

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042324\
 Data File : VY018019.D
 Acq On : 23 Apr 2024 11:25
 Operator : SY/MD
 Sample : P2227-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 24 01:12:54 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)

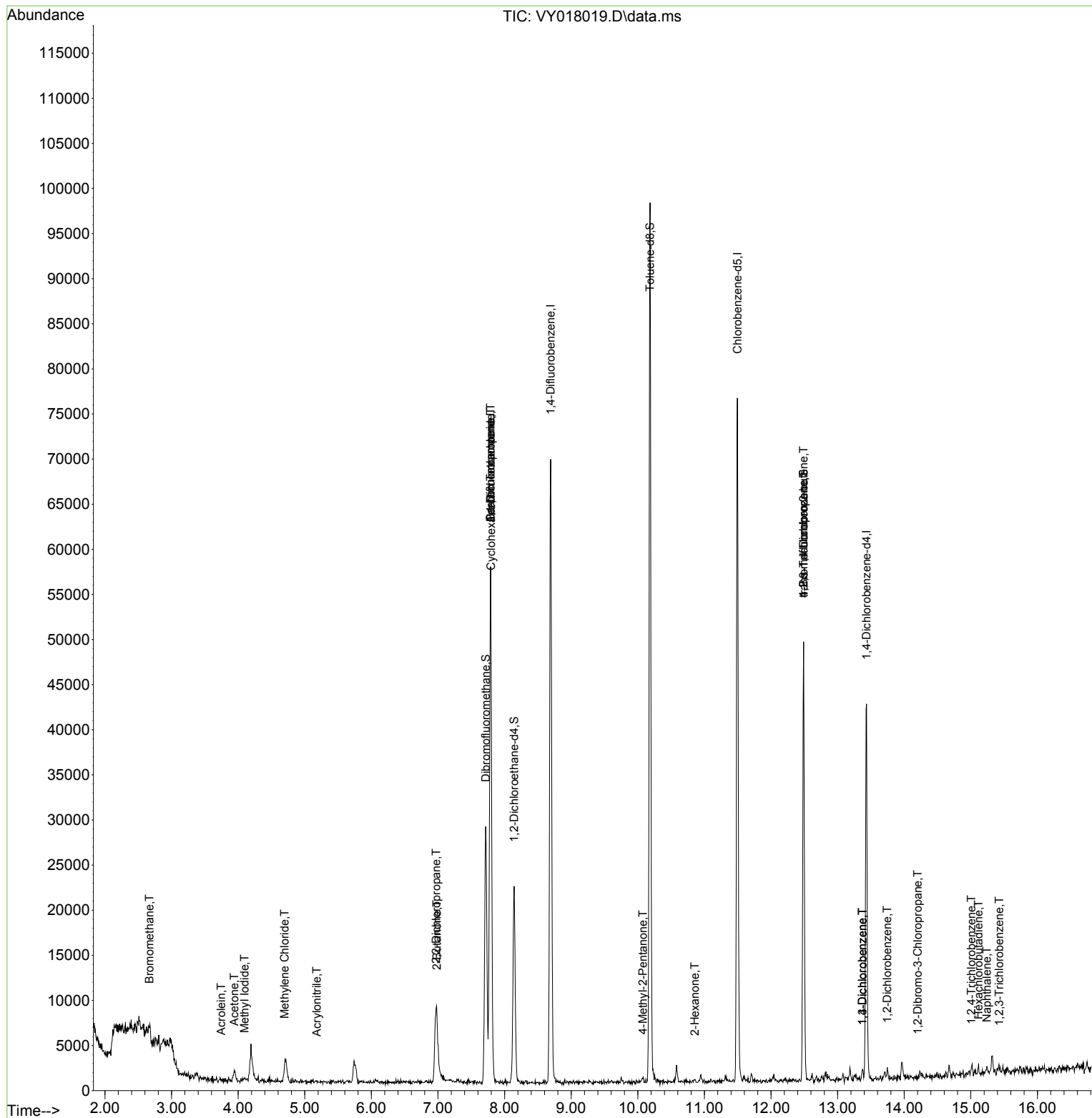
Internal Standards						
1) Pentafluorobenzene	7.789	168	45144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	63568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	44795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	11581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	16675	42.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.360%
35) Dibromofluoromethane	7.716	113	20762	52.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.880%
50) Toluene-d8	10.185	98	68837	46.258	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.520%
62) 4-Bromofluorobenzene	12.489	95	13071	28.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.720%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	693	1.557	ug/l #	63
10) Methyl Iodide	4.094	142	626	1.002	ug/l #	46
11) Tert butyl alcohol	4.936	59	202	Below Cal	#	88
13) Acrolein	3.747	56	72	2.366	ug/l #	15
15) Acrylonitrile	5.179	53	98	1.013	ug/l #	18
16) Acetone	3.942	43	1808	23.422	ug/l #	84
20) Methylene Chloride	4.698	84	1949	3.727	ug/l #	83
25) 2-Butanone	6.984	43	538	4.742	ug/l #	41
26) 2,2-Dichloropropane	6.972	77	931	1.375	ug/l #	51
31) Cyclohexane	7.795	56	979	1.311	ug/l #	72
36) 1,1-Dichloropropene	7.789	75	3711	6.507	ug/l #	49
38) Carbon Tetrachloride	7.789	117	3930	6.820	ug/l #	22
51) 4-Methyl-2-Pentanone	10.075	43	493	2.126	ug/l	95
59) 2-Hexanone	10.855	43	206	1.301	ug/l #	19
76) 1,2,3-Trichloropropane	12.489	75	6726	61.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	6726	127.609	ug/l #	16
87) 1,3-Dichlorobenzene	13.373	146	450	1.111	ug/l	83
88) 1,4-Dichlorobenzene	13.373	146	450	1.131	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	422	1.207	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.202	75	49	2.420	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.007	180	510	2.505	ug/l #	72
94) Hexachlorobutadiene	15.117	225	251	2.078	ug/l	78
95) Naphthalene	15.239	128	897	2.674	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.428	180	458	2.681	ug/l #	84

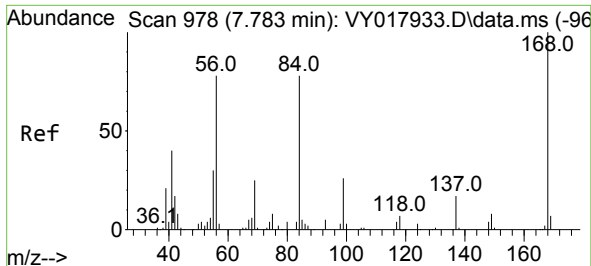
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 24 01:12:54 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

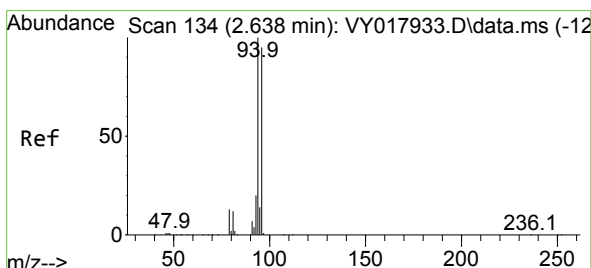
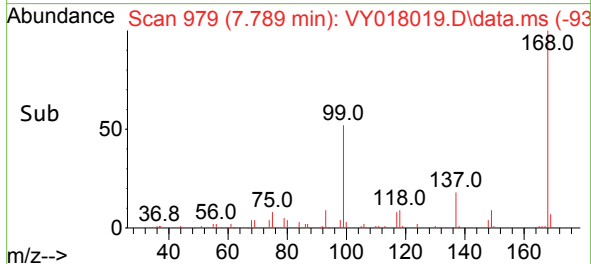
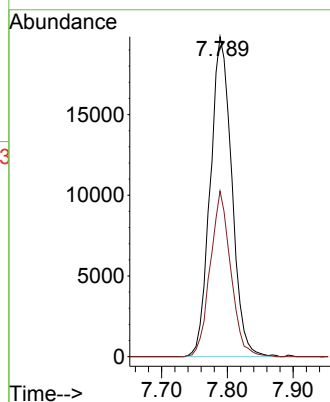
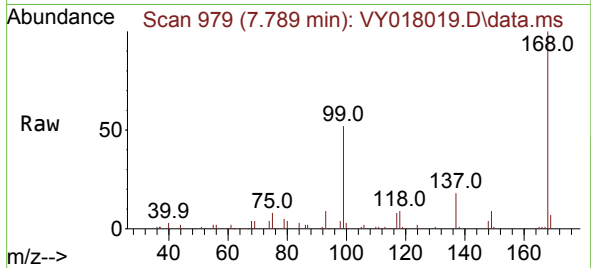




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

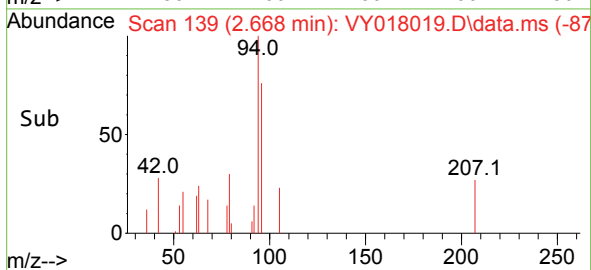
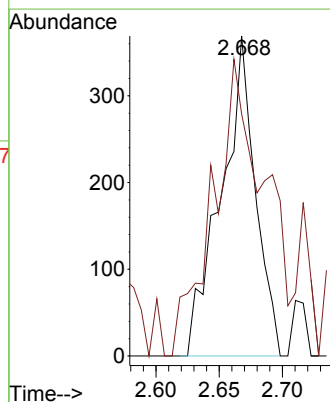
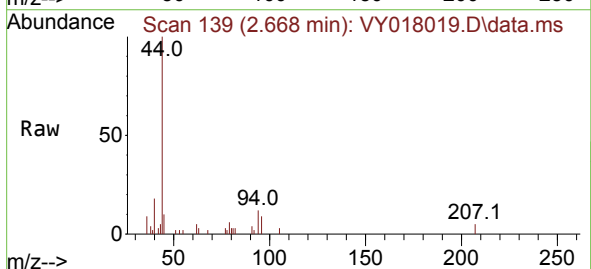
Instrument :
MSVOA_Y
ClientSampleId :

