

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072123\
 Data File : VY014737.D
 Acq On : 21 Jul 2023 11:23
 Operator : SY/MD
 Sample : 03681-08
 Misc : 2.38g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-3-GRAB-5

Quant Time: Jul 22 05:33:31 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)

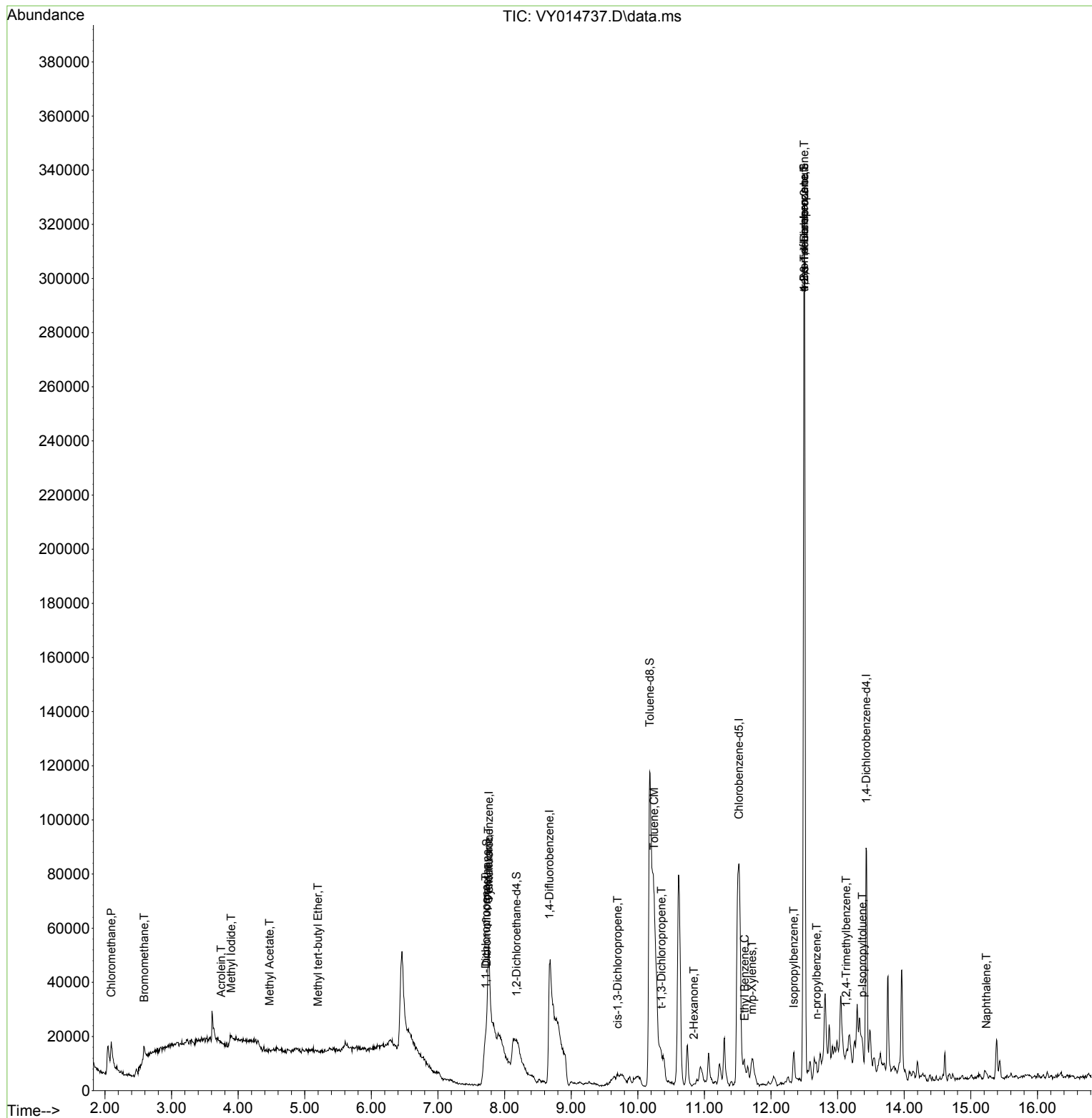
Internal Standards						
1) Pentafluorobenzene	7.764	168	39054	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.673	114	100372	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.520	117	93635	50.000	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.428	152	23483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.179	65	53969	121.269	ug/l	0.04
Spiked Amount	50.000	Range	50 - 163	Recovery	=	242.540%#
35) Dibromofluoromethane	7.734	113	9043	14.153	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	28.300%#
50) Toluene-d8	10.178	98	225644	95.788	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	191.580%#
62) 4-Bromofluorobenzene	12.495	95	29594	32.764	ug/l	0.02
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.095	50	10632	29.726	ug/l	97
5) Bromomethane	2.588	94	3822	14.468	ug/l	97
10) Methyl Iodide	3.893	142	9371	22.834	ug/l	96
11) Tert butyl alcohol	4.942	59	213	Below Cal	#	1
13) Acrolein	3.747	56	173	3.719	ug/l #	1
18) Methyl Acetate	4.472	43	823	1.521	ug/l #	75
19) Methyl tert-butyl Ether	5.198	73	1296	1.037	ug/l #	54
20) Methylene Chloride	4.698	84	87	Below Cal	#	40
31) Cyclohexane	7.758	56	827	1.119	ug/l #	48
36) 1,1-Dichloropropene	7.715	75	6594	6.901	ug/l #	41
52) Toluene	10.246	92	4418	2.541	ug/l #	1
53) t-1,3-Dichloropropene	10.355	75	5176	4.664	ug/l #	55
54) cis-1,3-Dichloropropene	9.697	75	2107	1.746	ug/l #	34
59) 2-Hexanone	10.843	43	831	1.732	ug/l #	27
67) Ethyl Benzene	11.605	91	5478	1.521	ug/l	98
68) m/p-Xylenes	11.715	106	3654	2.657	ug/l	88
73) Isopropylbenzene	12.343	105	4850	2.638	ug/l	99
76) 1,2,3-Trichloropropane	12.501	75	18215	61.416	ug/l #	100
78) n-propylbenzene	12.684	91	4982	2.249	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.501	75	18215	118.912	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.129	105	1851	1.228	ug/l	97
86) p-Isopropyltoluene	13.373	119	4479	2.745	ug/l #	84
95) Naphthalene	15.232	128	1955	1.766	ug/l #	88

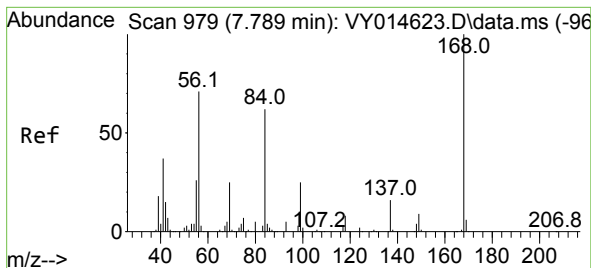
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RPTP-3-GRAB-5

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Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
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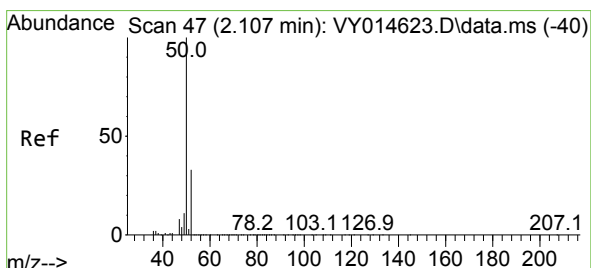
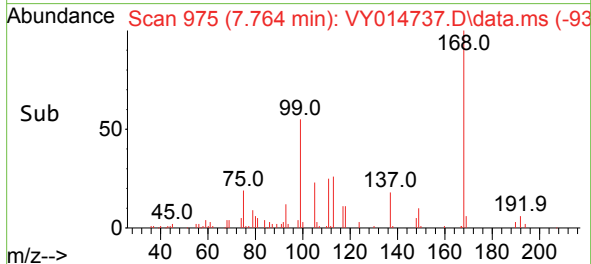
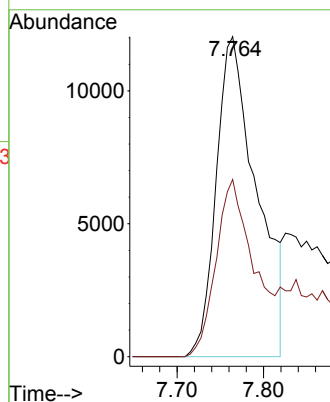
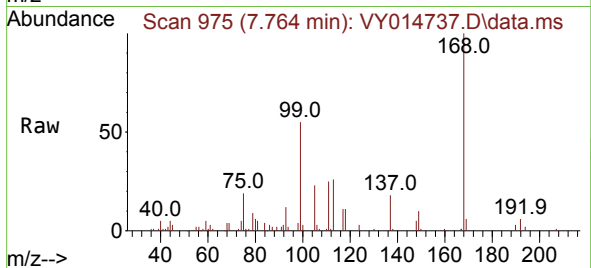




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.764 min Scan# 91
Delta R.T. -0.025 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

