

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072623\
 Data File : VY014856.D
 Acq On : 26 Jul 2023 17:51
 Operator : SY/MD
 Sample : 03681-08
 Misc : 4.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 27 01:11:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

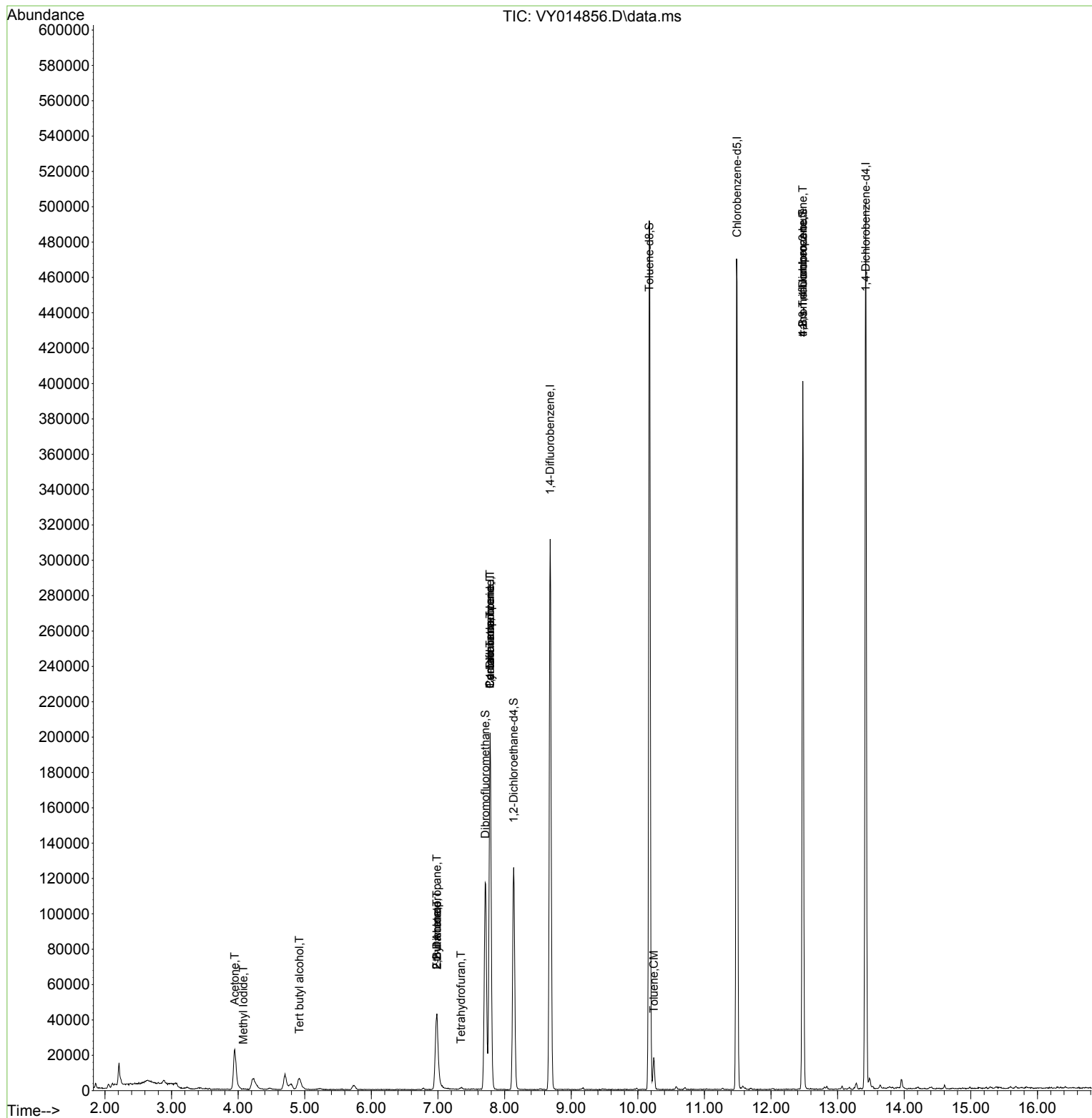
Internal Standards						
1) Pentafluorobenzene	7.783	168	154830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	257451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	98144	55.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.710	113	83996	48.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.173	98	320100	50.216	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.477	95	118683	48.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.120%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.076	142	309	2.540	ug/l #	45
11) Tert butyl alcohol	4.918	59	8031	10.129	ug/l #	89
16) Acetone	3.948	43	42493	76.002	ug/l	93
20) Methylene Chloride	4.704	84	6095	Below Cal	#	76
25) 2-Butanone	6.984	43	3758	4.594	ug/l	90
26) 2,2-Dichloropropane	6.984	77	3399	1.132	ug/l #	54
29) Tetrahydrofuran	7.344	42	673	1.336	ug/l #	84
31) Cyclohexane	7.783	56	3223	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12555	4.856	ug/l #	49
37) Ethyl Acetate	6.984	43	3758	2.111	ug/l #	28
38) Carbon Tetrachloride	7.783	117	15448	5.652	ug/l #	16
52) Toluene	10.240	92	7441	1.581	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	63597	40.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63597	78.558	ug/l #	10

