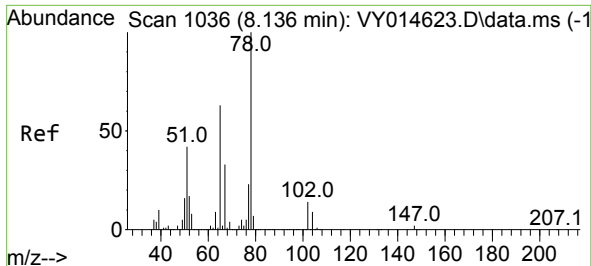
Tgt Ion: 77 Resp: 4615
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion: 56 Resp: 4699
Ion Ratio Lower Upper
56 100
69 164.6 27.8 41.6#
84 142.8 66.4 99.6#

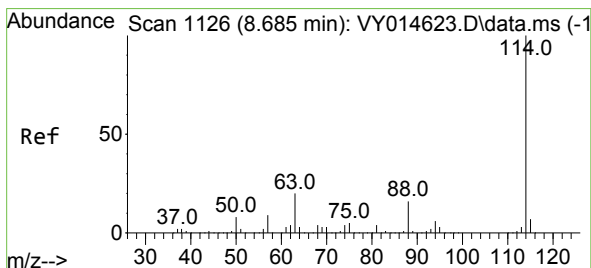
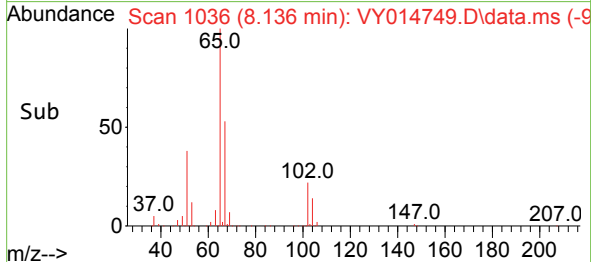
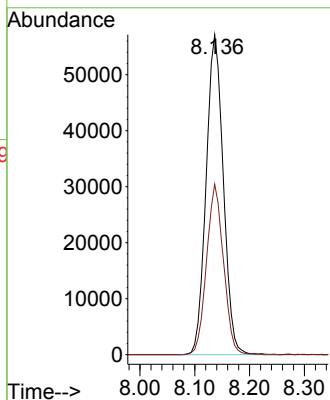
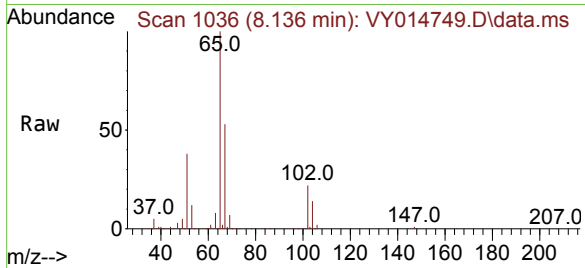




#33
 1,2-Dichloroethane-d4
 Concen: 47.544 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014749.D
 Acq: 21 Jul 2023 16:07

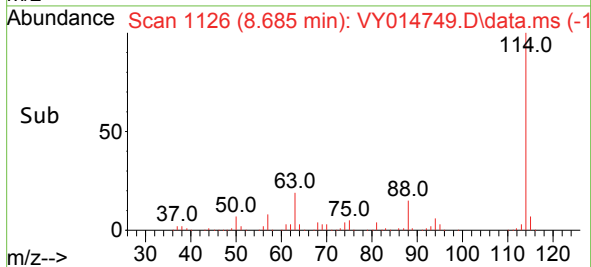
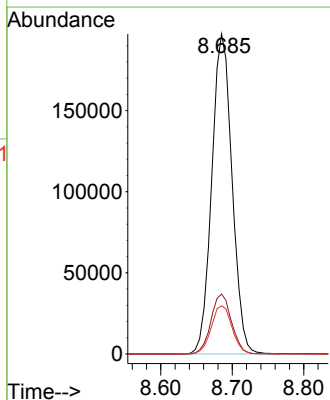
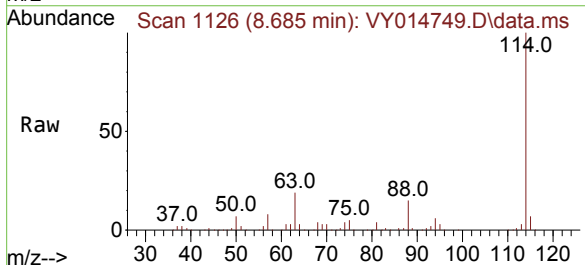
Instrument :
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 RPTP-7-GRAB-13