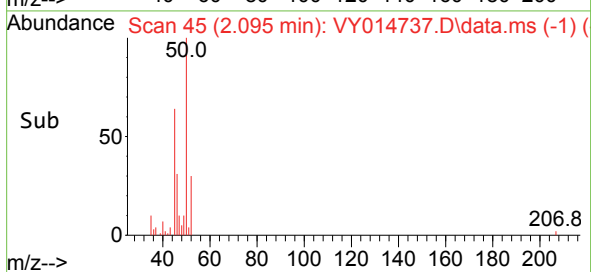
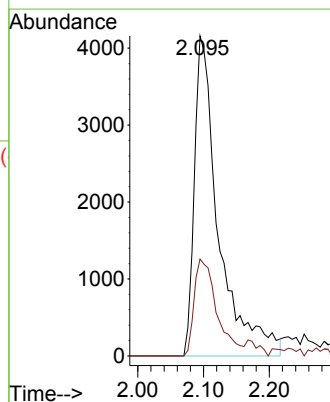
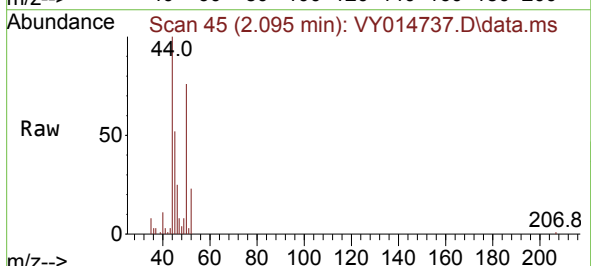
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

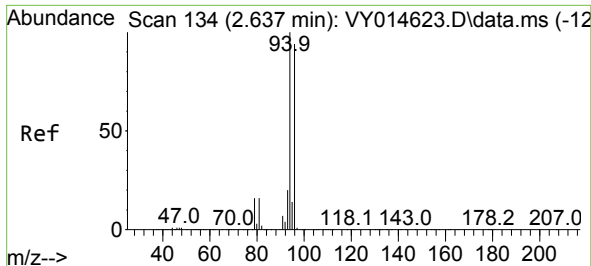
Tgt Ion:168 Resp: 39054
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#3
Chloromethane
Concen: 29.726 ug/l
RT: 2.095 min Scan# 45
Delta R.T. -0.012 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 50 Resp: 10632
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.2

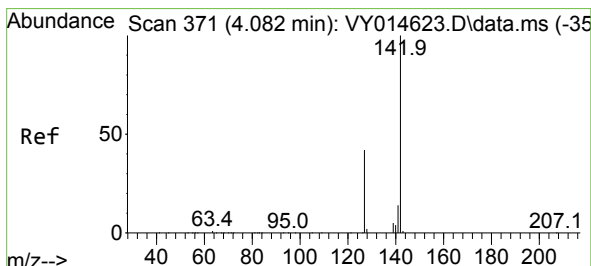
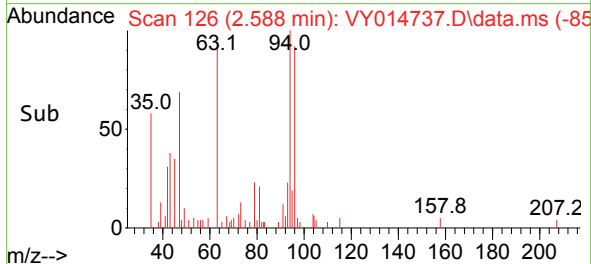
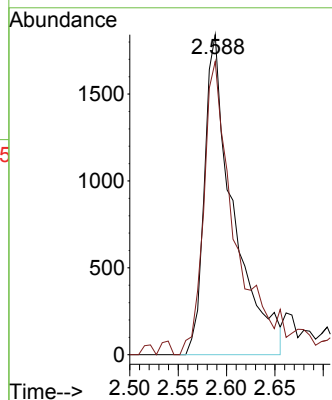
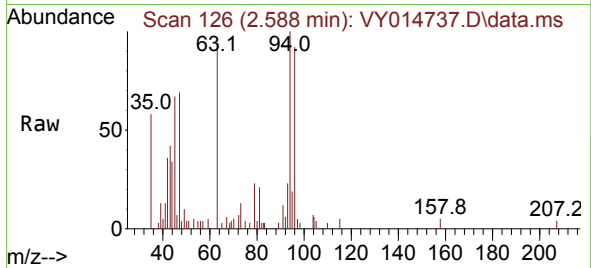




#5
Bromomethane
Concen: 14.468 ug/l
RT: 2.588 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

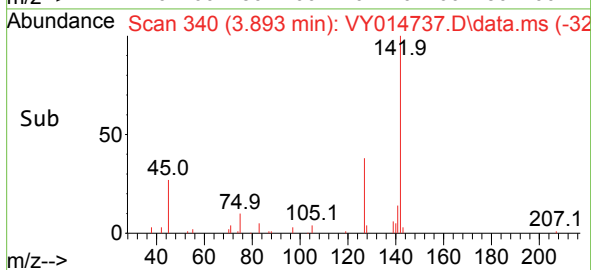
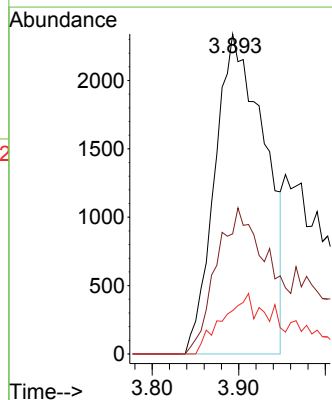
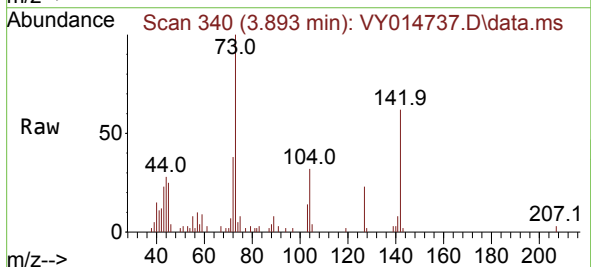
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

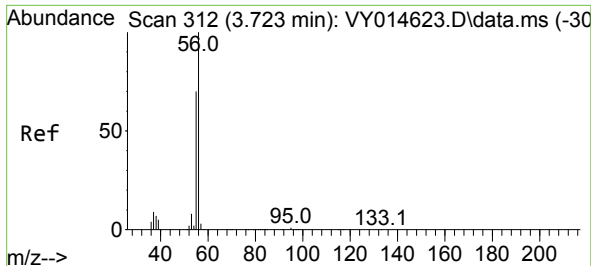
Tgt Ion: 94 Resp: 3822
Ion Ratio Lower Upper
94 100
96 91.6 75.8 113.6



#10
Methyl Iodide
Concen: 22.834 ug/l
RT: 3.893 min Scan# 340
Delta R.T. -0.189 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion:142 Resp: 9371
Ion Ratio Lower Upper
142 100
127 49.0 37.6 56.4
141 17.6 11.8 17.8

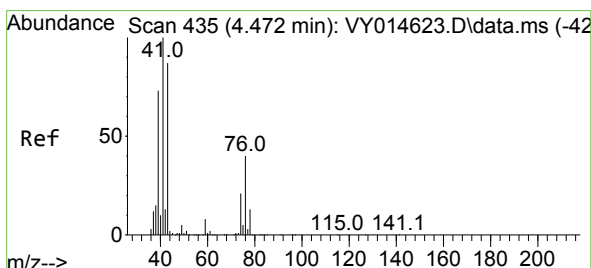
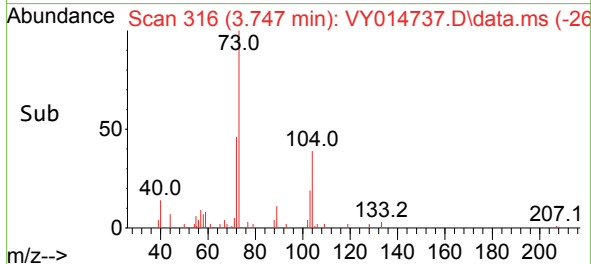
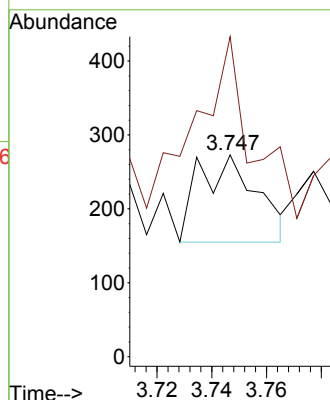
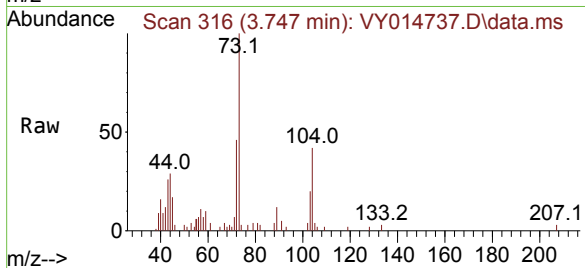




#13
Acrolein
Concen: 3.719 ug/l
RT: 3.747 min Scan# 312
Delta R.T. 0.024 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