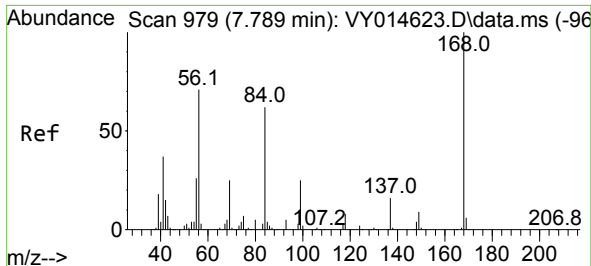
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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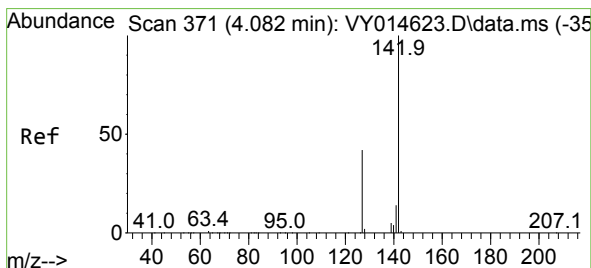
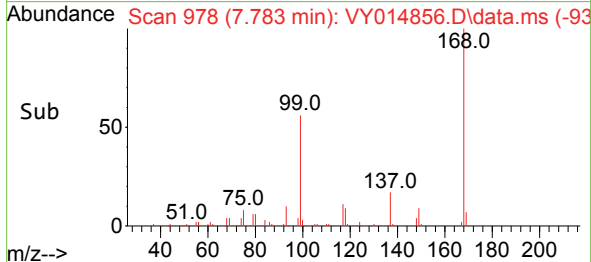
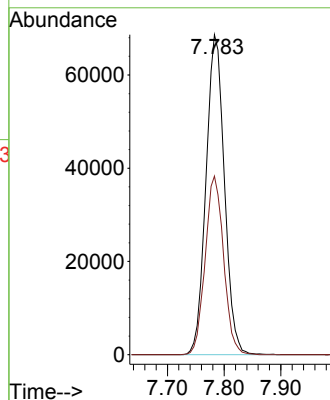
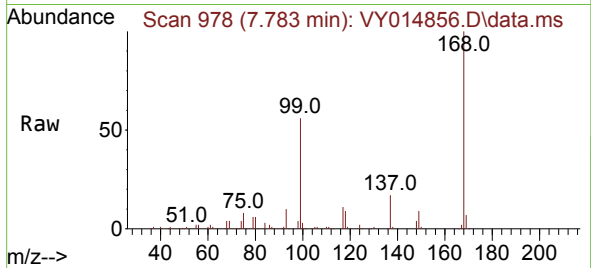




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

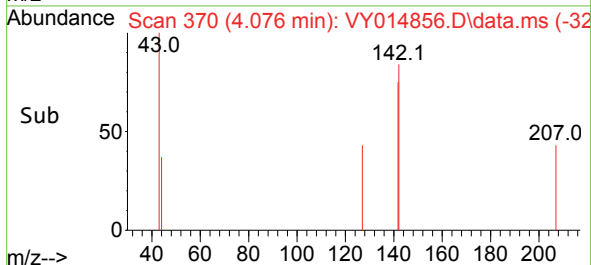
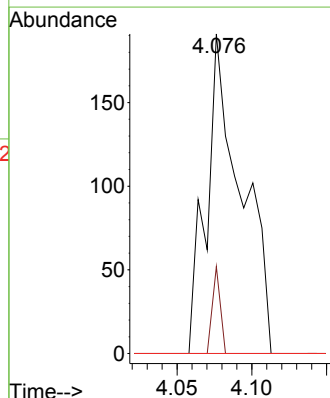
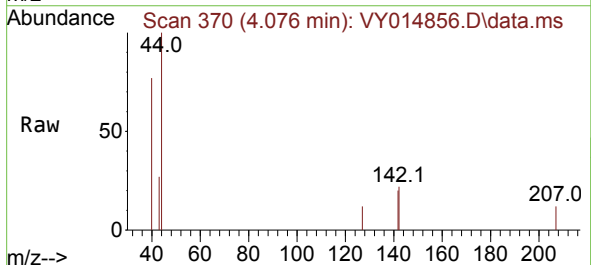
Instrument :
MSVOA_Y
ClientSampleId :

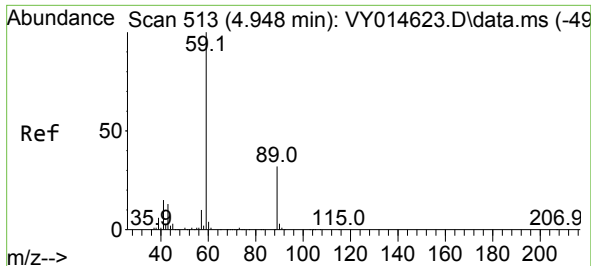
Tgt Ion:168 Resp: 154830
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.540 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

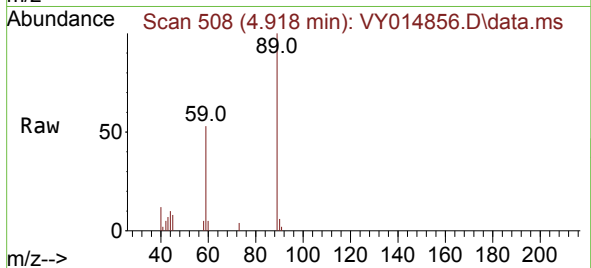
Tgt Ion:142 Resp: 309
Ion Ratio Lower Upper
142 100
127 6.1 37.6 56.4#
141 0.0 11.8 17.8#



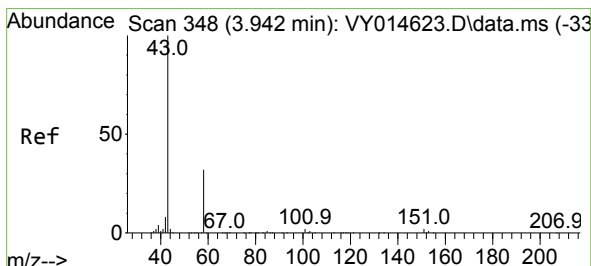
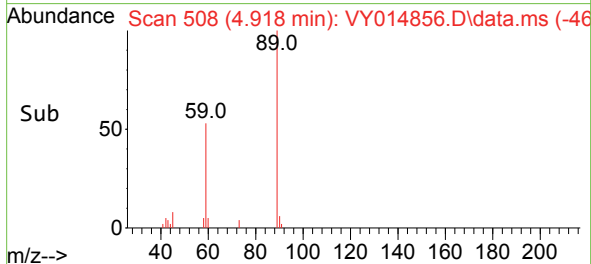
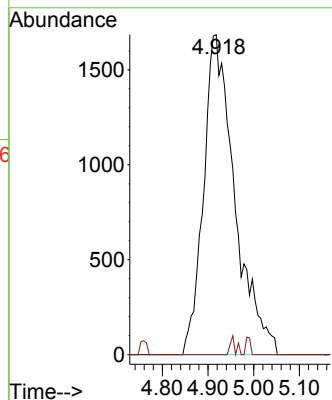


#11
Tert butyl alcohol
Concen: 10.129 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

Instrument :
MSVOA_Y
ClientSampleId :