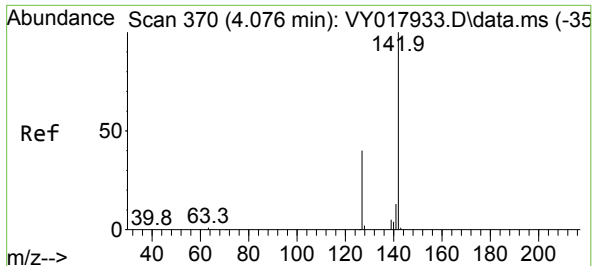
Tgt Ion:168 Resp: 45144
Ion Ratio Lower Upper
168 100
99 51.8 39.1 58.7



#5
Bromomethane
Concen: 1.557 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

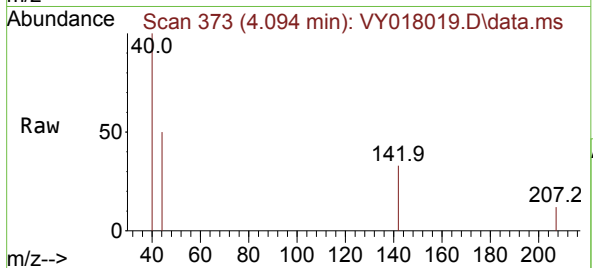
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 57.2 74.1 111.1#



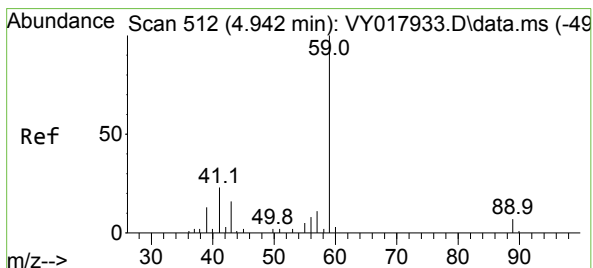
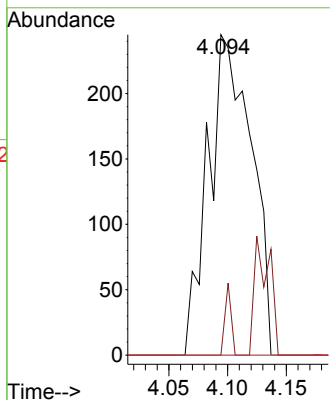
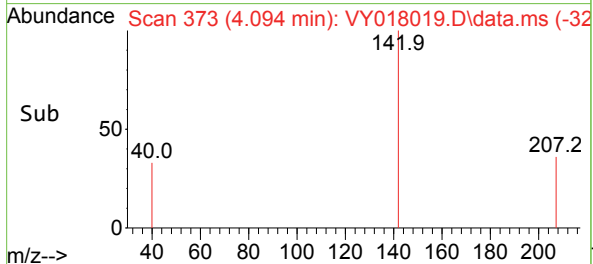


#10
Methyl Iodide
Concen: 1.002 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Instrument :
MSVOA_Y
ClientSampleId :

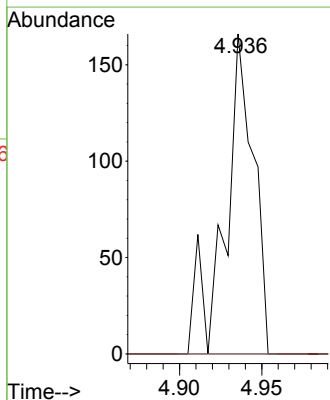
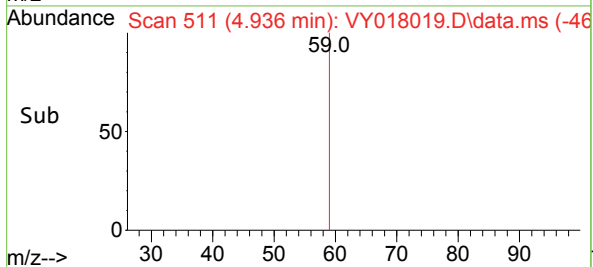
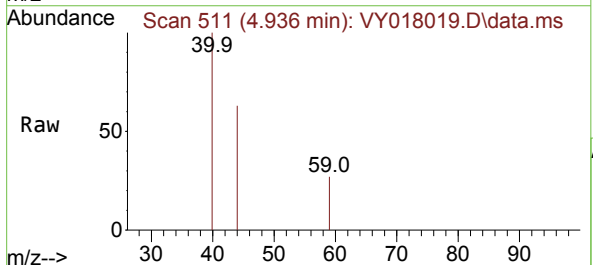


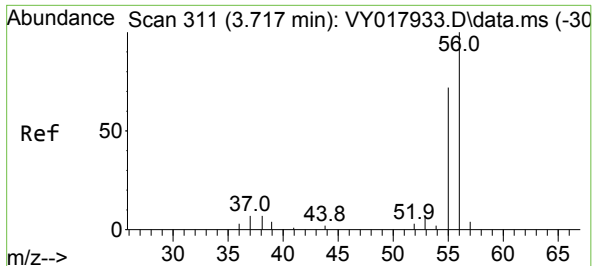
Tgt Ion:142 Resp: 626
Ion Ratio Lower Upper
142 100
127 3.2 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#13

Acrolein

Concen: 2.366 ug/l

RT: 3.747 min Scan# 311

Delta R.T. 0.018 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Instrument :

MSVOA_Y

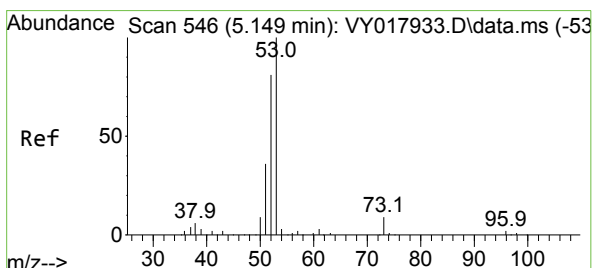
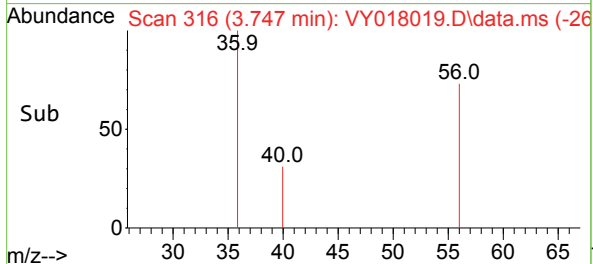
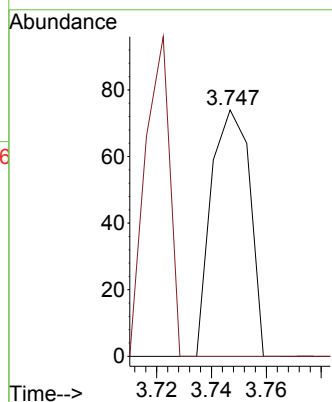
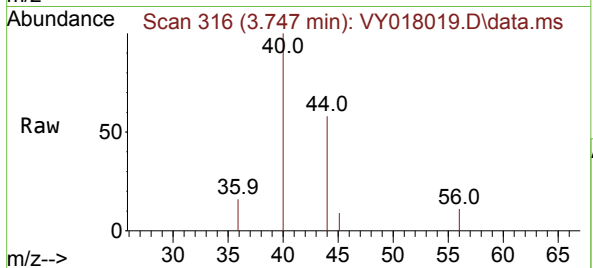
ClientSampleId :

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#15

Acrylonitrile

Concen: 1.013 ug/l

RT: 5.179 min Scan# 551

Delta R.T. 0.018 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

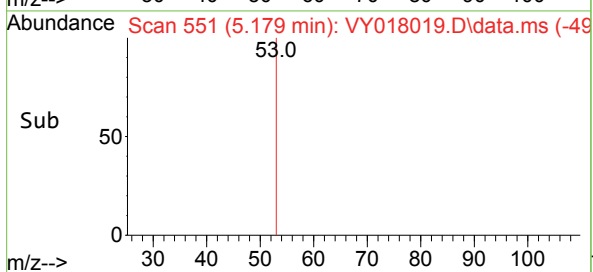
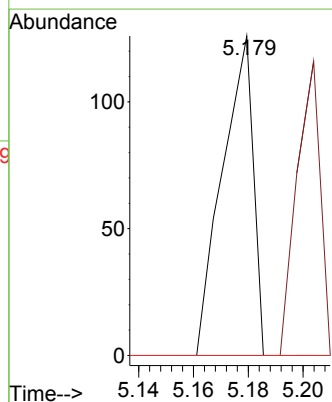
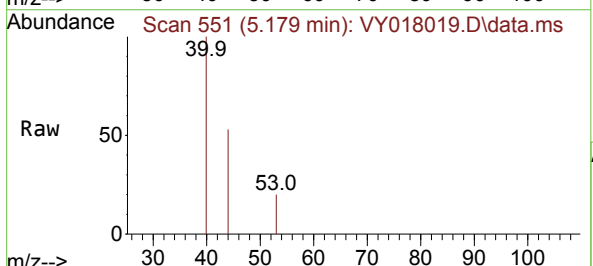
Tgt Ion: 53 Resp: 98

