

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042524\
 Data File : VY018048.D
 Acq On : 25 Apr 2024 13:58
 Operator : SY/MD
 Sample : P2261-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 26 02:01:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

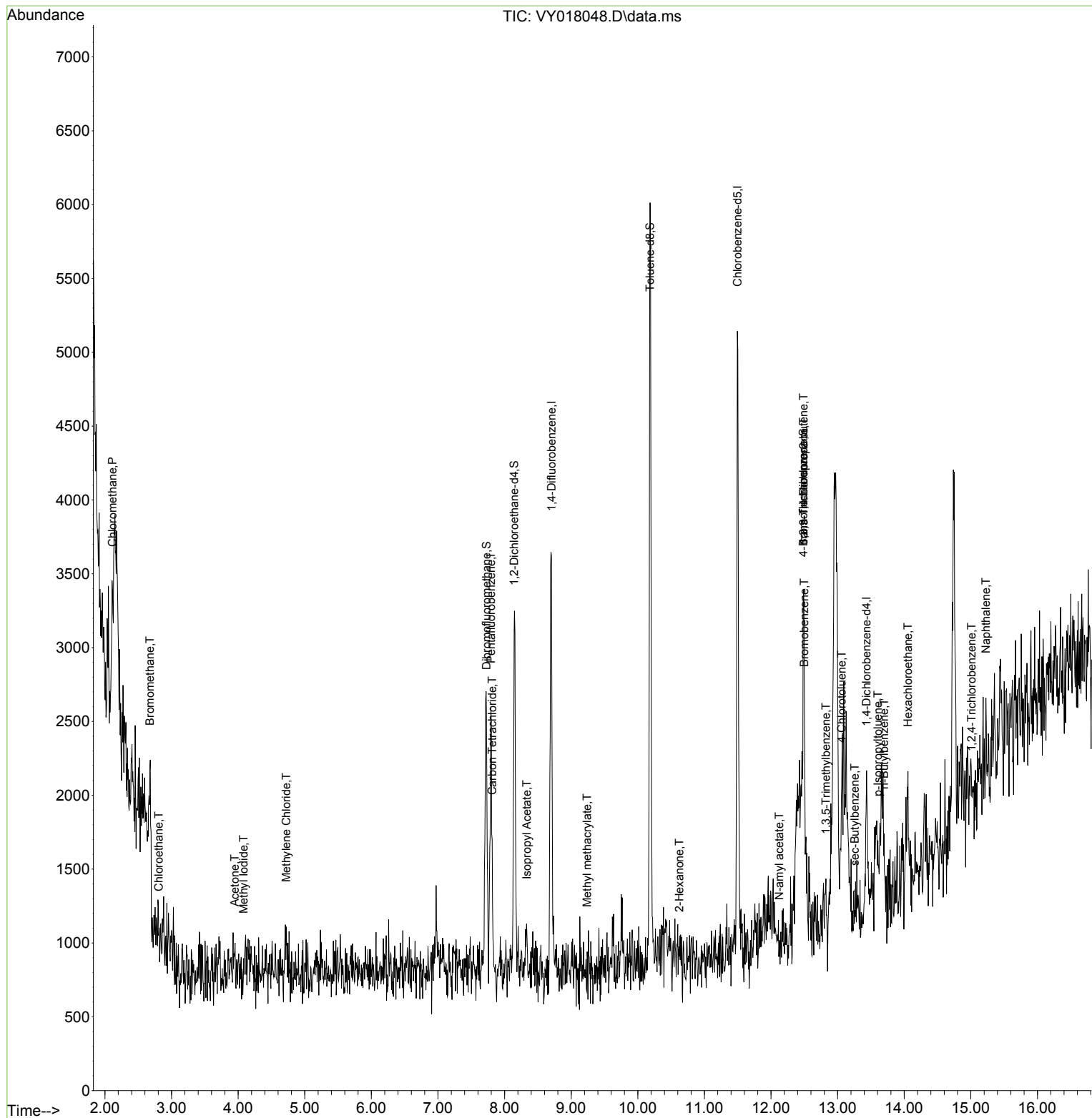
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	1854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	3467	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	3155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1819	113.376	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 226.760%#	
35) Dibromofluoromethane	7.728	113	1550	72.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 144.940%	
50) Toluene-d8	10.185	98	4185	51.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.120%	
62) 4-Bromofluorobenzene	12.483	95	603	23.989	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 47.980%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	233	9.560	ug/l	97
5) Bromomethane	2.674	94	164	8.970	ug/l #	41
6) Chloroethane	2.808	64	186	10.725	ug/l #	42
10) Methyl Iodide	4.082	142	26	1.014	ug/l #	16
16) Acetone	3.948	43	121	38.169	ug/l #	76
20) Methylene Chloride	4.722	84	95	4.423	ug/l #	73
38) Carbon Tetrachloride	7.813	117	90	2.864	ug/l #	13
43) Isopropyl Acetate	8.331	43	41	1.719	ug/l #	47
48) Methyl methacrylate	9.240	41	20	1.830	ug/l #	7
59) 2-Hexanone	10.624	43	19	2.201	ug/l #	19
74) N-amyl acetate	12.123	43	19	2.790	ug/l #	37
76) 1,2,3-Trichloropropane	12.489	75	148	34.064	ug/l #	100
77) Bromobenzene	12.501	156	321	39.317	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.825	105	34	1.271	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.489	75	148	70.235	ug/l #	16
82) 4-Chlorotoluene	13.062	91	33	1.391	ug/l #	39
85) sec-Butylbenzene	13.257	105	132	3.597	ug/l #	56
86) p-Isopropyltoluene	13.605	119	121	4.013	ug/l #	61
89) n-Butylbenzene	13.696	91	56	1.974	ug/l #	33
90) Hexachloroethane	14.056	117	20	3.234	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.013	180	23	2.826	ug/l #	12
95) Naphthalene	15.227	128	77	5.741	ug/l #	69

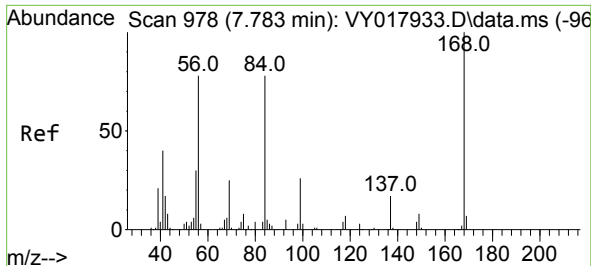
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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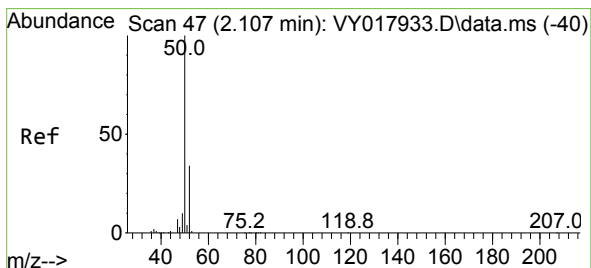
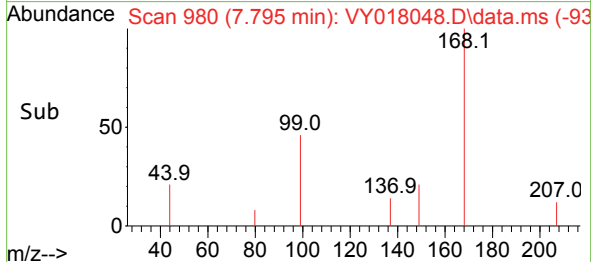
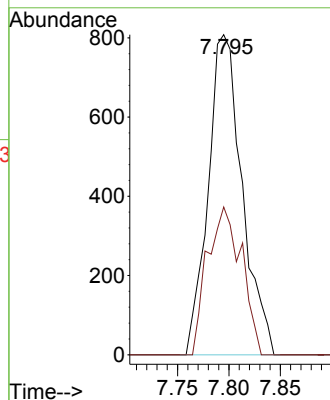
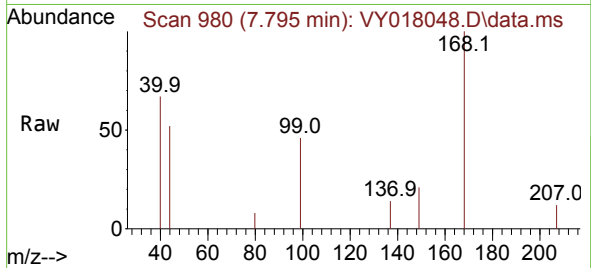




