

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015662.D
 Acq On : 20 Sep 2023 16:29
 Operator : SY/MD
 Sample : 04531-01
 Misc : 5.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:43:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

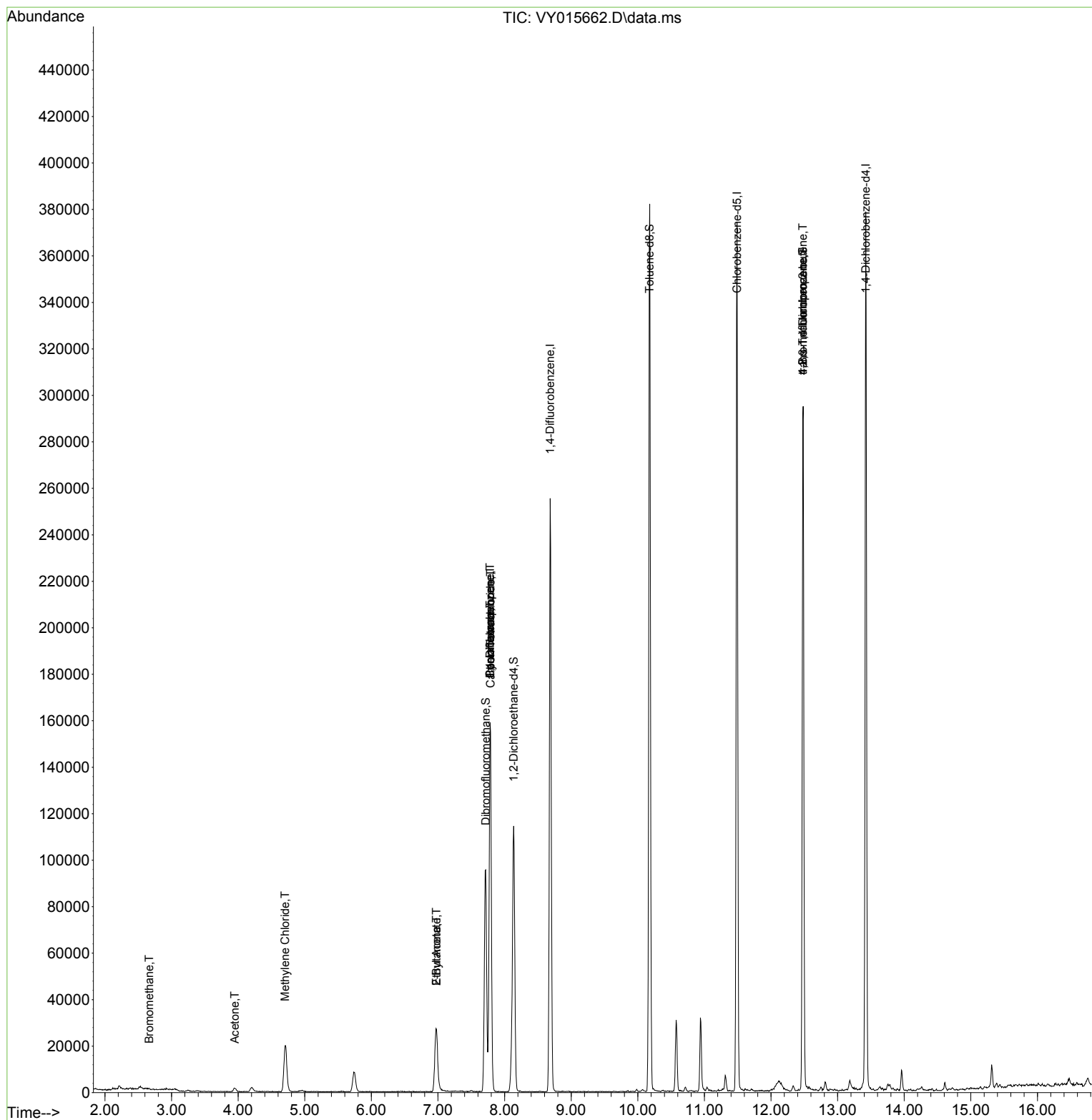
Internal Standards						
1) Pentafluorobenzene	7.783	168	123965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	214618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83282	61.059	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.120%	
35) Dibromofluoromethane	7.716	113	69708	54.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.540%	
50) Toluene-d8	10.179	98	255343	58.626	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 117.260%	
62) 4-Bromofluorobenzene	12.477	95	86861	50.818	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	106	2.643	ug/l #	2
11) Tert butyl alcohol	4.960	59	1341	Below Cal	#	93
16) Acetone	3.948	43	3058	4.189	ug/l #	88
20) Methylene Chloride	4.704	84	15082	5.087	ug/l	92
25) 2-Butanone	6.978	43	2056	1.993	ug/l #	70
31) Cyclohexane	7.783	56	2752	1.456	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	9898	5.211	ug/l #	51
37) Ethyl Acetate	6.978	43	2056	1.085	ug/l #	18
38) Carbon Tetrachloride	7.789	117	11882	5.763	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	46028	30.942	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46028	69.679	ug/l #	11