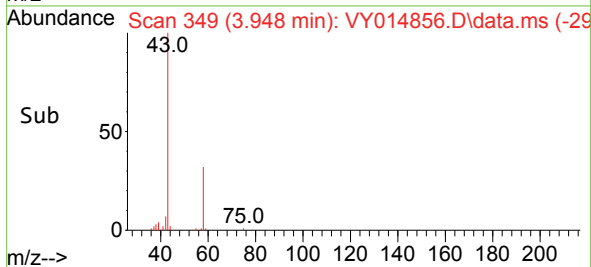
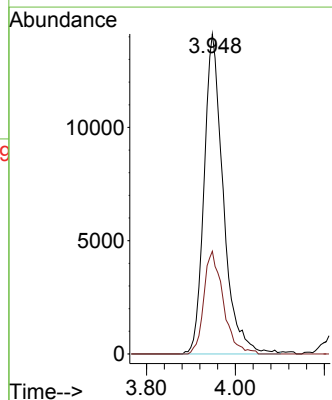
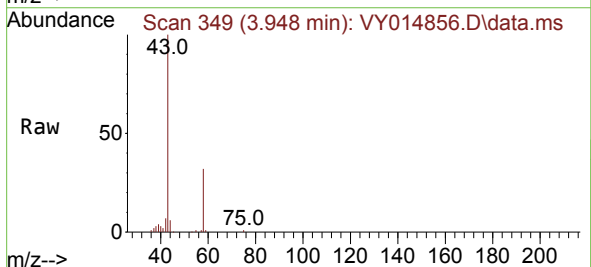


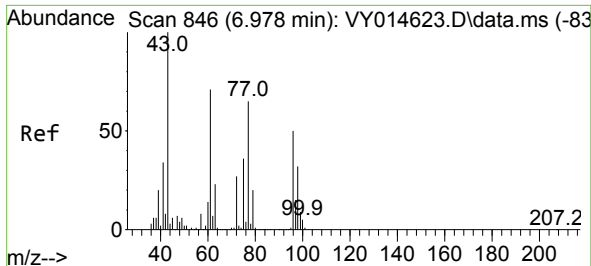
Tgt Ion: 59 Resp: 8031
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 76.002 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

Tgt Ion: 43 Resp: 42493
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1

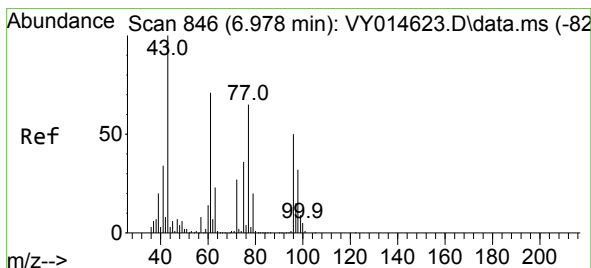
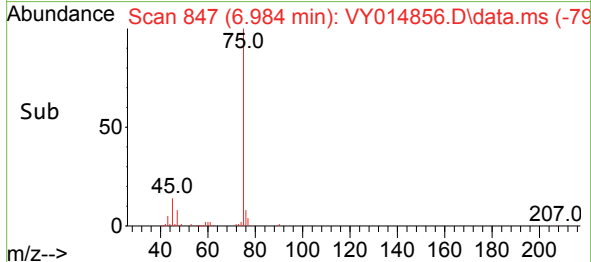
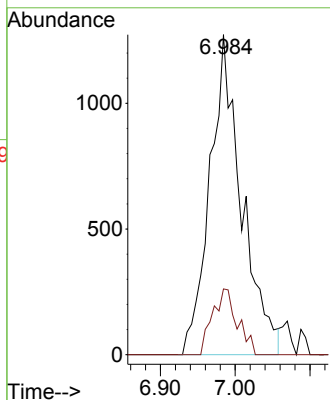
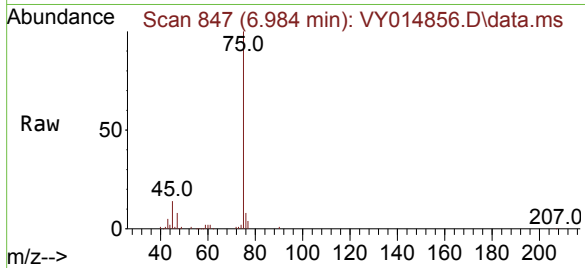




#25
2-Butanone
Concen: 4.594 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

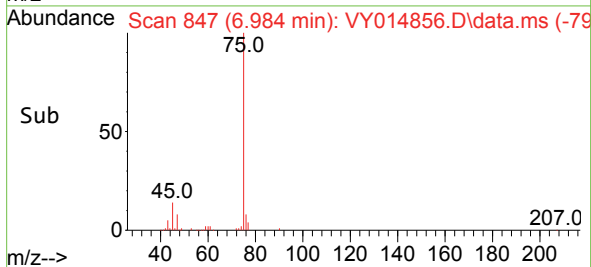
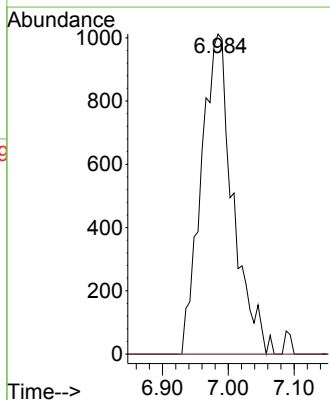
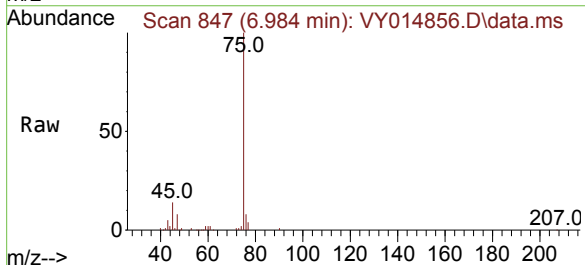
Instrument :
MSVOA_Y
ClientSampleId :

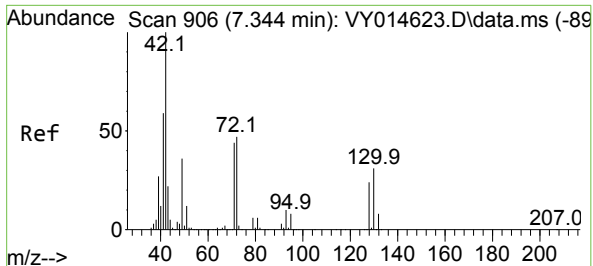
Tgt Ion: 43 Resp: 3758
Ion Ratio Lower Upper
43 100
72 20.6 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.132 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

Tgt Ion: 77 Resp: 3399
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.336 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