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

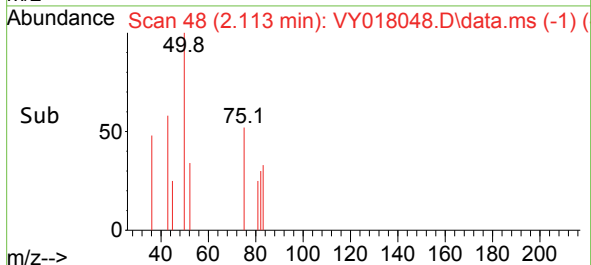
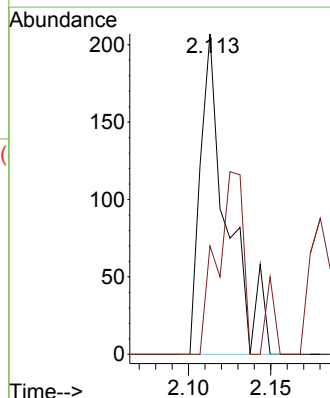
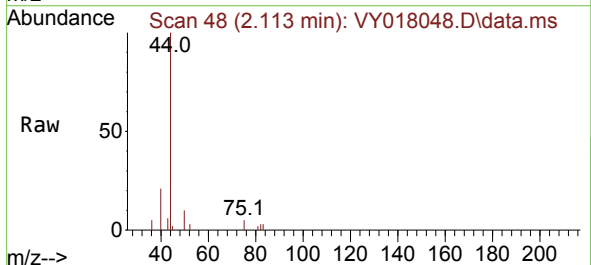
Instrument :
MSVOA_Y
ClientSampleId :

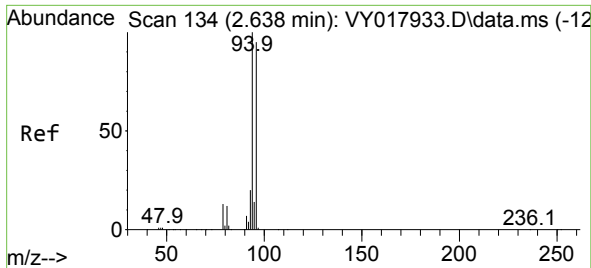
Tgt Ion:168 Resp: 1854
Ion Ratio Lower Upper
168 100
99 46.2 39.1 58.7



#3
Chloromethane
Concen: 9.560 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 33.8 25.6 38.4





#5

Bromomethane

Concen: 8.970 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.024 min

Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

Instrument :

MSVOA_Y

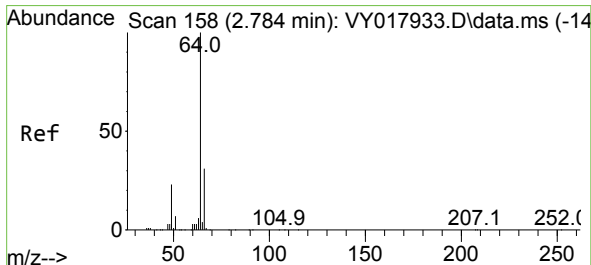
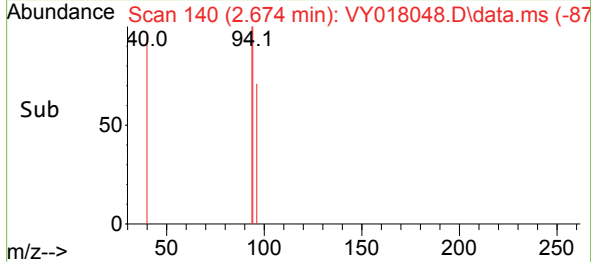
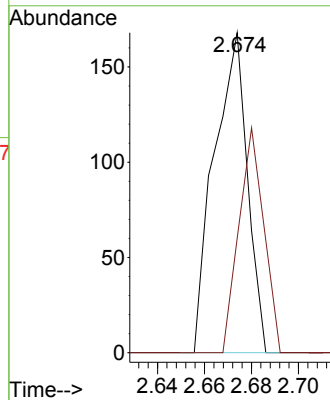
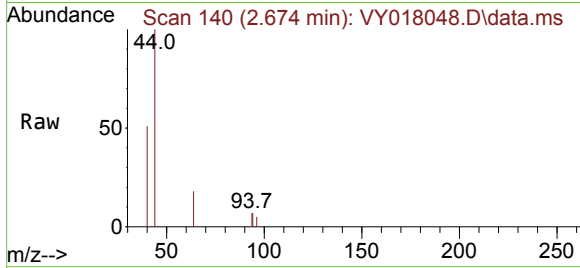
ClientSampleId :

Tgt Ion: 94 Resp: 164

Ion Ratio Lower Upper

94 100

96 35.7 74.1 111.1#



#6

Chloroethane

Concen: 10.725 ug/l

RT: 2.808 min Scan# 162

Delta R.T. 0.018 min

Lab File: VY018048.D

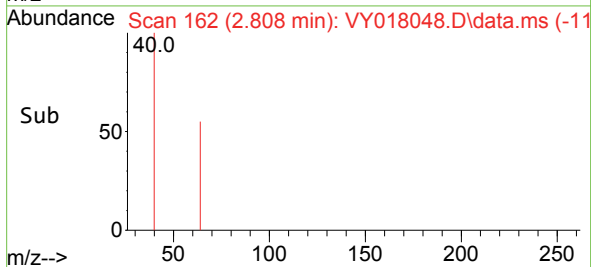
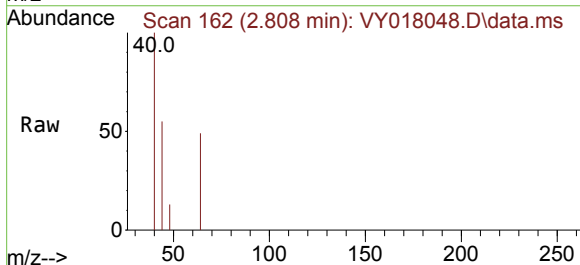
Acq: 25 Apr 2024 13:58

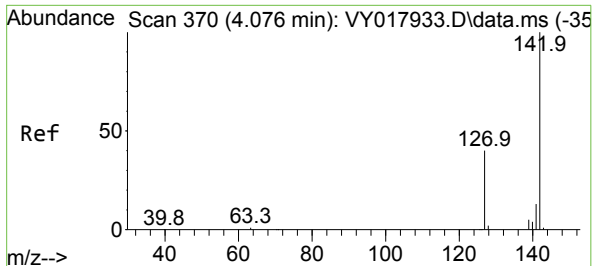
Tgt Ion: 64 Resp: 186

Ion Ratio Lower Upper

64 100

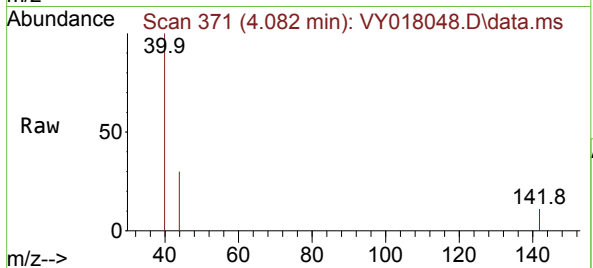
66 0.0 26.1 39.1#



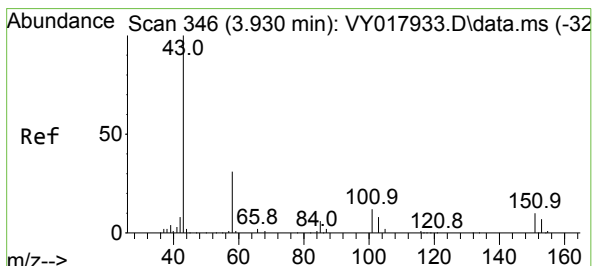
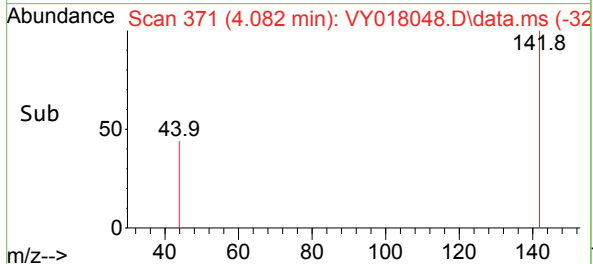
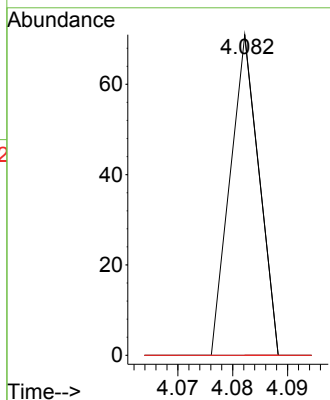


#10
Methyl Iodide
Concen: 1.014 ug/l
RT: 4.082 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :