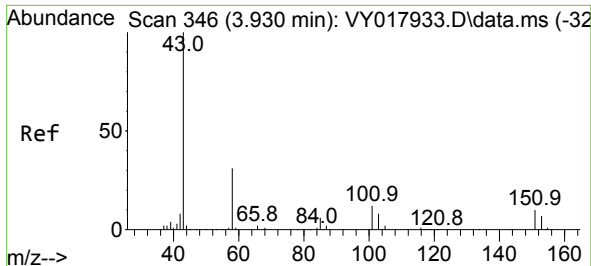
Ion Ratio Lower Upper

53 100

52 0.0 64.7 97.1#

51 0.0 28.4 42.6#

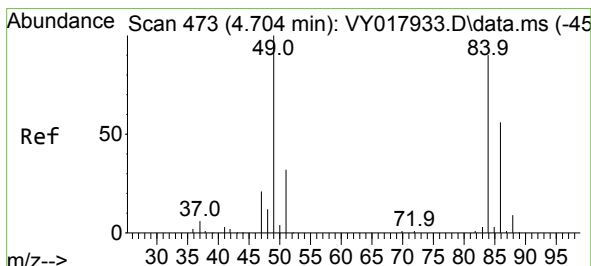
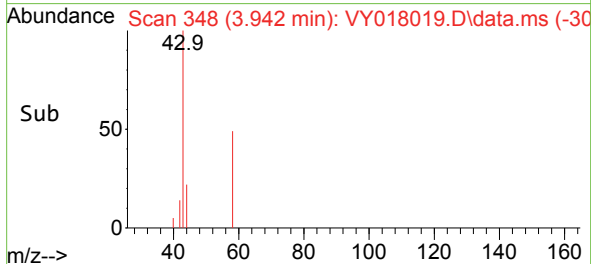
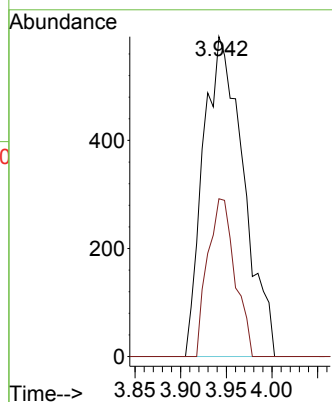
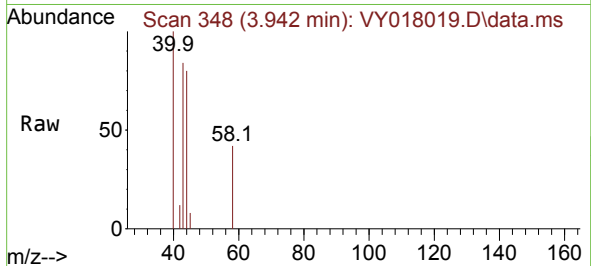




#16
Acetone
Concen: 23.422 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

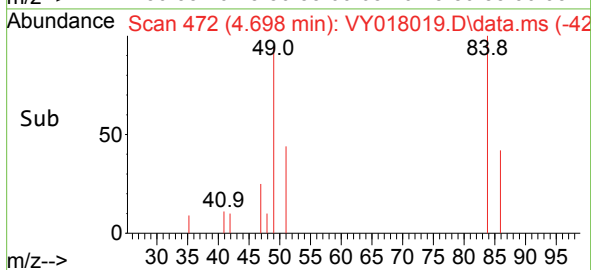
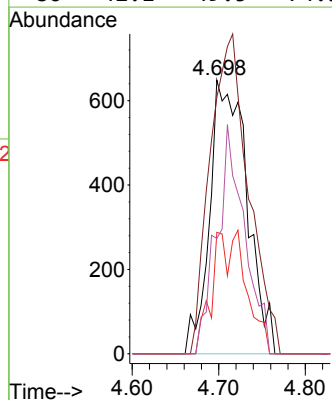
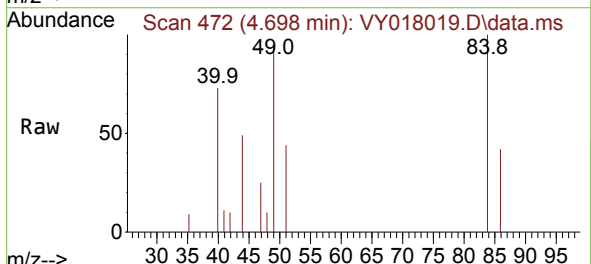
Instrument :
MSVOA_Y
ClientSampleId :

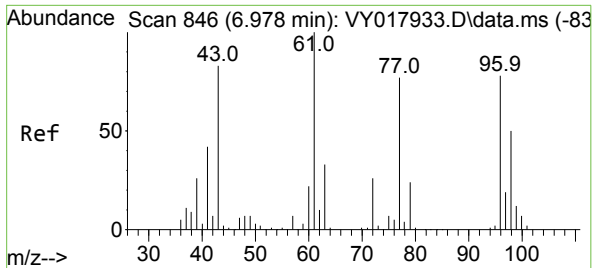
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
58 49.3 31.7 47.5#



#20
Methylene Chloride
Concen: 3.727 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.018 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Tgt Ion: 84 Resp: 1949
Ion Ratio Lower Upper
84 100
49 93.7 84.4 126.6
51 44.4 26.0 39.0#
86 42.1 49.5 74.3#





#25

2-Butanone

Concen: 4.742 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Instrument :

MSVOA_Y

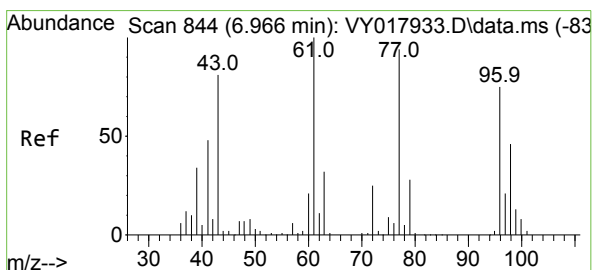
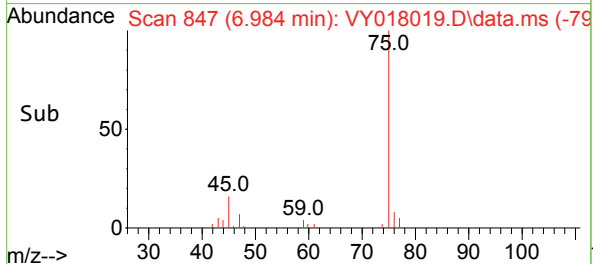
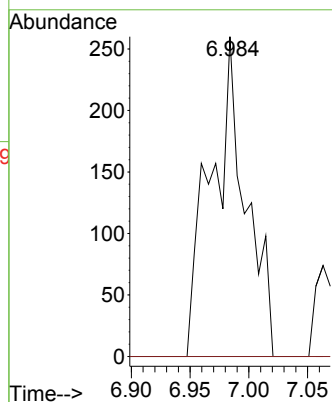
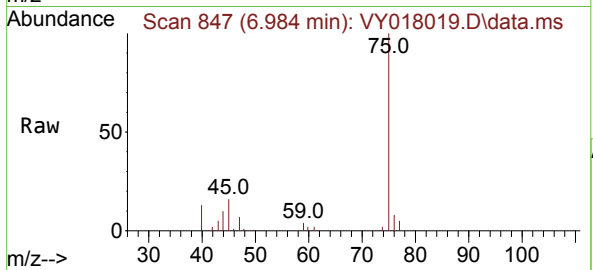
ClientSampleId :

Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.375 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY018019.D

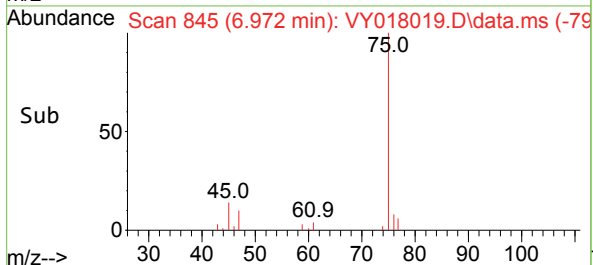
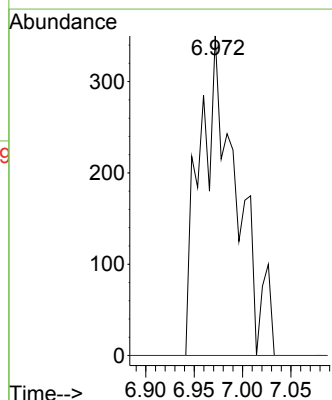
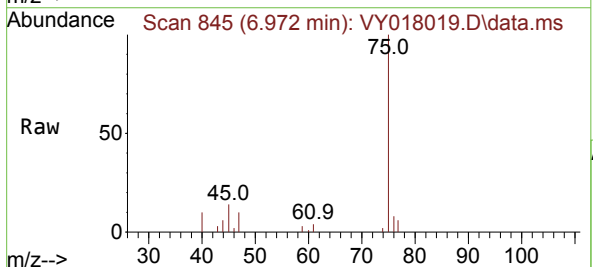
Acq: 23 Apr 2024 11:25