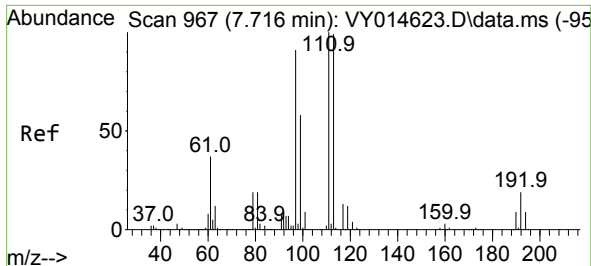
Tgt Ion: 65 Resp: 124126
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY014749.D
 Acq: 21 Jul 2023 16:07

Tgt Ion:114 Resp: 388425
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.4
 88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.120 ug/l

RT: 7.709 min Scan# 91

Delta R.T. -0.007 min

Lab File: VY014749.D

Acq: 21 Jul 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-7-GRAB-13

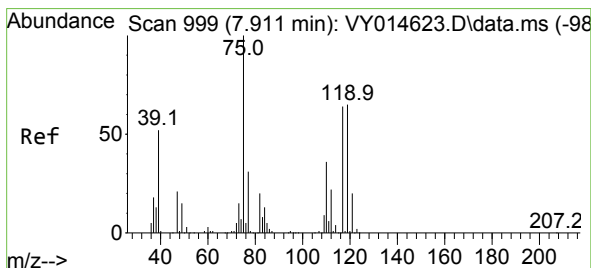
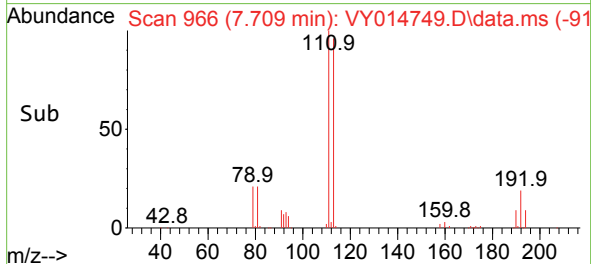
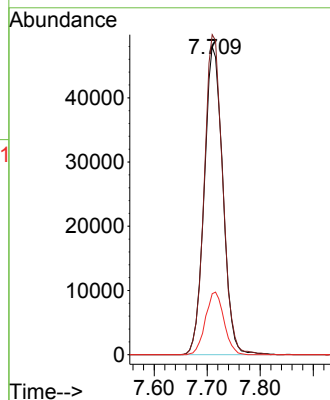
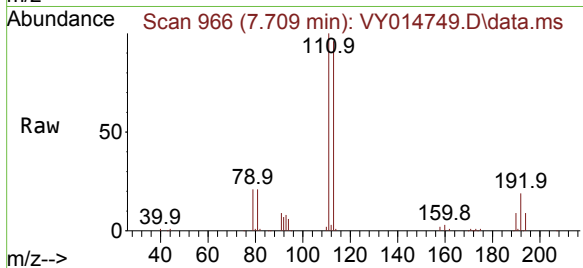
Tgt Ion:113 Resp: 116511

Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.821 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY014749.D

