

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014700.D
 Acq On : 18 Jul 2023 14:32
 Operator : SY/MD
 Sample : 03640-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP9

Quant Time: Jul 19 04:04:45 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)

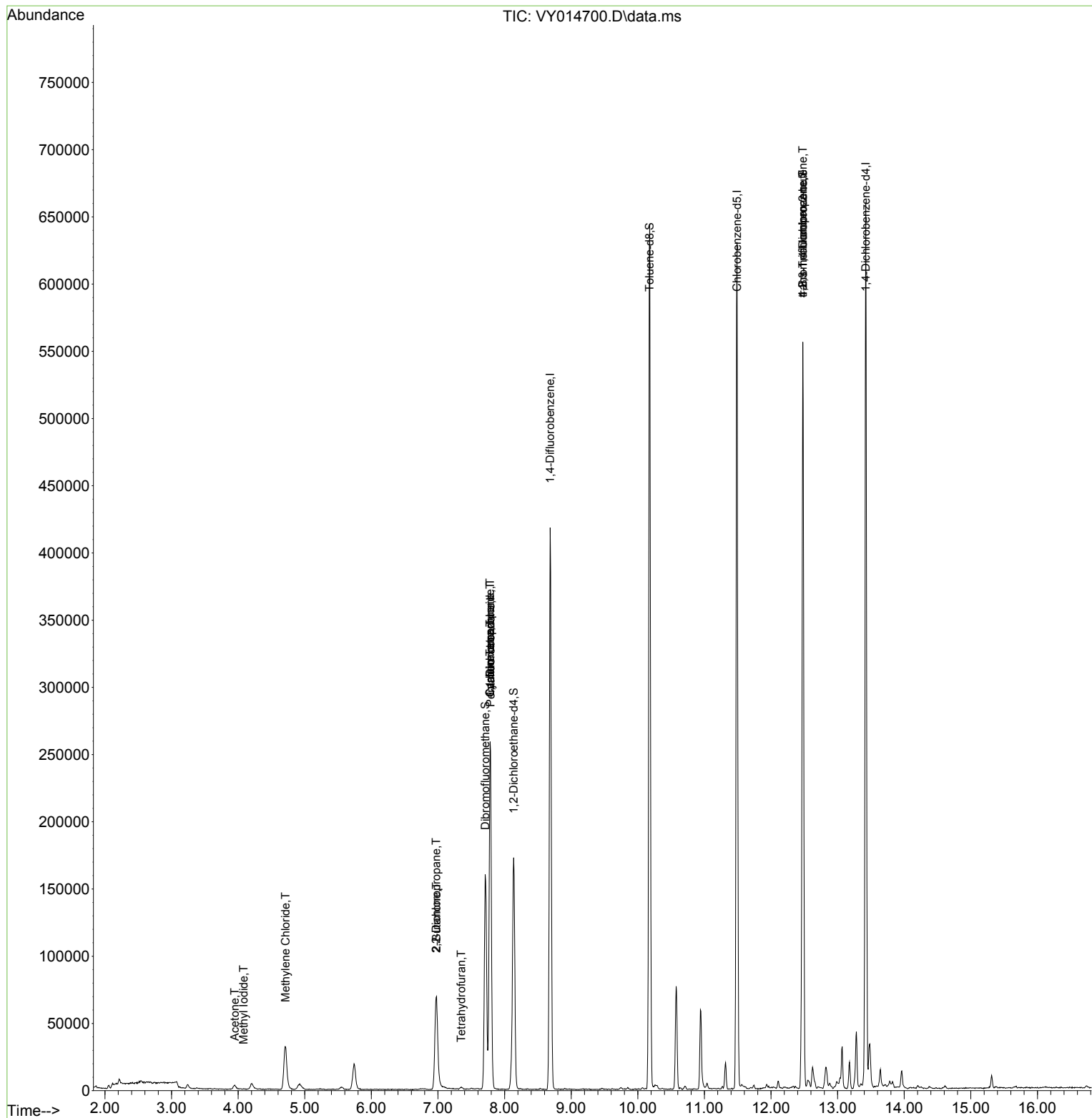
Internal Standards						
1) Pentafluorobenzene	7.789	168	204115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	360668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130319	56.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.060%	
35) Dibromofluoromethane	7.710	113	114769	49.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.980%	
50) Toluene-d8	10.179	98	428125	50.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.160%	
62) 4-Bromofluorobenzene	12.477	95	163135	50.263	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.520%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	126	2.422	ug/l #	38
11) Tert butyl alcohol	4.930	59	5158	Below Cal	#	92
16) Acetone	3.948	43	5872	7.967	ug/l #	89
20) Methylene Chloride	4.710	84	24699	6.654	ug/l	89
25) 2-Butanone	6.978	43	4307	3.994	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	5330	1.347	ug/l #	54
29) Tetrahydrofuran	7.350	42	957	1.441	ug/l #	84
31) Cyclohexane	7.783	56	4660	1.207	ug/l #	7
36) 1,1-Dichloropropene	7.783	75	16045	4.673	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20630	5.684	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	84083	40.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84083	78.469	ug/l #	11