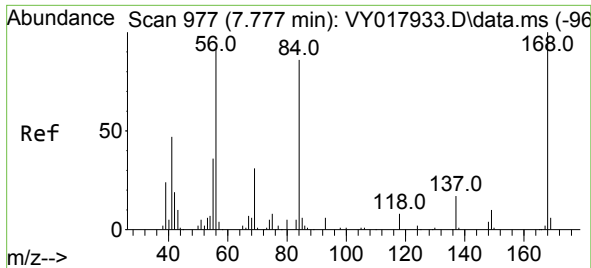
Tgt Ion: 77 Resp: 931

Ion Ratio Lower Upper

77 100

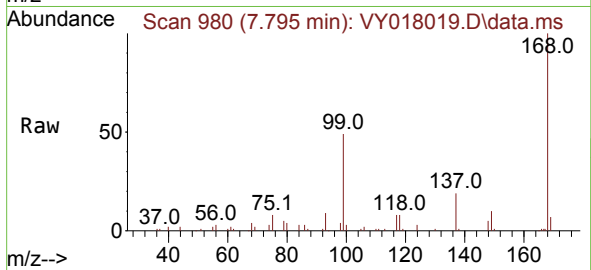
97 0.0 12.0 36.1#



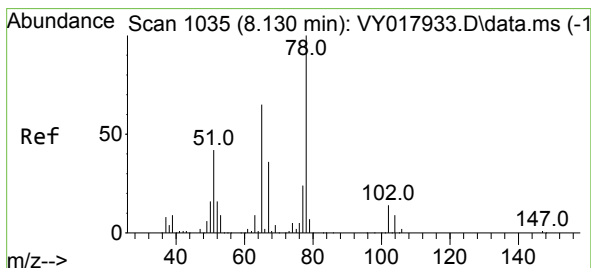
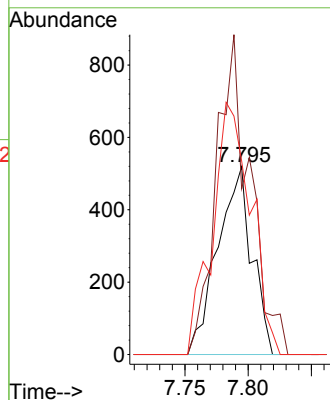
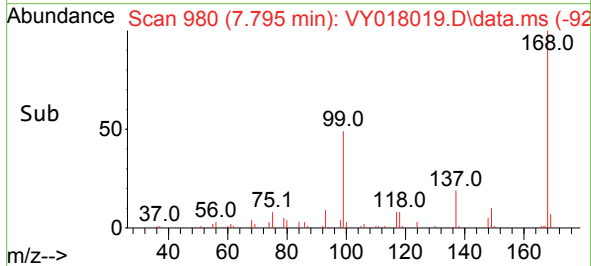


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Instrument :
MSVOA_Y
ClientSampleId :

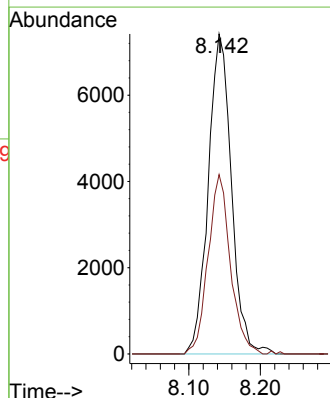
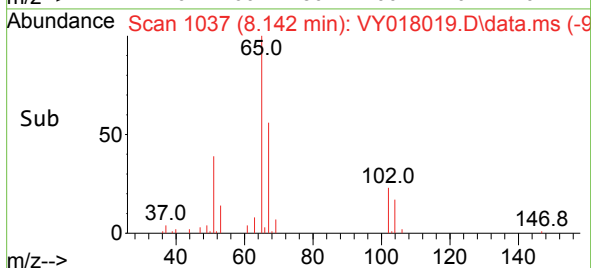
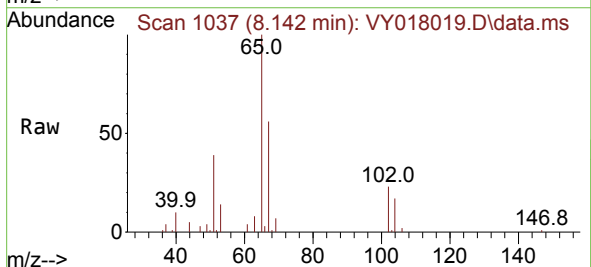


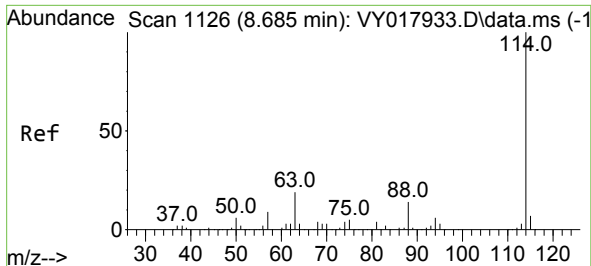
Tgt Ion: 56 Resp: 979
Ion Ratio Lower Upper
56 100
69 88.2 28.7 43.1#
84 103.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 42.684 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Tgt Ion: 65 Resp: 16675
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY018019.D

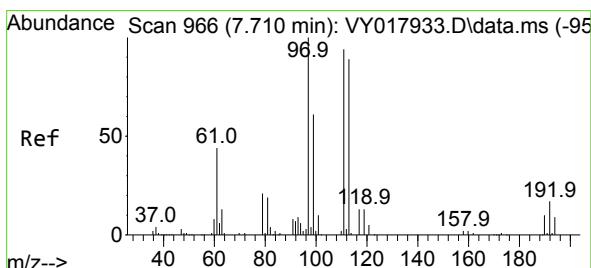
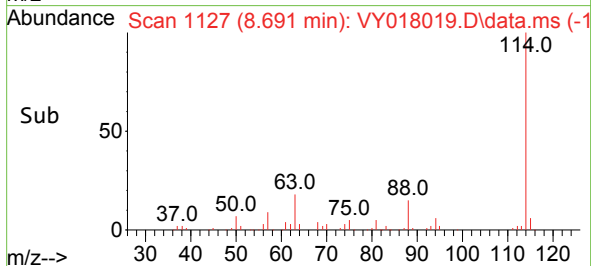
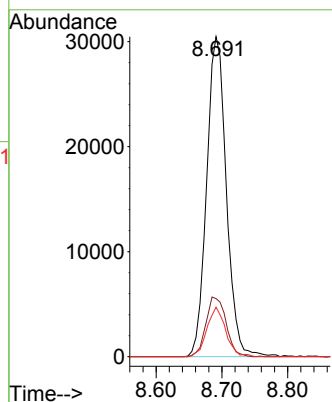
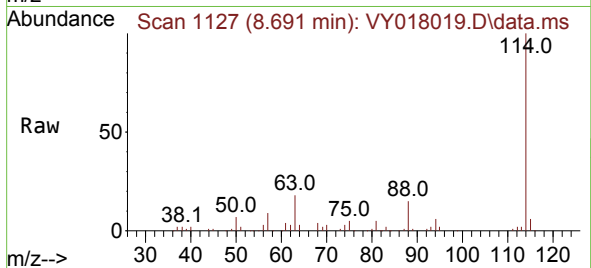
Acq: 23 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	63568
Ion Ratio	Lower	Upper
114	100	
63	18.1	0.0 35.0
88	15.4	0.0 27.2



#35

Dibromofluoromethane

Concen: 52.941 ug/l

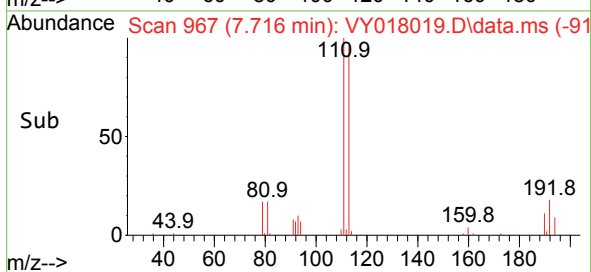
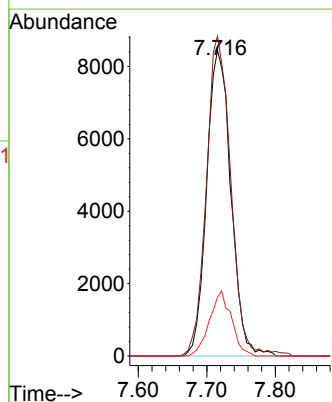
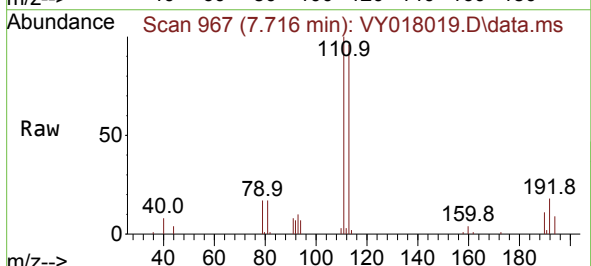
RT: 7.716 min Scan# 967

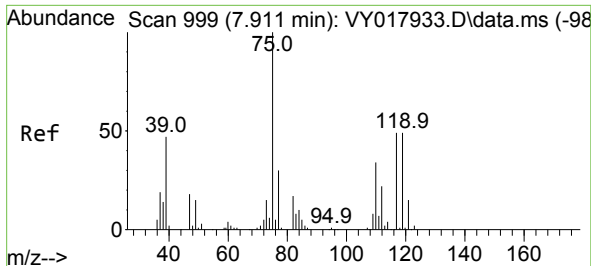
Delta R.T. -0.006 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Tgt Ion:113	Resp:	20762
Ion Ratio	Lower	Upper
113	100	
111	105.5	82.2 123.4
192	19.2	15.9 23.9