Acq: 21 Jul 2023 16:07

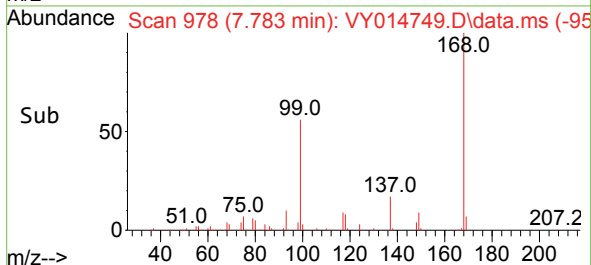
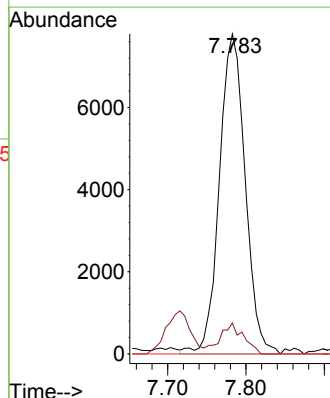
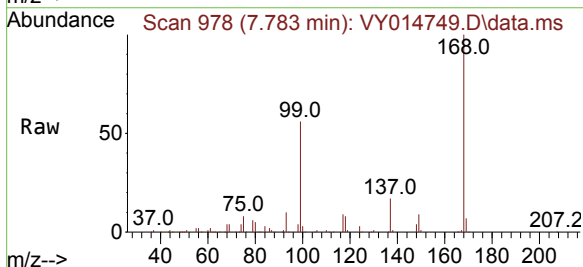
Tgt Ion: 75 Resp: 17825

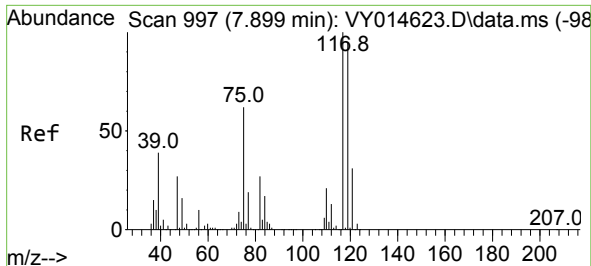
Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

77 0.0 24.4 36.6#

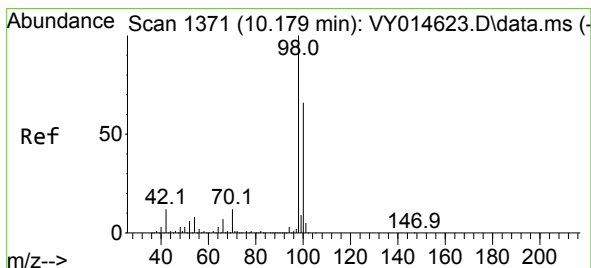
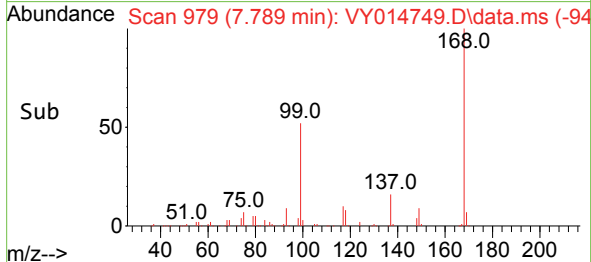
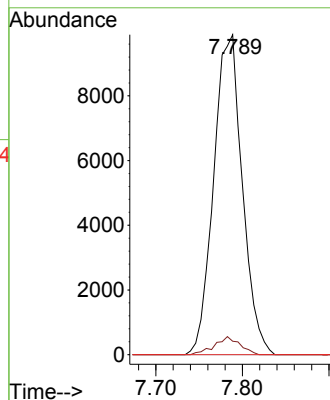
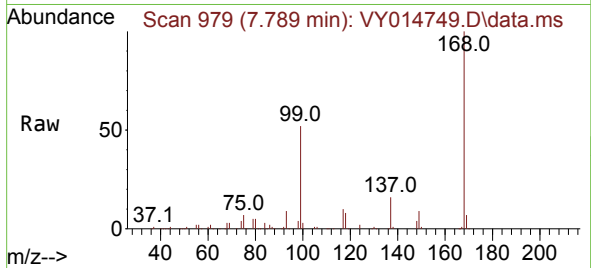




