

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051623\
 Data File : VY013762.D
 Acq On : 16 May 2023 16:15
 Operator : KP/MD
 Sample : 02802-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1640

Quant Time: May 17 07:49:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

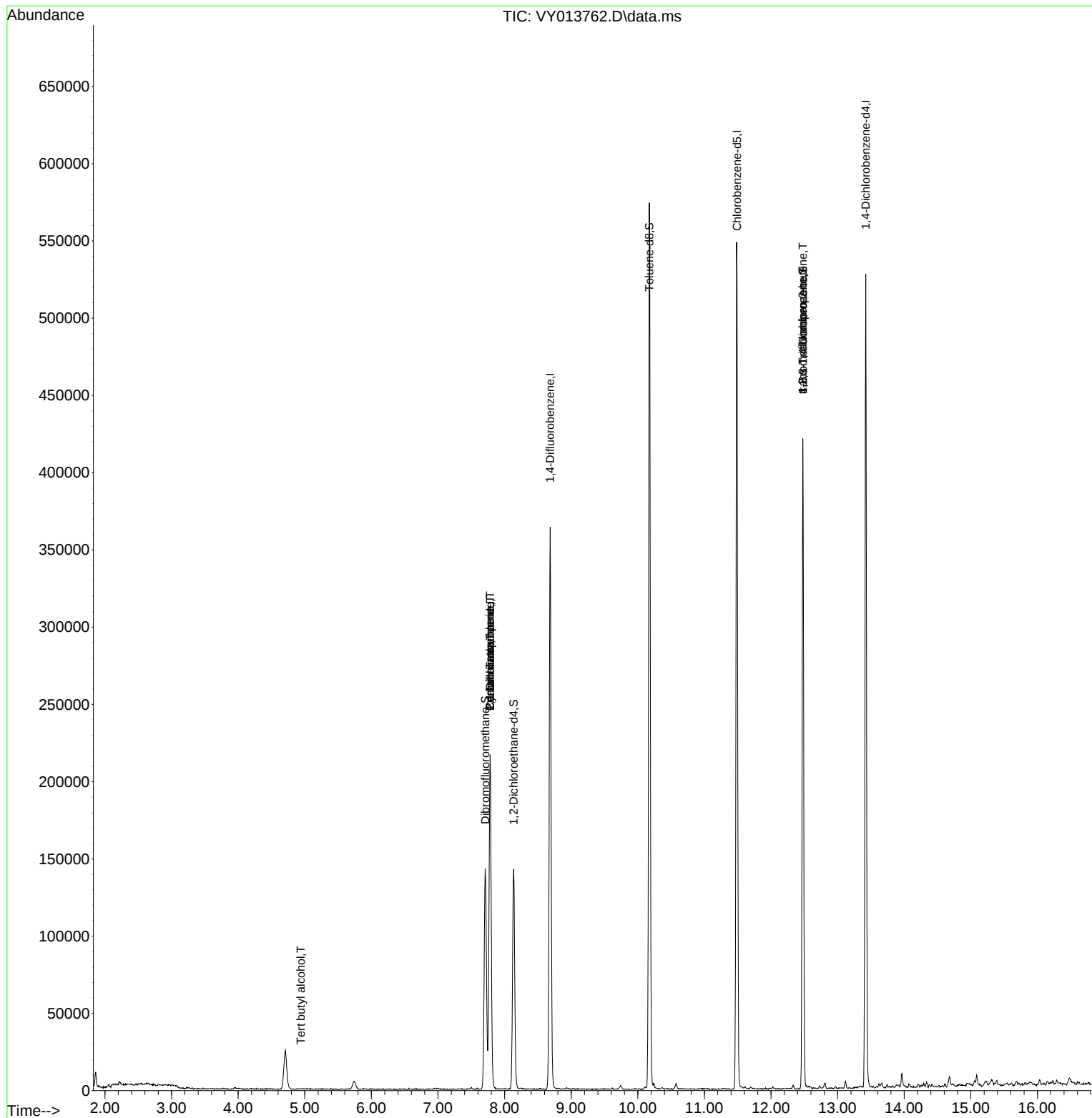
Internal Standards						
1) Pentafluorobenzene	7.783	168	162456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	289173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112016	62.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.800%	
35) Dibromofluoromethane	7.710	113	101803	55.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.480%	
50) Toluene-d8	10.173	98	364088	55.535	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.080%	
62) 4-Bromofluorobenzene	12.477	95	119257	53.958	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	230	1.794	ug/l #	89
13) Acrolein	3.607	56	21	Below Cal	#	16
20) Methylene Chloride	4.710	84	17332	Below Cal	#	85
31) Cyclohexane	7.783	56	4131	1.296	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13048	4.266	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16065	5.011	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	64028	37.122	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64028	75.936	ug/l #	13