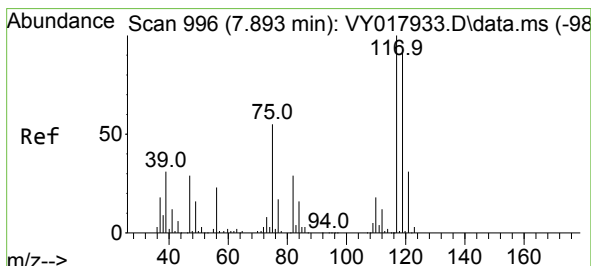
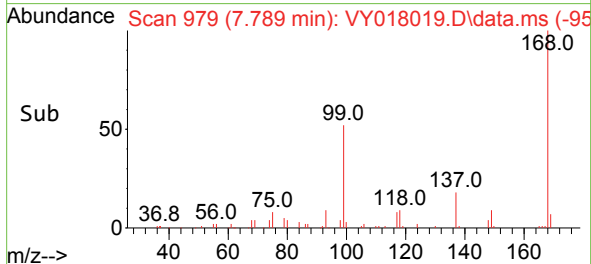
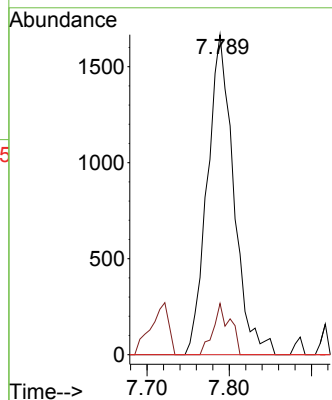
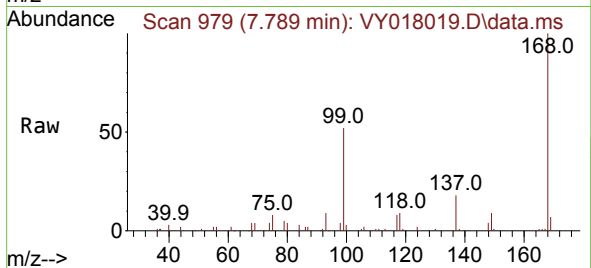




#36
 1,1-Dichloropropene
 Concen: 6.507 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY018019.D
 Acq: 23 Apr 2024 11:25

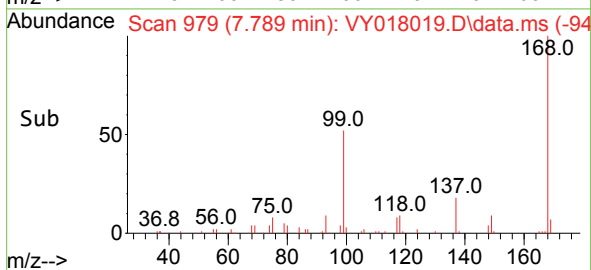
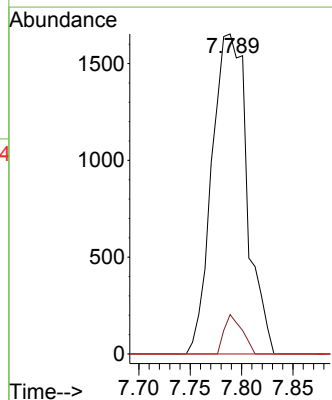
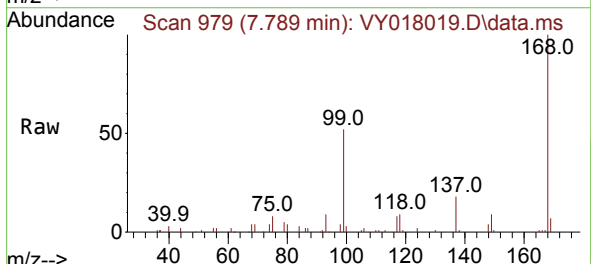
Instrument :
 MSVOA_Y
 ClientSampleId :

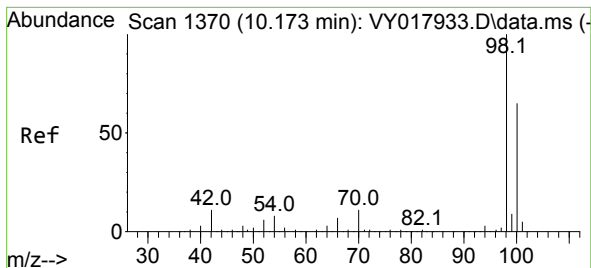
Tgt Ion: 75 Resp: 3711
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.820 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.116 min
 Lab File: VY018019.D
 Acq: 23 Apr 2024 11:25

Tgt Ion: 117 Resp: 3930
 Ion Ratio Lower Upper
 117 100
 119 12.3 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.258 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Instrument :

MSVOA_Y

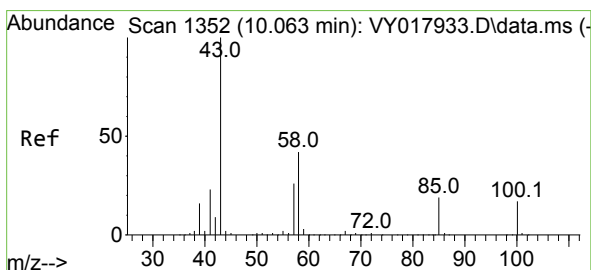
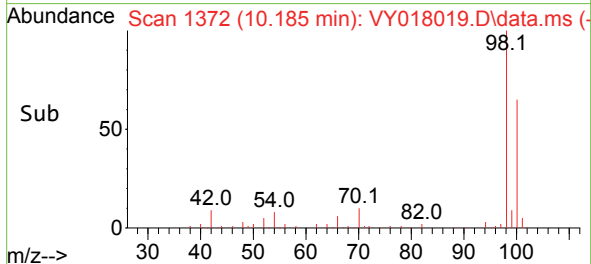
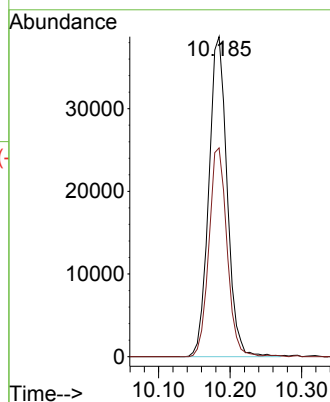
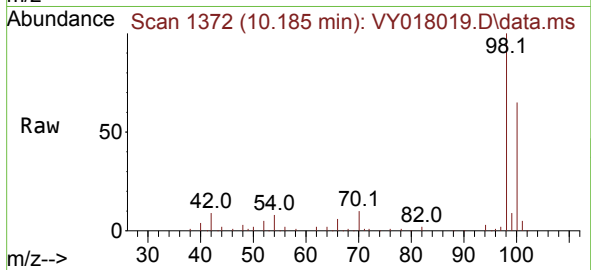
ClientSampleId :

Tgt Ion: 98 Resp: 68837

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.126 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY018019.D

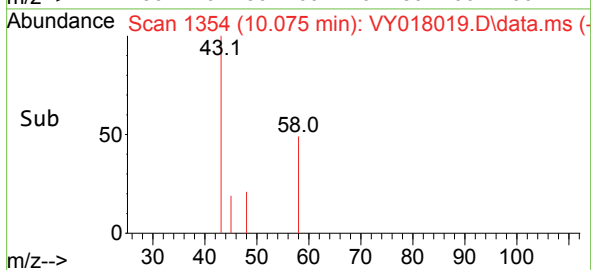
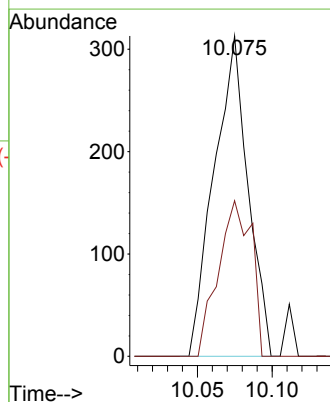
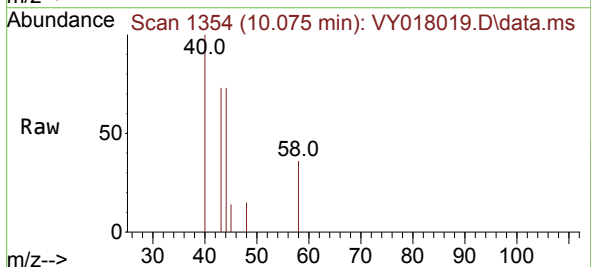
Acq: 23 Apr 2024 11:25

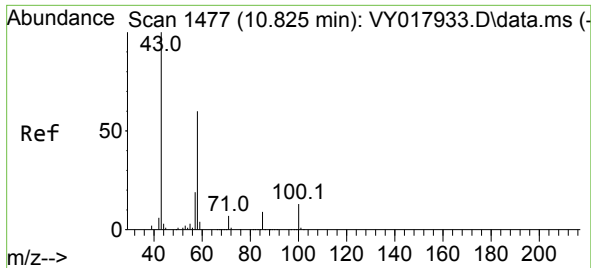
Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