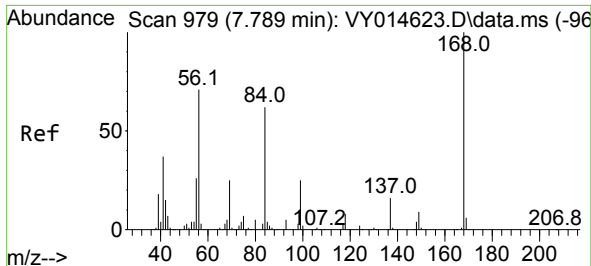
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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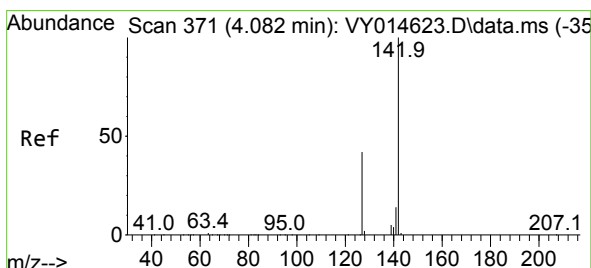
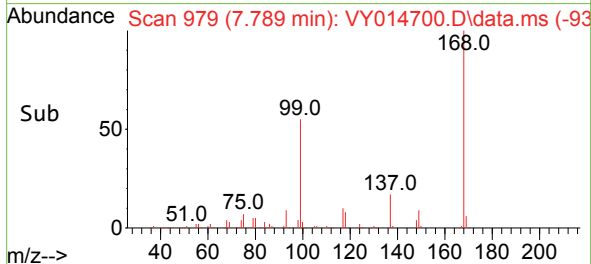
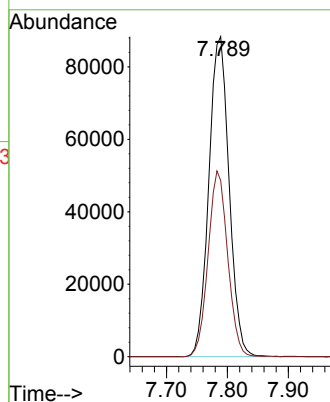
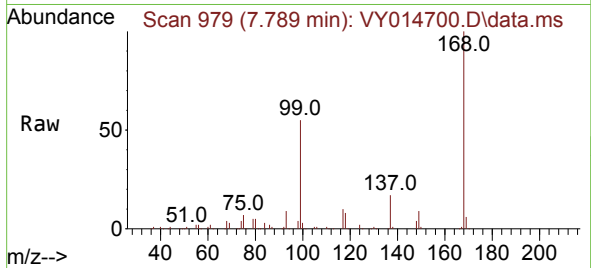




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

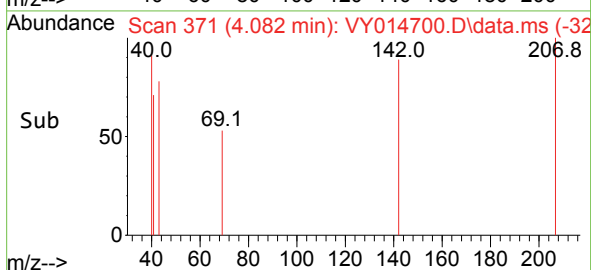
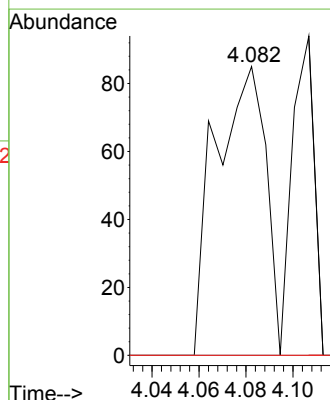
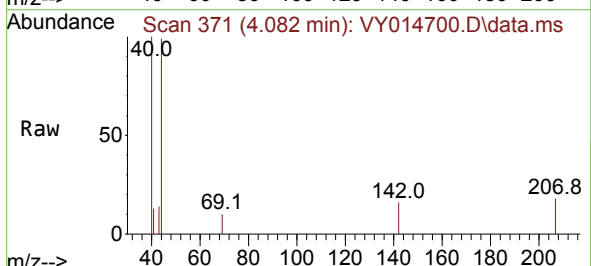
Instrument :
MSVOA_Y
ClientSampleId :
TP9

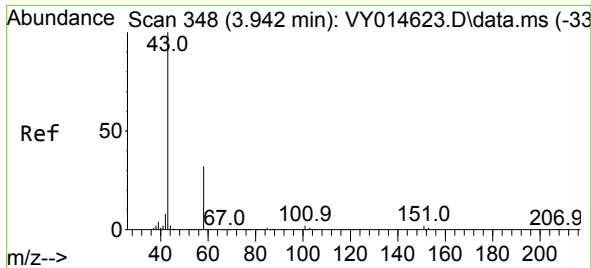
Tgt Ion:168 Resp: 204115
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#10
Methyl Iodide
Concen: 2.422 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

Tgt Ion:142 Resp: 126
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 7.967 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY014700.D

Acq: 18 Jul 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

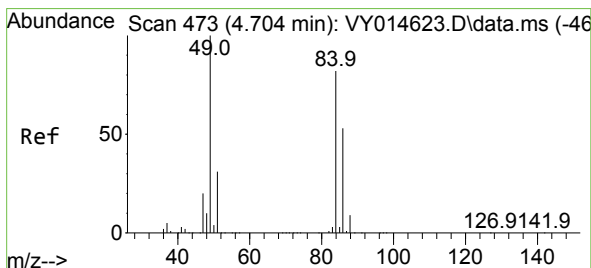
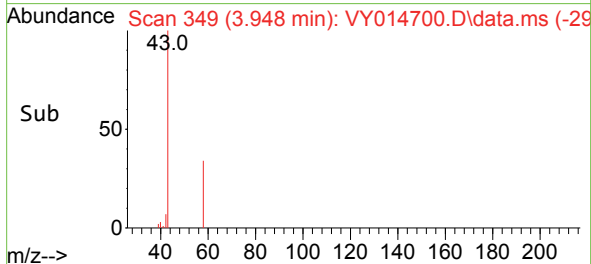
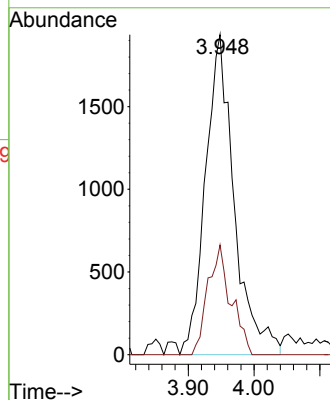
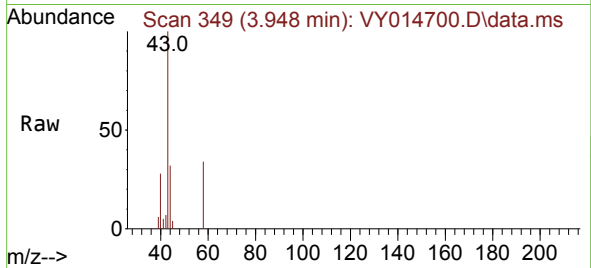
TP9