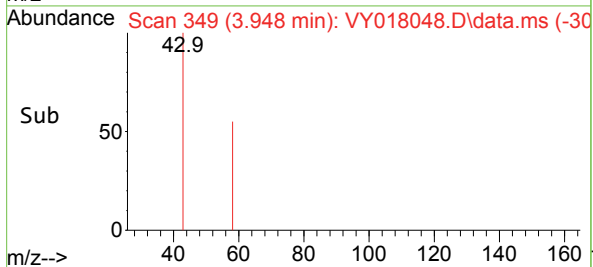
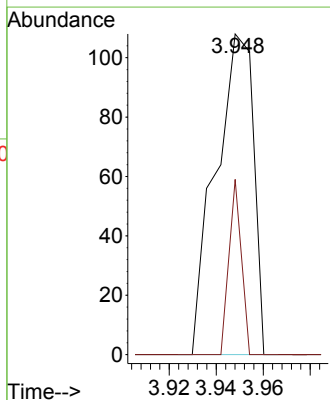
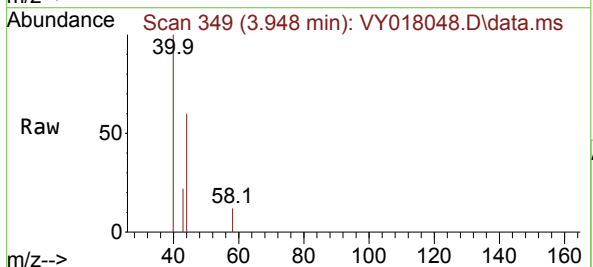


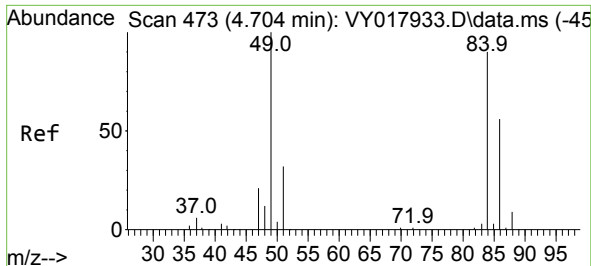
Tgt Ion:142 Resp: 26
Ion Ratio Lower Upper
142 100
127 103.8 32.8 49.2#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 38.169 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

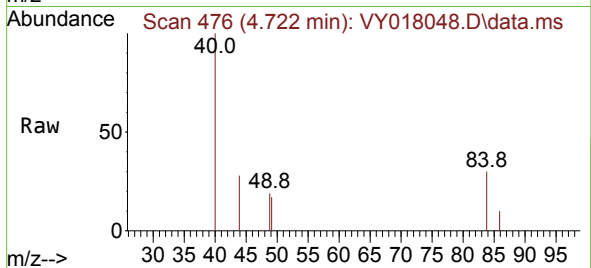
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 54.6 31.7 47.5#



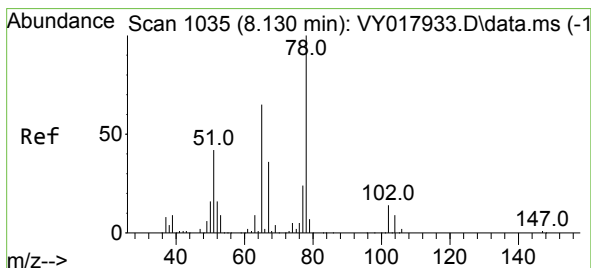
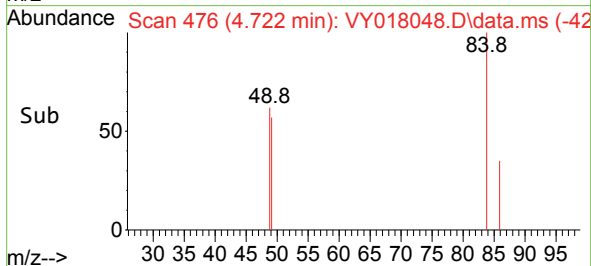
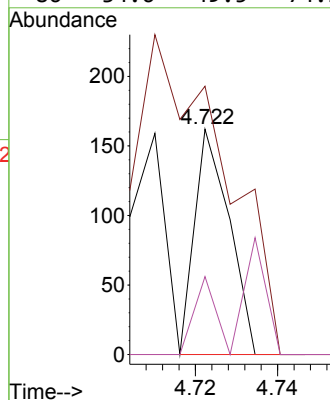


#20
Methylene Chloride
Concen: 4.423 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :

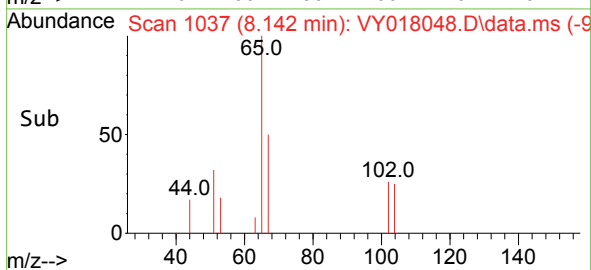
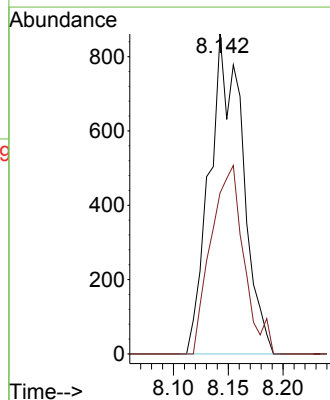
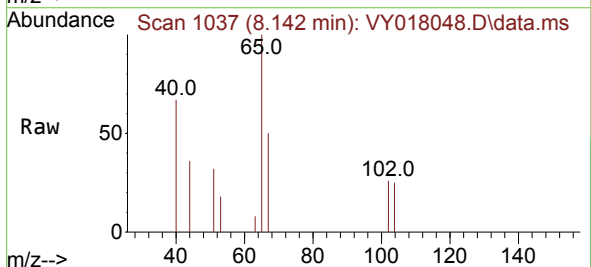


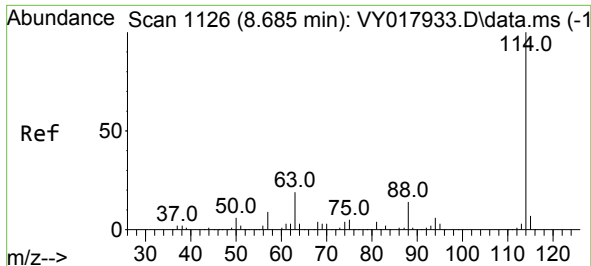
Tgt Ion: 84	Resp: 95
Ion Ratio	Lower Upper
84 100	
49 119.1	84.4 126.6
51 0.0	26.0 39.0#
86 34.6	49.5 74.3#



#33
1,2-Dichloroethane-d4
Concen: 113.376 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 65	Resp: 1819
Ion Ratio	Lower Upper
65 100	
67 58.3	0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY018048.D

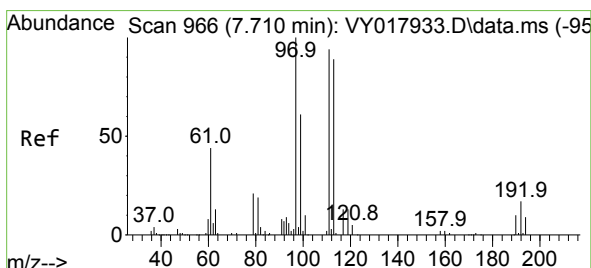
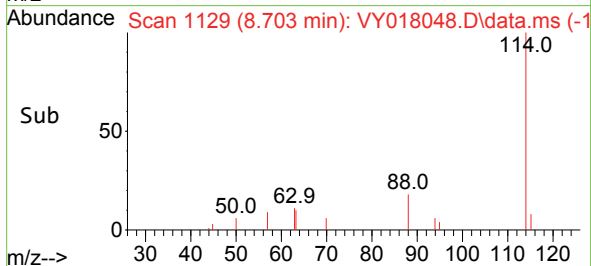
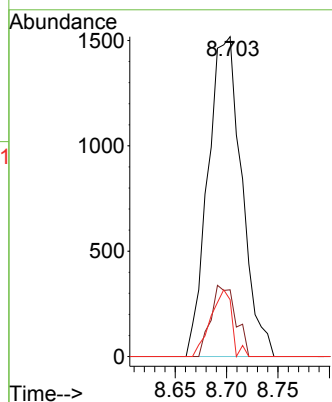
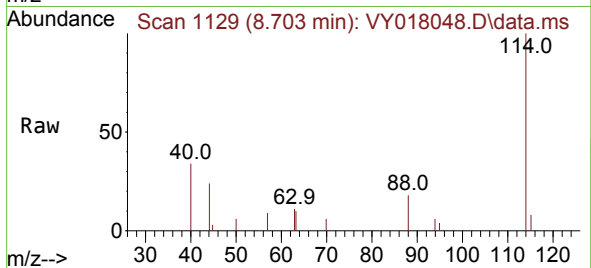
Acq: 25 Apr 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	3467
Ion	Ratio	Lower Upper
114	100	
63	20.9	0.0 35.0
88	17.8	0.0 27.2