58 47.7 35.7 53.5

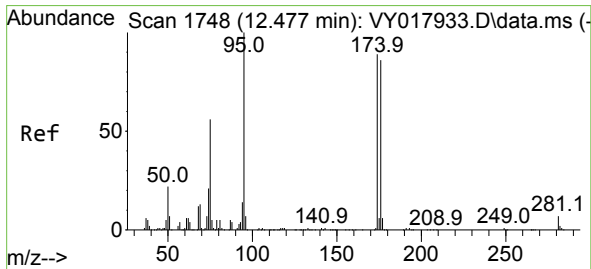
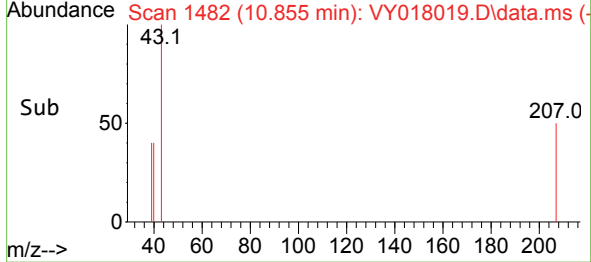
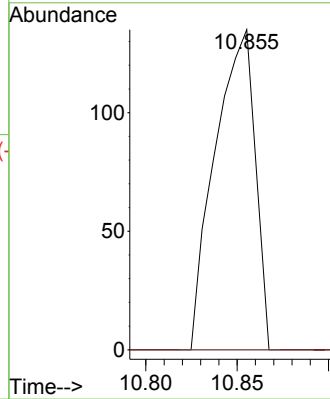
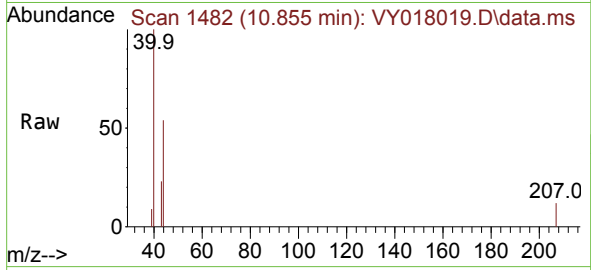




#59
2-Hexanone
Concen: 1.301 ug/l
RT: 10.855 min Scan# 1477
Delta R.T. 0.024 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

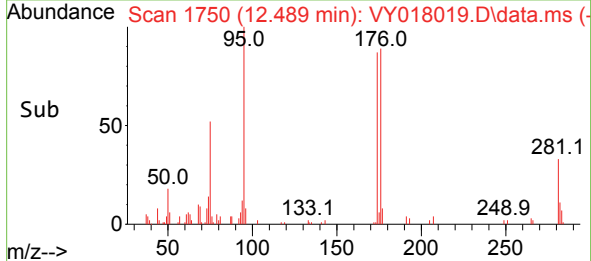
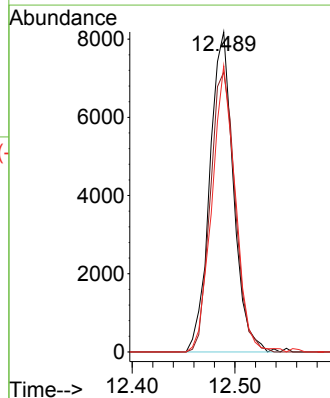
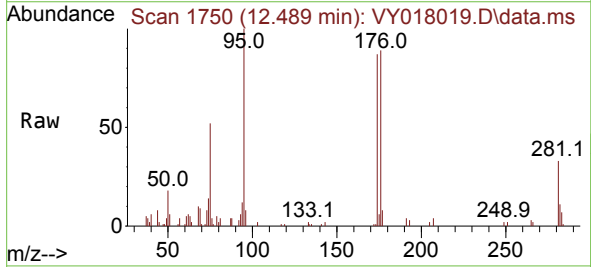
Instrument :
MSVOA_Y
ClientSampleId :

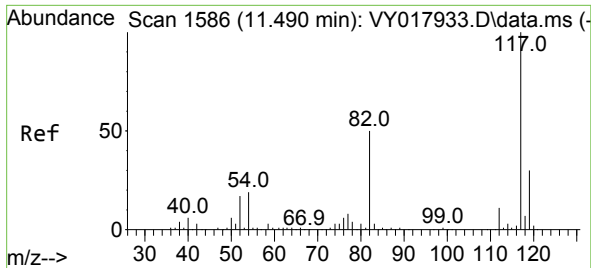
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 28.361 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

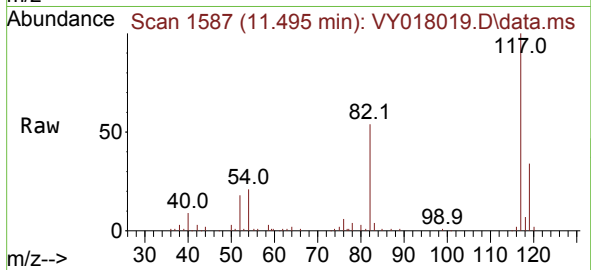
Tgt Ion: 95 Resp: 13071
Ion Ratio Lower Upper
95 100
174 91.7 0.0 175.6
176 88.6 0.0 171.4



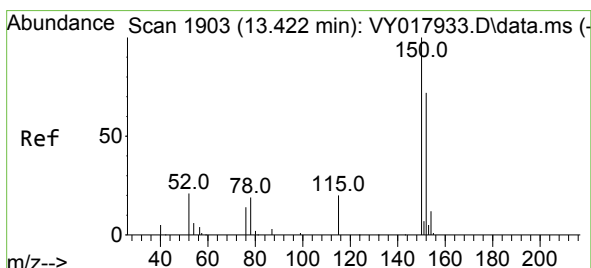
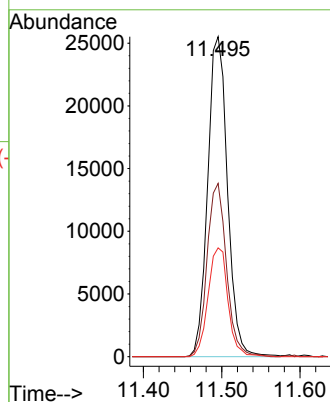
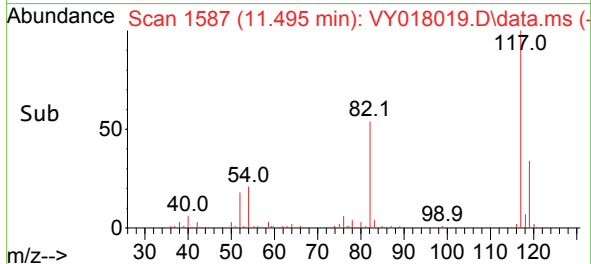


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Instrument :
MSVOA_Y
ClientSampleId :

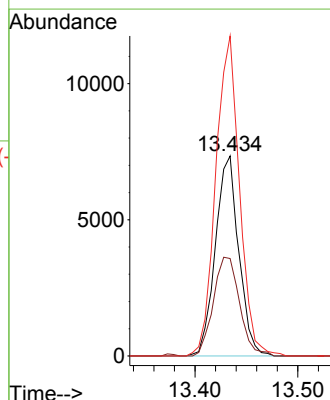
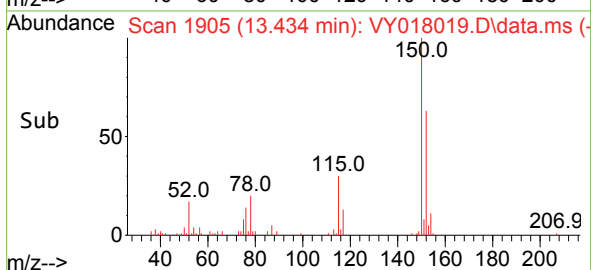
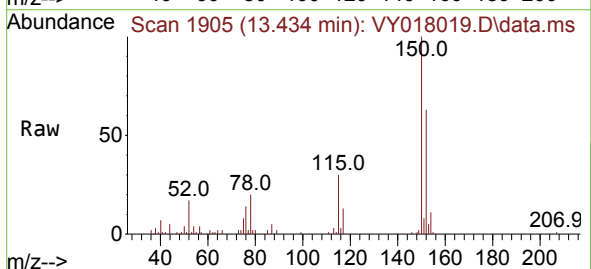


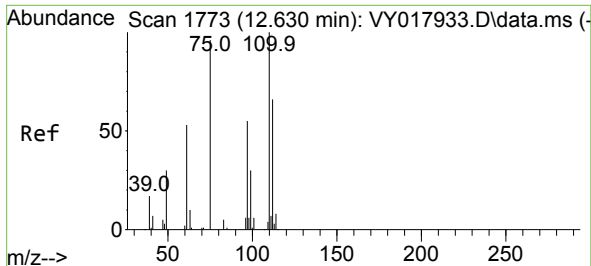
Tgt Ion:117 Resp: 44795
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 34.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Tgt Ion:152 Resp: 11581
Ion Ratio Lower Upper
152 100
115 55.5 28.2 84.7
150 162.6 0.0 345.6

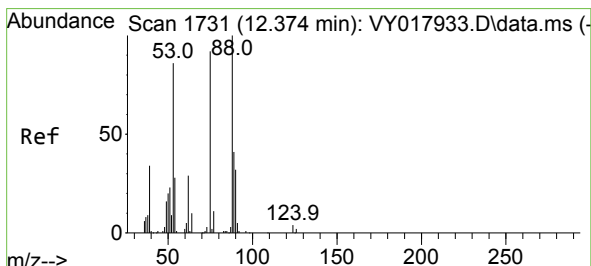
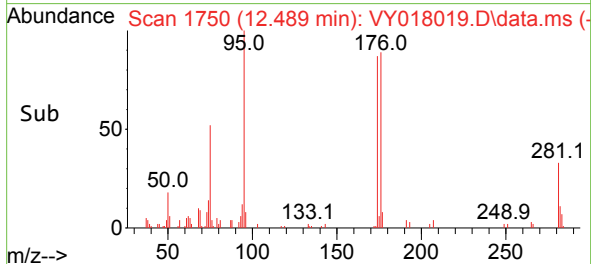
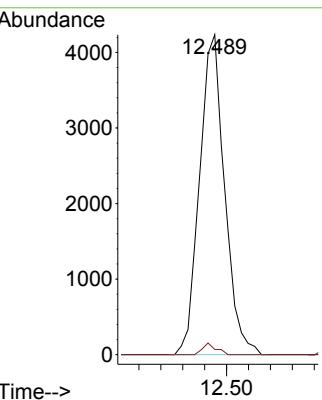
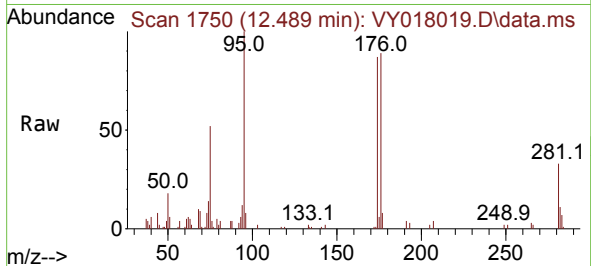