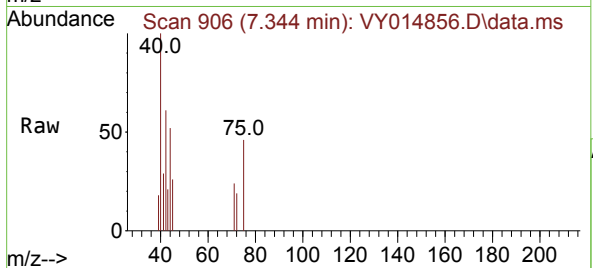
Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

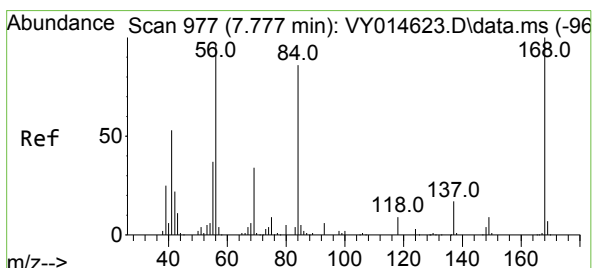
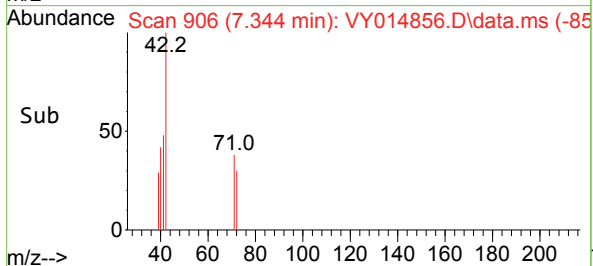
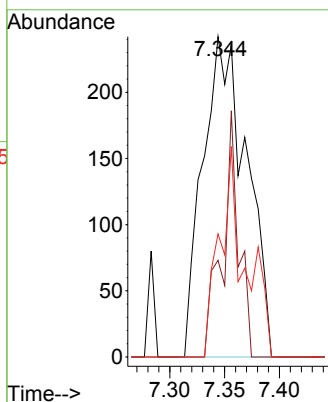
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	673
Ion	Ratio	Lower	Upper
42	100		
72	28.5	32.8	49.2#
71	30.9	31.0	46.4#



#31

Cyclohexane

Concen: 1.100 ug/l

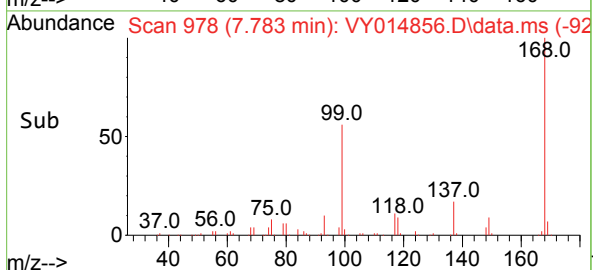
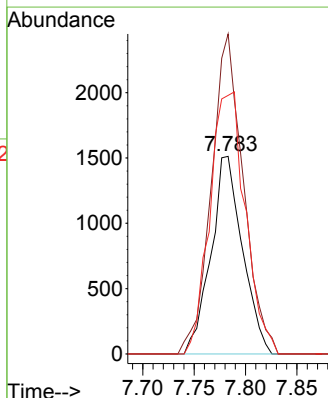
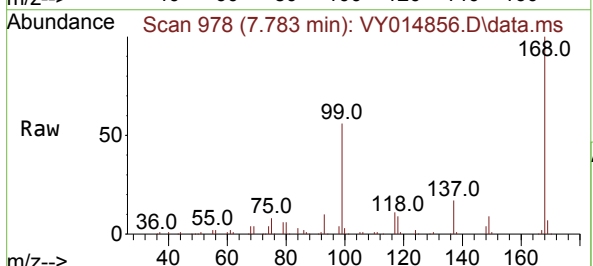
RT: 7.783 min Scan# 978

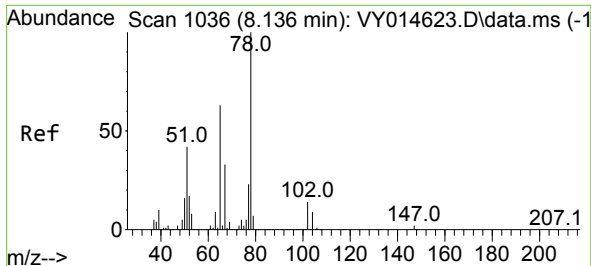
Delta R.T. 0.006 min

Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

Tgt Ion:	56	Resp:	3223
Ion	Ratio	Lower	Upper
56	100		
69	161.9	27.8	41.6#
84	130.8	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 55.626 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

Instrument :

MSVOA_Y

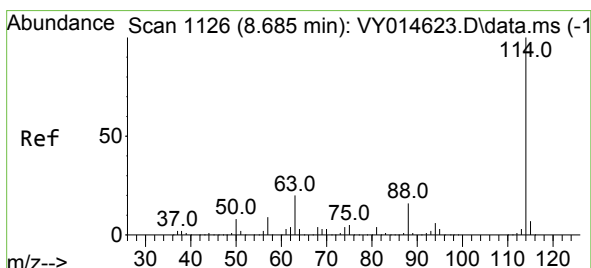
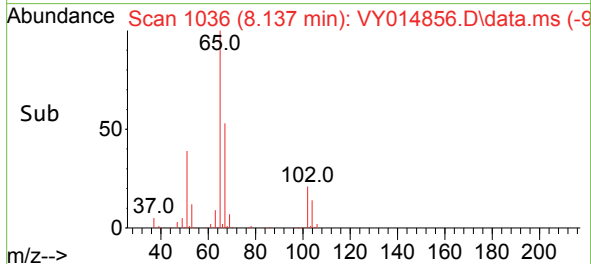
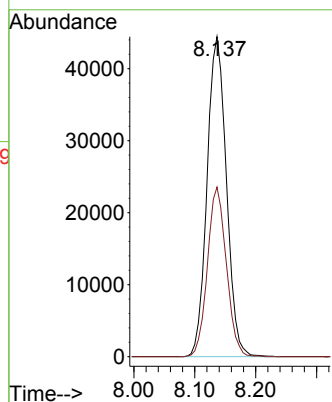
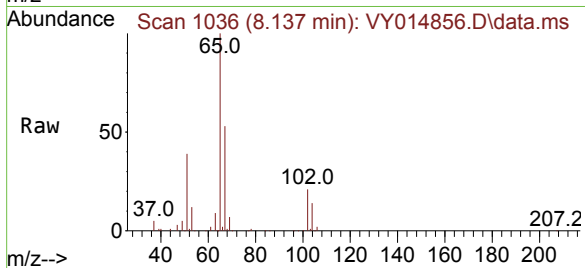
ClientSampleId :