Tgt Ion: 43 Resp: 5872

Ion Ratio Lower Upper

43 100

58 34.3 22.7 34.1#



#20

Methylene Chloride

Concen: 6.654 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014700.D

Acq: 18 Jul 2023 14:32

Tgt Ion: 84 Resp: 24699

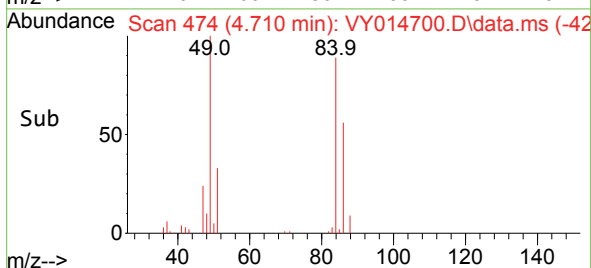
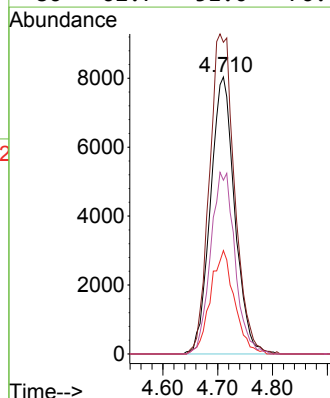
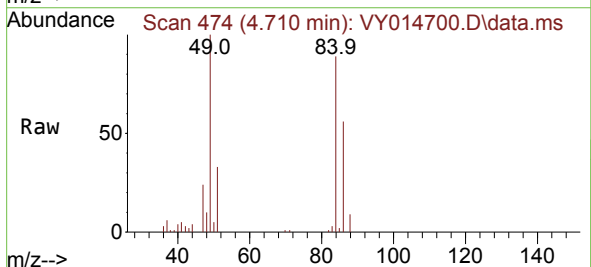
Ion Ratio Lower Upper

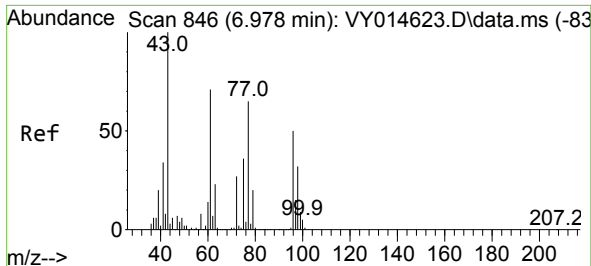
84 100

49 112.5 106.9 160.3

51 37.3 33.2 49.8

86 62.7 51.0 76.6

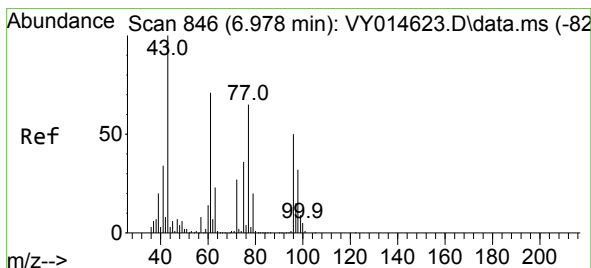
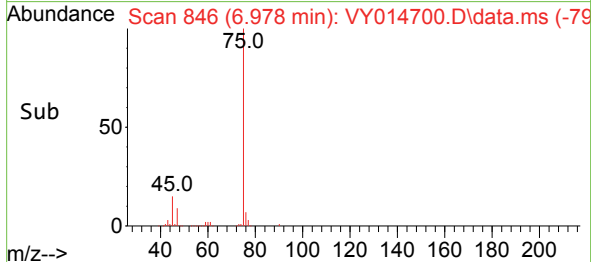
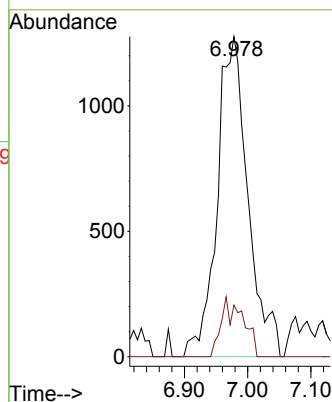
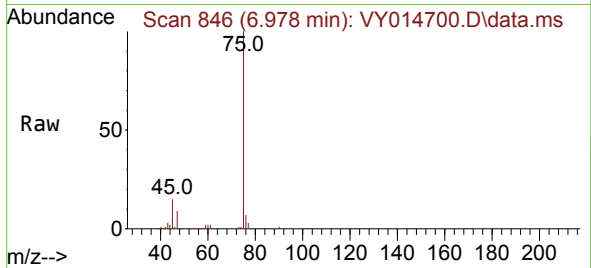




#25
2-Butanone
Concen: 3.994 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