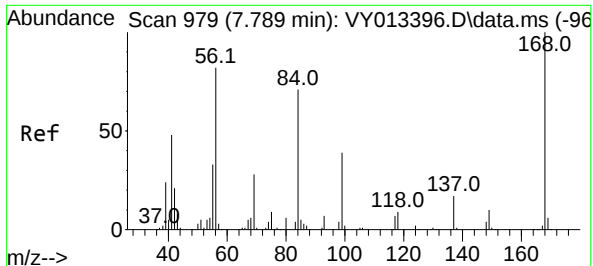
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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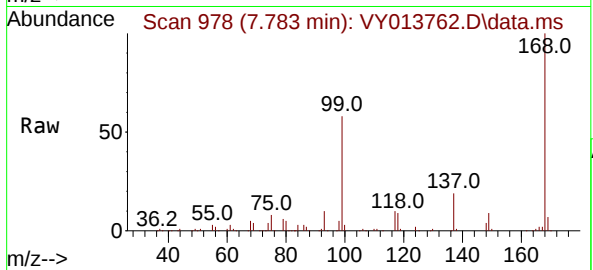
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:39:58 2023
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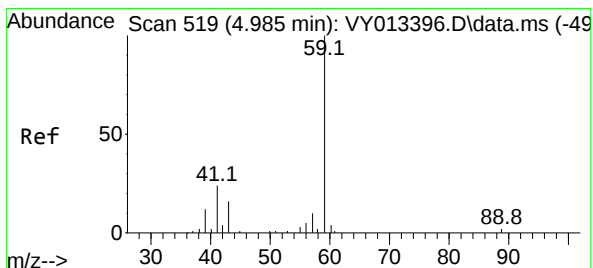
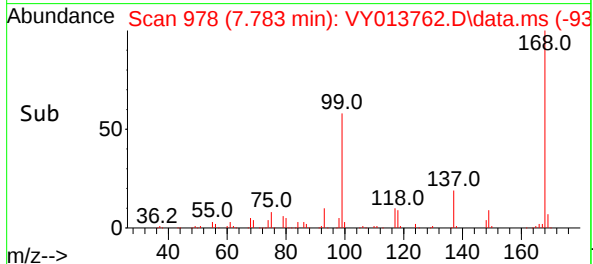
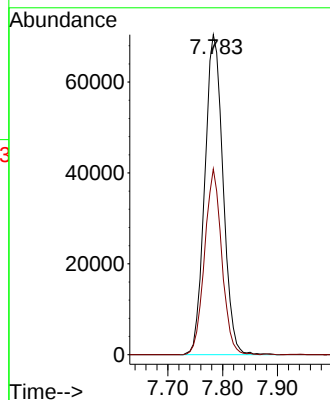


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :
ORA-1640

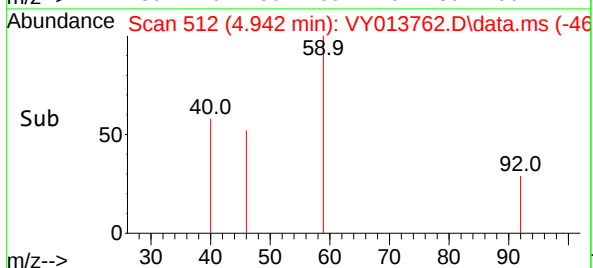
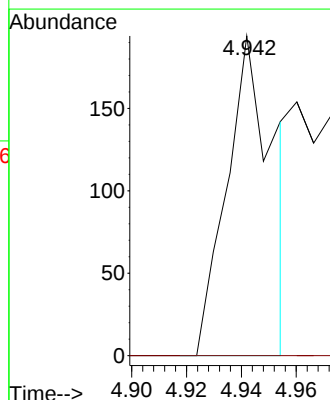
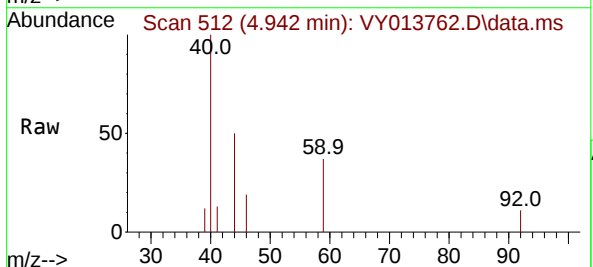