#76
1,2,3-Trichloropropane
Concen: 61.891 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

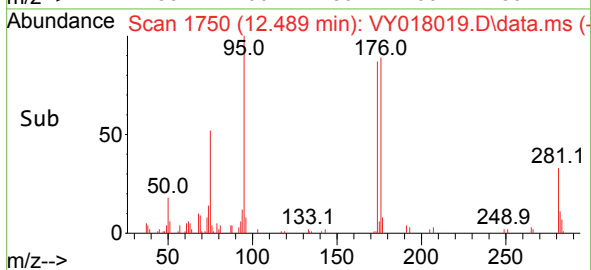
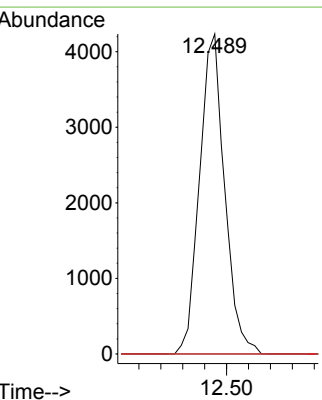
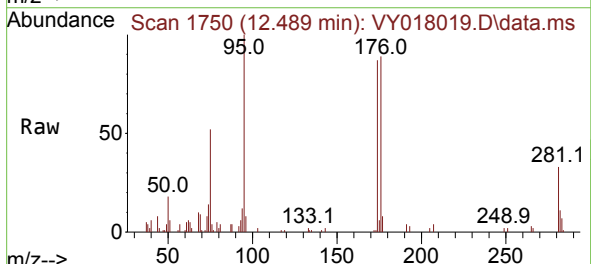
Instrument :
MSVOA_Y
ClientSampleId :

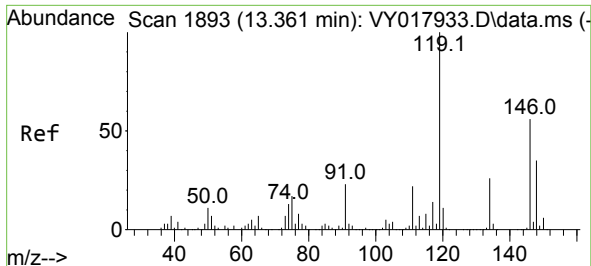
Tgt Ion: 75 Resp: 6726
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.609 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

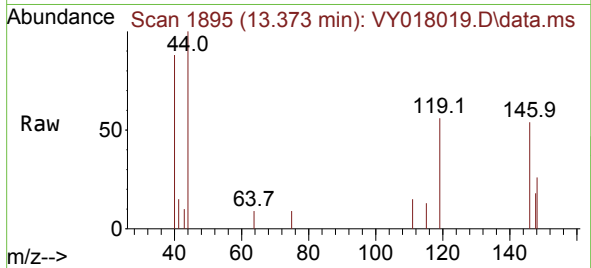
Tgt Ion: 75 Resp: 6726
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



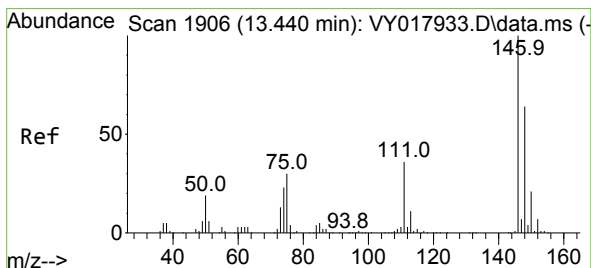
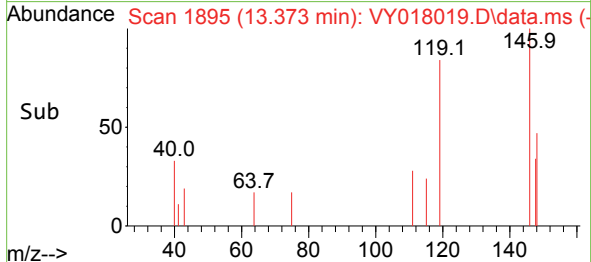
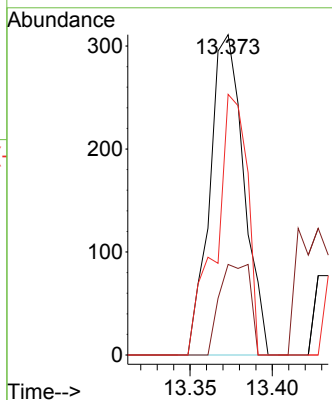


#87
 1,3-Dichlorobenzene
 Concen: 1.111 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY018019.D
 Acq: 23 Apr 2024 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :

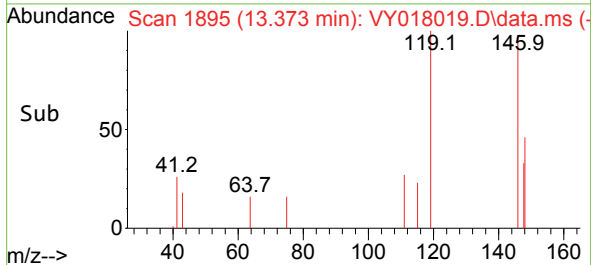
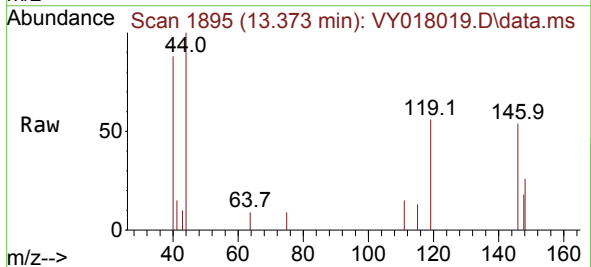
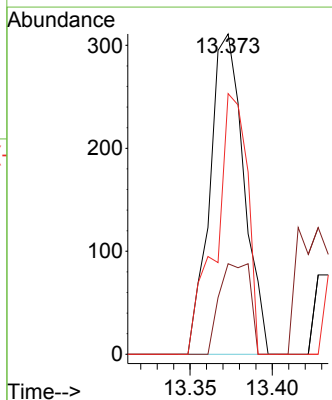


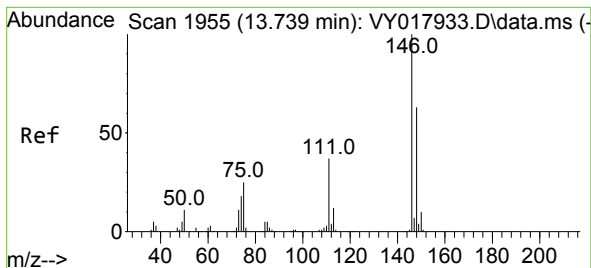
Tgt Ion:146 Resp: 450
 Ion Ratio Lower Upper
 146 100
 111 25.6 19.0 57.0
 148 75.1 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 1.131 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.073 min
 Lab File: VY018019.D
 Acq: 23 Apr 2024 11:25

Tgt Ion:146 Resp: 450
 Ion Ratio Lower Upper
 146 100
 111 25.6 18.4 55.4
 148 75.1 32.4 97.2





#91

1,2-Dichlorobenzene

Concen: 1.207 ug/l

RT: 13.745 min Scan# 1955

Delta R.T. 0.006 min

Lab File: VY018019.D

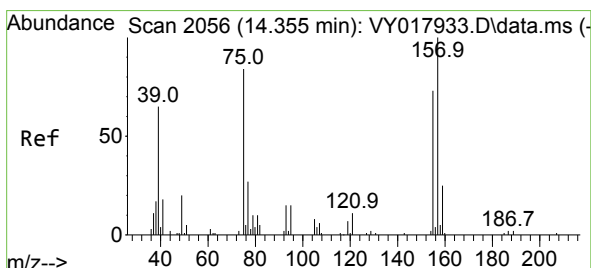
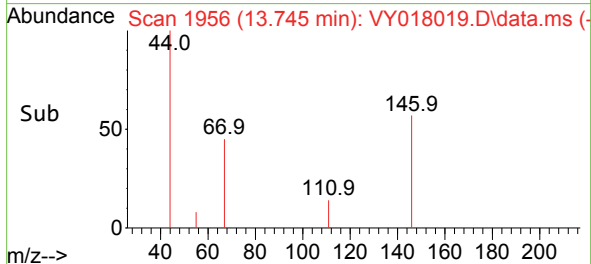
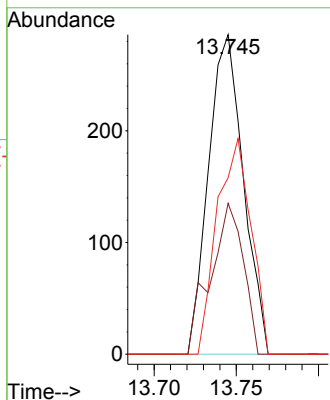
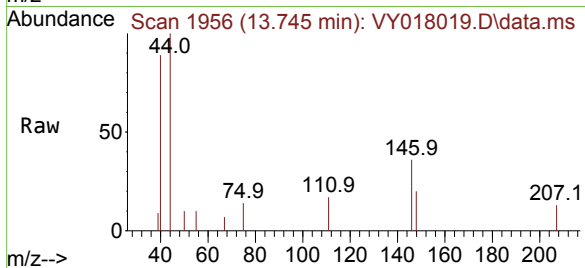
Acq: 23 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	422
Ion	Ratio	Lower Upper
146	100	
111	44.8	19.9 59.7
148	65.6	31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.420 ug/l