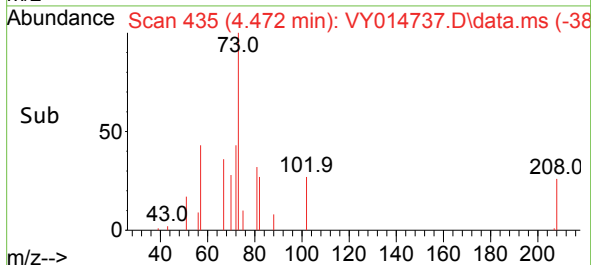
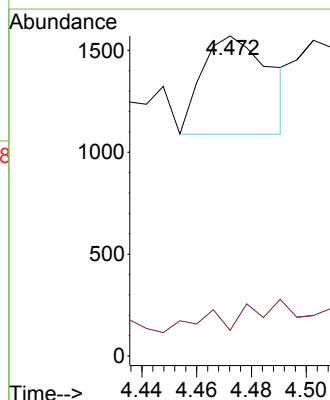
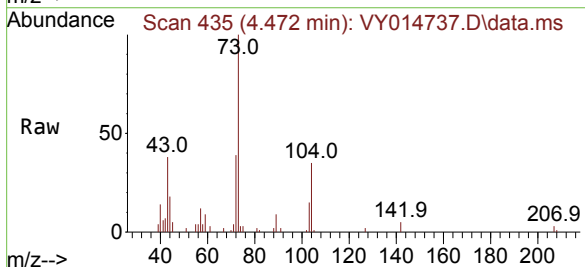
Instrument :
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ClientSampleId :
RPTP-3-GRAB-5

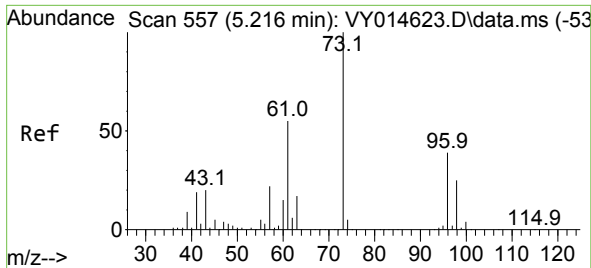
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 202.3 57.0 85.4#



#18
Methyl Acetate
Concen: 1.521 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
74 10.0 17.4 26.0#

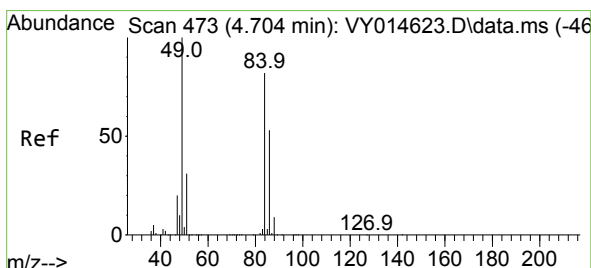
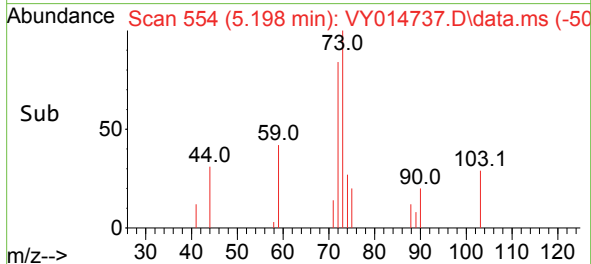
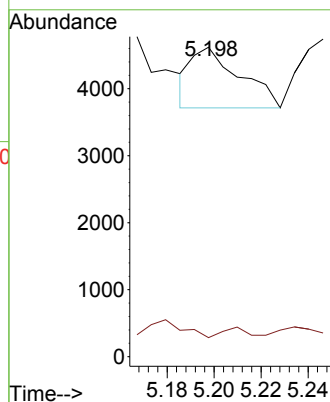
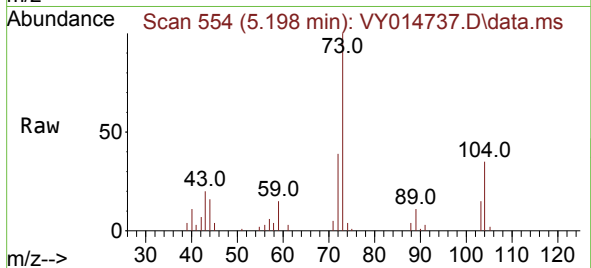




#19
Methyl tert-butyl Ether
Concen: 1.037 ug/l
RT: 5.198 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

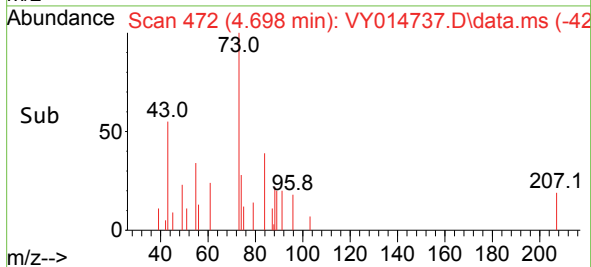
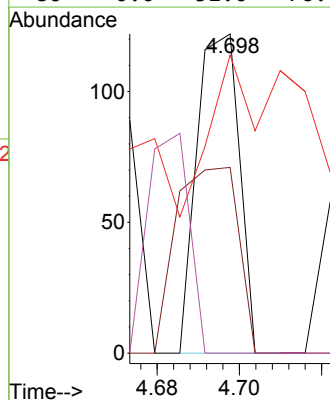
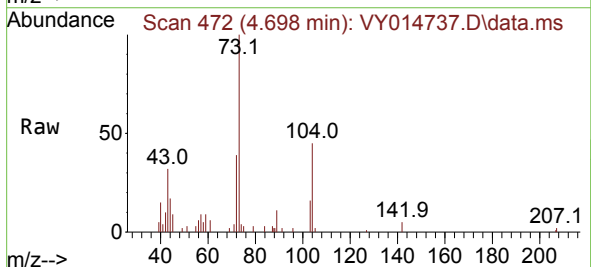
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

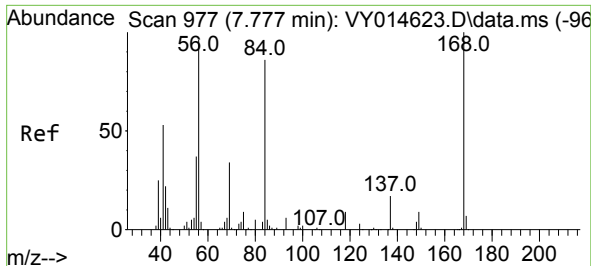
Tgt Ion: 73 Resp: 1296
Ion Ratio Lower Upper
73 100
57 0.0 17.3 25.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 84 Resp: 87
Ion Ratio Lower Upper
84 100
49 58.2 106.9 160.3#
51 50.8 33.2 49.8#
86 0.0 51.0 76.6#

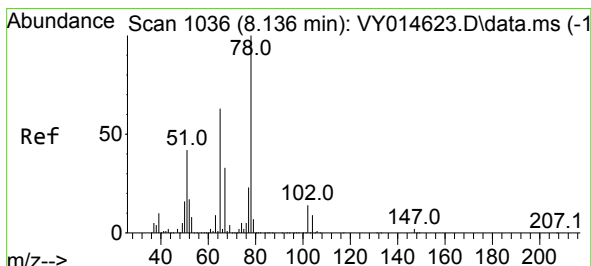
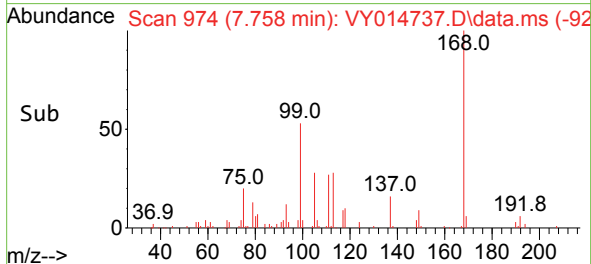
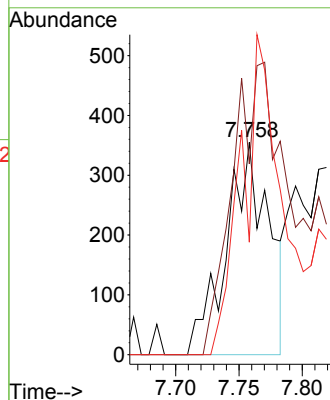
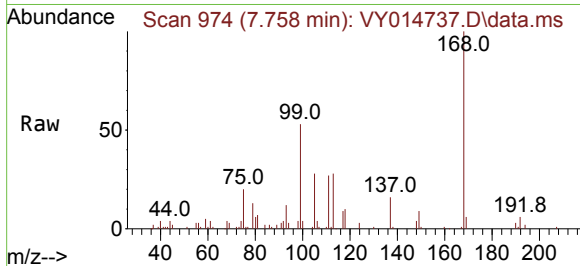




#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.758 min Scan# 91
Delta R.T. -0.019 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