#35

Dibromofluoromethane

Concen: 72.466 ug/l

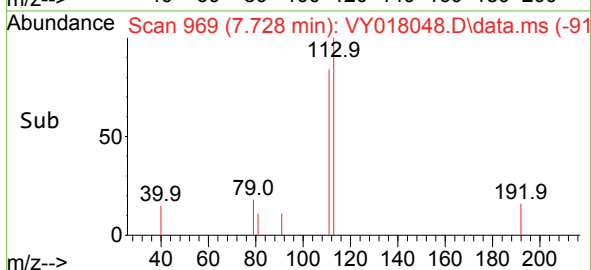
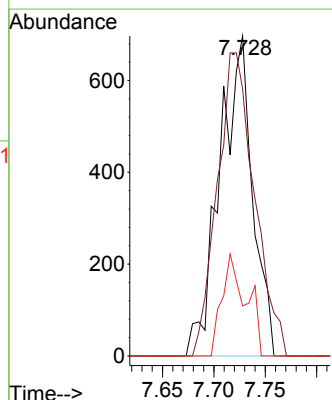
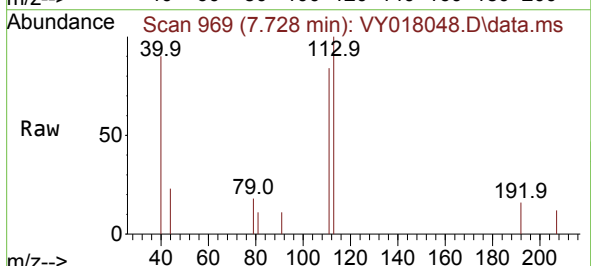
RT: 7.728 min Scan# 969

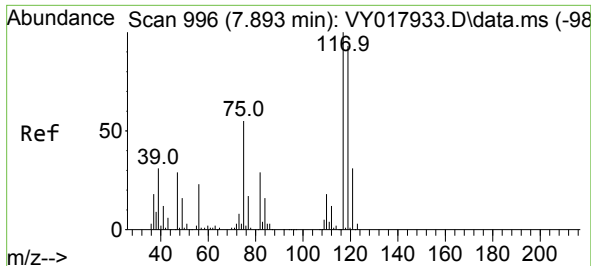
Delta R.T. 0.006 min

Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

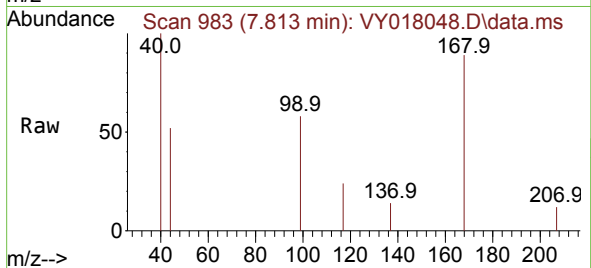
Tgt Ion:113	Resp:	1550
Ion	Ratio	Lower Upper
113	100	
111	106.9	82.2 123.4
192	23.5	15.9 23.9



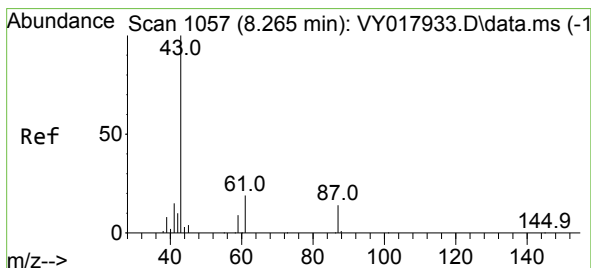
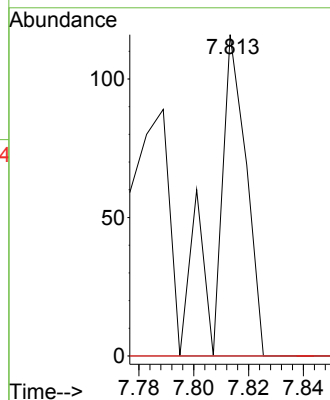
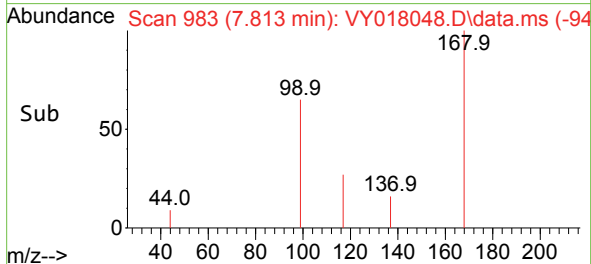


#38
Carbon Tetrachloride
Concen: 2.864 ug/l
RT: 7.813 min Scan# 90
Delta R.T. -0.091 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

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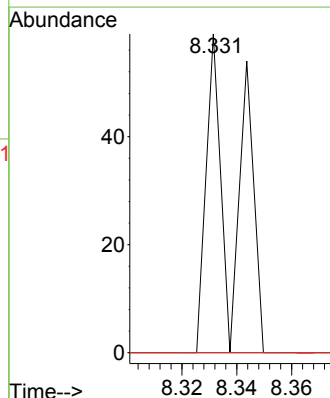
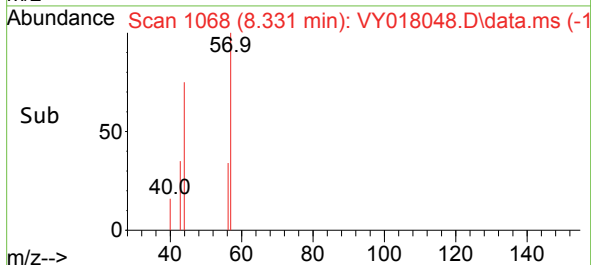
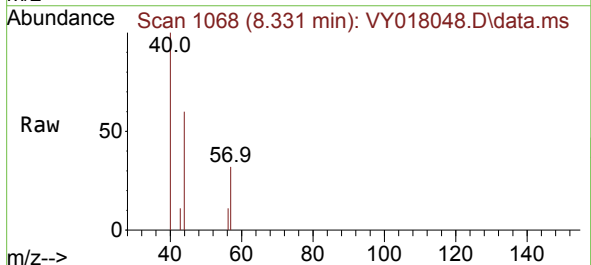


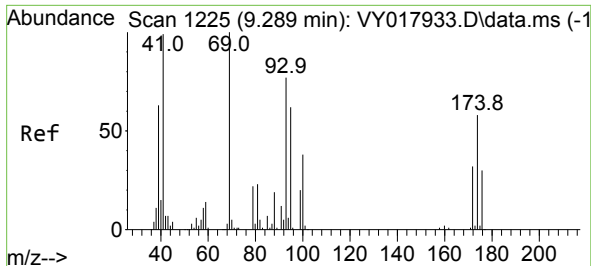
Tgt Ion:117 Resp: 90
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 1.719 ug/l
RT: 8.331 min Scan# 1068
Delta R.T. 0.061 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

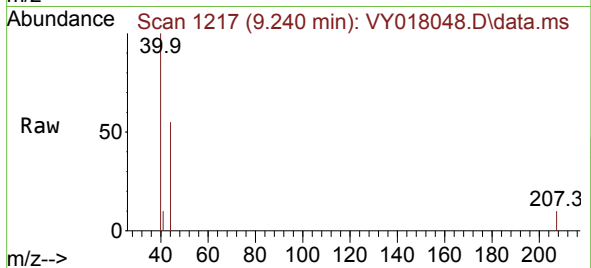
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
61 0.0 27.9 41.9#
87 0.0 13.1 19.7#



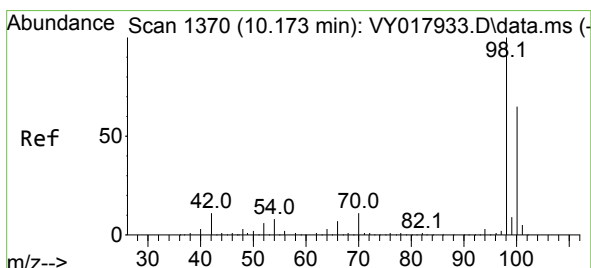
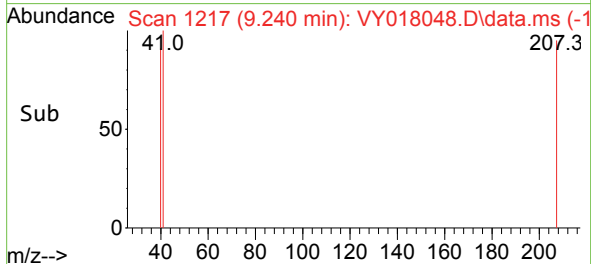
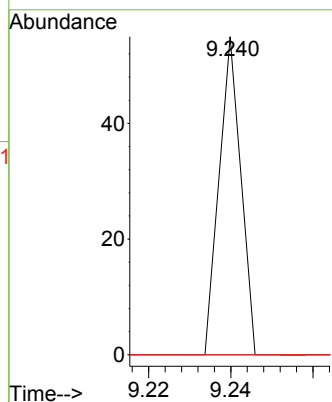


#48
Methyl methacrylate
Concen: 1.830 ug/l
RT: 9.240 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :

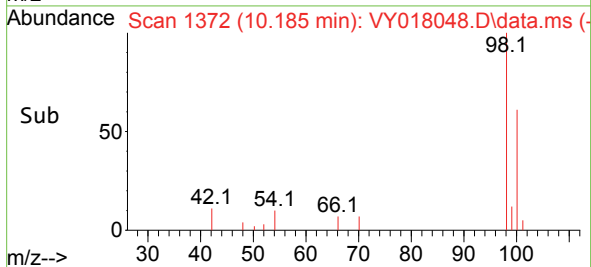
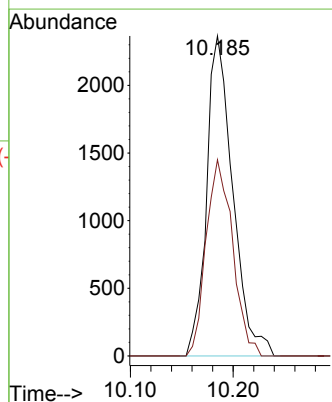
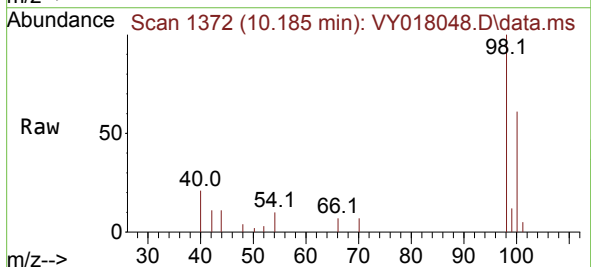


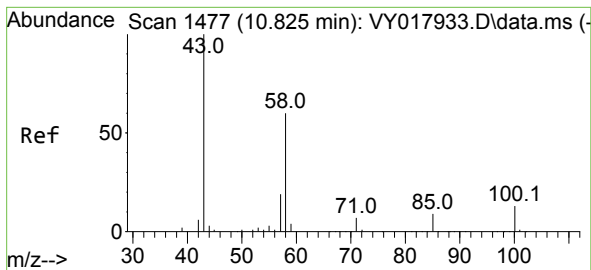
Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 0.0 43.6 65.4#



#50
Toluene-d8
Concen: 51.564 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 98 Resp: 4185
Ion Ratio Lower Upper
98 100
100 62.2 52.0 78.0

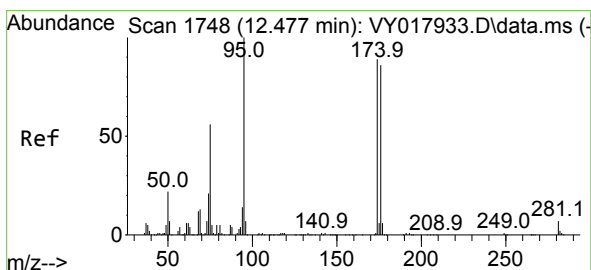
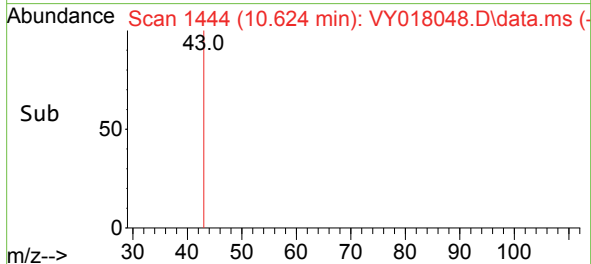
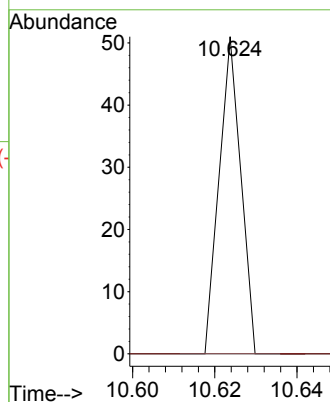
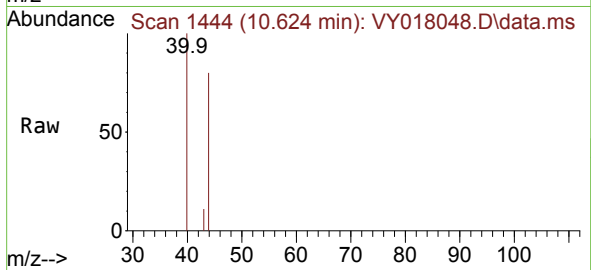




#59
2-Hexanone
Concen: 2.201 ug/l
RT: 10.624 min Scan# 1477
Delta R.T. -0.207 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

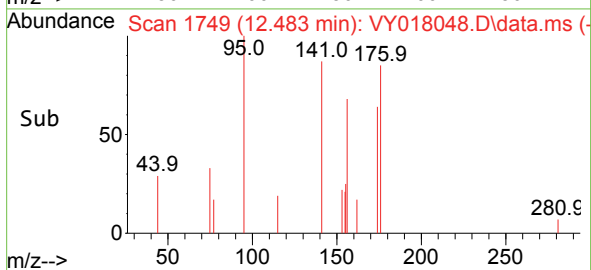
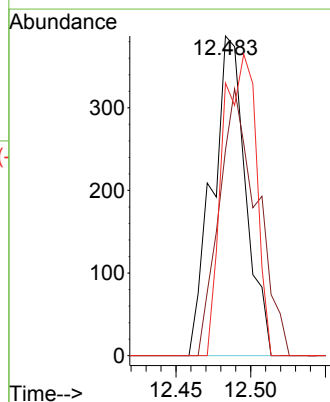
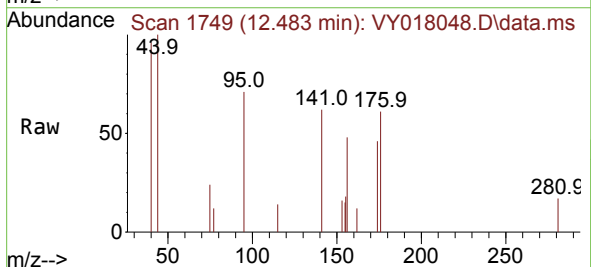
Instrument :
MSVOA_Y
ClientSampleId :

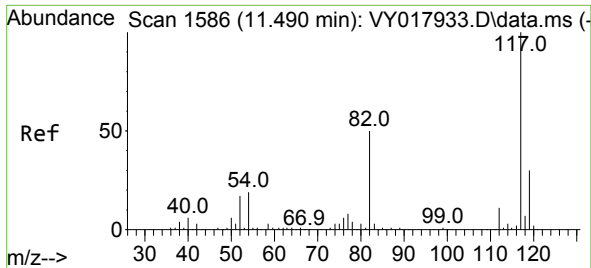
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 23.989 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

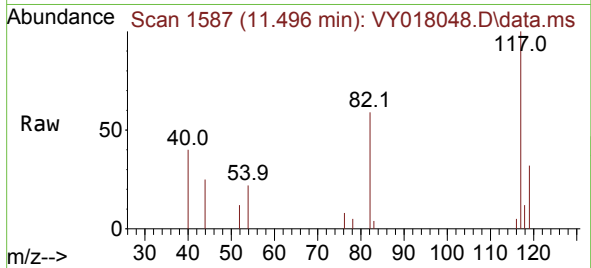
Tgt Ion: 95 Resp: 603
Ion Ratio Lower Upper
95 100
174 94.2 0.0 175.6
176 94.7 0.0 171.4



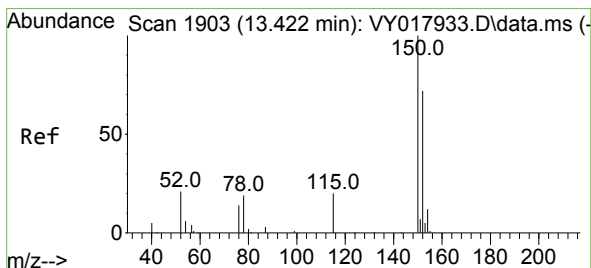
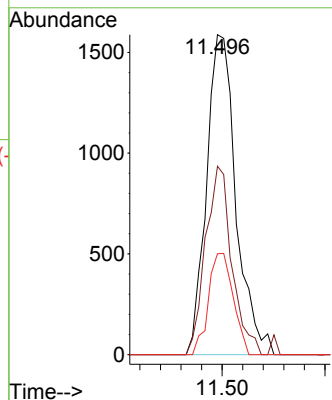
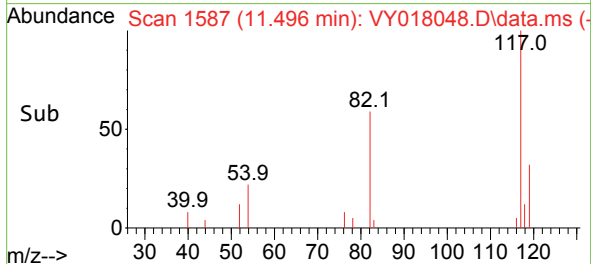


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :

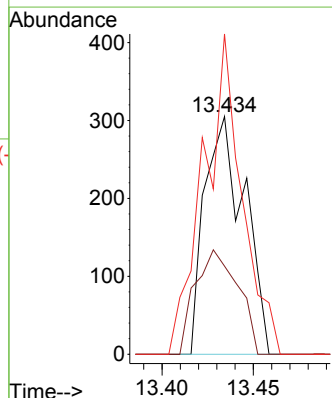
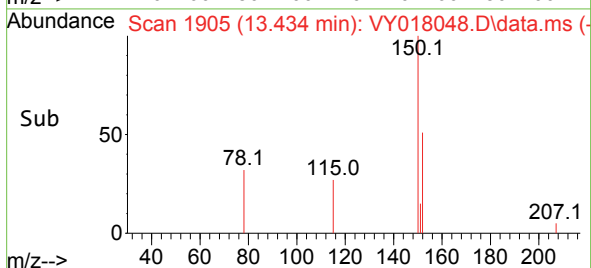
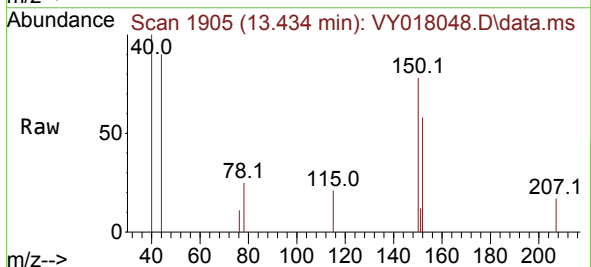


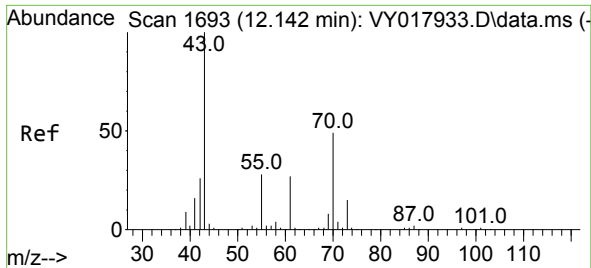
Tgt Ion:117 Resp: 3155
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion:152 Resp: 463
Ion Ratio Lower Upper
152 100
115 47.1 28.2 84.7
150 129.6 0.0 345.6

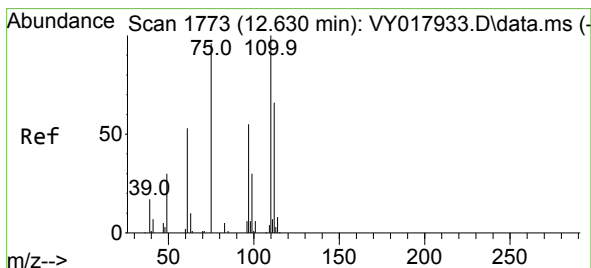
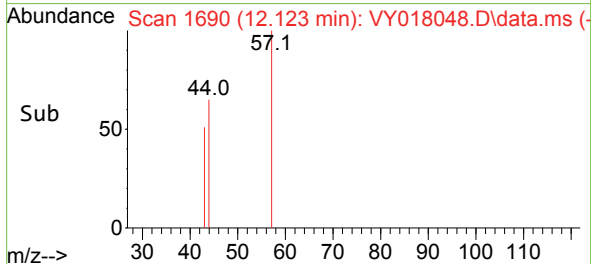
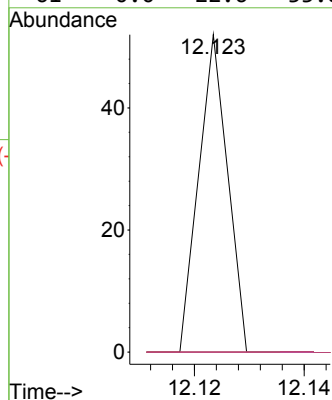
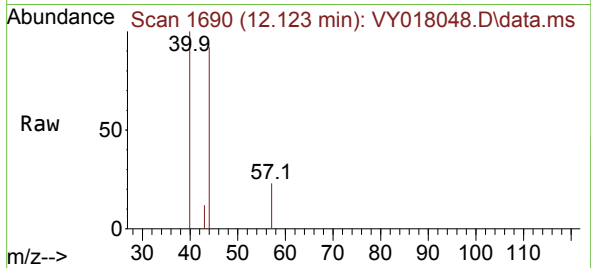




#74
N-amy1 acetate
Concen: 2.790 ug/l
RT: 12.123 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

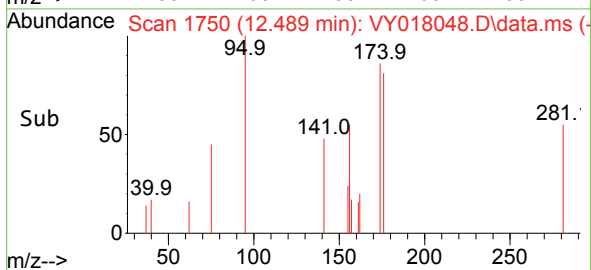
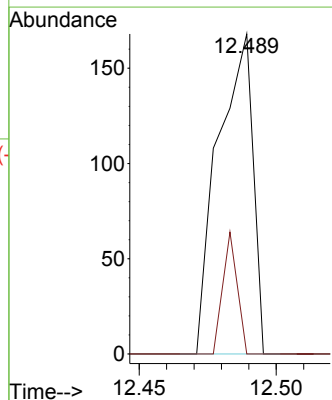
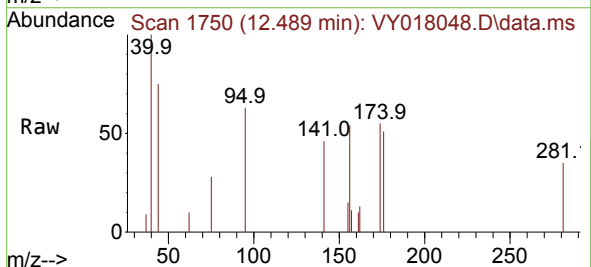
Instrument :
MSVOA_Y
ClientSampleId :

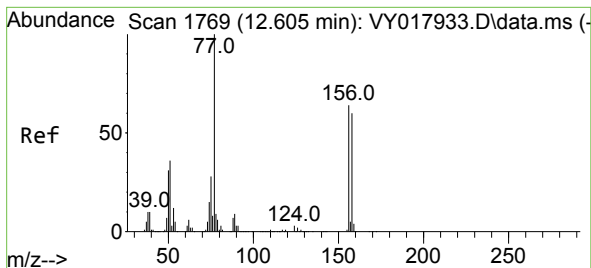
Tgt Ion: 43	Resp:	19
Ion	Ratio	Lower Upper
43	100	
70	0.0	41.4 62.2#
55	0.0	23.3 34.9#
61	0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 34.064 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 75	Resp:	148
Ion	Ratio	Lower Upper
75	100	
77	15.5	0.0 0.0#





#77

Bromobenzene

Concen: 39.317 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. -0.110 min

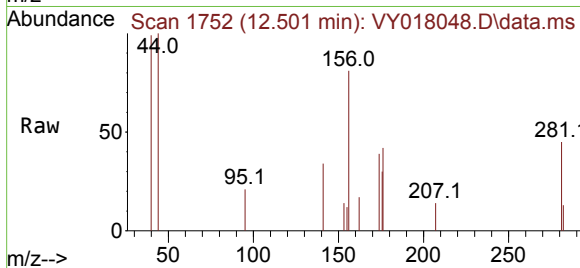
Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :



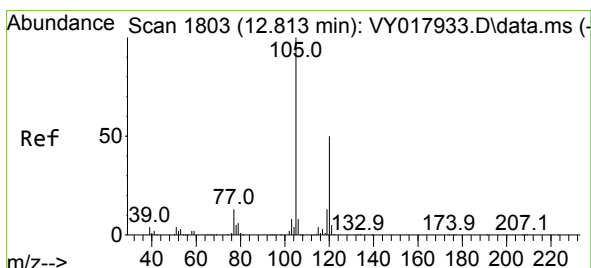
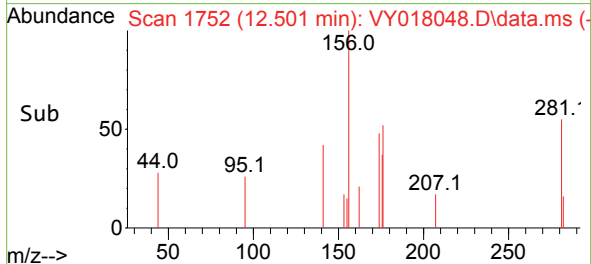
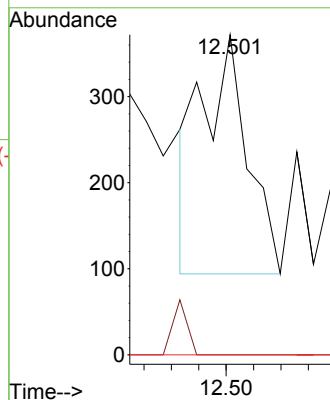
Tgt Ion:156 Resp: 321