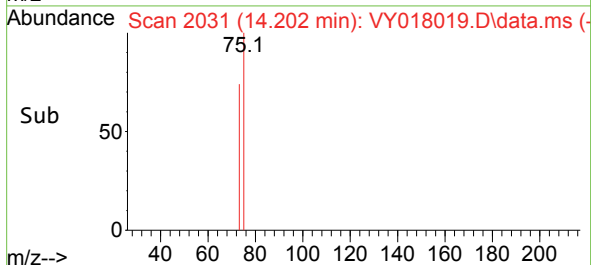
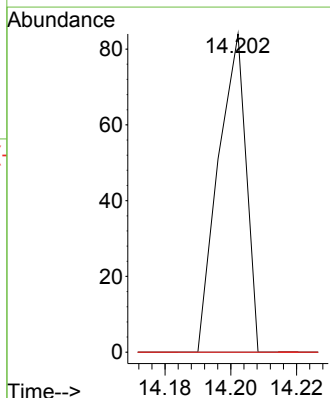
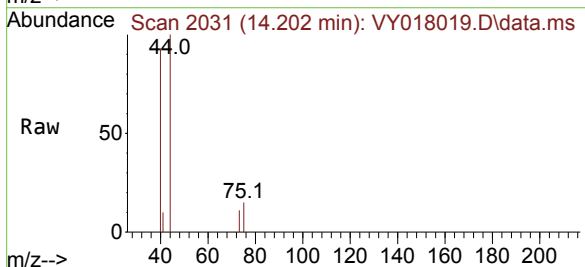
RT: 14.202 min Scan# 2031

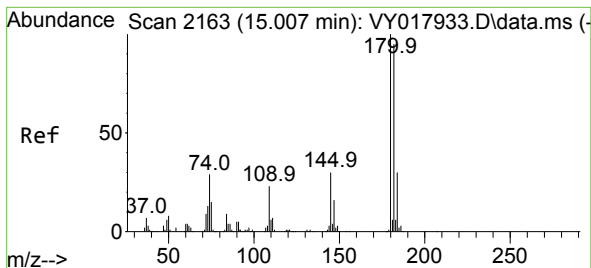
Delta R.T. -0.153 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Tgt Ion: 75	Resp:	49
Ion	Ratio	Lower Upper
75	100	
155	0.0	48.6 145.8#
157	0.0	62.7 188.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.505 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

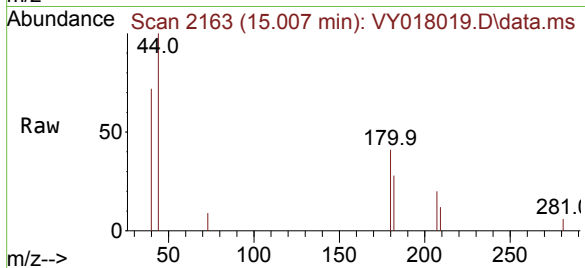
Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

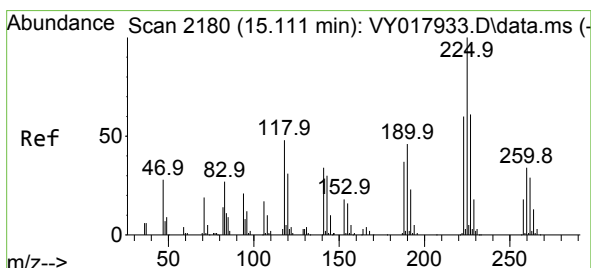
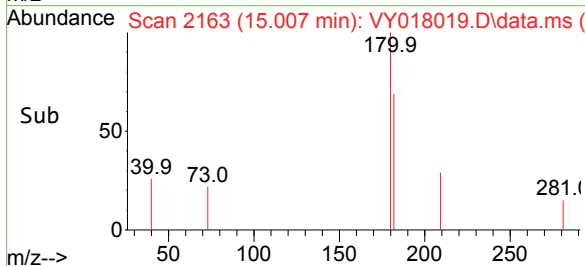
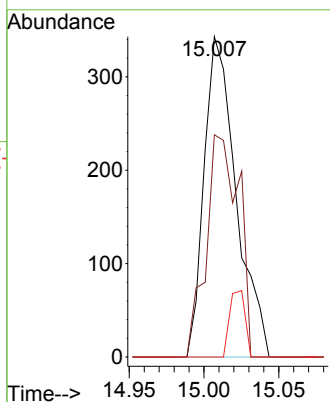
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	180	Resp:	510
Ion Ratio	Lower	Upper	
180	100		
182	70.8	47.9	143.8
145	10.0	14.2	42.6#



#94

Hexachlorobutadiene

Concen: 2.078 ug/l

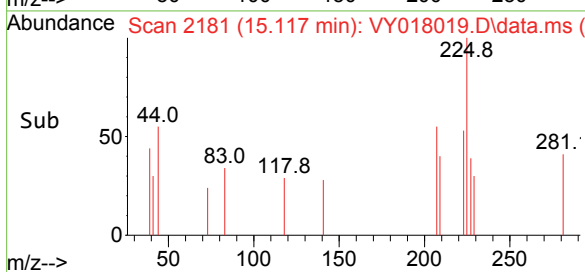
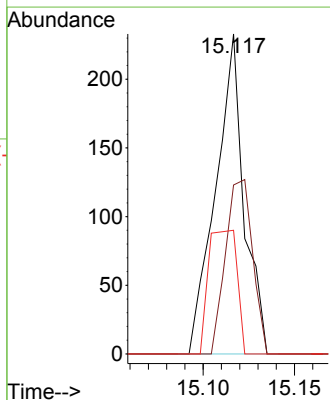
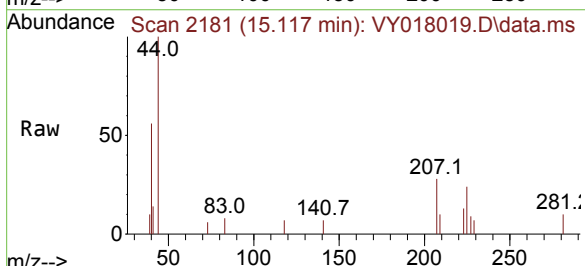
RT: 15.117 min Scan# 2181

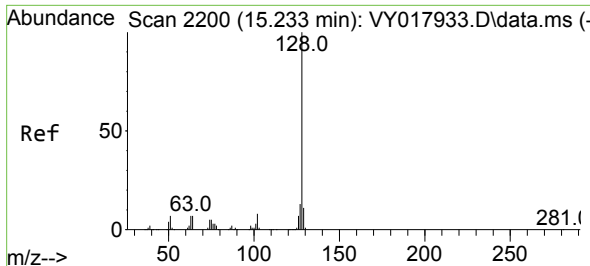
Delta R.T. 0.006 min

Lab File: VY018019.D

Acq: 23 Apr 2024 11:25

Tgt Ion:	225	Resp:	251
Ion Ratio	Lower	Upper	
225	100		
223	51.8	30.4	91.2
227	39.0	31.9	95.9

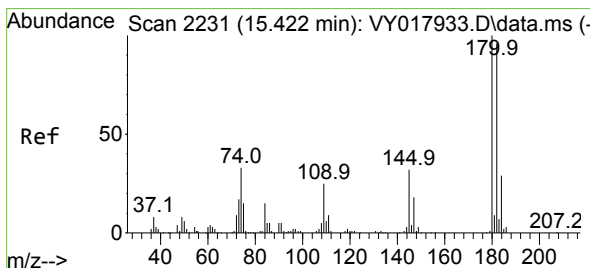
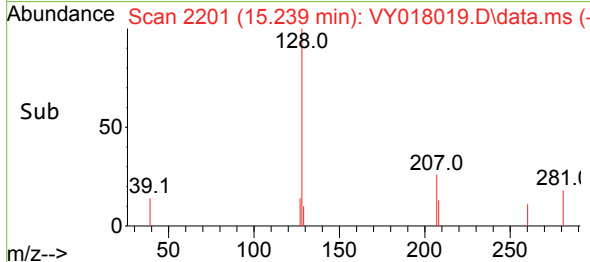
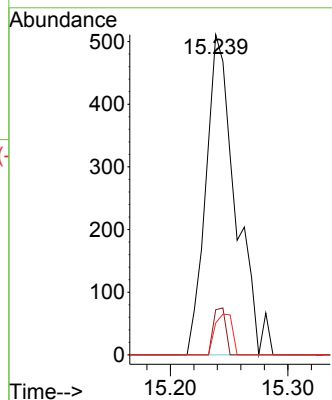
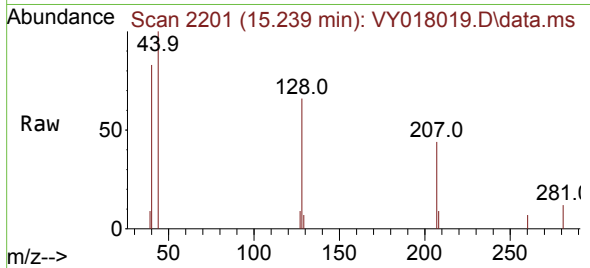




#95
Naphthalene
Concen: 2.674 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 897
Ion Ratio Lower Upper
128 100
127 6.0 10.6 16.0#
129 7.4 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.681 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY018019.D
Acq: 23 Apr 2024 11:25

Tgt Ion:180 Resp: 458
Ion Ratio Lower Upper
180 100
182 102.4 47.6 142.9
145 6.8 15.4 46.1#