#38
Carbon Tetrachloride
Concen: 5.813 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

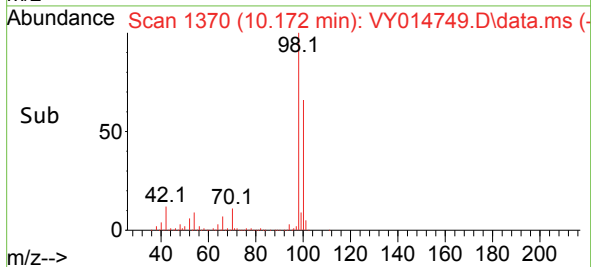
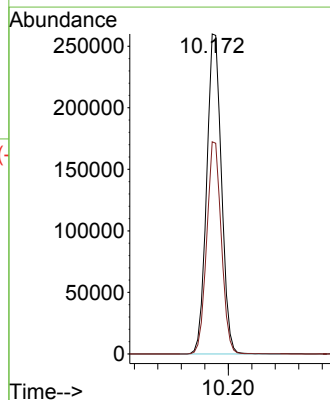
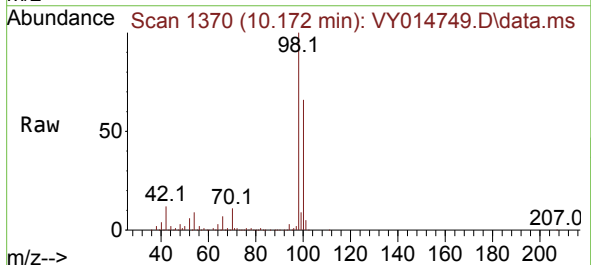
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RPTP-7-GRAB-13

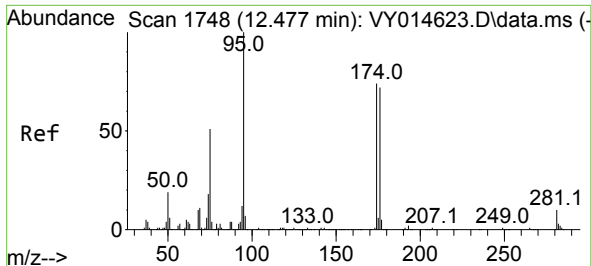
Tgt Ion:117 Resp: 22720
Ion Ratio Lower Upper
117 100
119 4.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.826 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion: 98 Resp: 454218
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

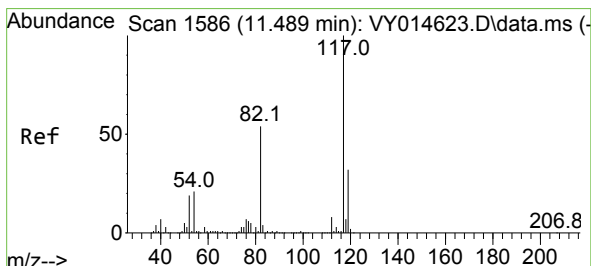
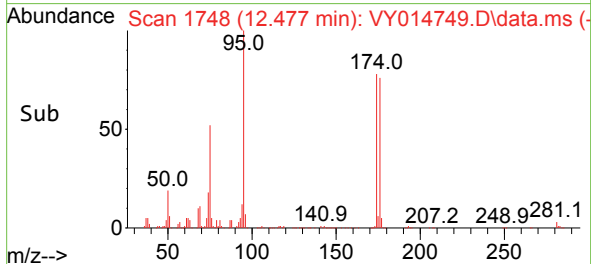
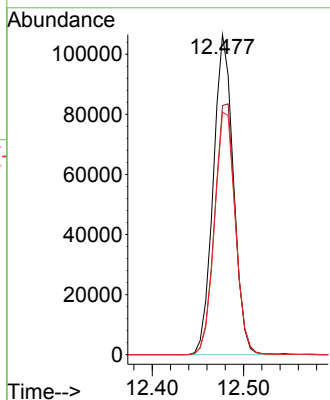
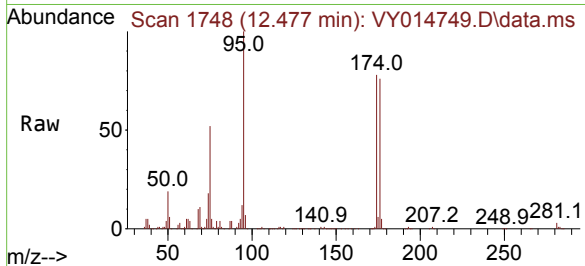