Ion Ratio Lower Upper

156 100

77 7.2 87.1 261.3#

158 0.0 48.6 145.9#



#80

1,3,5-Trimethylbenzene

Concen: 1.271 ug/l

RT: 12.825 min Scan# 1805

Delta R.T. 0.012 min

Lab File: VY018048.D

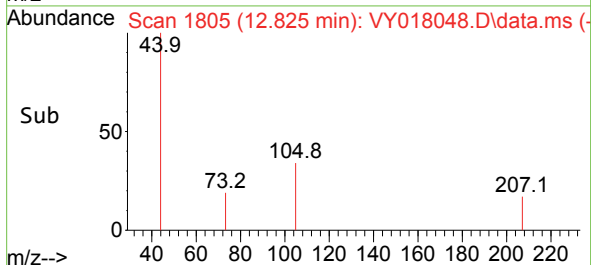
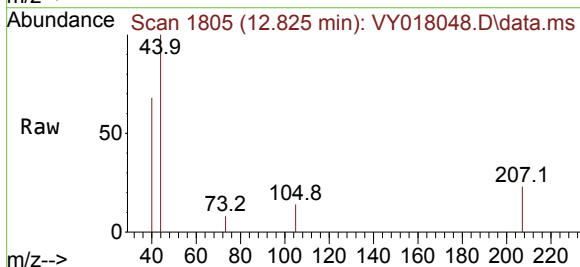
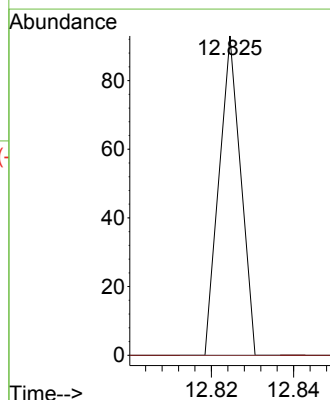
Acq: 25 Apr 2024 13:58

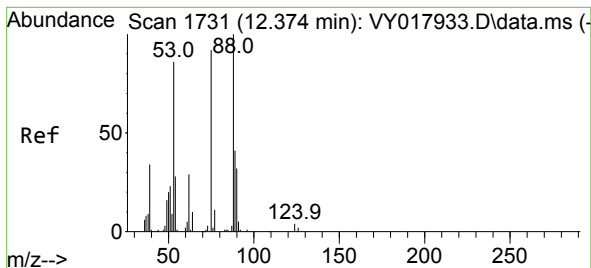
Tgt Ion:105 Resp: 34

Ion Ratio Lower Upper

105 100

120 0.0 25.1 75.2#

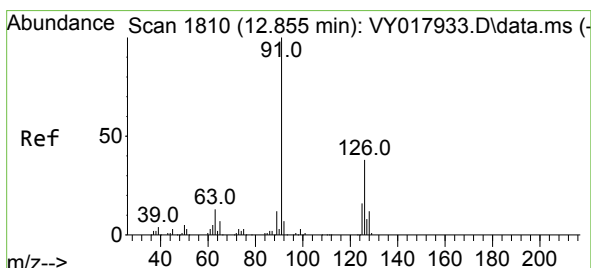
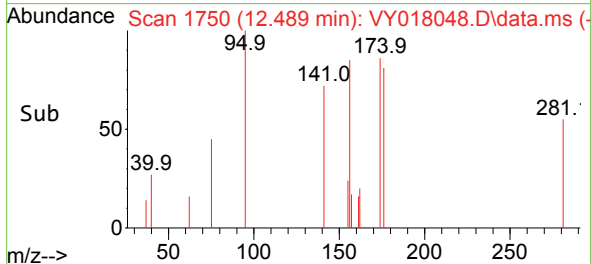
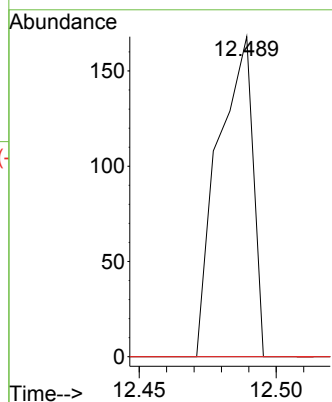
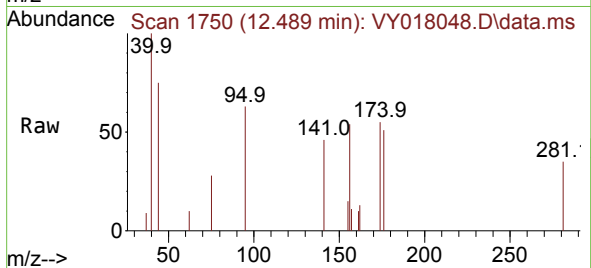




#81
trans-1,4-Dichloro-2-butene
Concen: 70.235 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

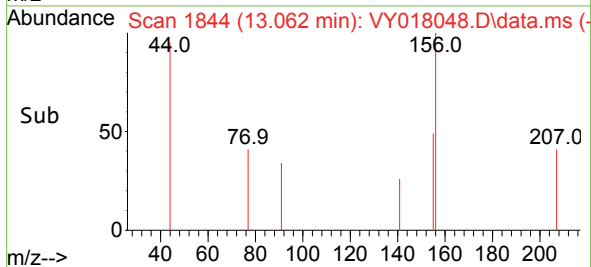
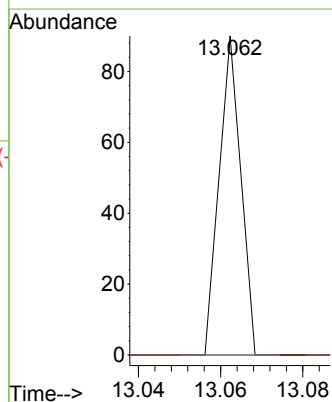
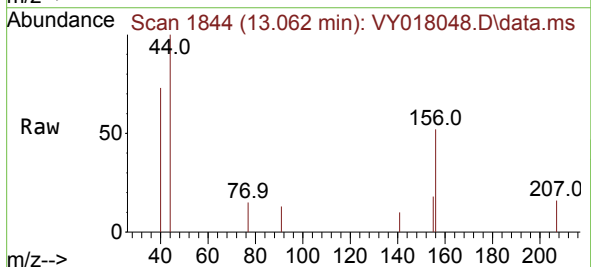
Instrument :
MSVOA_Y
ClientSampleId :

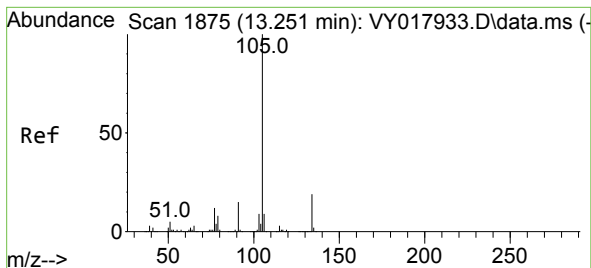
Tgt Ion: 75 Resp: 148
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.391 ug/l
RT: 13.062 min Scan# 1844
Delta R.T. 0.207 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 91 Resp: 33
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#





#85

sec-Butylbenzene

Concen: 3.597 ug/l

RT: 13.257 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

Instrument :

MSVOA_Y

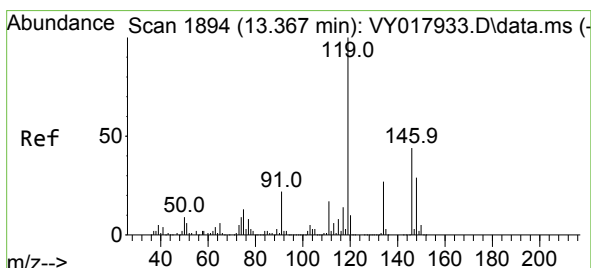
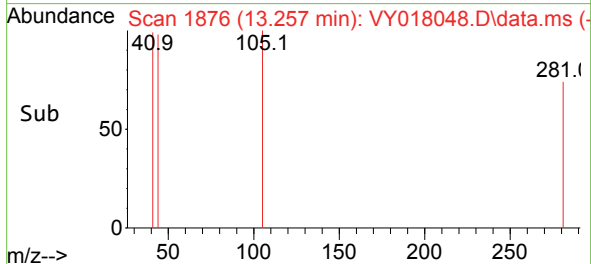
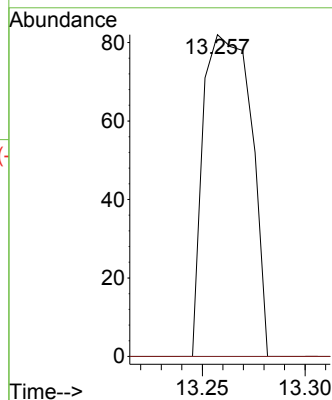
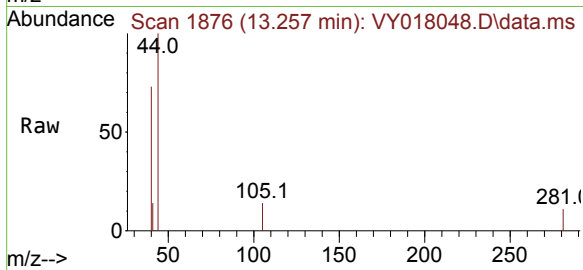
ClientSampleId :