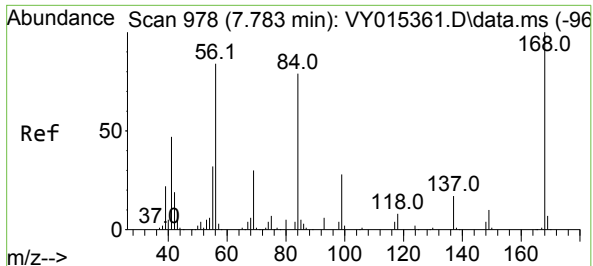
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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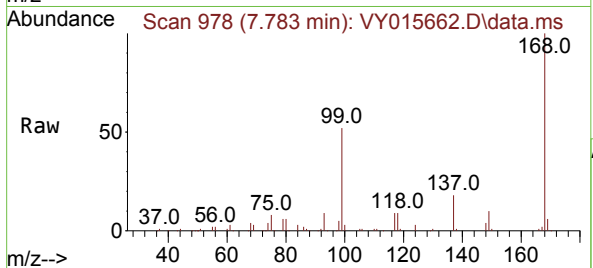
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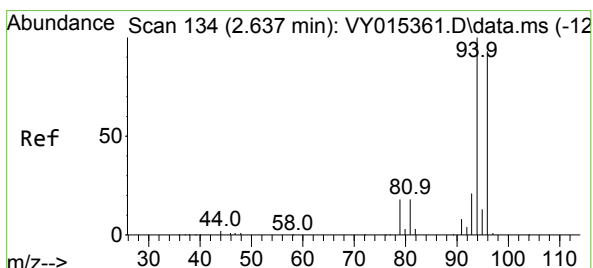
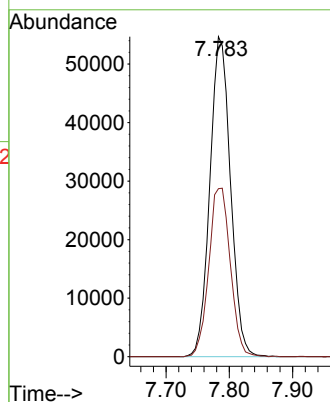
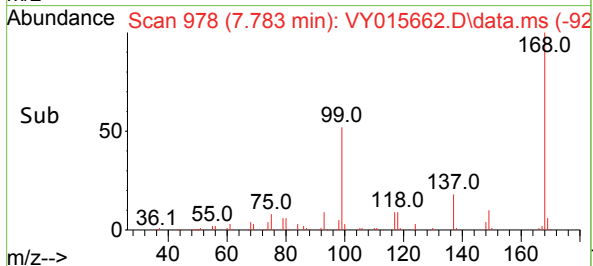


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

Instrument :
MSVOA_Y
ClientSampleId :

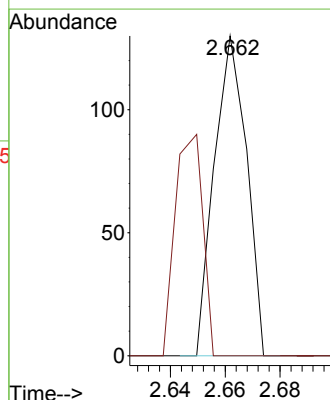
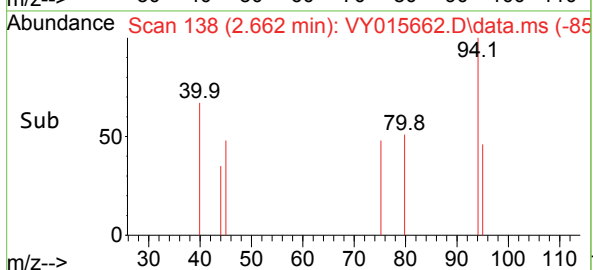
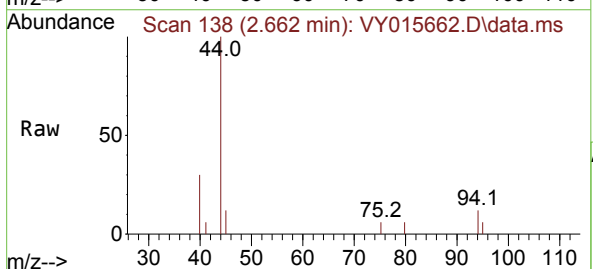


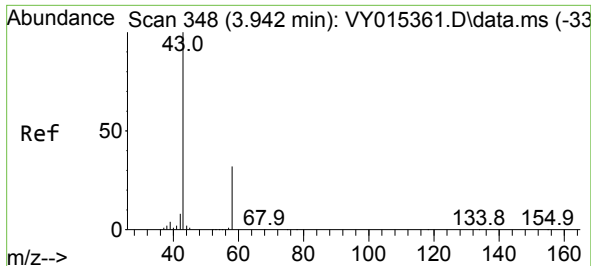
Tgt Ion:168 Resp: 123965
Ion Ratio Lower Upper
168 100
99 52.5 43.4 65.0



#5
Bromomethane
Concen: 2.643 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.025 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#