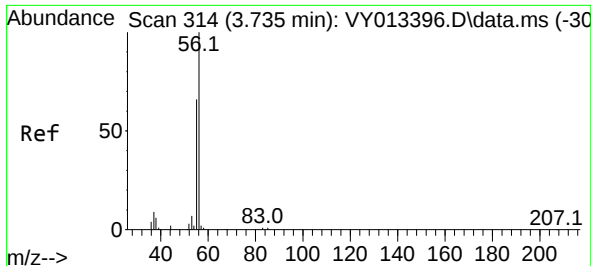
Tgt Ion:168 Resp: 162456
Ion Ratio Lower Upper
168 100
99 58.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.794 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.036 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

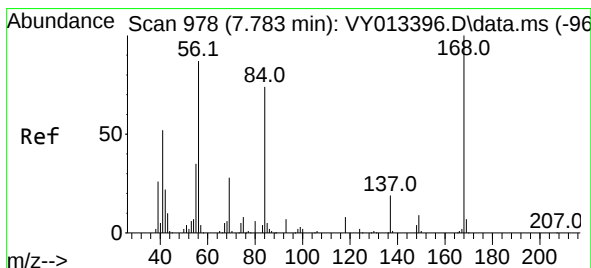
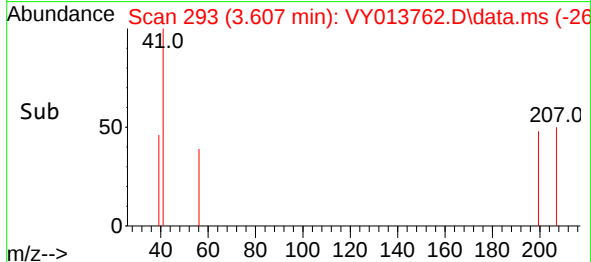
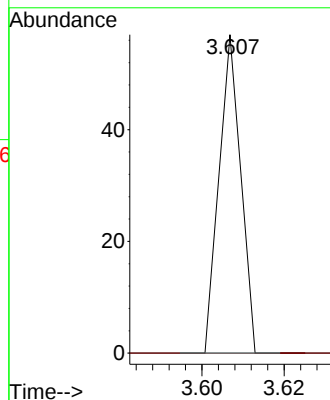
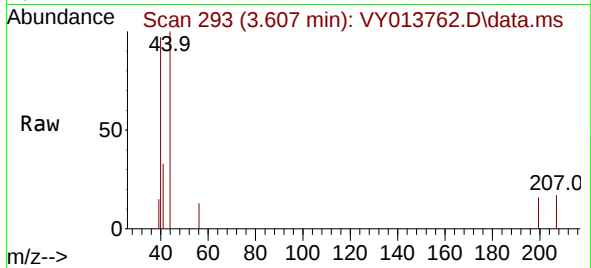




#13
Acrolein
Concen: Below Cal
RT: 3.607 min Scan# 21
Delta R.T. -0.122 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

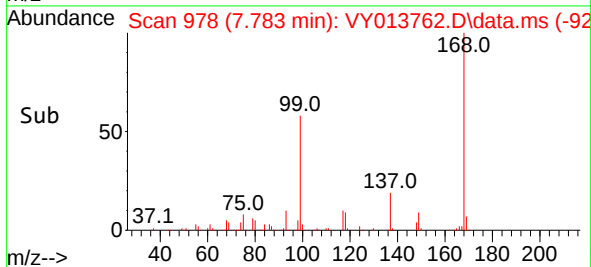
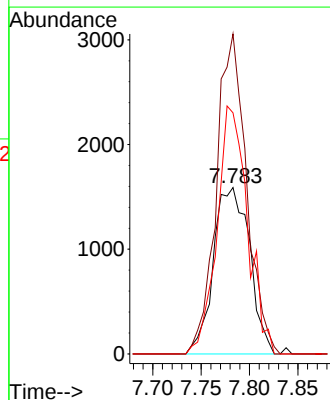
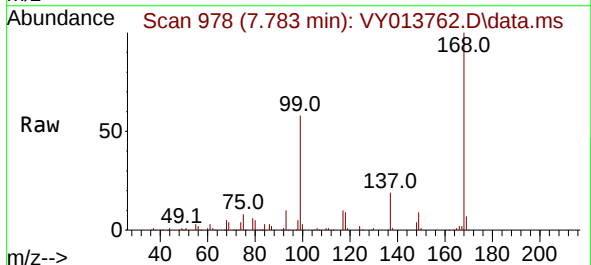
Instrument :
MSVOA_Y
ClientSampleId :
ORA-1640

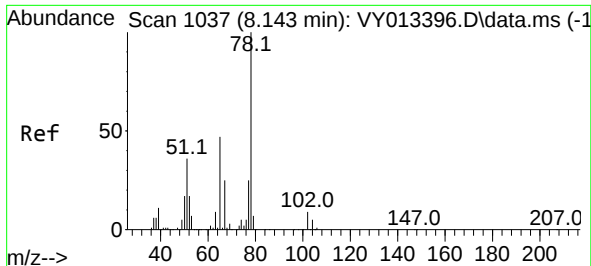
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