Tgt Ion: 65 Resp: 98144

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

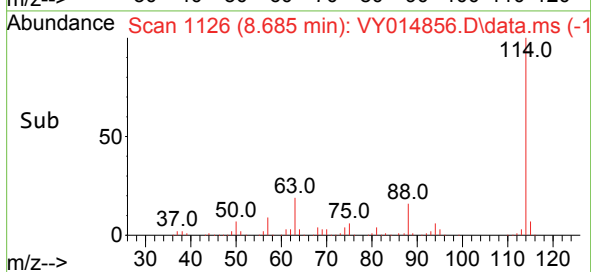
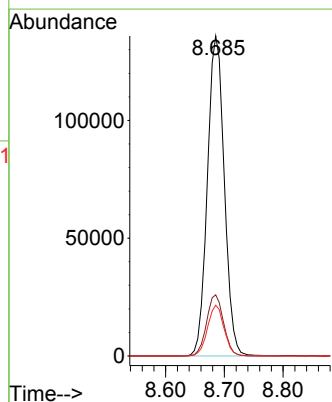
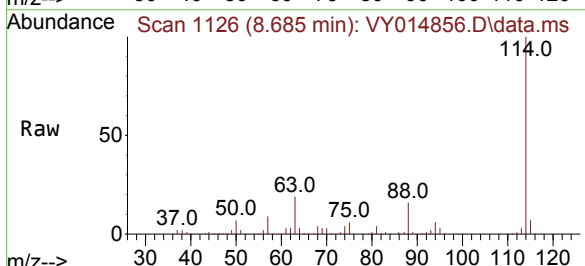
Tgt Ion:114 Resp: 271612

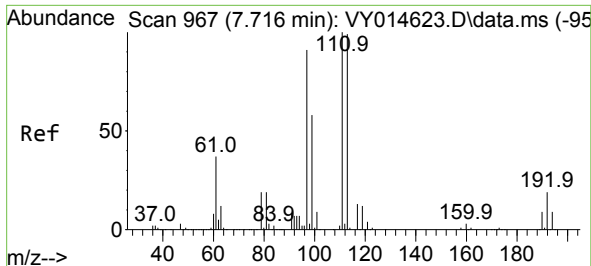
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

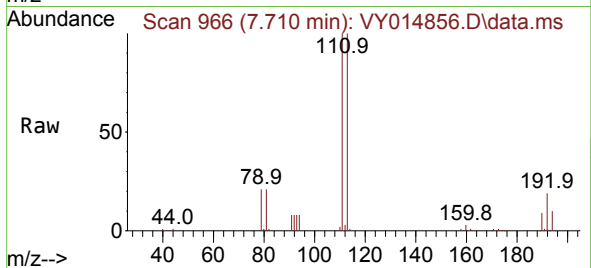
88 15.9 0.0 30.6



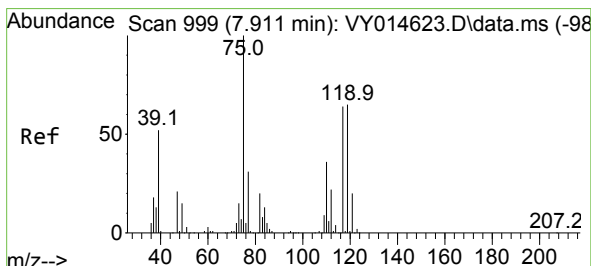
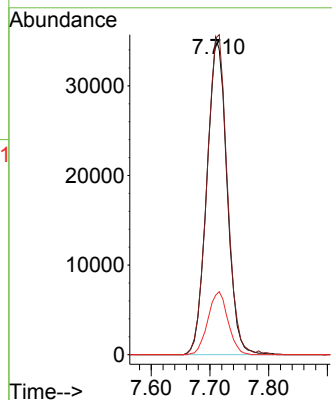
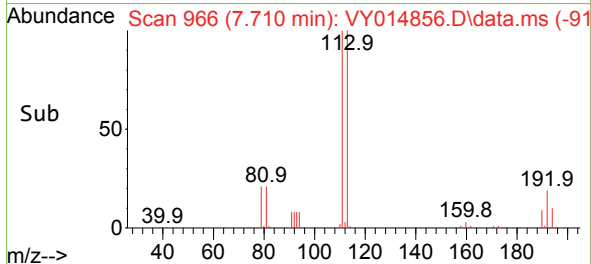


#35
Dibromofluoromethane
Concen: 48.580 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

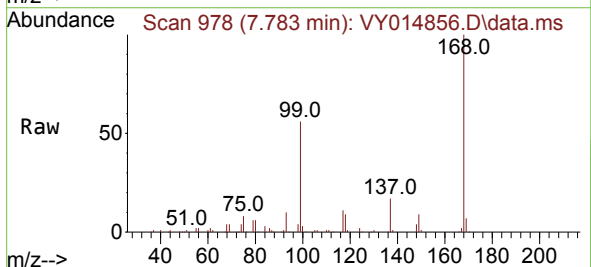
Instrument :
MSVOA_Y
ClientSampleId :



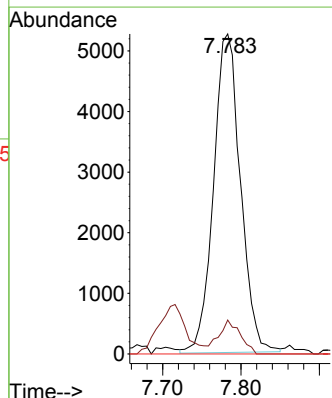
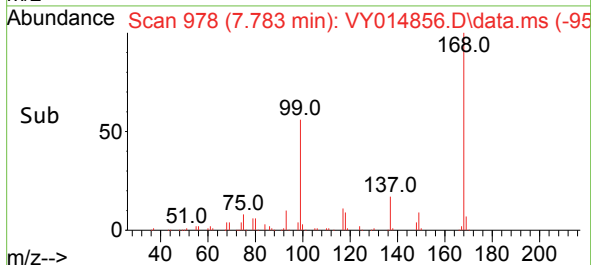
Tgt Ion:113 Resp: 83996
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.8 16.9 25.3