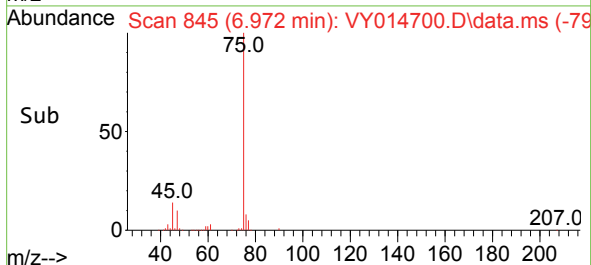
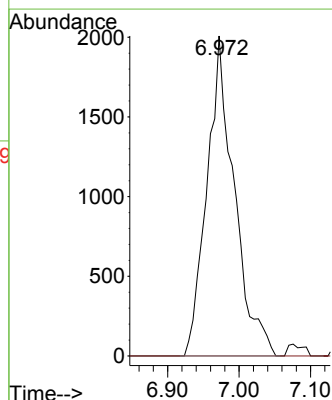
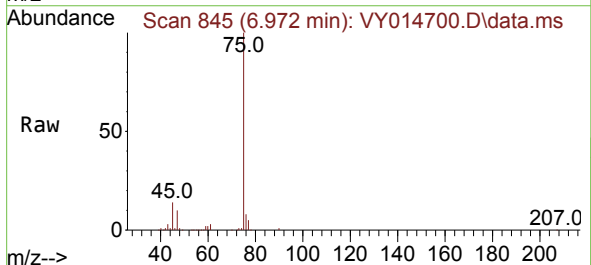
Instrument :
MSVOA_Y
ClientSampleId :
TP9

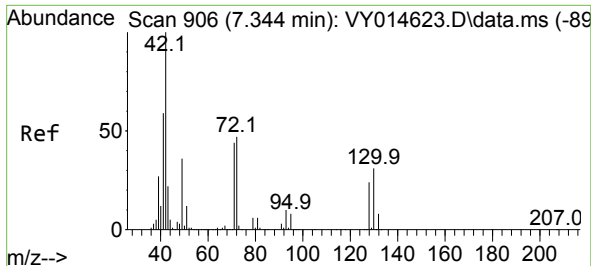
Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
72 16.1 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.347 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

Tgt Ion: 77 Resp: 5330
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.441 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014700.D

Acq: 18 Jul 2023 14:32

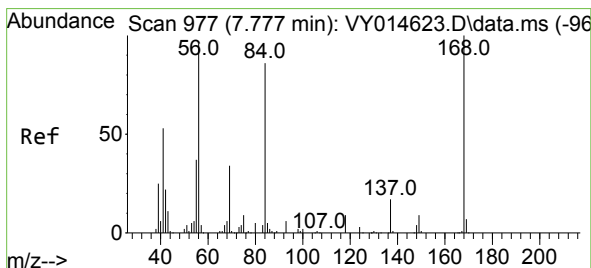
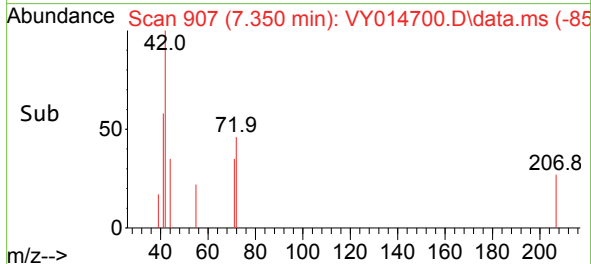
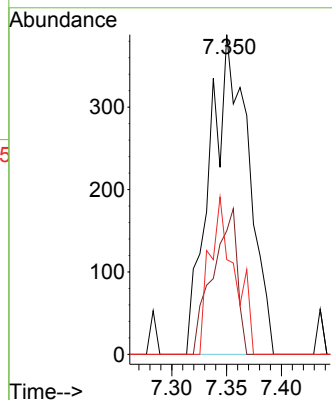
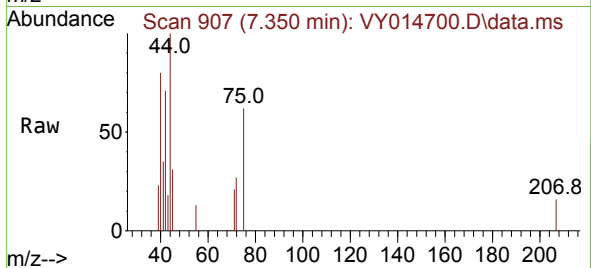
Instrument :

MSVOA_Y

ClientSampleId :

TP9

Tgt Ion:	42	Resp:	957
Ion	Ratio	Lower	Upper
42	100		
72	28.8	32.8	49.2#
71	31.3	31.0	46.4



#31

Cyclohexane

Concen: 1.207 ug/l

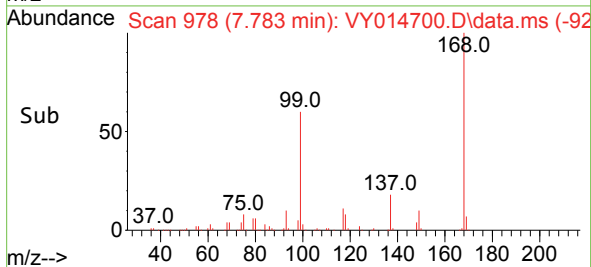
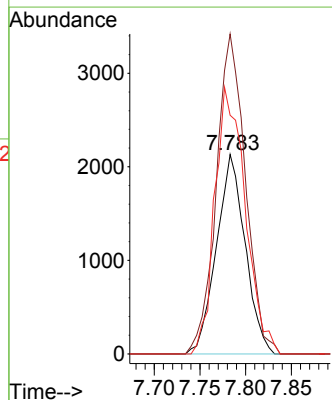
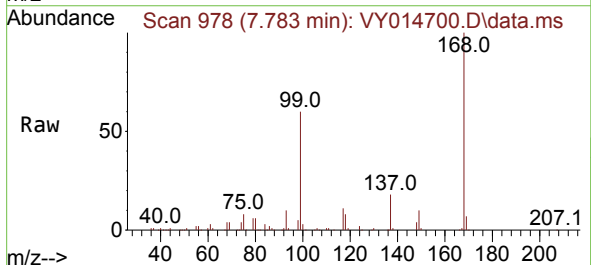
RT: 7.783 min Scan# 978