Tgt Ion: 56 Resp: 4131
Ion Ratio Lower Upper
56 100
69 192.3 29.2 43.8#
84 144.9 73.0 109.6#

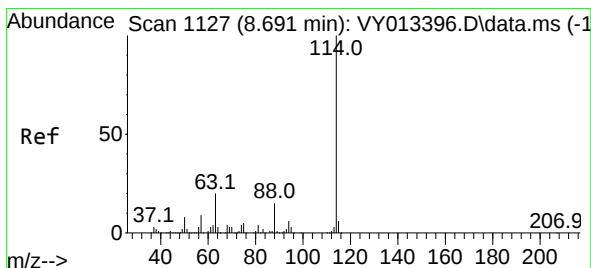
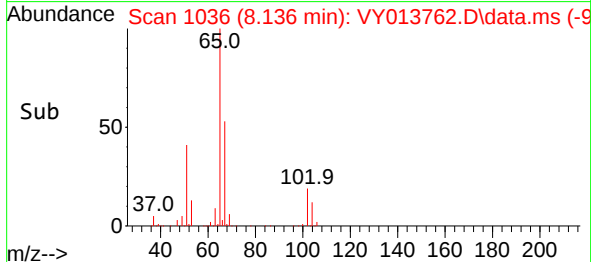
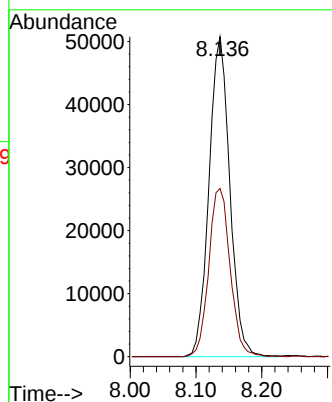
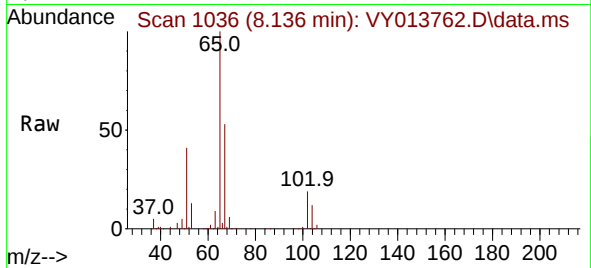




#33
 1,2-Dichloroethane-d4
 Concen: 62.899 ug/l
 RT: 8.136 min Scan# 112016
 Delta R.T. 0.001 min
 Lab File: VY013762.D
 Acq: 16 May 2023 16:15

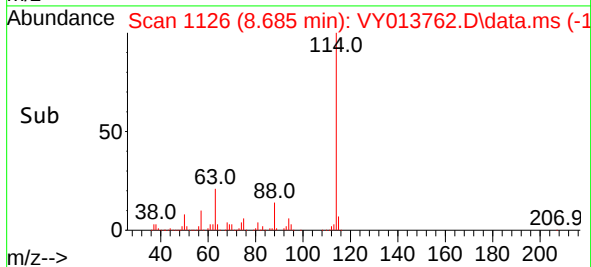
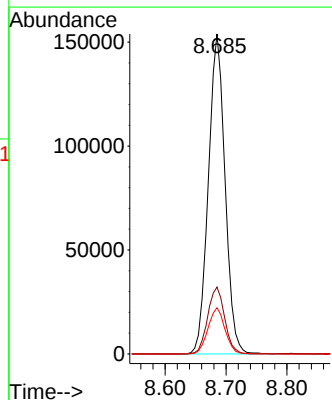
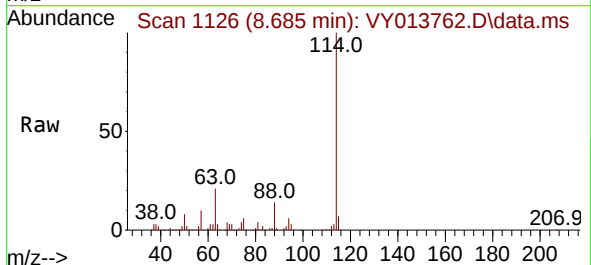
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1640

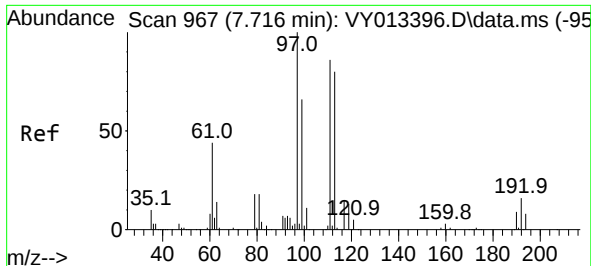
Tgt Ion: 65 Resp: 112016
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY013762.D
 Acq: 16 May 2023 16:15