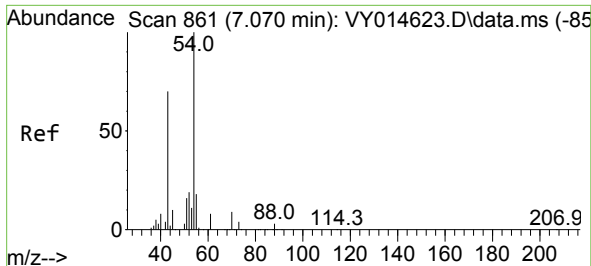


#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51



Tgt Ion: 75 Resp: 12555
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.111 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

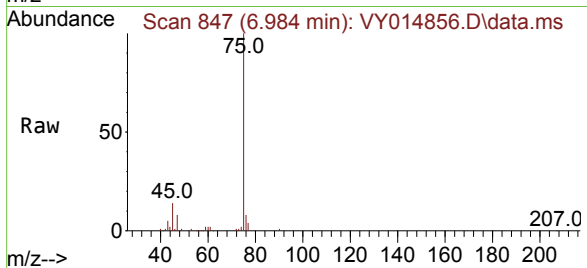
Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

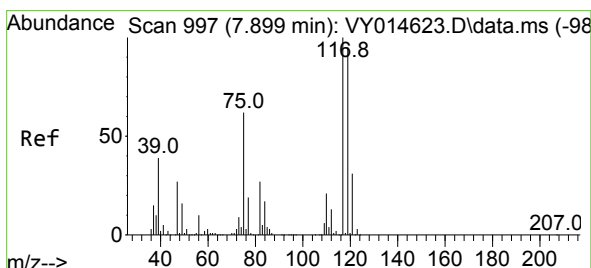
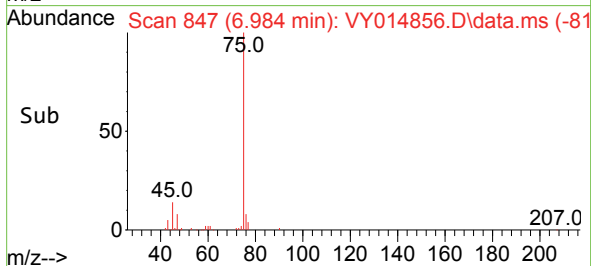
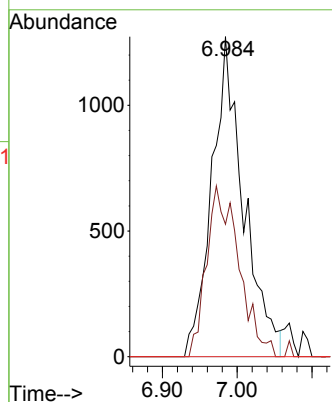
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3758
Ion	Ratio	Lower	Upper
43	100		
61	54.4	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.652 ug/l

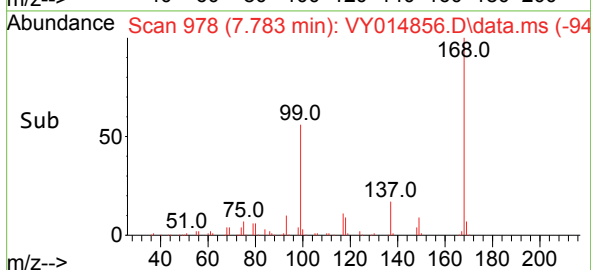
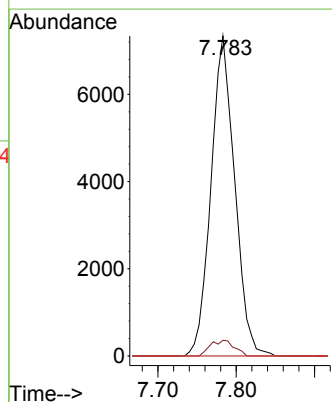
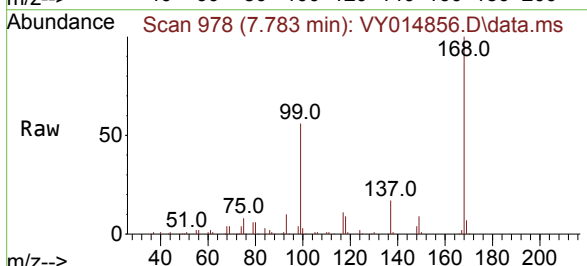
RT: 7.783 min Scan# 978

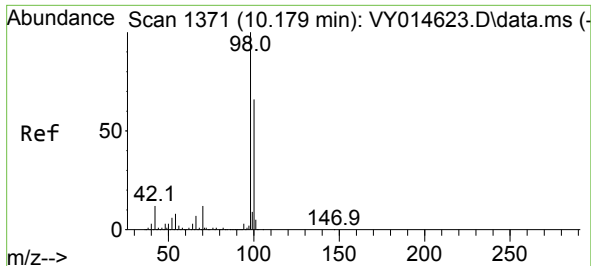
Delta R.T. -0.116 min

Lab File: VY014856.D

Acq: 26 Jul 2023 17:51

Tgt Ion:	117	Resp:	15448
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.4	114.6#
121	0.0	25.8	38.6#

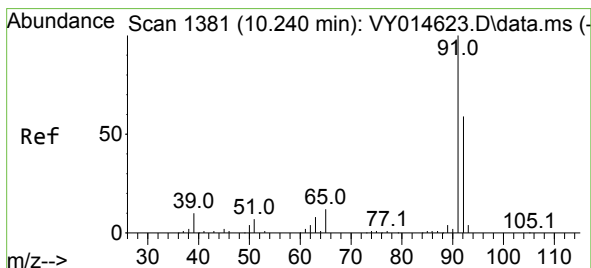
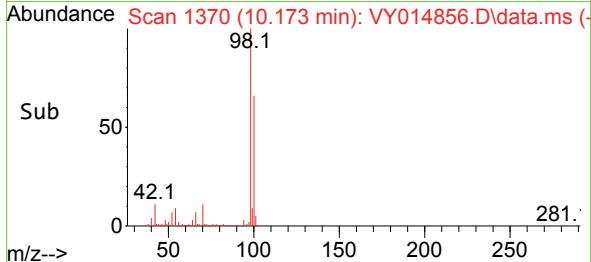
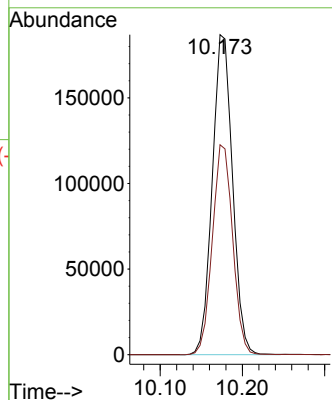
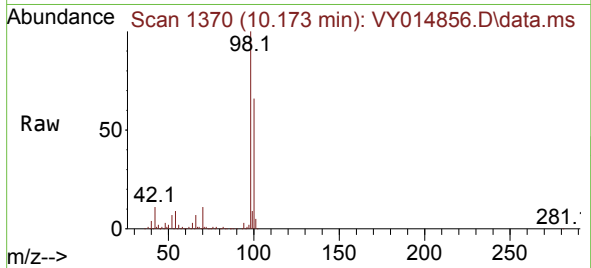