#62
4-Bromofluorobenzene
Concen: 46.641 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

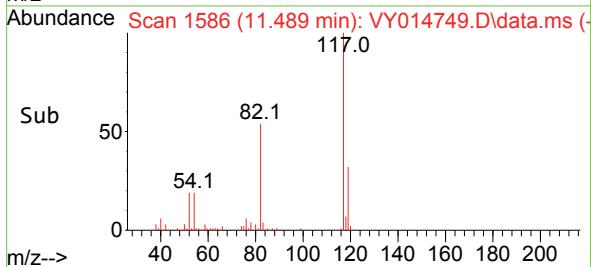
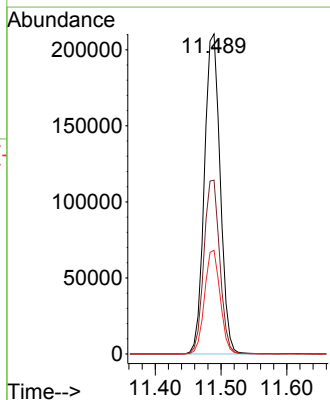
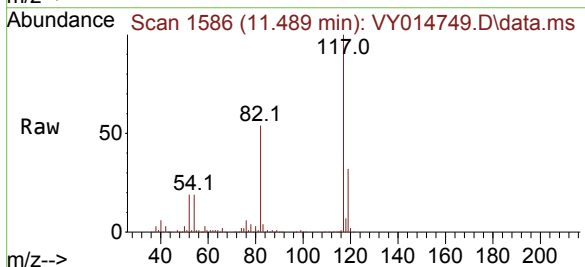
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-7-GRAB-13

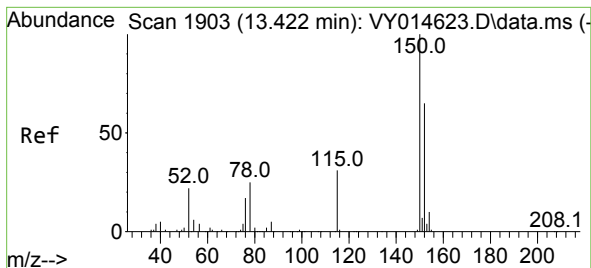
Tgt Ion: 95 Resp: 163032
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 78.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014749.D
Acq: 21 Jul 2023 16:07

Tgt Ion: 117 Resp: 352596
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.4 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: VY014749.D

Acq: 21 Jul 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-7-GRAB-13

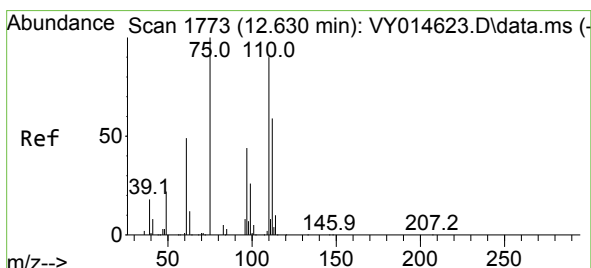
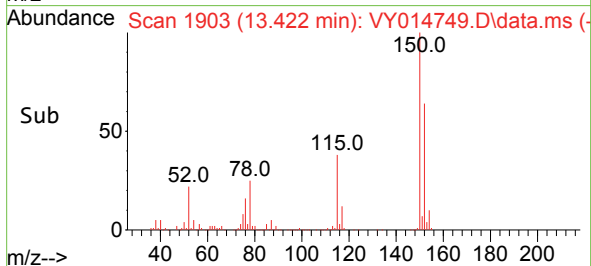
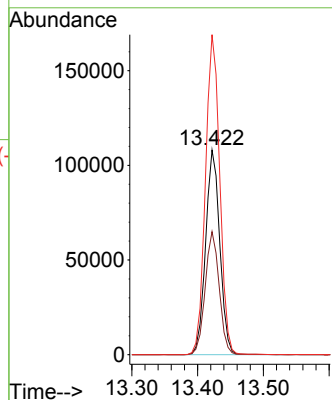
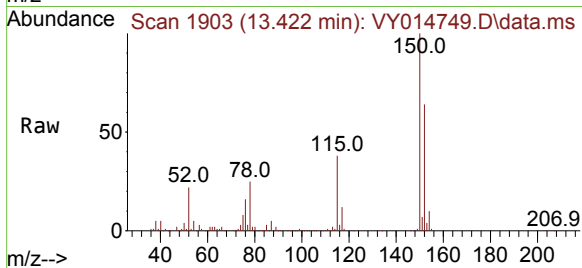
Tgt Ion:152 Resp: 162149