Tgt Ion: 114 Resp: 293011
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 36.6
 88 14.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 55.240 ug/l

RT: 7.710 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY013762.D

Acq: 16 May 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1640

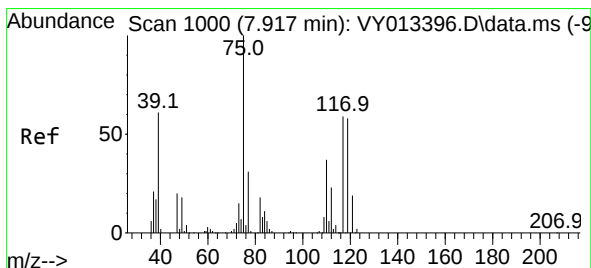
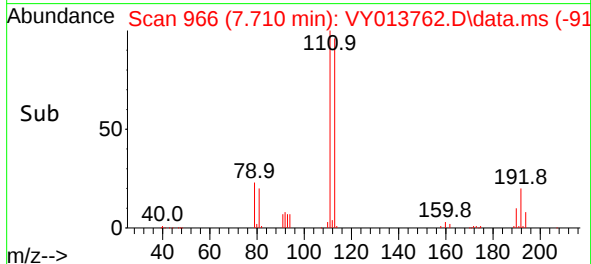
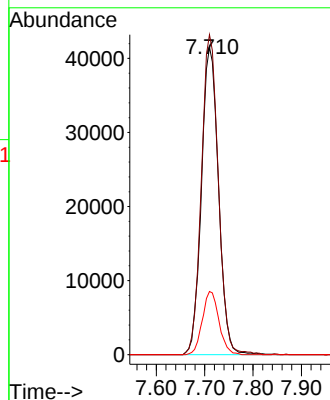
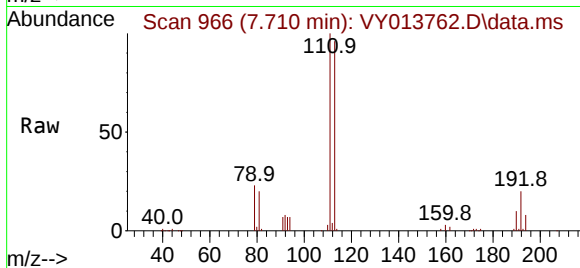
Tgt Ion:113 Resp: 101803

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.0 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY013762.D

Acq: 16 May 2023 16:15

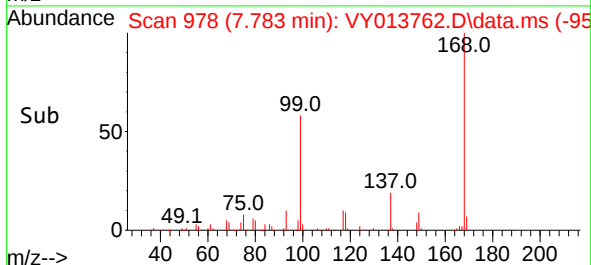
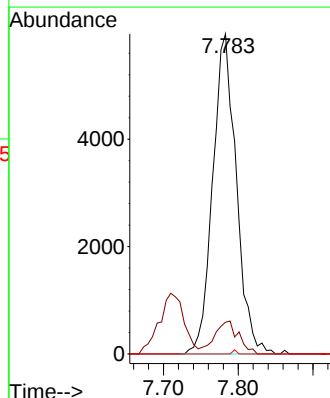
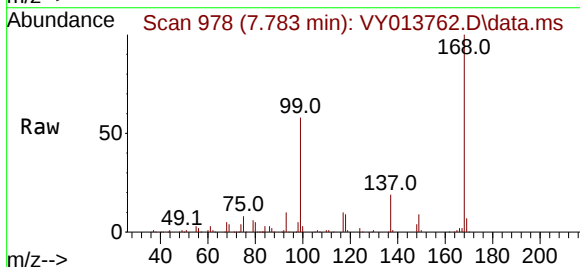
Tgt Ion: 75 Resp: 13048