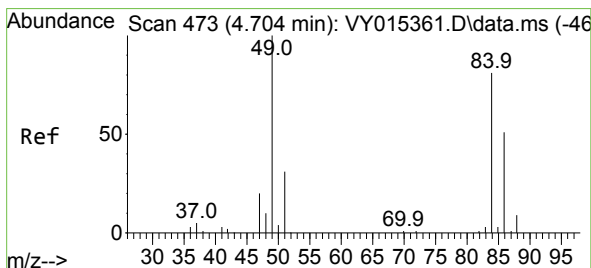
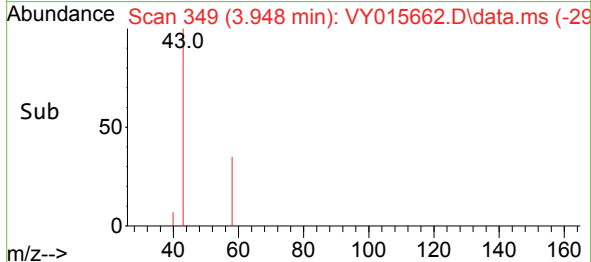
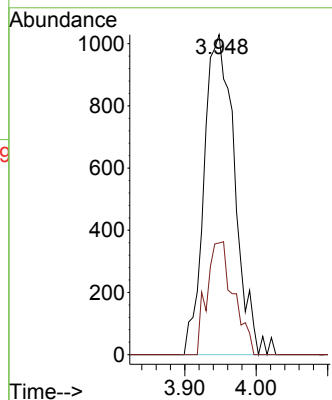
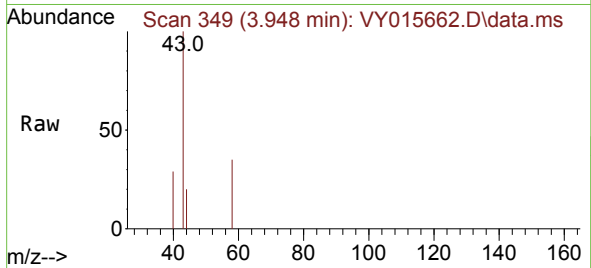




#16
Acetone
Concen: 4.189 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

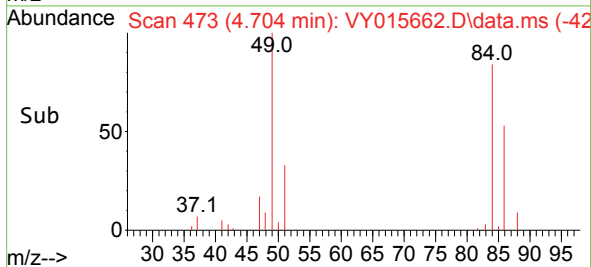
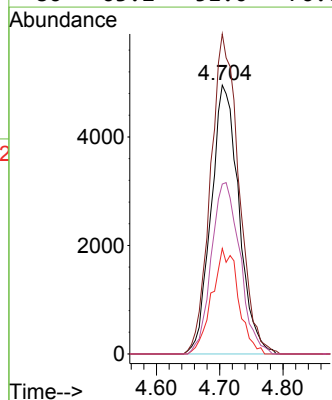
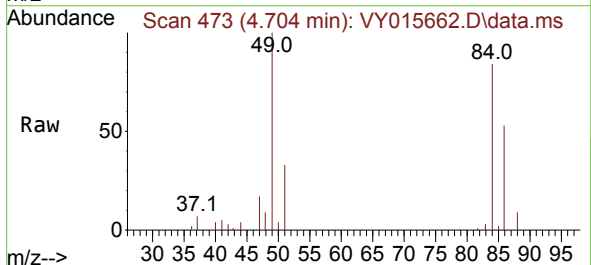
Instrument :
MSVOA_Y
ClientSampleId :

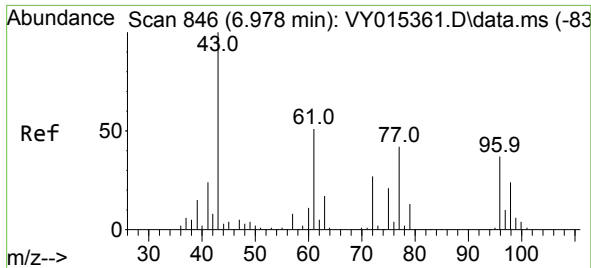
Tgt Ion: 43 Resp: 3058
Ion Ratio Lower Upper
43 100
58 34.9 22.7 34.1#



#20
Methylene Chloride
Concen: 5.087 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

Tgt Ion: 84 Resp: 15082
Ion Ratio Lower Upper
84 100
49 119.1 106.9 160.3
51 39.2 33.2 49.8
86 63.2 51.0 76.6

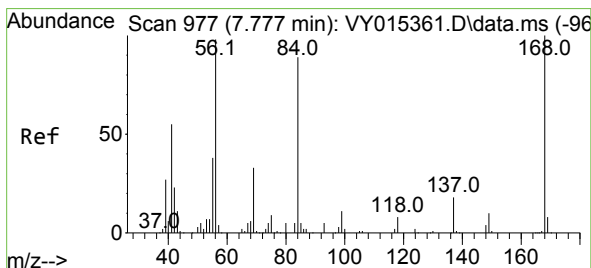
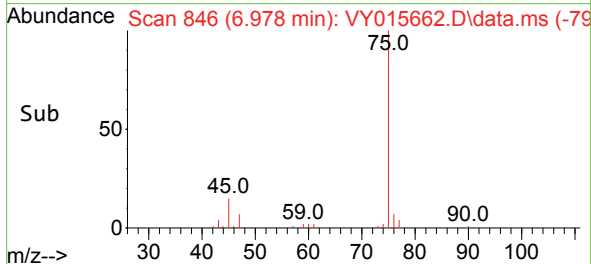
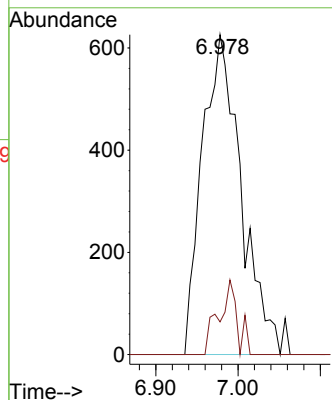
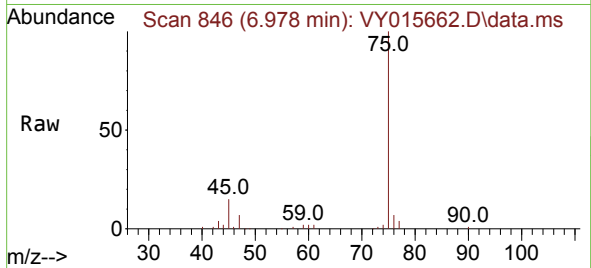