#50
Toluene-d8
Concen: 50.216 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

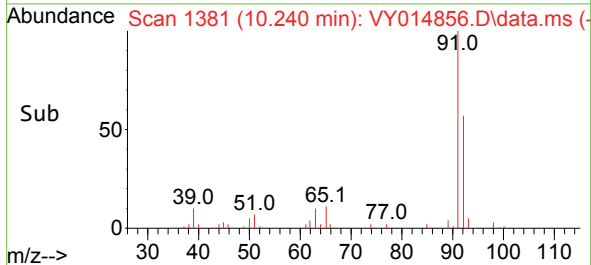
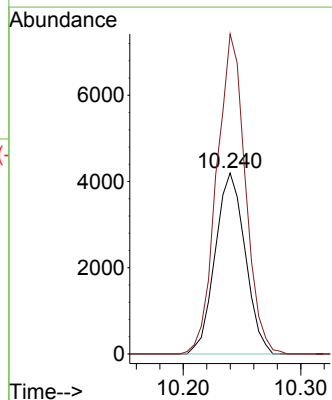
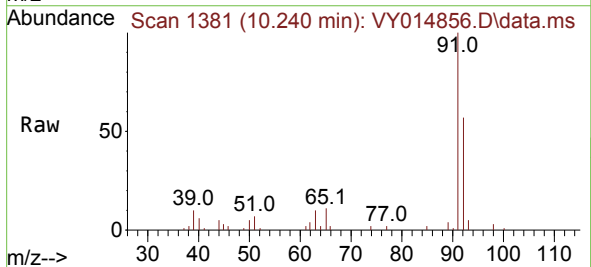
Instrument :
MSVOA_Y
ClientSampleId :

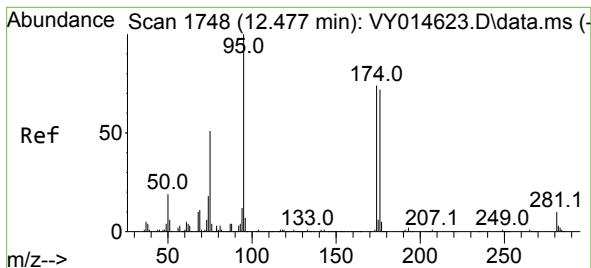
Tgt Ion: 98 Resp: 320100
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#52
Toluene
Concen: 1.581 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

Tgt Ion: 92 Resp: 7441
Ion Ratio Lower Upper
92 100
91 169.2 143.8 215.6

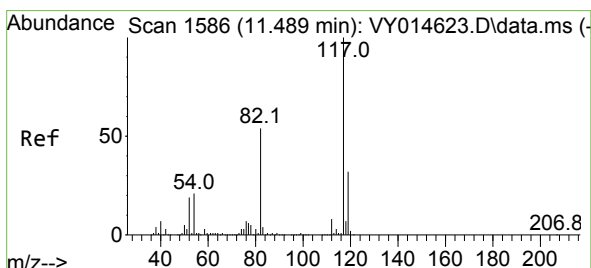
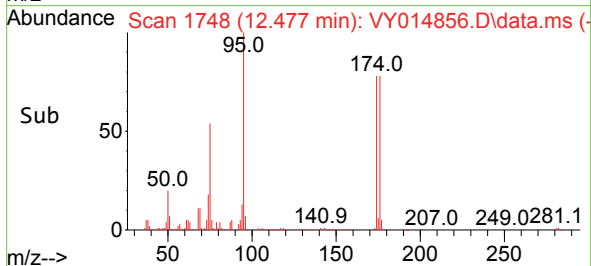
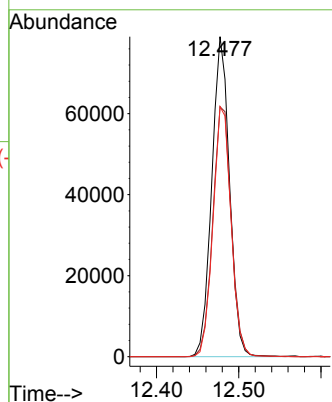
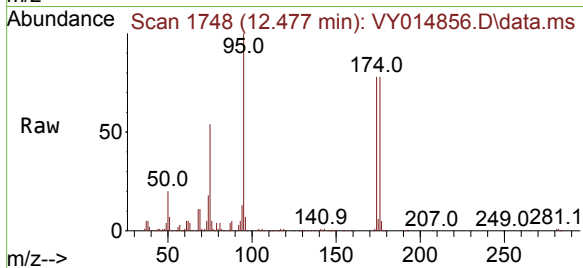




#62
4-Bromofluorobenzene
Concen: 48.556 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

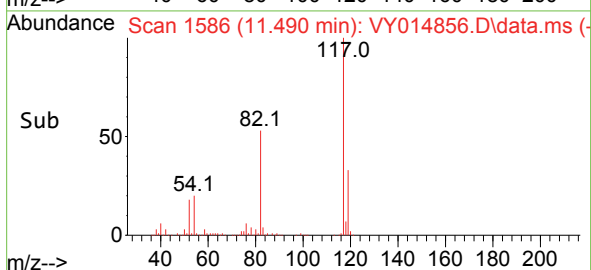
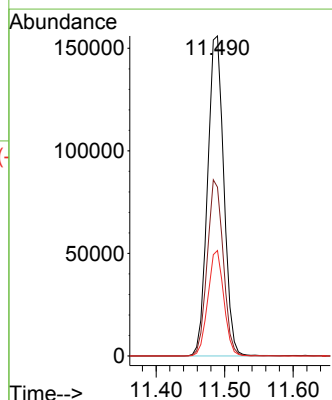
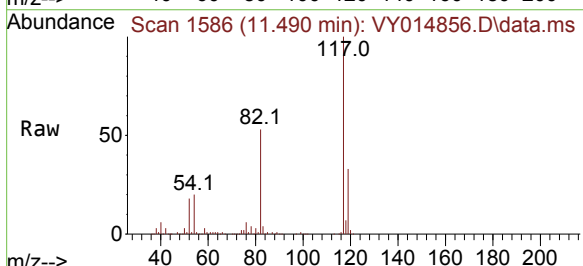
Instrument :
MSVOA_Y
ClientSampleId :