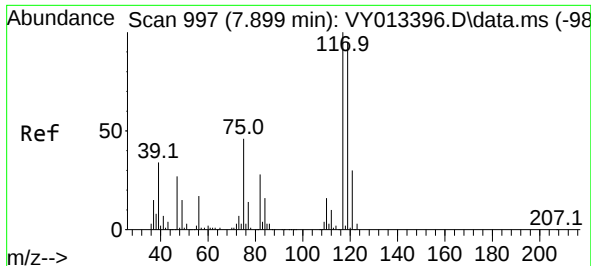
Ion Ratio Lower Upper

75 100

110 10.5 18.7 56.1#

77 0.2 24.6 37.0#

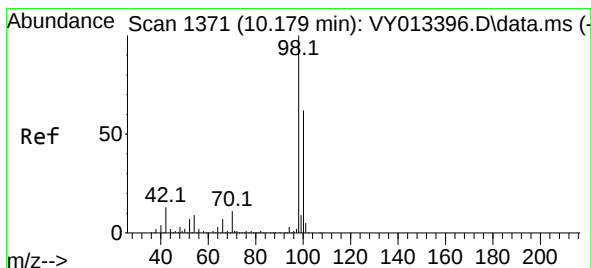
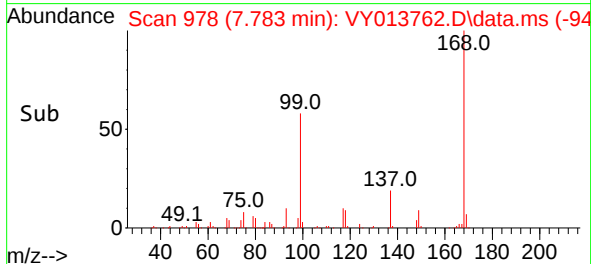
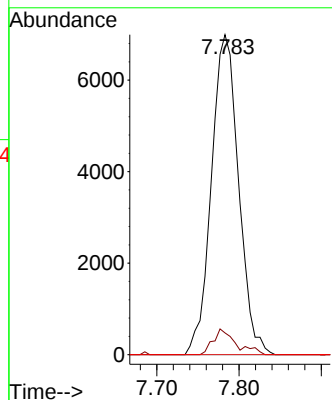
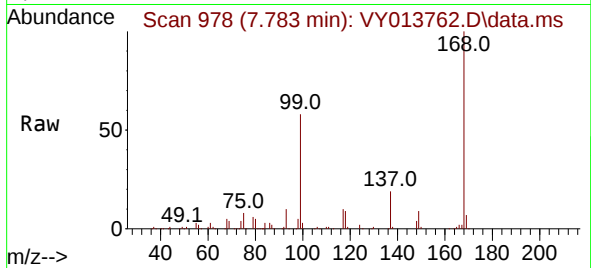




#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

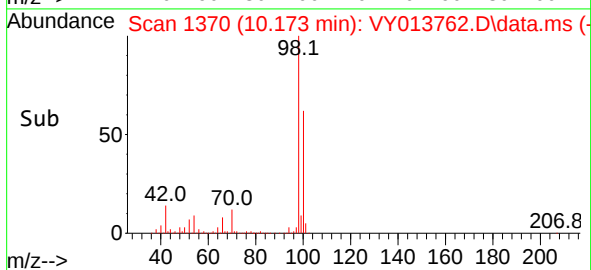
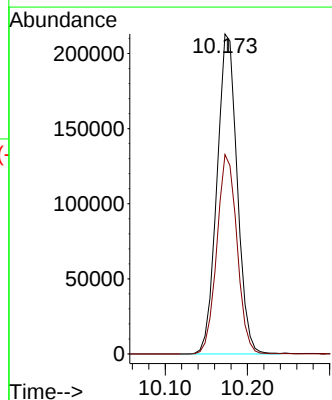
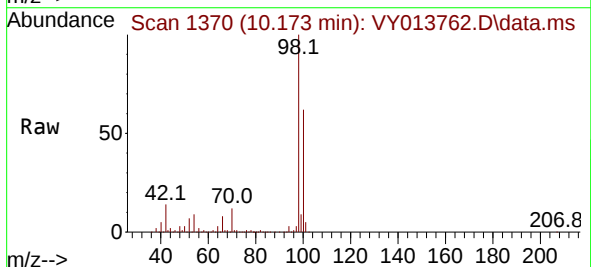
Instrument :
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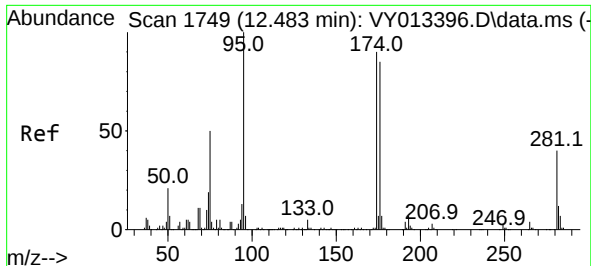
Tgt Ion:117 Resp: 16065
Ion Ratio Lower Upper
117 100
119 6.8 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.535 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013762.D
Acq: 16 May 2023 16:15