Tgt Ion:105 Resp: 132

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.1#



#86

p-Isopropyltoluene

Concen: 4.013 ug/l

RT: 13.605 min Scan# 1933

Delta R.T. 0.238 min

Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

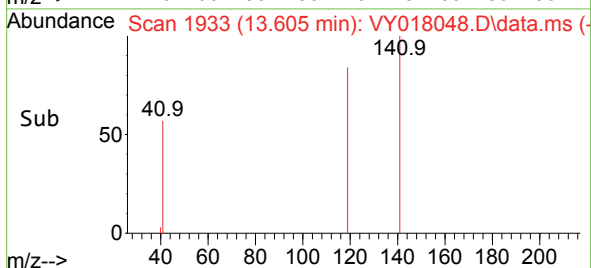
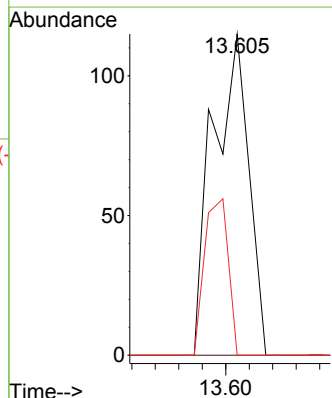
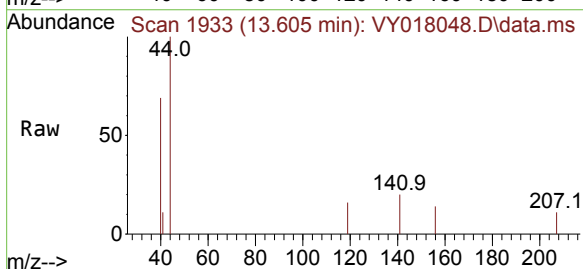
Tgt Ion:119 Resp: 121

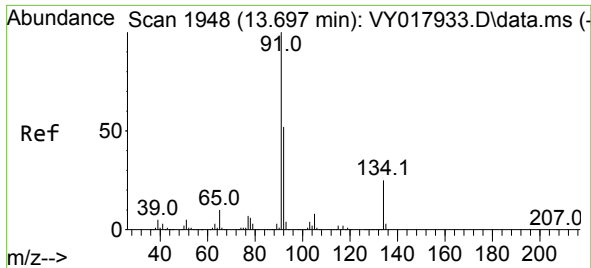
Ion Ratio Lower Upper

119 100

134 0.0 13.1 39.3#

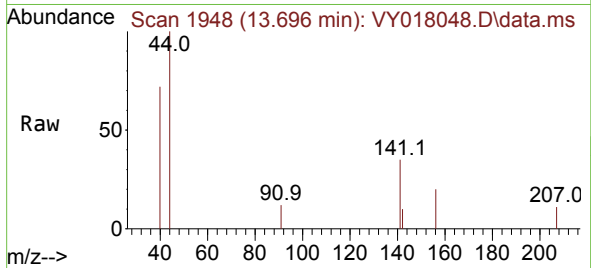
91 32.2 10.7 32.1#



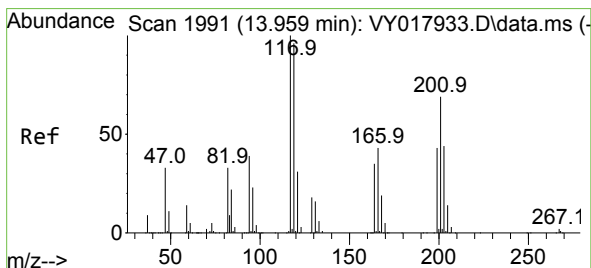
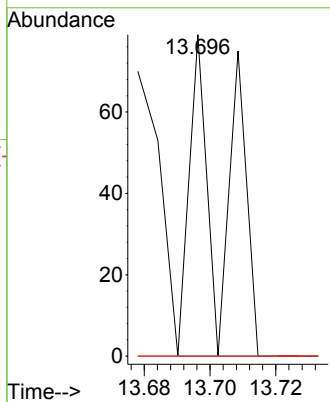
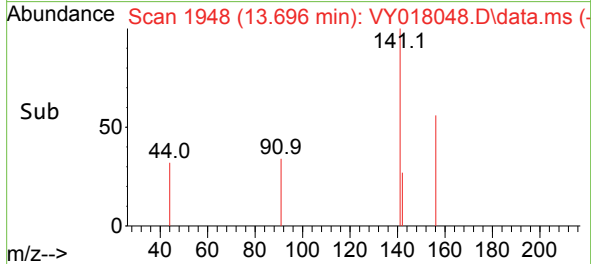


#89
n-Butylbenzene
Concen: 1.974 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :

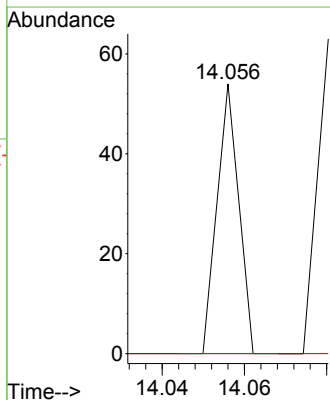
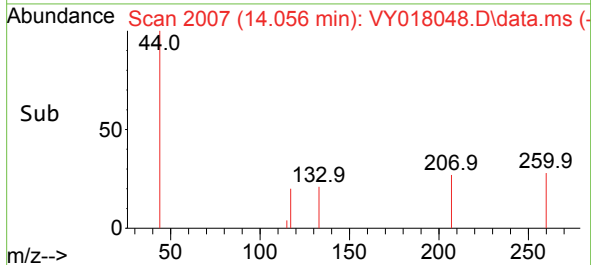
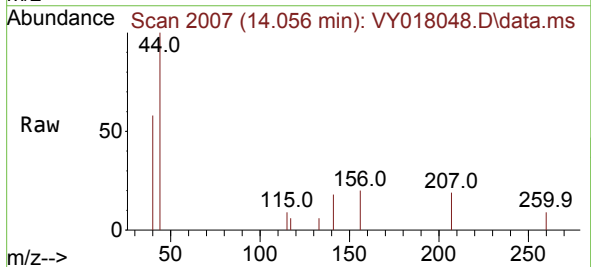


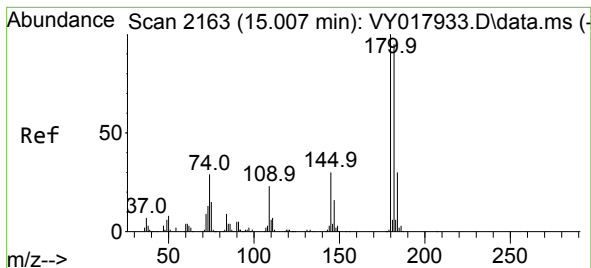
Tgt Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 12.9 38.7#



#90
Hexachloroethane
Concen: 3.234 ug/l
RT: 14.056 min Scan# 2007
Delta R.T. 0.098 min
Lab File: VY018048.D
Acq: 25 Apr 2024 13:58

Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.826 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.006 min

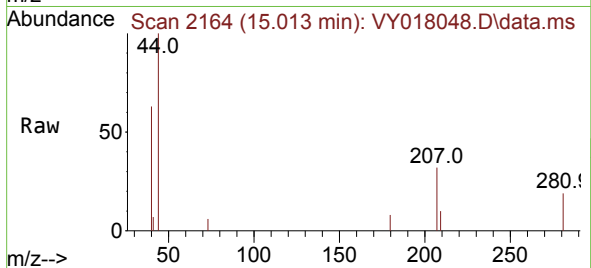
Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :



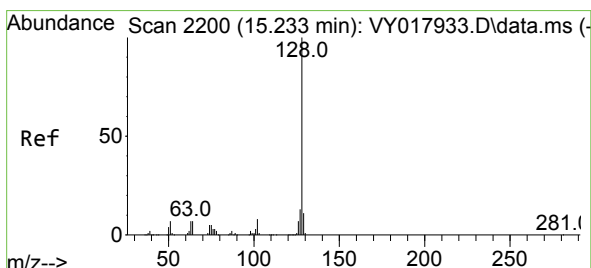
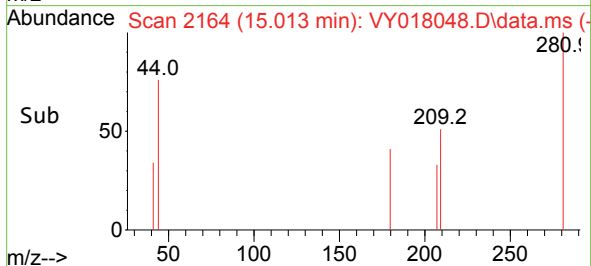
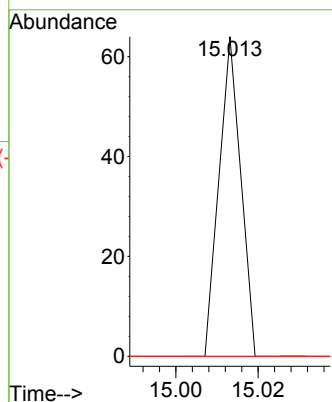
Tgt Ion:180 Resp: 23

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 14.2 42.6#



#95

Naphthalene

Concen: 5.741 ug/l

RT: 15.227 min Scan# 2199

Delta R.T. -0.006 min

Lab File: VY018048.D

Acq: 25 Apr 2024 13:58

Tgt Ion:128 Resp: 77

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