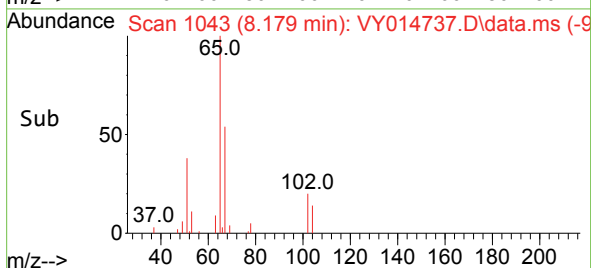
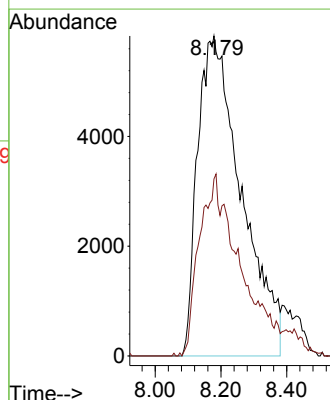
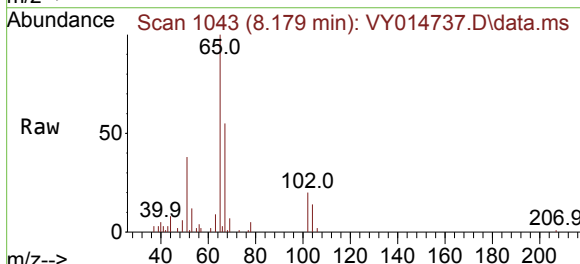
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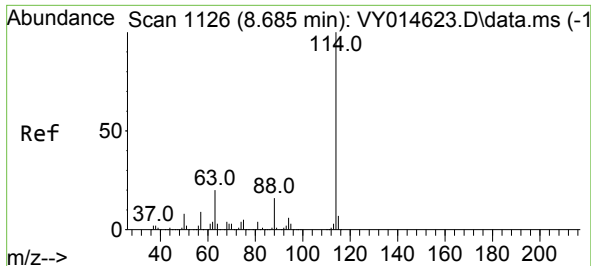
Tgt Ion: 56 Resp: 827
Ion Ratio Lower Upper
56 100
69 89.9 27.8 41.6#
84 53.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 121.269 ug/l
RT: 8.179 min Scan# 1043
Delta R.T. 0.043 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 65 Resp: 53969
Ion Ratio Lower Upper
65 100
67 25.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.673 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

RPTP-3-GRAB-5

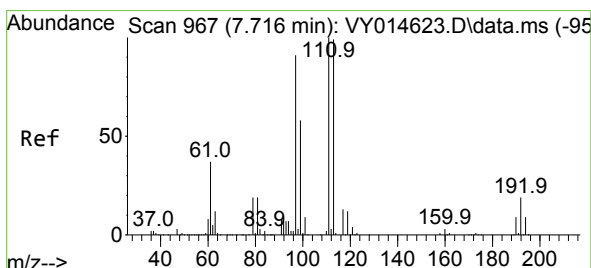
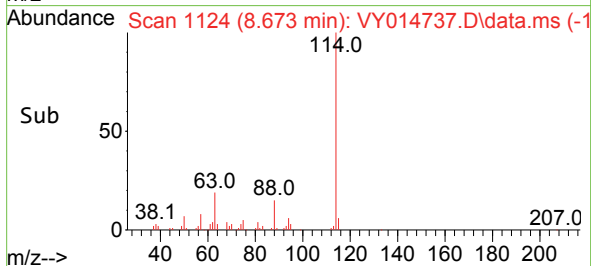
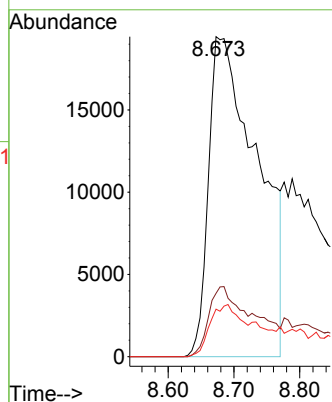
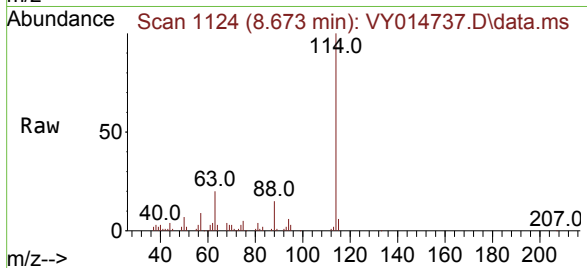
Tgt Ion:114 Resp: 100372

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 14.153 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

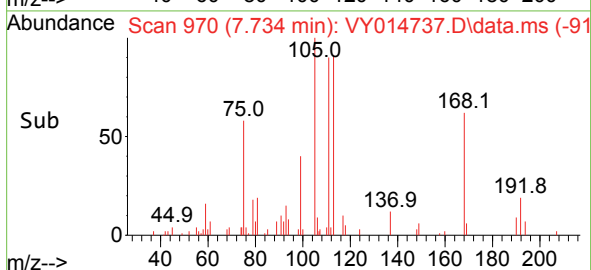
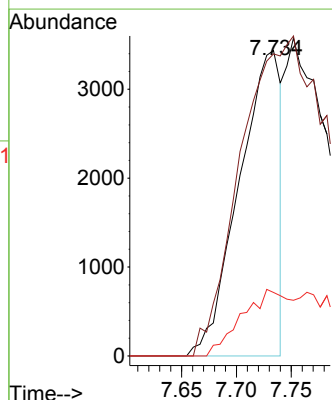
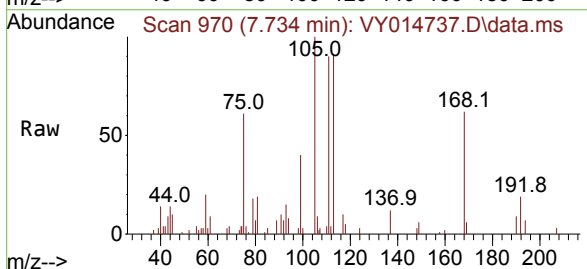
Tgt Ion:113 Resp: 9043

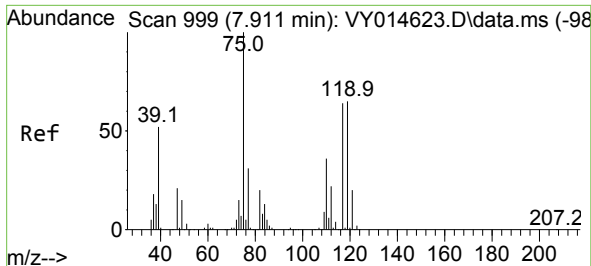
Ion Ratio Lower Upper

113 100

111 0.0 81.3 121.9#

192 25.5 16.9 25.3#

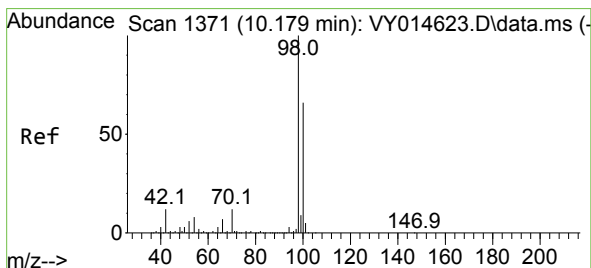
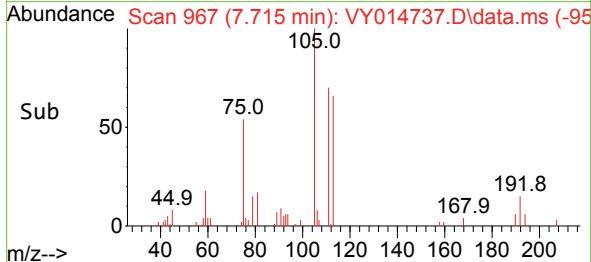
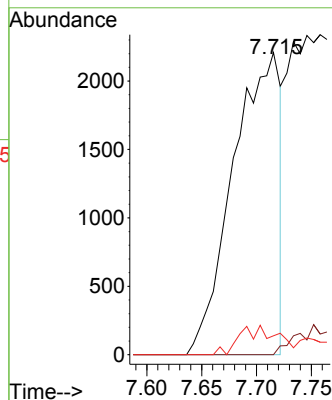
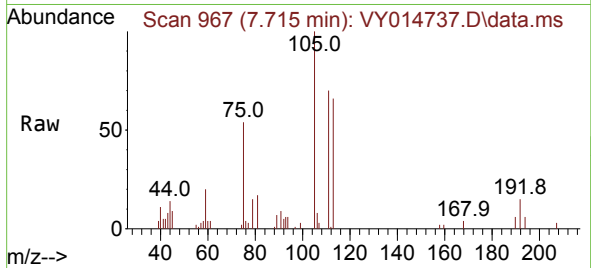




#36
1,1-Dichloropropene
Concen: 6.901 ug/l
RT: 7.715 min Scan# 90
Delta R.T. -0.196 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