#25
2-Butanone
Concen: 1.993 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

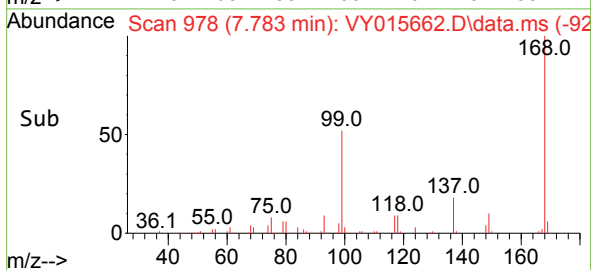
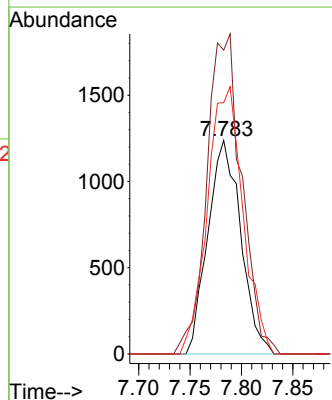
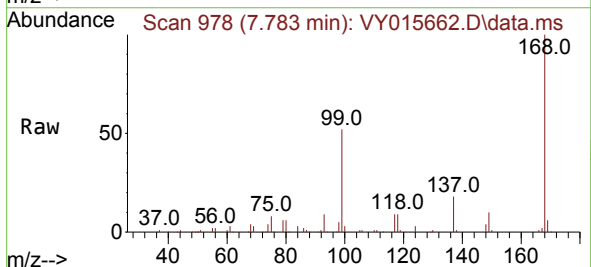
Instrument :
MSVOA_Y
ClientSampleId :

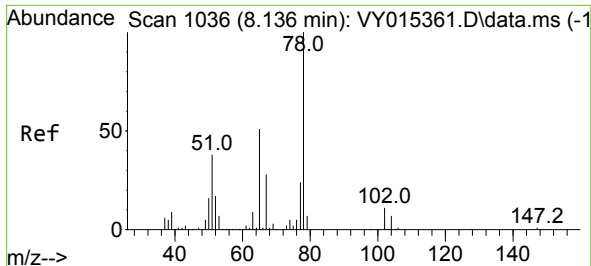
Tgt Ion: 43 Resp: 2056
Ion Ratio Lower Upper
43 100
72 10.2 20.5 30.7#



#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

Tgt Ion: 56 Resp: 2752
Ion Ratio Lower Upper
56 100
69 142.2 27.8 41.6#
84 117.7 66.4 99.6#

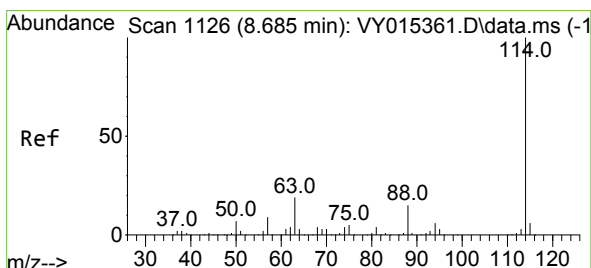
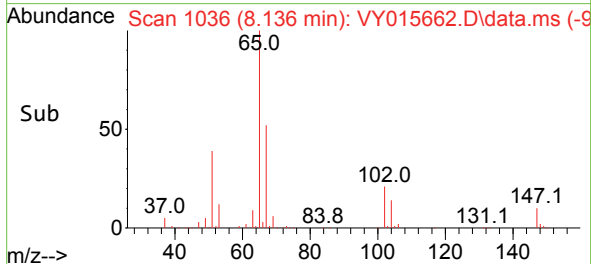
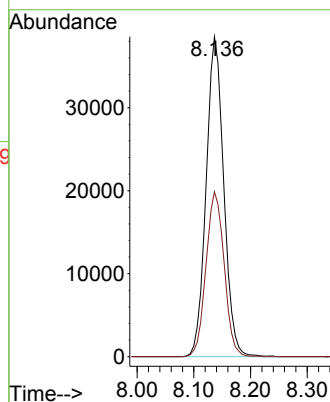
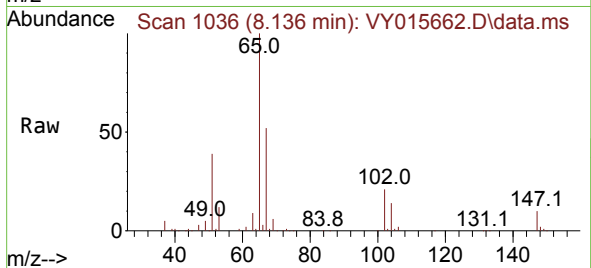




#33
 1,2-Dichloroethane-d4
 Concen: 61.059 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015662.D
 Acq: 20 Sep 2023 16:29