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 157.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.388 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014749.D

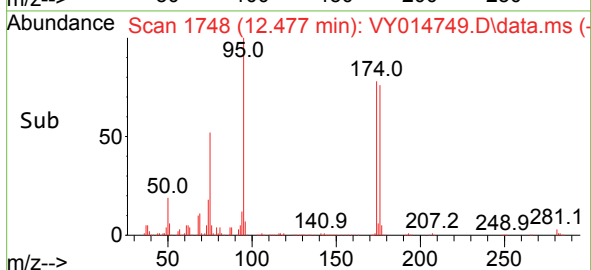
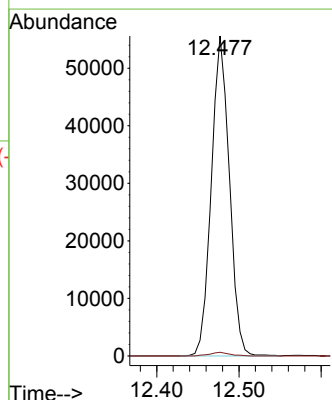
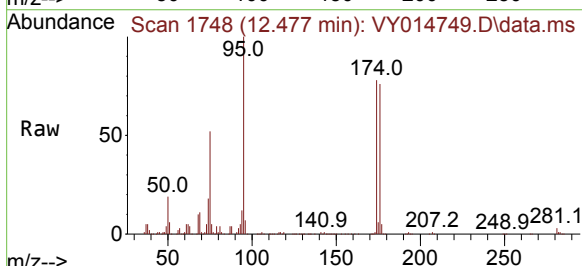
Acq: 21 Jul 2023 16:07

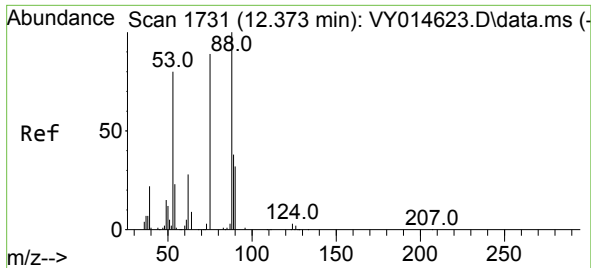
Tgt Ion: 75 Resp: 84759

Ion Ratio Lower Upper

75 100

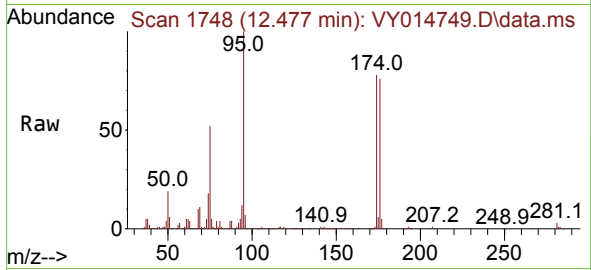
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.135 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014749.D
 Acq: 21 Jul 2023 16:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-7-GRAB-13



Tgt Ion: 75 Resp: 84759
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