Tgt Ion: 98 Resp: 364088
Ion Ratio Lower Upper
98 100
100 62.1 50.5 75.7





#62

4-Bromofluorobenzene

Concen: 53.958 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013762.D

Acq: 16 May 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

ORA-1640

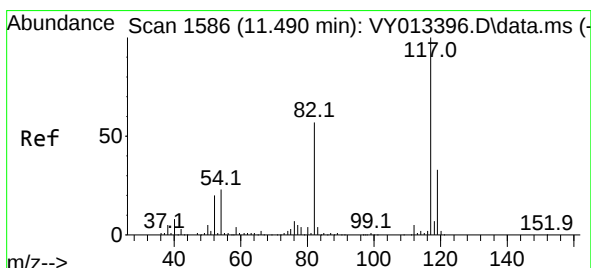
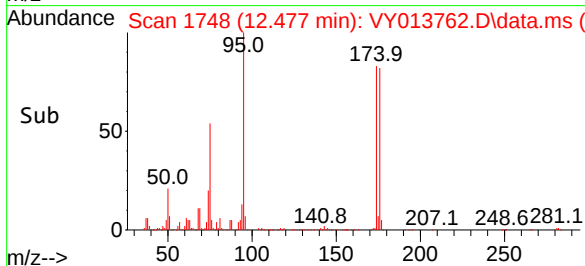
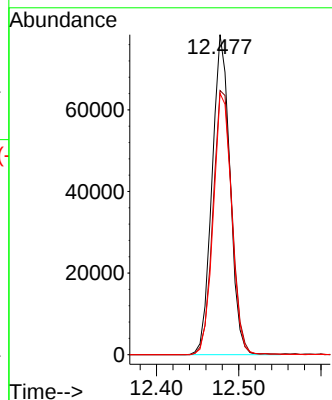
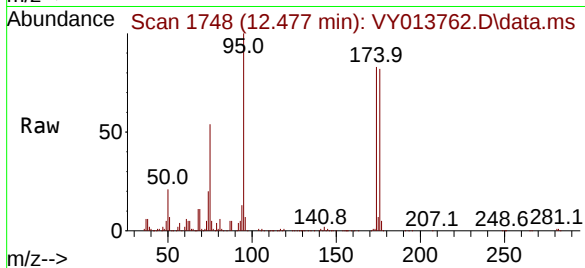
Tgt Ion: 95 Resp: 119257

Ion Ratio Lower Upper

95 100

174 87.1 0.0 182.0

176 83.6 0.0 175.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.001 min

Lab File: VY013762.D

Acq: 16 May 2023 16:15

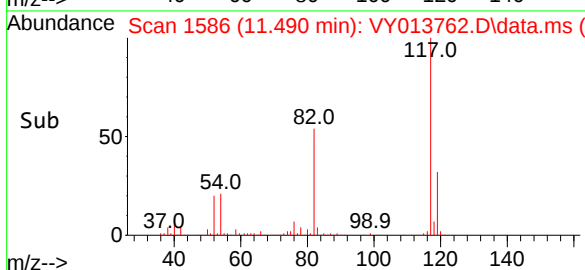
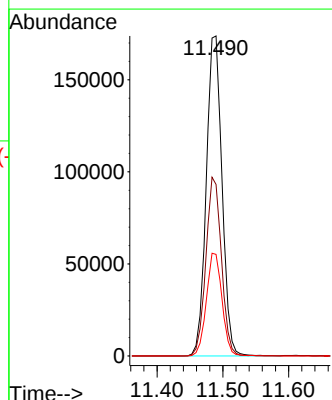
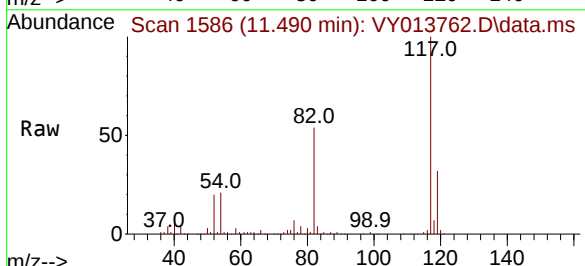
Tgt Ion: 117 Resp: 289173

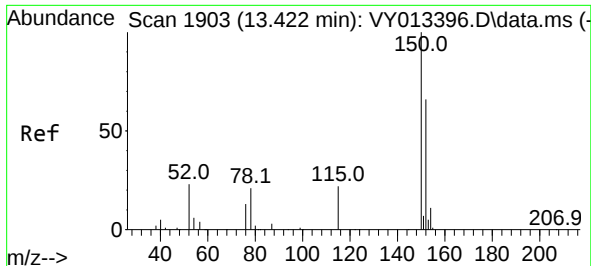
Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.6