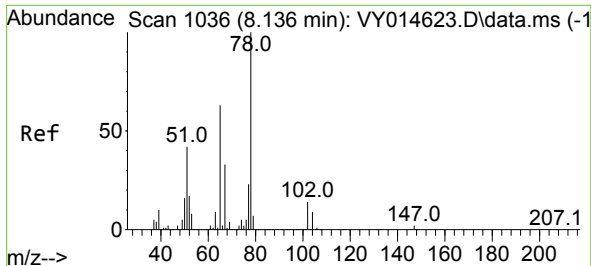
Delta R.T. 0.006 min

Lab File: VY014700.D

Acq: 18 Jul 2023 14:32

Tgt Ion:	56	Resp:	4660
Ion	Ratio	Lower	Upper
56	100		
69	160.4	27.8	41.6#
84	119.7	66.4	99.6#

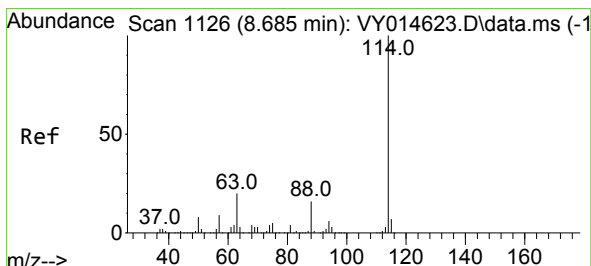
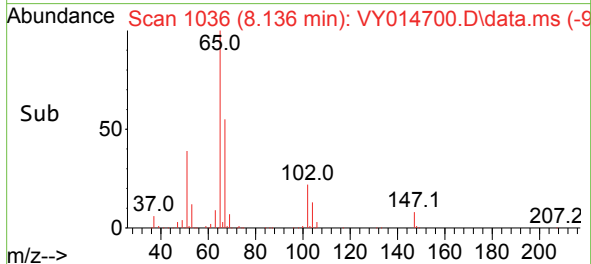
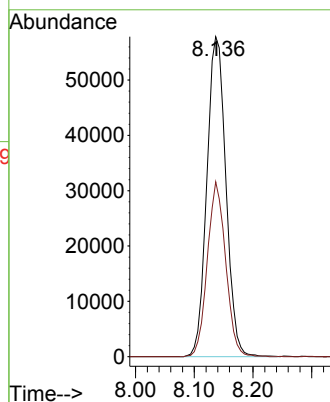
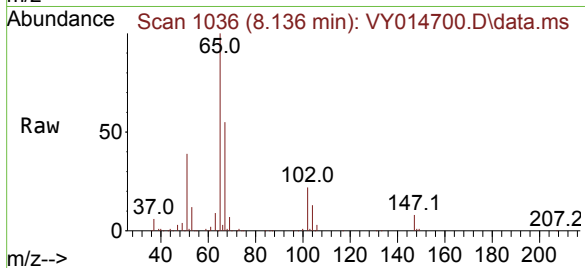




#33
 1,2-Dichloroethane-d4
 Concen: 56.028 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014700.D
 Acq: 18 Jul 2023 14:32

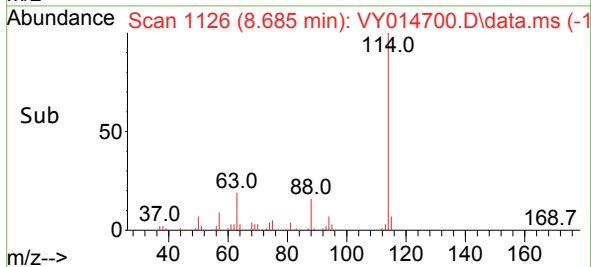
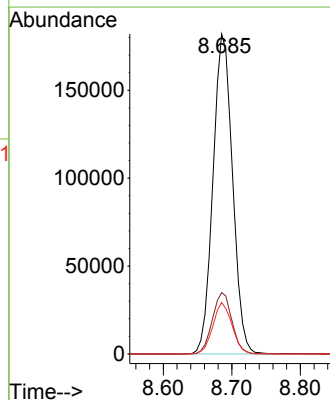
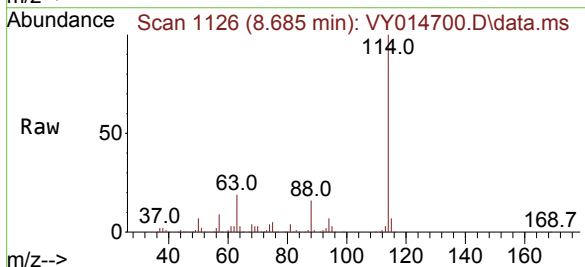
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP9

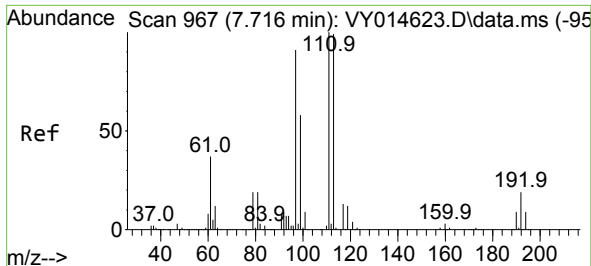
Tgt Ion: 65 Resp: 130319
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014700.D
 Acq: 18 Jul 2023 14:32

Tgt Ion: 114 Resp: 360668
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 16.0 0.0 30.6