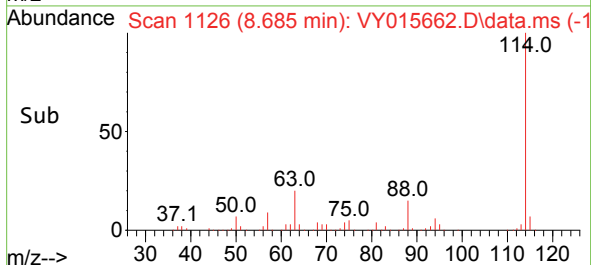
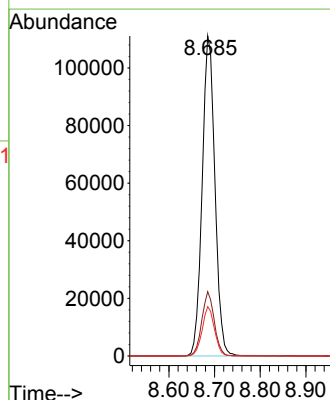
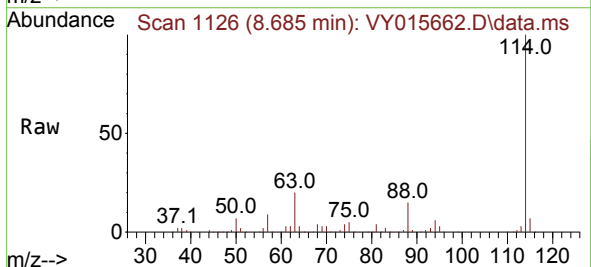
Instrument :
 MSVOA_Y
 ClientSampleId :

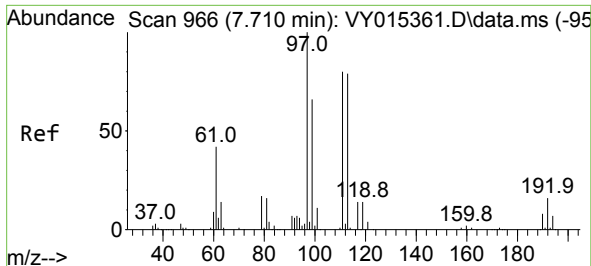
Tgt Ion: 65 Resp: 83282
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015662.D
 Acq: 20 Sep 2023 16:29

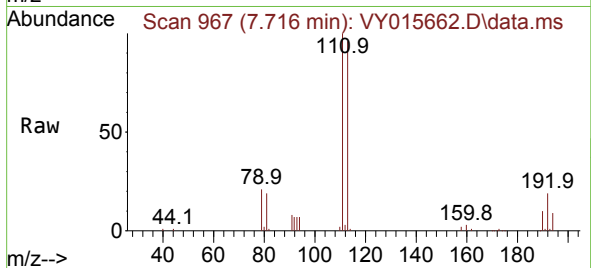
Tgt Ion: 114 Resp: 214618
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 15.4 0.0 30.6



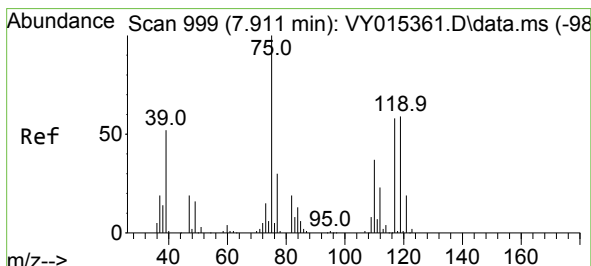
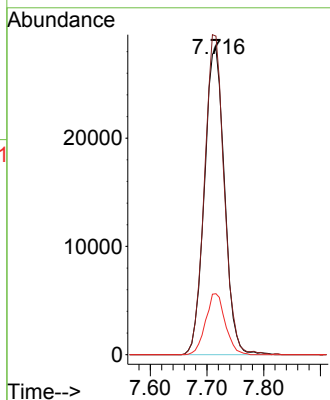
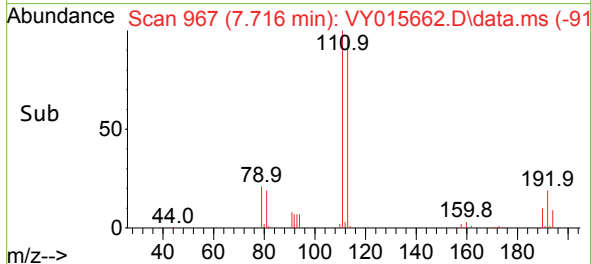


#35
Dibromofluoromethane
Concen: 54.266 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

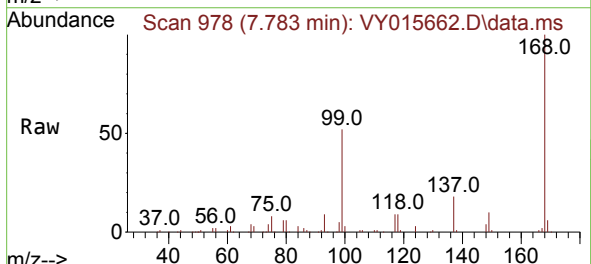
Instrument :
MSVOA_Y
ClientSampleId :



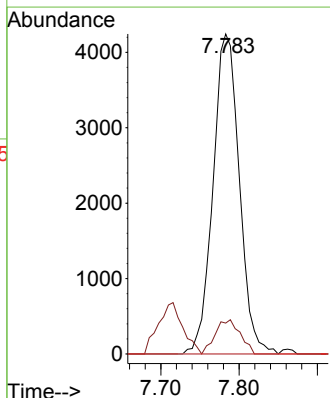
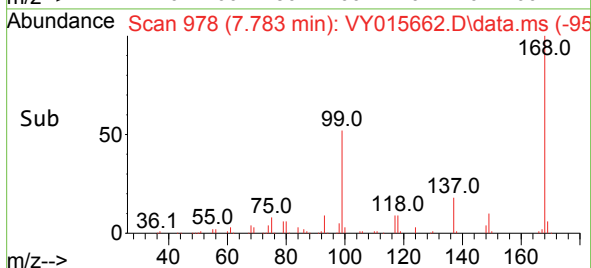
Tgt Ion:113 Resp: 69708
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.4 16.9 25.3