119 31.8 25.5 38.3

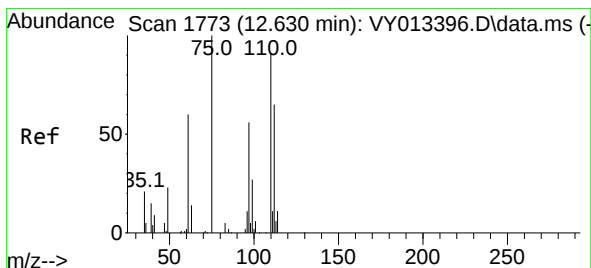
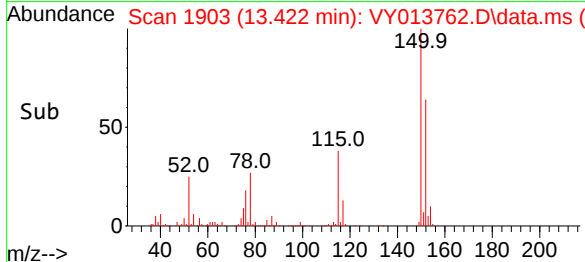
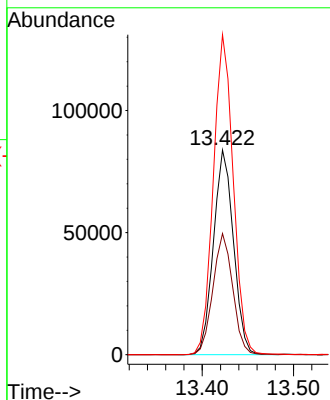
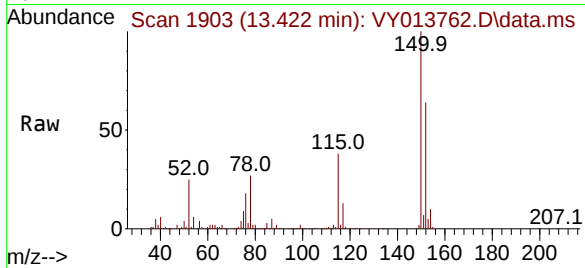




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013762.D
 Acq: 16 May 2023 16:15

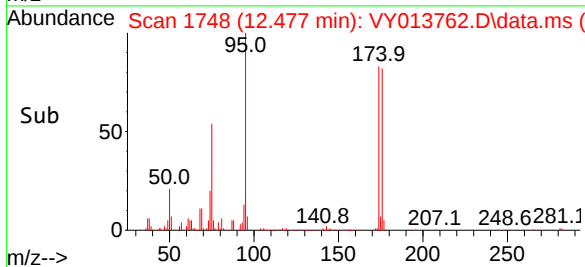
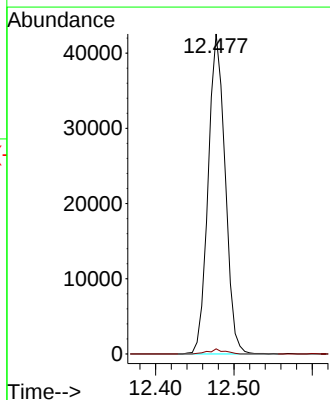
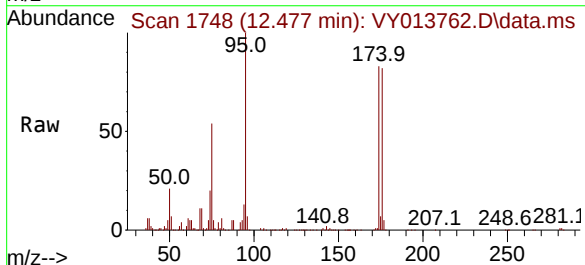
Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1640

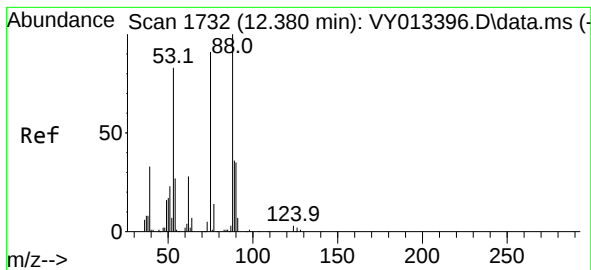
Tgt Ion:152 Resp: 127892
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.1 84.2
 150 155.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 37.122 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013762.D
 Acq: 16 May 2023 16:15

Tgt Ion: 75 Resp: 64028
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.936 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013762.D
 Acq: 16 May 2023 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 ORA-1640

Tgt Ion: 75 Resp: 64028
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.2 109.8#
 89 0.0 38.0 57.0#