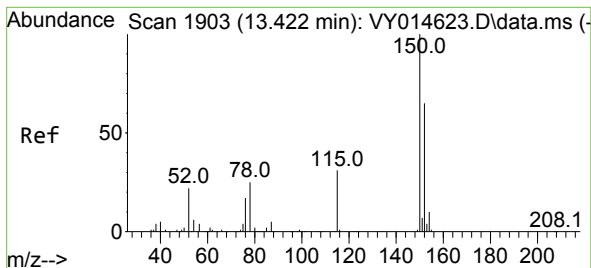
Tgt Ion: 95 Resp: 118683
Ion Ratio Lower Upper
95 100
174 81.3 0.0 178.2
176 79.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014856.D
Acq: 26 Jul 2023 17:51

Tgt Ion: 117 Resp: 257451
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.9 26.3 39.5

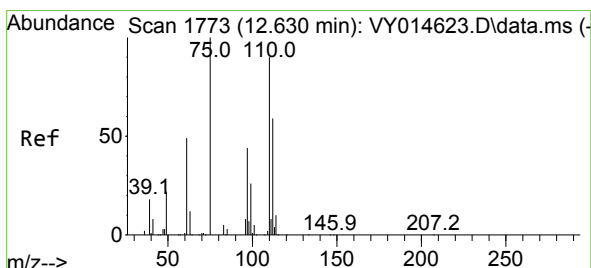
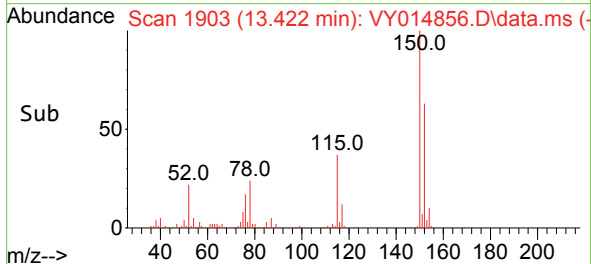
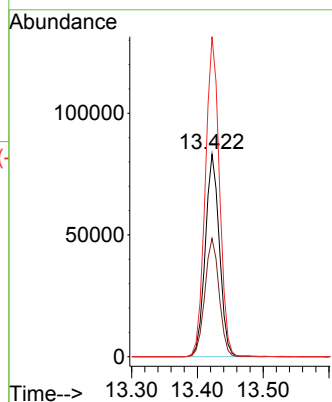
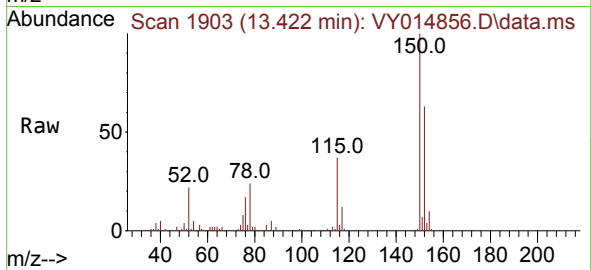




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY014856.D
 Acq: 26 Jul 2023 17:51

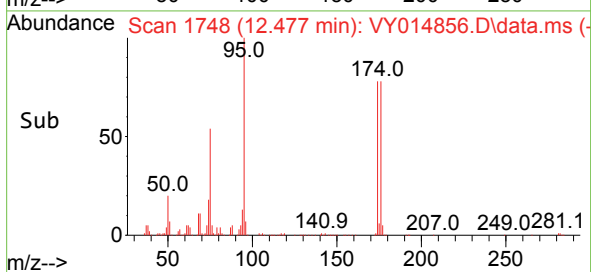
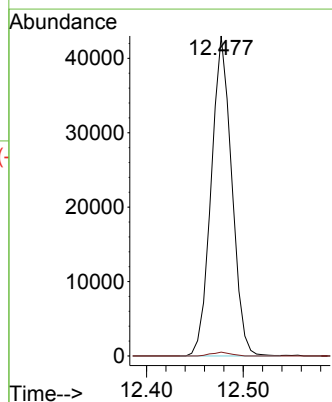
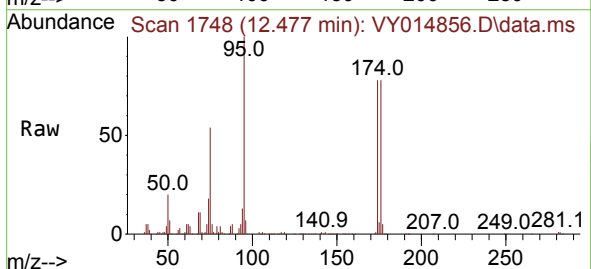
Instrument :
 MSVOA_Y
 ClientSampleId :

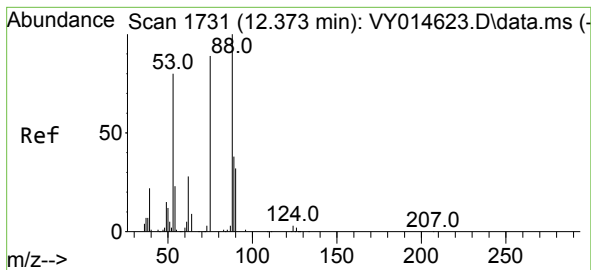
Tgt Ion:152 Resp: 124107
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.8 86.5
 150 158.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.574 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014856.D
 Acq: 26 Jul 2023 17:51

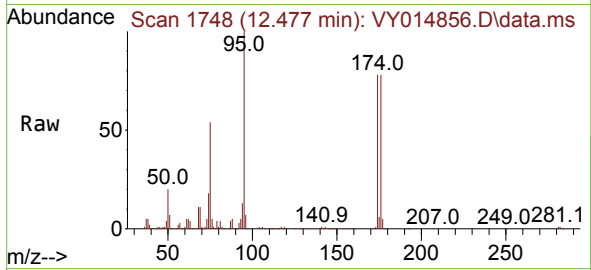
Tgt Ion: 75 Resp: 63597
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.558 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014856.D
 Acq: 26 Jul 2023 17:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 63597
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