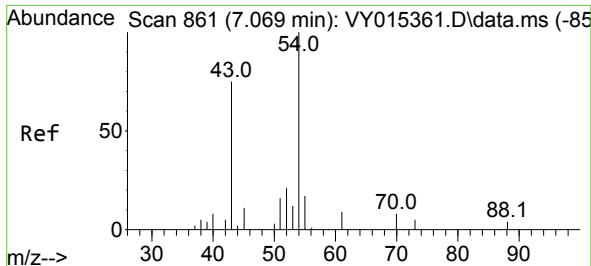


#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29



Tgt Ion: 75 Resp: 9898
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.085 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY015662.D

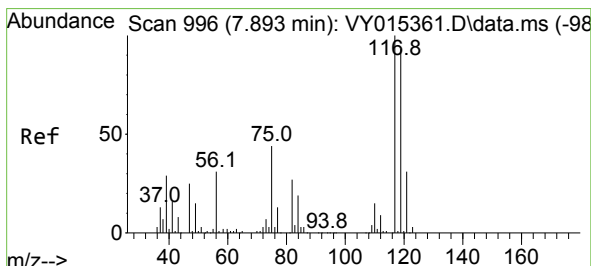
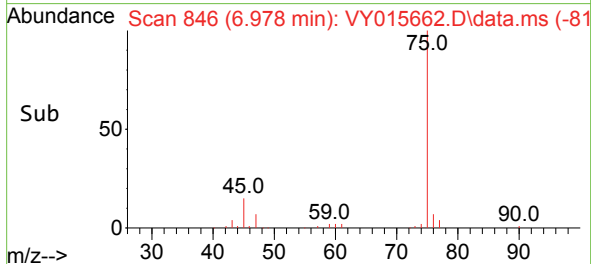
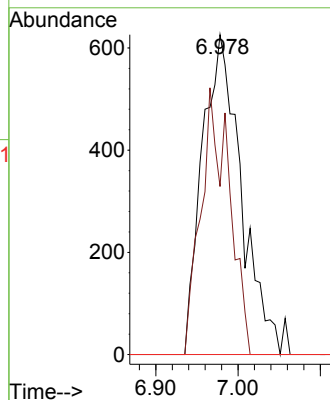
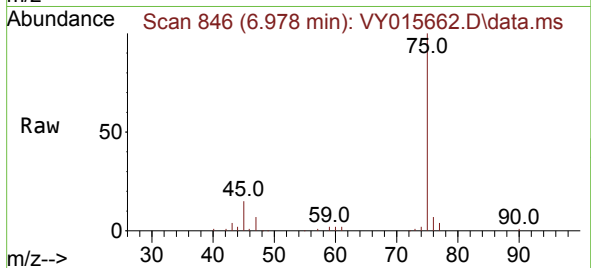
Acq: 20 Sep 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	2056
Ion	Ratio	Lower	Upper
43	100		
61	61.2	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.763 ug/l

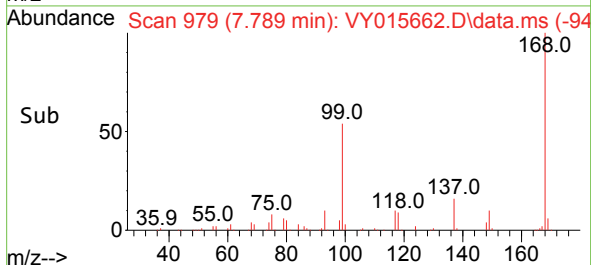
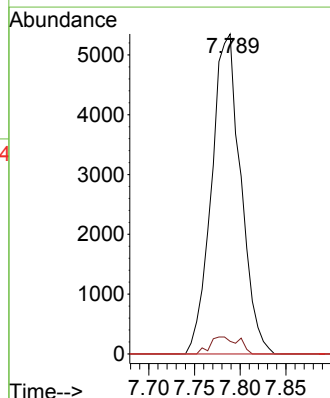
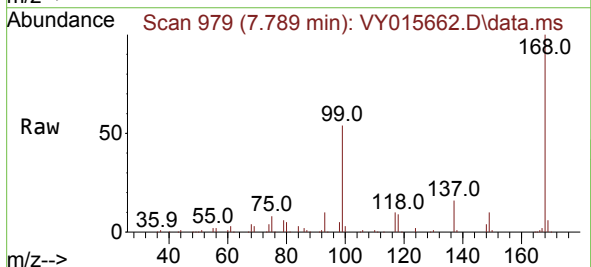
RT: 7.789 min Scan# 979

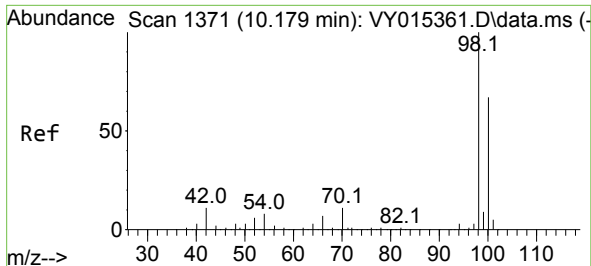
Delta R.T. -0.104 min

Lab File: VY015662.D

Acq: 20 Sep 2023 16:29

Tgt Ion:	117	Resp:	11882
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.4	114.6#
121	0.0	25.8	38.6#