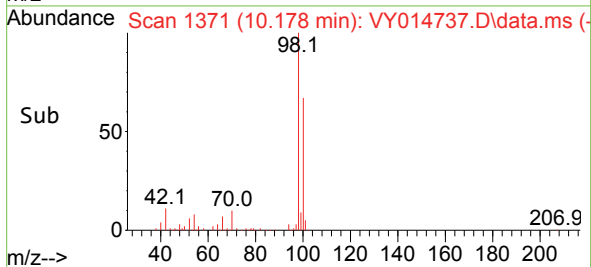
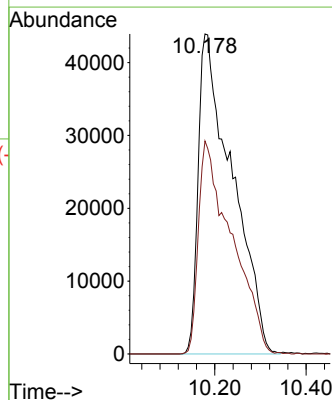
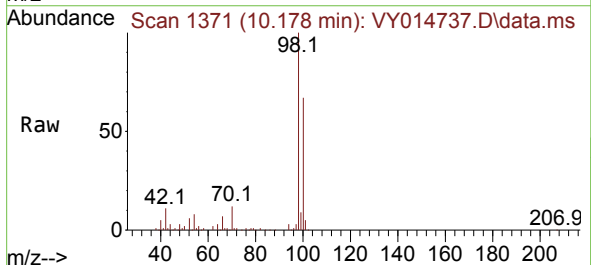
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

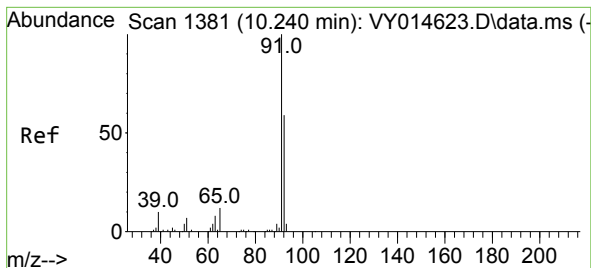
Tgt Ion: 75 Resp: 6594
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 95.788 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 98 Resp: 225644
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1





#52

Toluene

Concen: 2.541 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.005 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

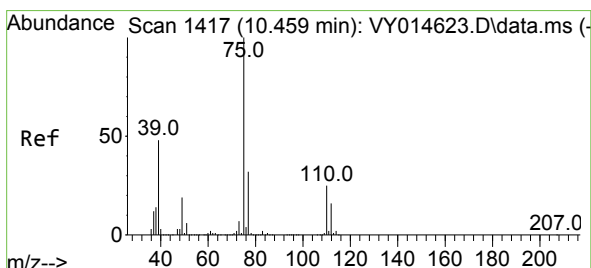
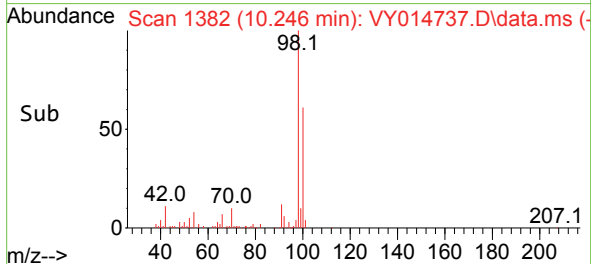
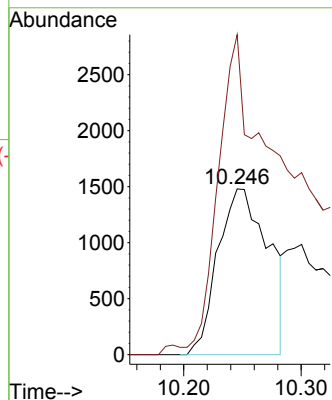
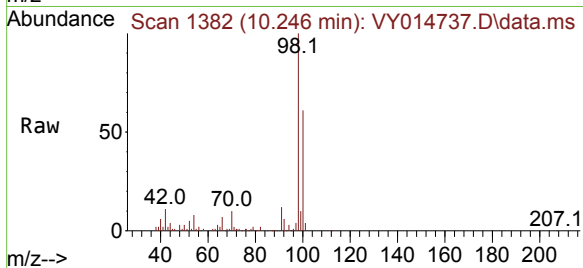
RPTP-3-GRAB-5

Tgt Ion: 92 Resp: 4418

Ion Ratio Lower Upper

92 100

91 331.1 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 4.664 ug/l

RT: 10.355 min Scan# 1400

Delta R.T. -0.104 min

Lab File: VY014737.D

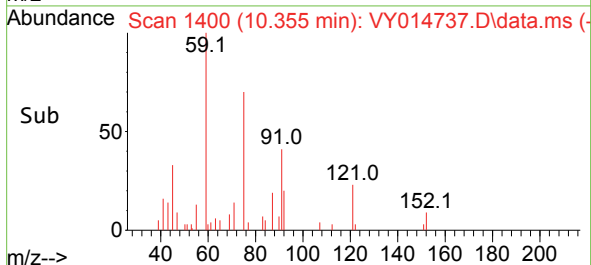
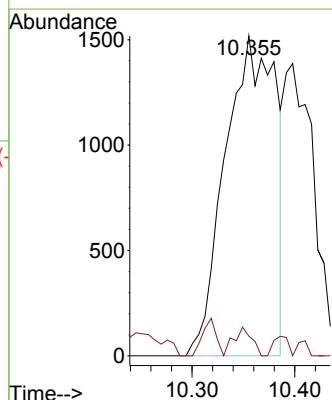
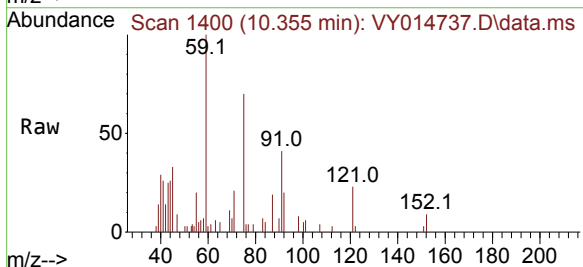
Acq: 21 Jul 2023 11:23

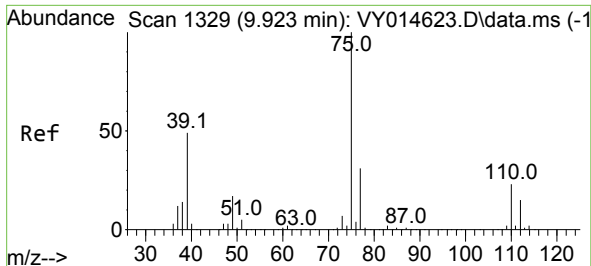
Tgt Ion: 75 Resp: 5176

Ion Ratio Lower Upper

75 100

77 6.2 25.0 37.4#

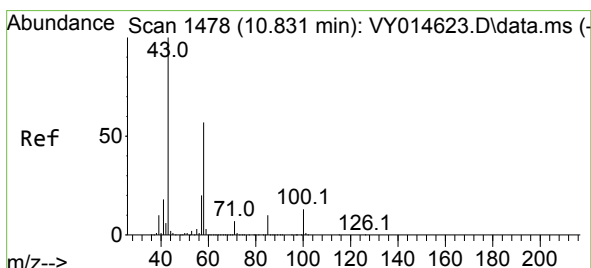
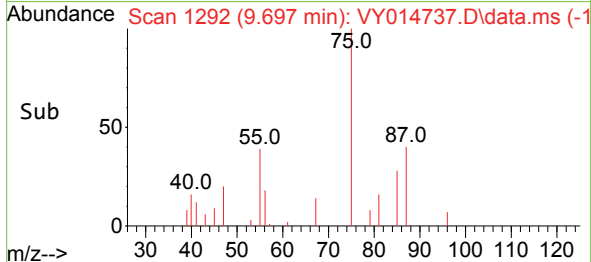
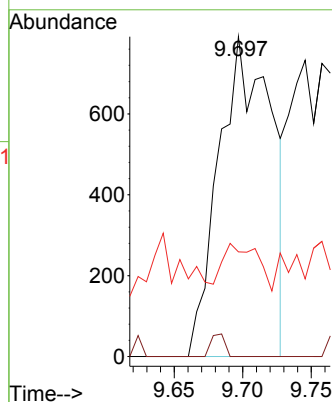
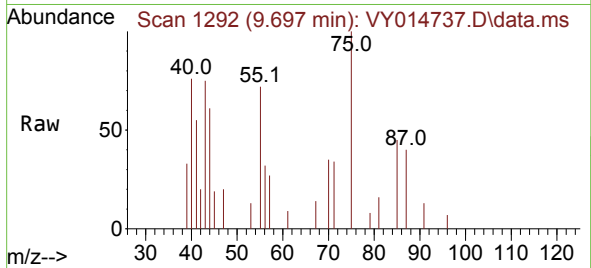




#54
 cis-1,3-Dichloropropene
 Concen: 1.746 ug/l
 RT: 9.697 min Scan# 11
 Delta R.T. -0.226 min
 Lab File: VY014737.D
 Acq: 21 Jul 2023 11:23