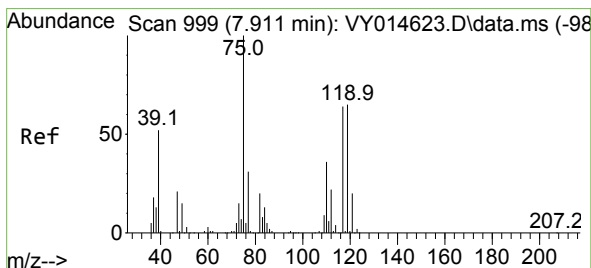
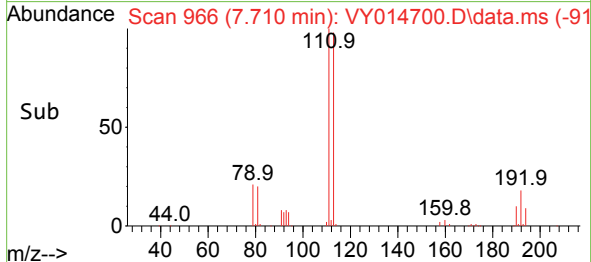
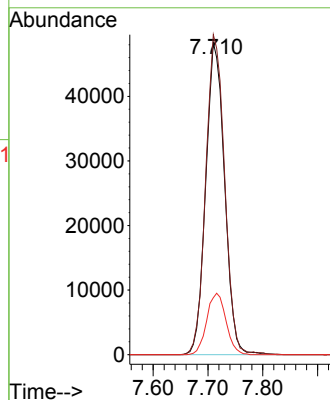
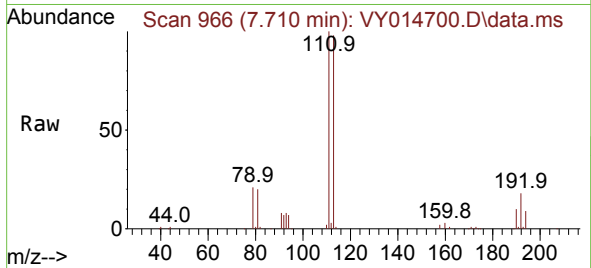




#35
 Dibromofluoromethane
 Concen: 49.988 ug/l
 RT: 7.710 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VY014700.D
 Acq: 18 Jul 2023 14:32

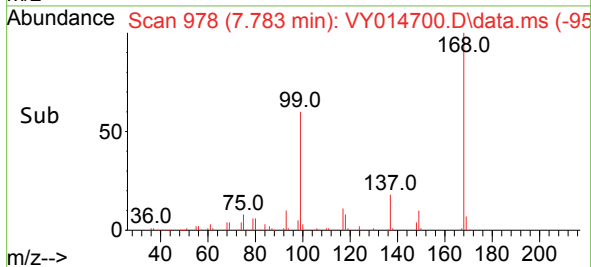
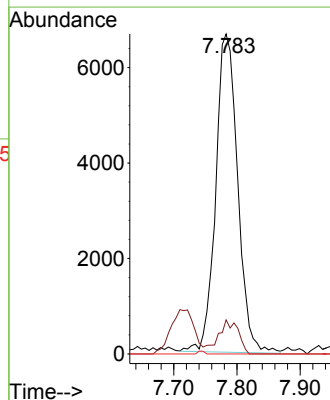
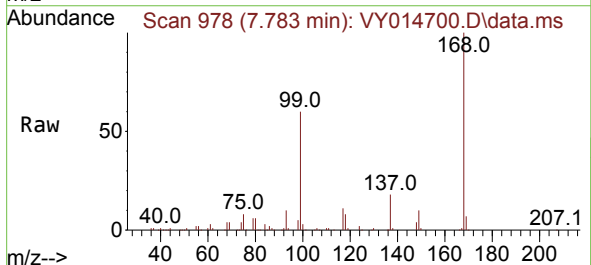
Instrument :
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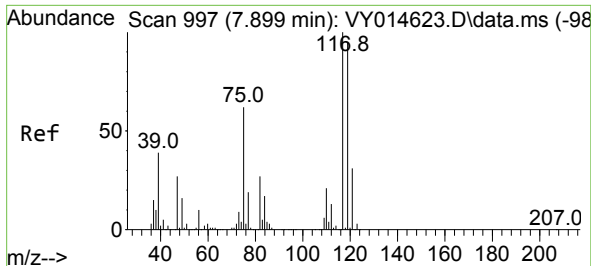
Tgt Ion:113 Resp: 114769
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.3 121.9
 192 20.2 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY014700.D
 Acq: 18 Jul 2023 14:32

Tgt Ion: 75 Resp: 16045
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.5#
 77 0.0 24.4 36.6#

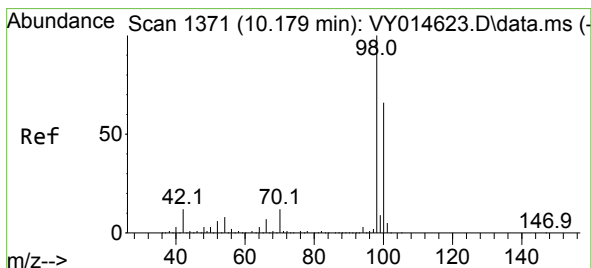
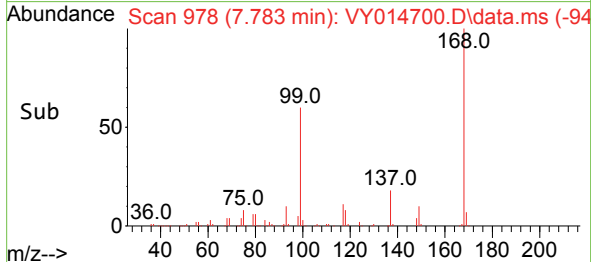
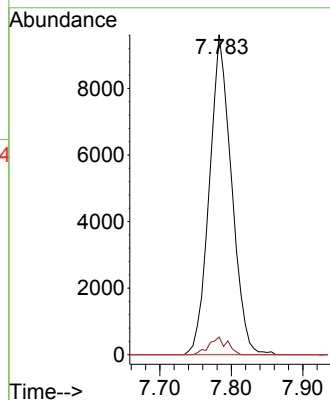
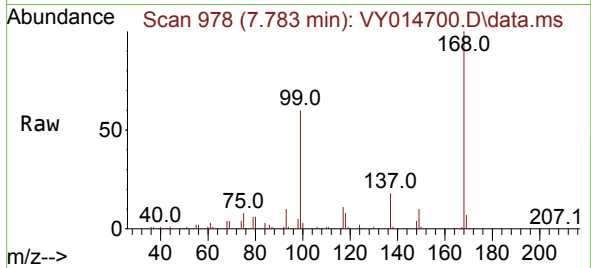