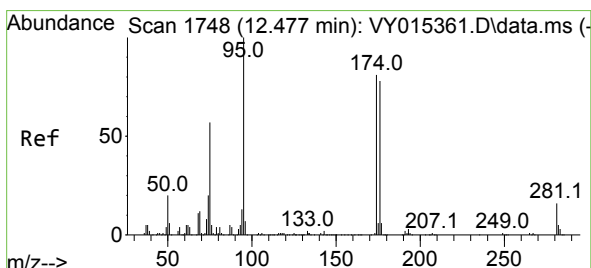
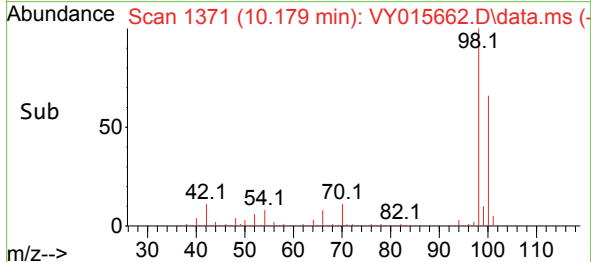
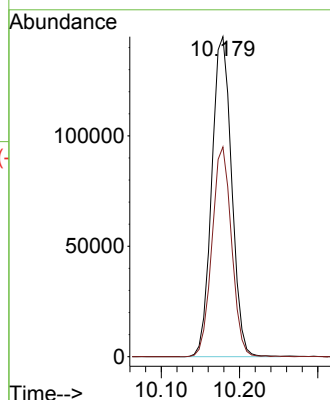
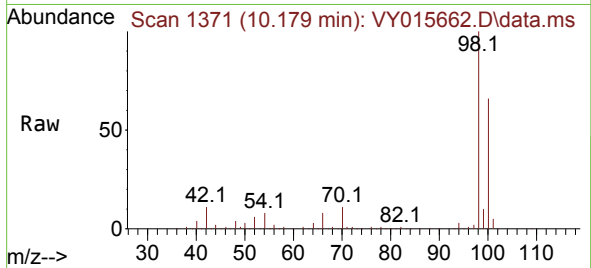




#50
Toluene-d8
Concen: 58.626 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

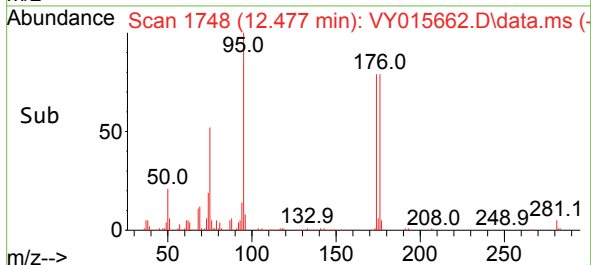
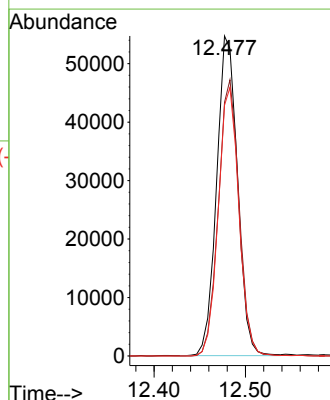
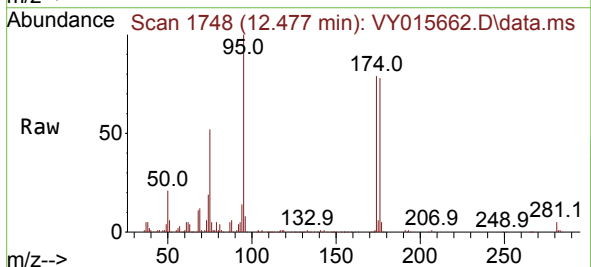
Instrument :
MSVOA_Y
ClientSampleId :

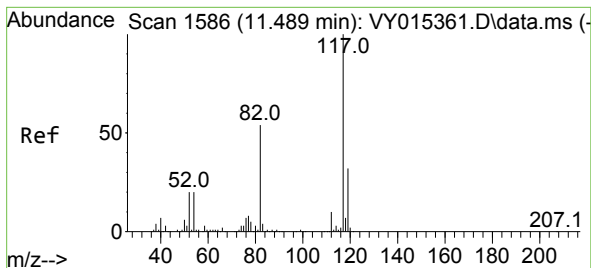
Tgt Ion: 98 Resp: 255343
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.818 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015662.D
Acq: 20 Sep 2023 16:29

Tgt Ion: 95 Resp: 86861
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015662.D

Acq: 20 Sep 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

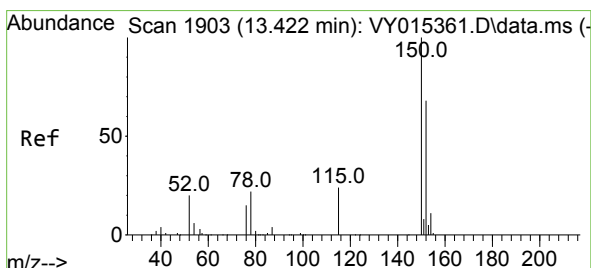
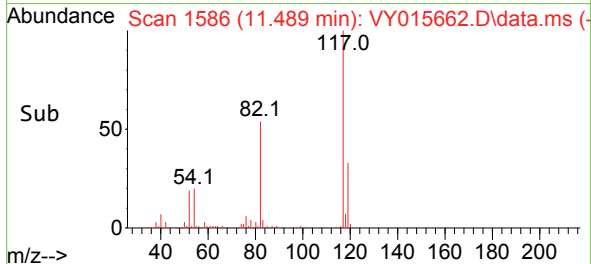
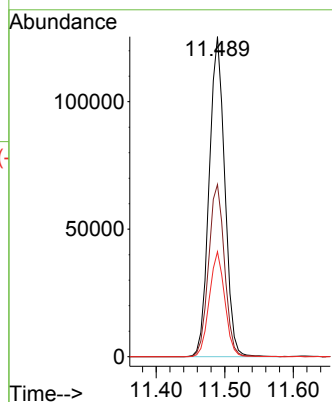
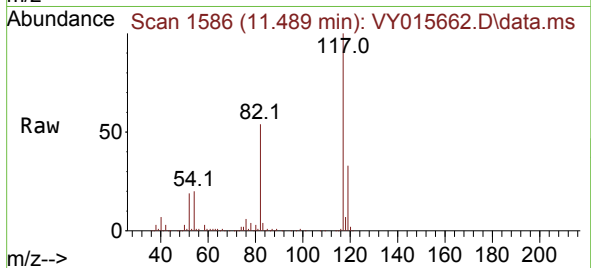
Tgt Ion:117 Resp: 198975