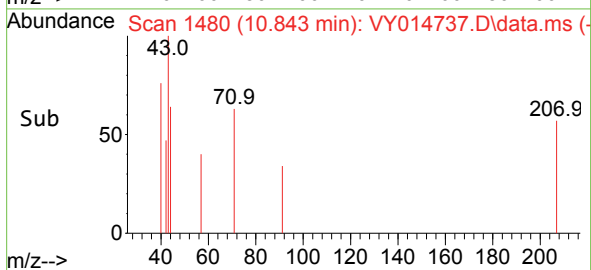
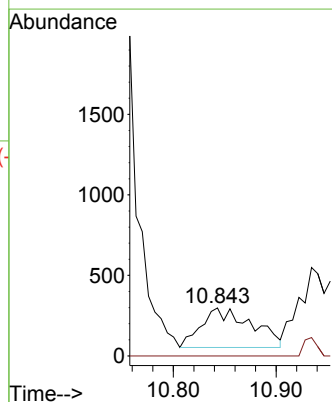
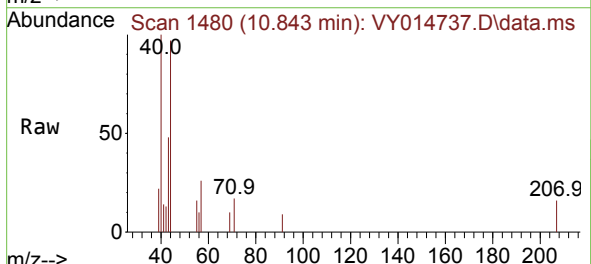
Instrument :
 MSVOA_Y
 ClientSampleId :
 RPTP-3-GRAB-5

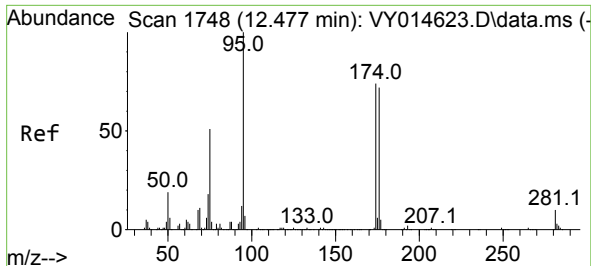
Tgt Ion: 75 Resp: 2107
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.4#
 39 2.4 42.2 63.4#



#59
 2-Hexanone
 Concen: 1.732 ug/l
 RT: 10.843 min Scan# 1480
 Delta R.T. 0.012 min
 Lab File: VY014737.D
 Acq: 21 Jul 2023 11:23

Tgt Ion: 43 Resp: 831
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.1 75.3#

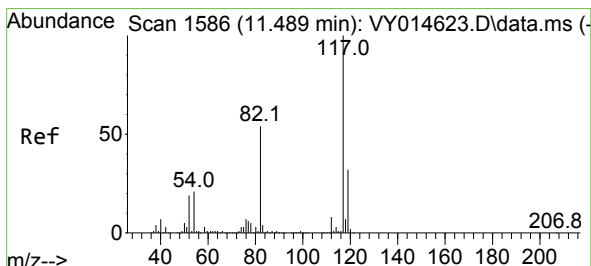
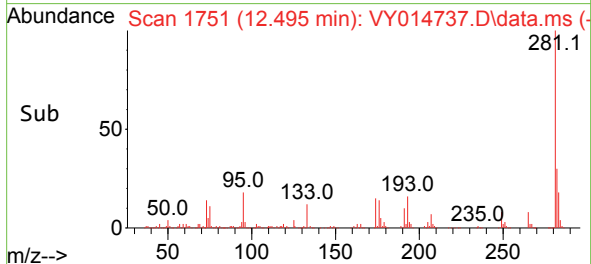
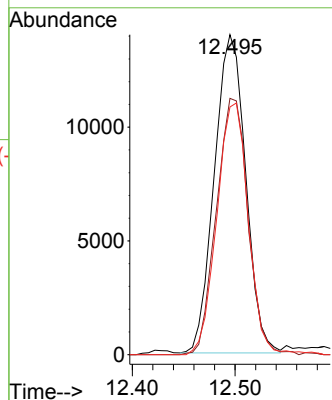
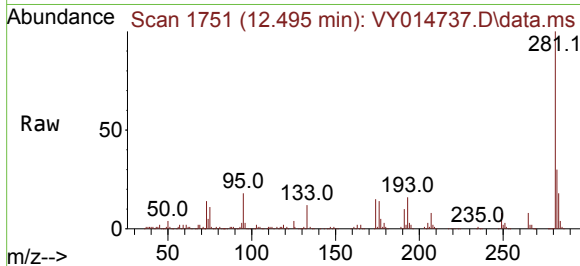




#62
4-Bromofluorobenzene
Concen: 32.764 ug/l
RT: 12.495 min Scan# 1
Delta R.T. 0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

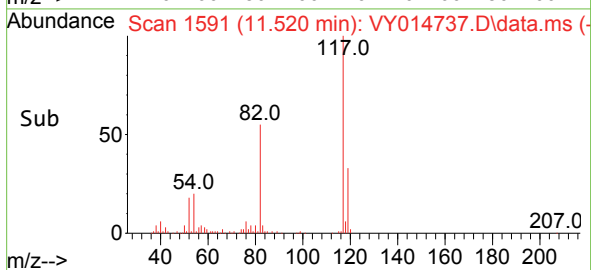
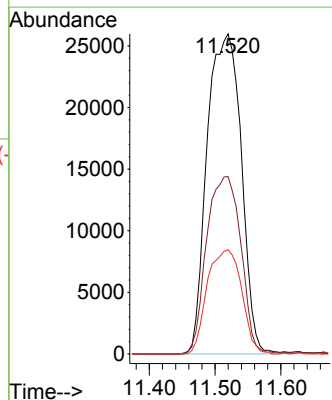
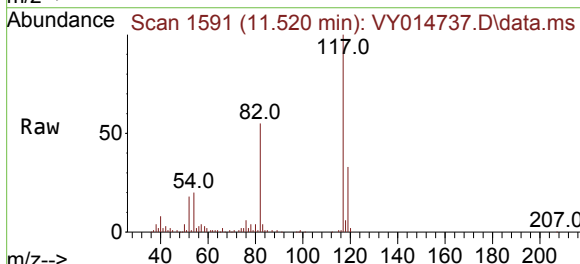
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

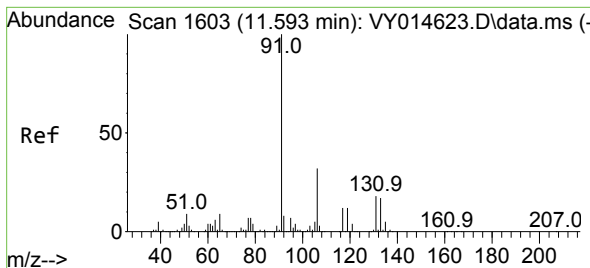
Tgt Ion: 95 Resp: 29594
Ion Ratio Lower Upper
95 100
174 81.2 0.0 178.2
176 79.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. 0.031 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 117 Resp: 93635
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 32.6 26.3 39.5





#67

Ethyl Benzene

Concen: 1.521 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.012 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

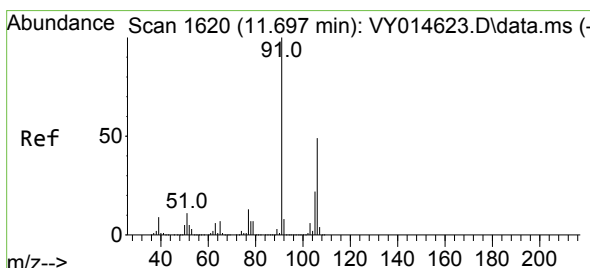
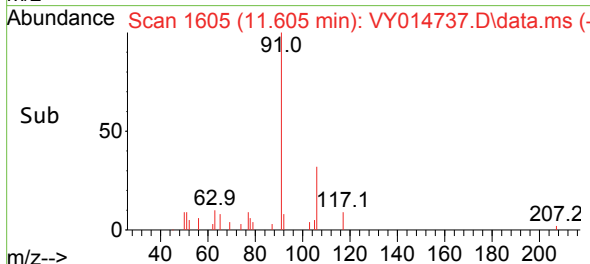
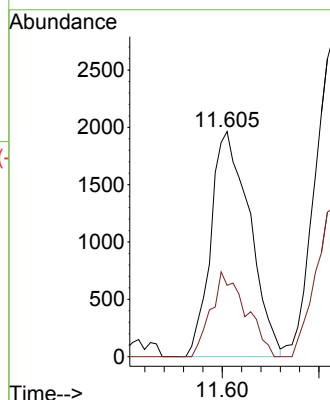
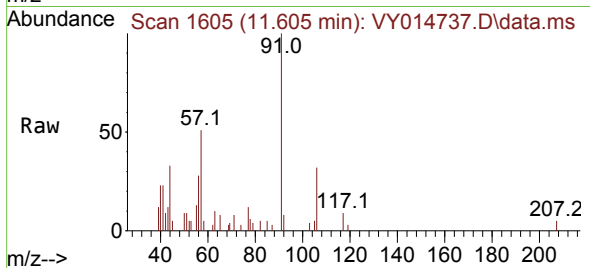
RPTP-3-GRAB-5

Tgt Ion: 91 Resp: 5478

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 2.657 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.018 min