#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

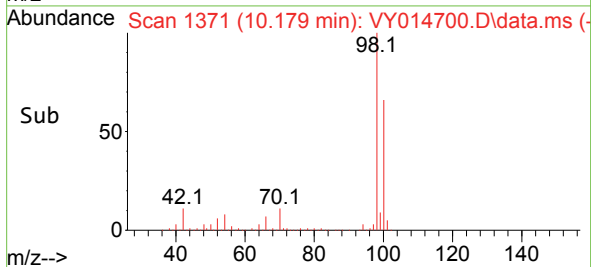
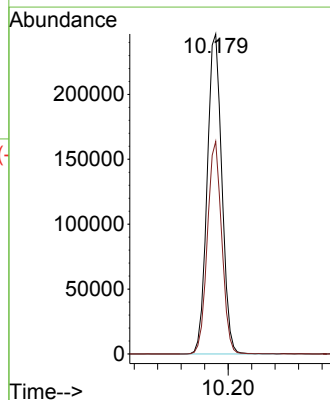
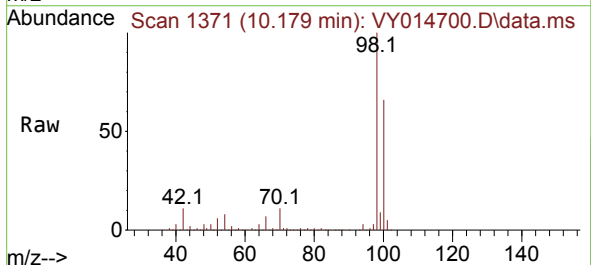
Instrument :
MSVOA_Y
ClientSampleId :
TP9

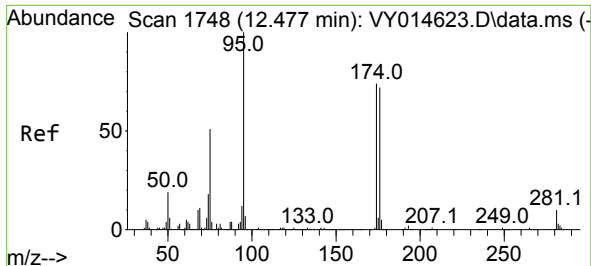
Tgt Ion:117 Resp: 20630
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.578 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

Tgt Ion: 98 Resp: 428125
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

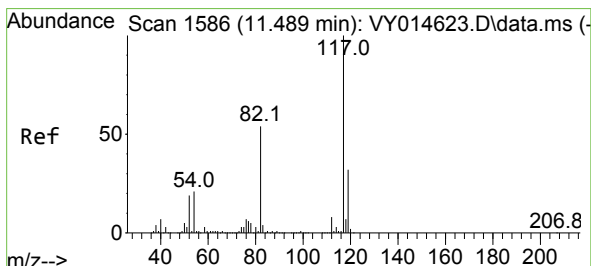
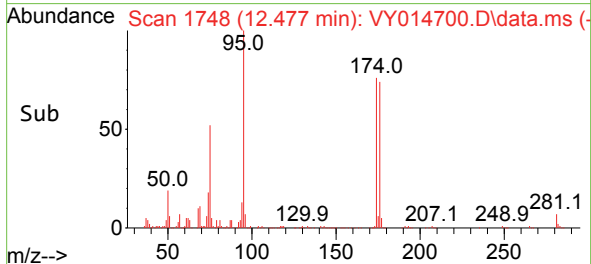
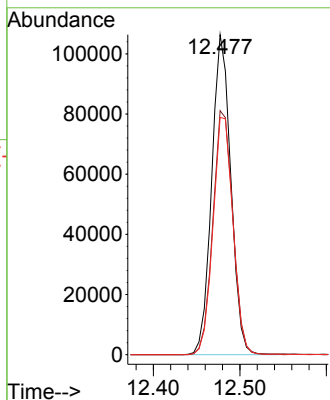
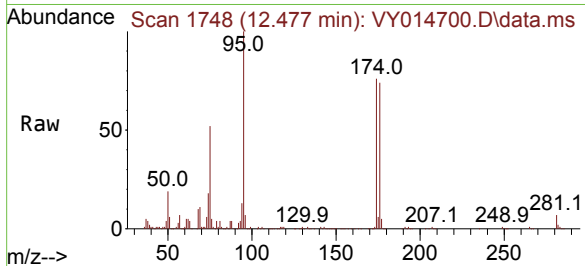




#62
4-Bromofluorobenzene
Concen: 50.263 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

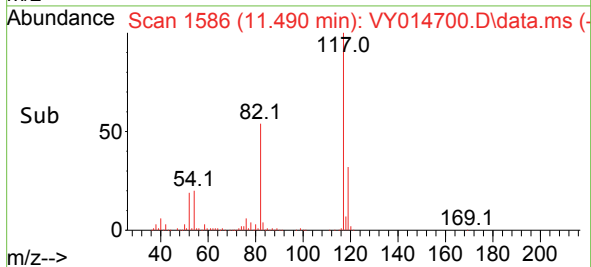
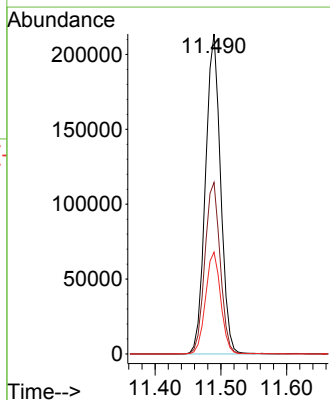
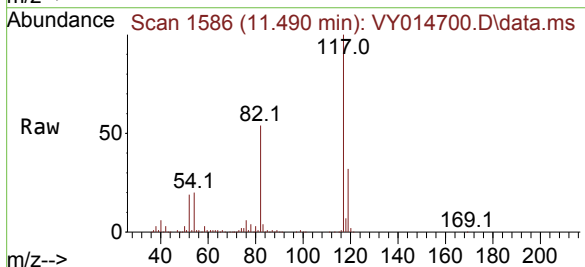
Instrument :
MSVOA_Y
ClientSampleId :
TP9