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 32.8 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: VY015662.D

Acq: 20 Sep 2023 16:29

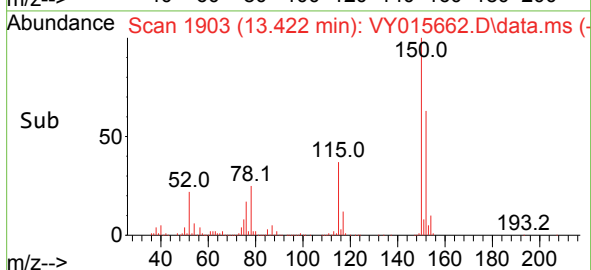
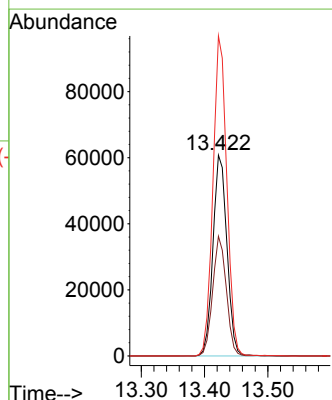
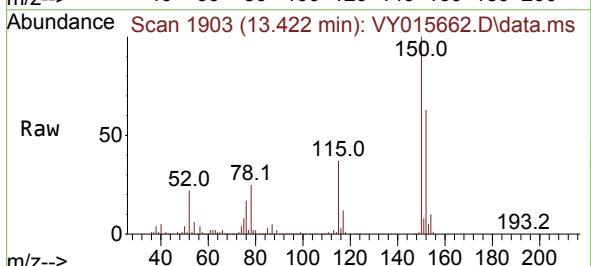
Tgt Ion:152 Resp: 93244

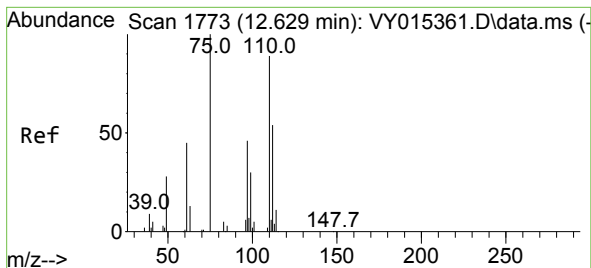
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 30.942 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015662.D

Acq: 20 Sep 2023 16:29

Instrument :

MSVOA_Y

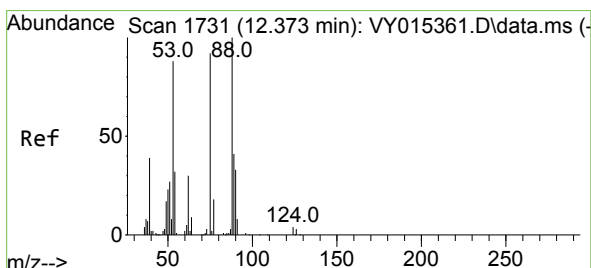
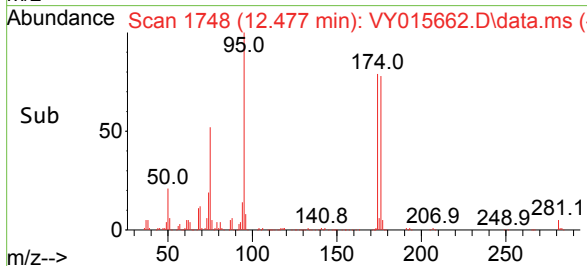
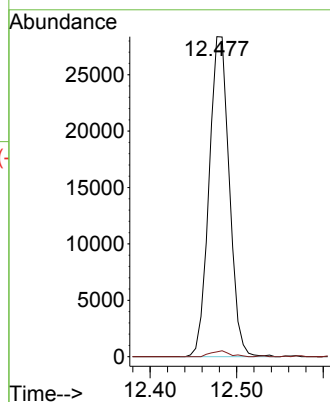
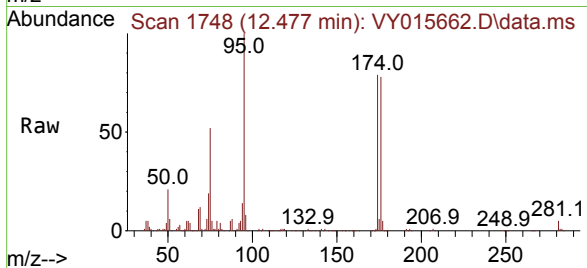
ClientSampleId :

Tgt Ion: 75 Resp: 46028

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.679 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY015662.D

Acq: 20 Sep 2023 16:29

Tgt Ion: 75 Resp: 46028

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.2 37.4 56.0#