Lab File: VY014737.D

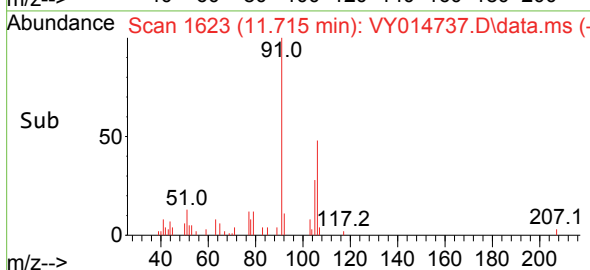
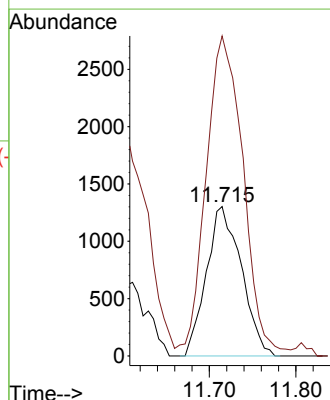
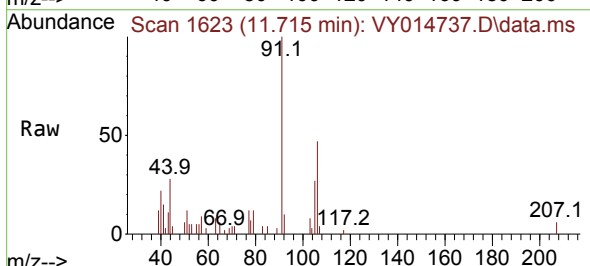
Acq: 21 Jul 2023 11:23

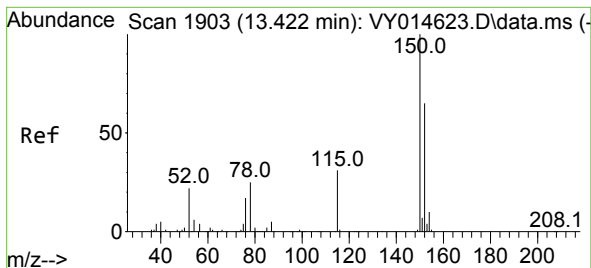
Tgt Ion: 106 Resp: 3654

Ion Ratio Lower Upper

106 100

91 226.5 166.1 249.1

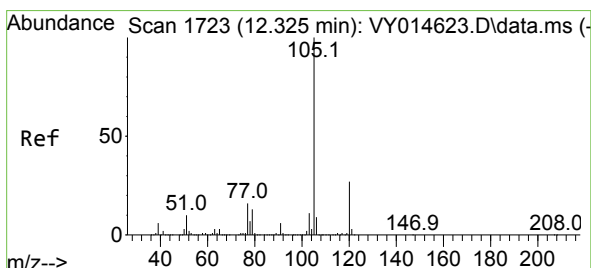
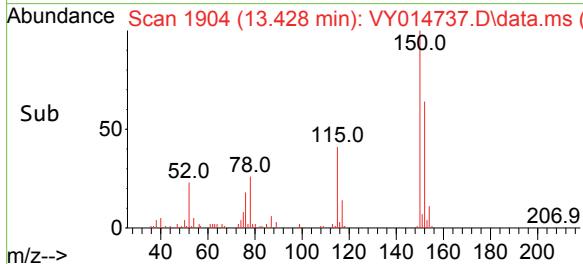
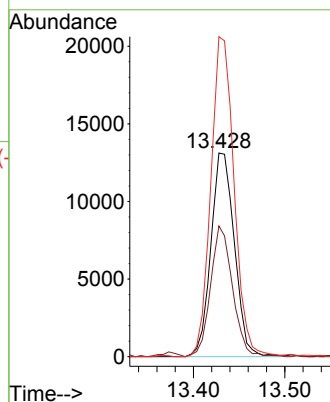
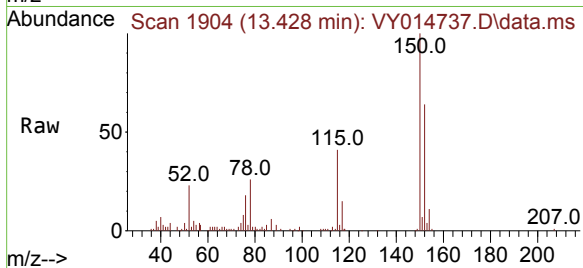




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

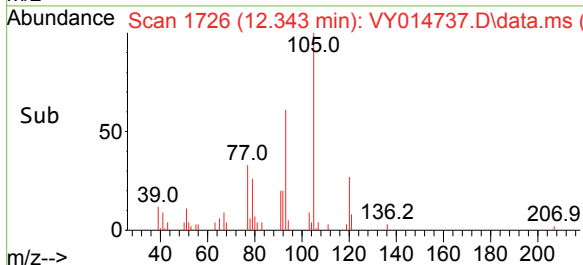
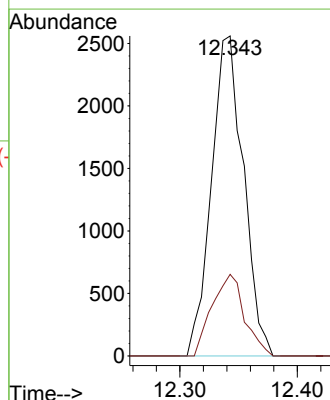
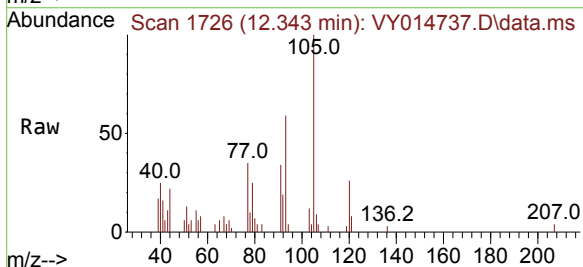
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

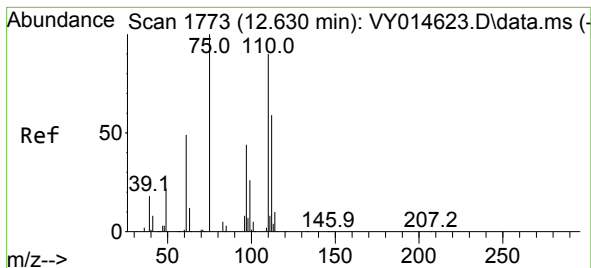
Tgt Ion:152 Resp: 23483
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 155.0 0.0 348.8



#73
Isopropylbenzene
Concen: 2.638 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.018 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion:105 Resp: 4850
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.9





#76

1,2,3-Trichloropropane

Concen: 61.416 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.129 min

Lab File: VY014737.D

Acq: 21 Jul 2023 11:23

Instrument :

MSVOA_Y

ClientSampleId :

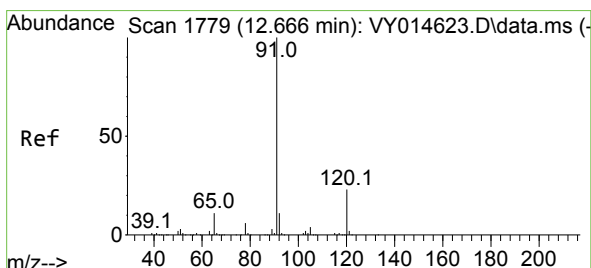
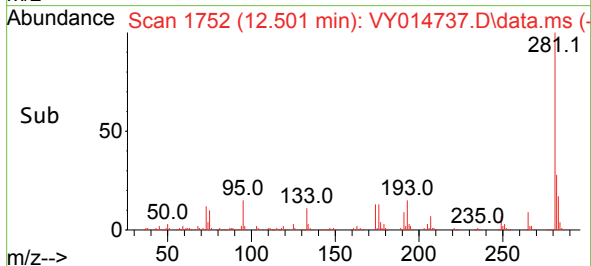
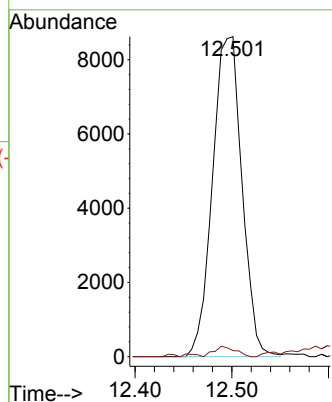
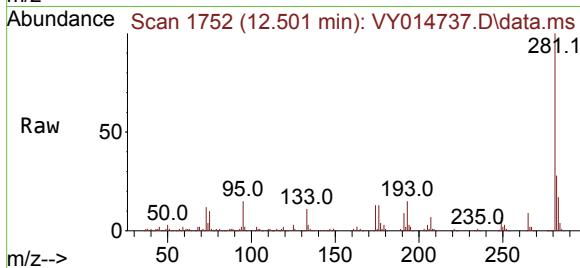
RPTP-3-GRAB-5