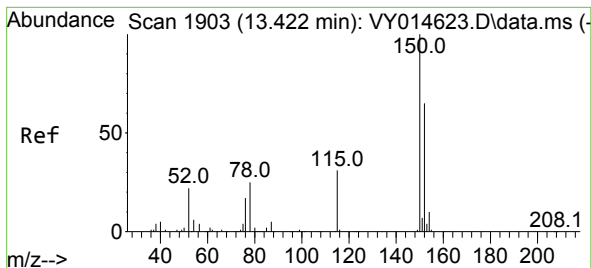
Tgt Ion: 95 Resp: 163135
Ion Ratio Lower Upper
95 100
174 79.7 0.0 178.2
176 77.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014700.D
Acq: 18 Jul 2023 14:32

Tgt Ion: 117 Resp: 340967
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 31.8 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: VY014700.D

Acq: 18 Jul 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

TP9

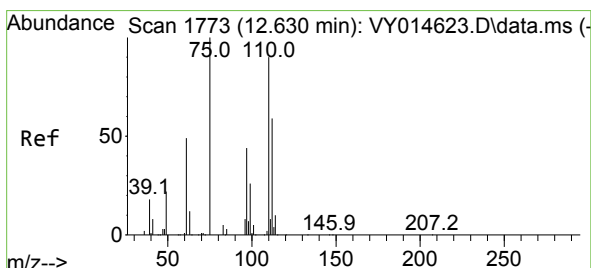
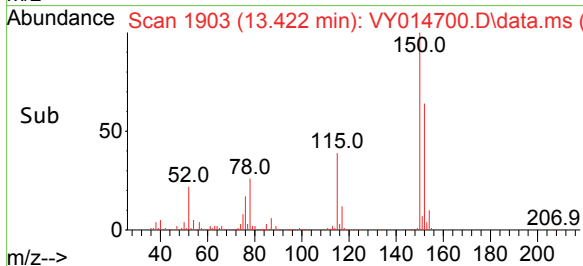
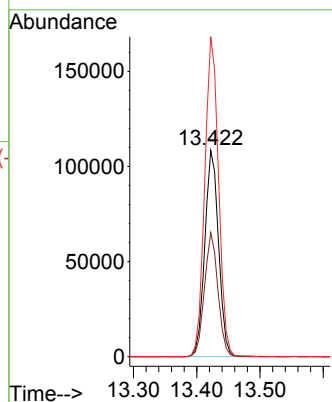
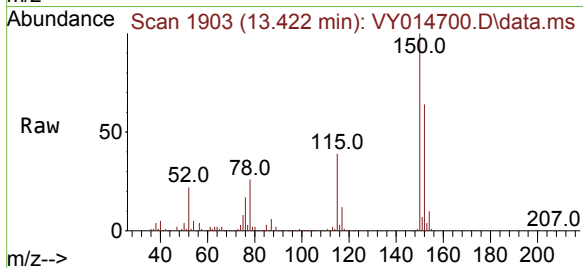
Tgt Ion:152 Resp: 164271

Ion Ratio Lower Upper

152 100

115 59.1 28.8 86.5

150 155.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.528 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014700.D

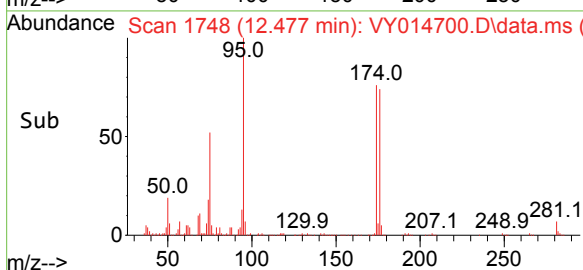
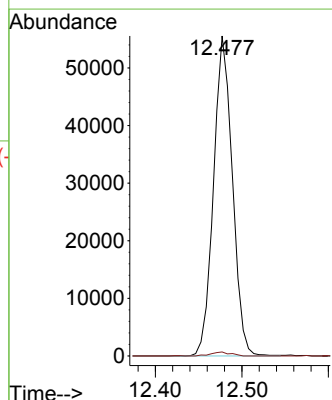
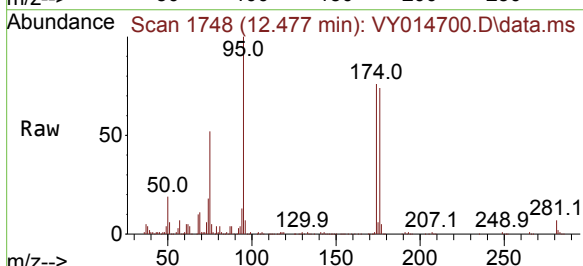
Acq: 18 Jul 2023 14:32

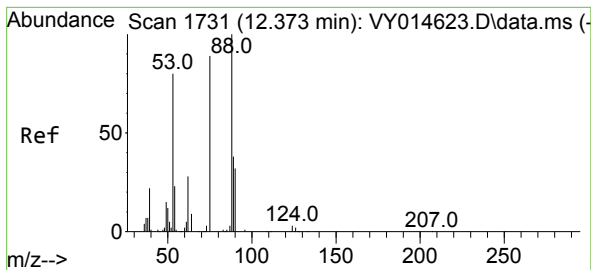
Tgt Ion: 75 Resp: 84083

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.469 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014700.D
 Acq: 18 Jul 2023 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP9

Tgt Ion: 75 Resp: 84083
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