Tgt Ion: 75 Resp: 18215

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#78

n-propylbenzene

Concen: 2.249 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.018 min

Lab File: VY014737.D

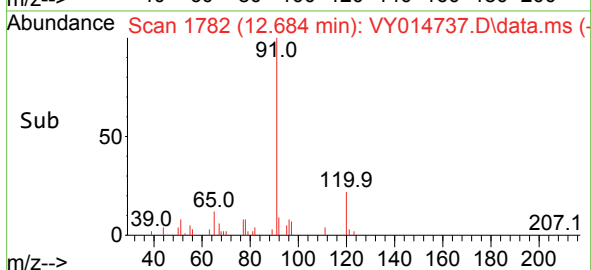
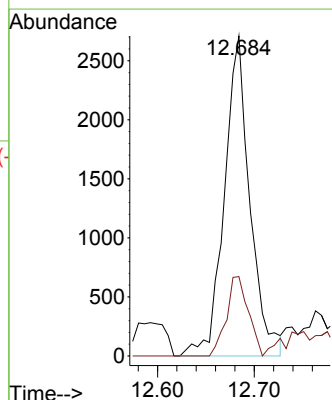
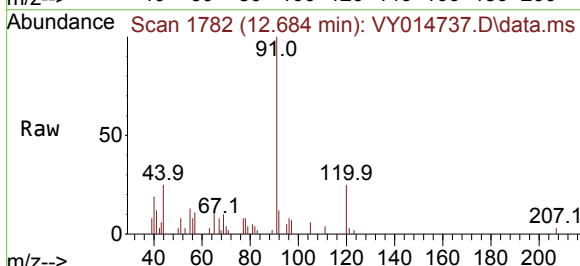
Acq: 21 Jul 2023 11:23

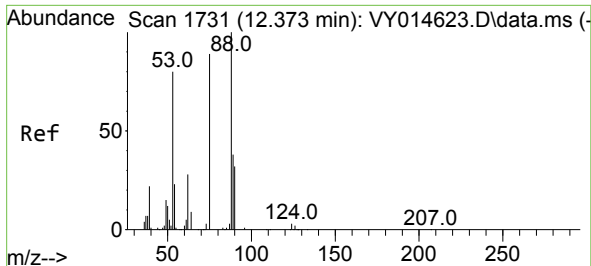
Tgt Ion: 91 Resp: 4982

Ion Ratio Lower Upper

91 100

120 21.2 11.5 34.4

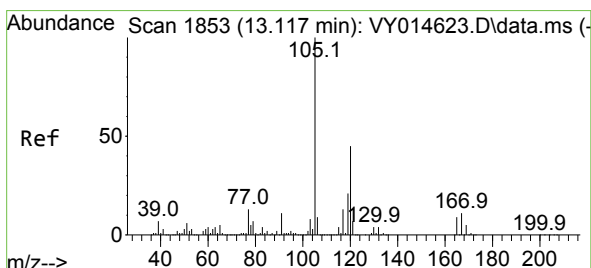
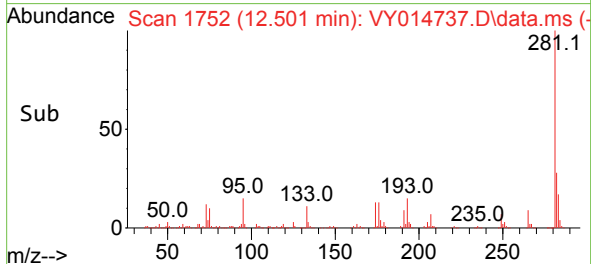
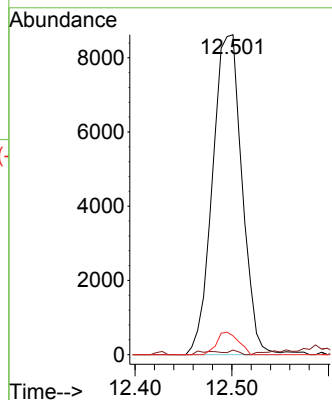
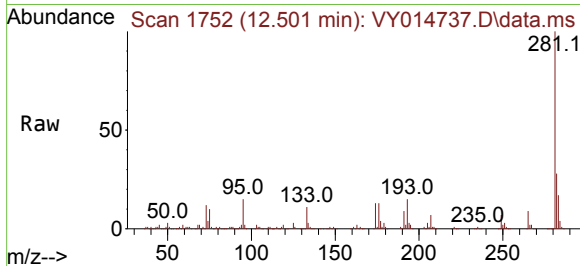




#81
trans-1,4-Dichloro-2-butene
Concen: 118.912 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.128 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

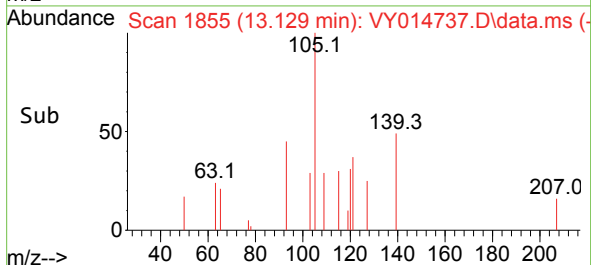
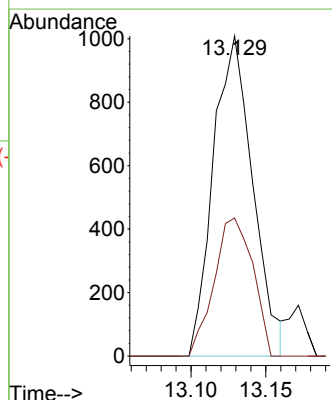
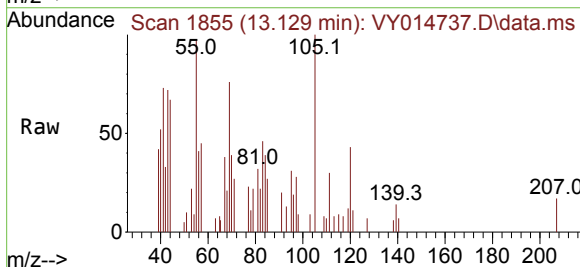
Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

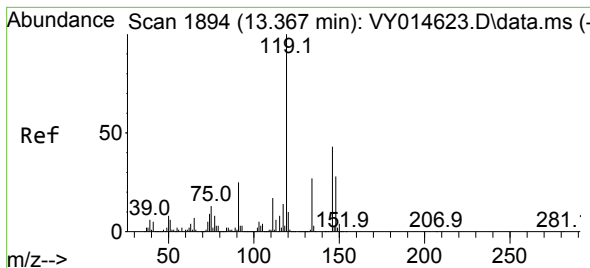
Tgt Ion: 75 Resp: 18215
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 5.2 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.228 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion: 105 Resp: 1851
Ion Ratio Lower Upper
105 100
120 42.3 22.2 66.6

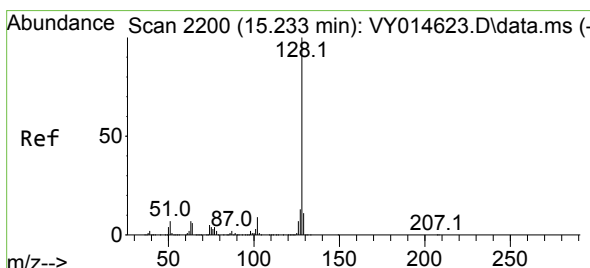
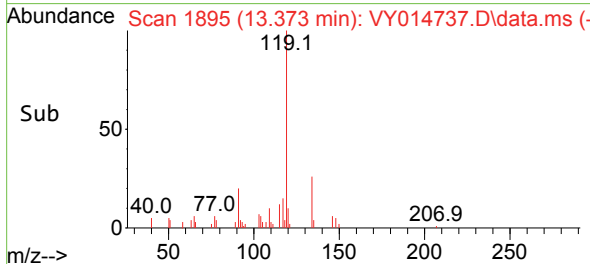
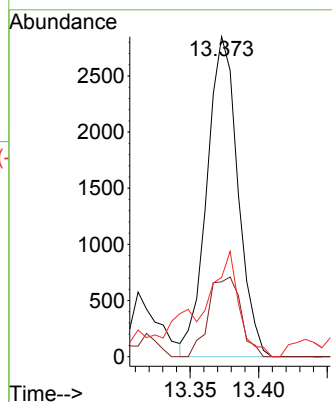
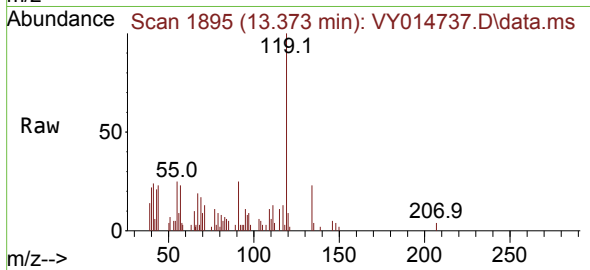




#86
p-Isopropyltoluene
Concen: 2.745 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Instrument :
MSVOA_Y
ClientSampleId :
RPTP-3-GRAB-5

Tgt Ion:119 Resp: 4479
Ion Ratio Lower Upper
119 100
134 25.8 13.3 39.8
91 40.4 12.4 37.4#



#95
Naphthalene
Concen: 1.766 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY014737.D
Acq: 21 Jul 2023 11:23

Tgt Ion:128 Resp: 1955
Ion Ratio Lower Upper
128 100
127 6.4 10.8 16.2#
129 9.2 8.6 13.0

