

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092623\
 Data File : VY015711.D
 Acq On : 26 Sep 2023 16:02
 Operator : SY/MD
 Sample : 04606-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 27 01:33:32 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)

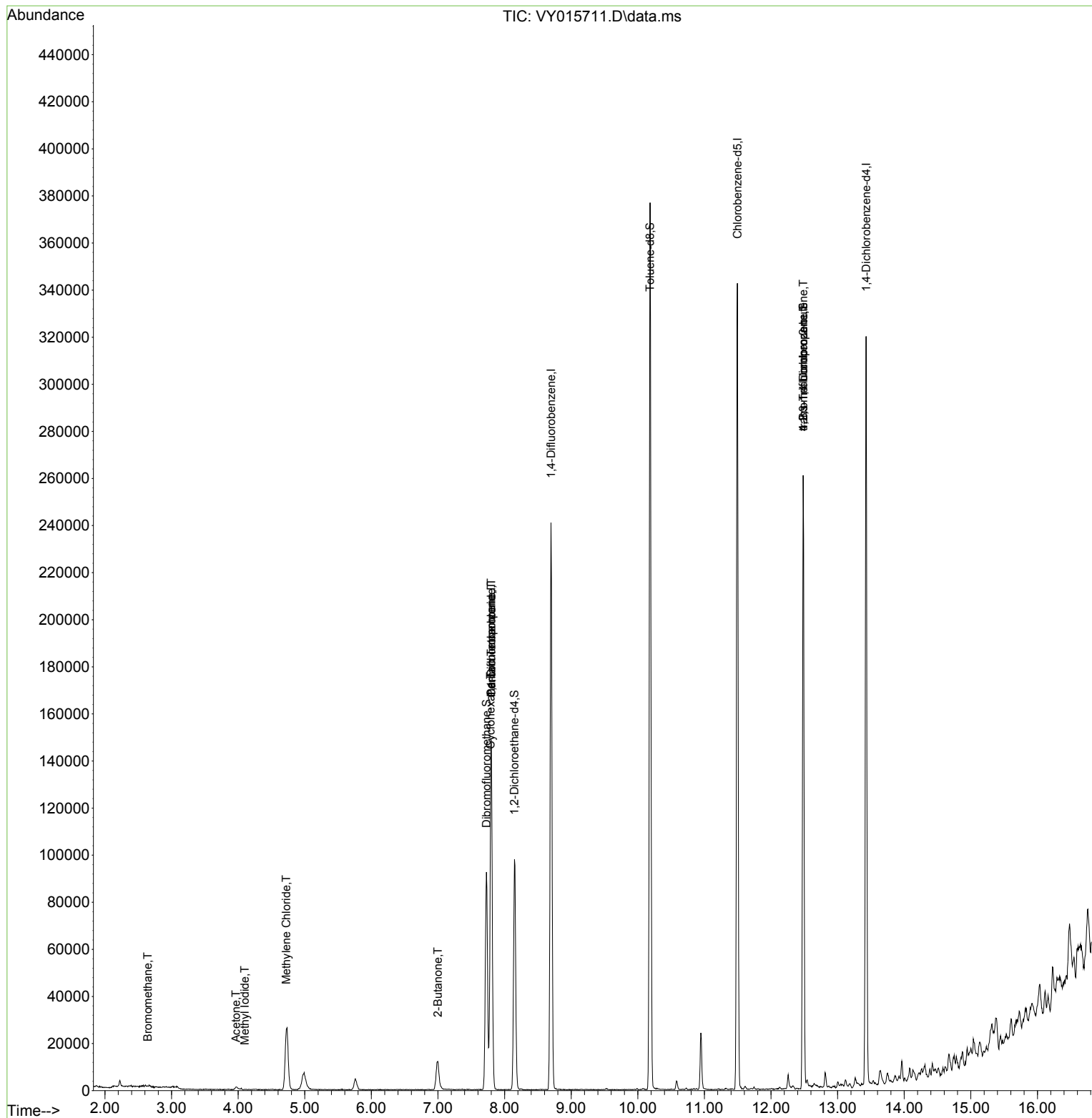
Internal Standards						
1) Pentafluorobenzene	7.801	168	117910	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	203011	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	184592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	76084	58.646	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.300%	
35) Dibromofluoromethane	7.728	113	66293	54.558	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.120%	
50) Toluene-d8	10.185	98	239949	58.241	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.480%	
62) 4-Bromofluorobenzene	12.483	95	78118	48.316	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.644	94	19	2.573	ug/l #	2
10) Methyl Iodide	4.101	142	74	2.779	ug/l #	38
11) Tert butyl alcohol	4.979	59	16669	Below Cal	#	80
16) Acetone	3.966	43	2461	3.545	ug/l	95
20) Methylene Chloride	4.722	84	20669	9.692	ug/l	89
25) 2-Butanone	6.996	43	1120	1.141	ug/l #	49
31) Cyclohexane	7.789	56	2388	1.329	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9108	5.070	ug/l #	50
38) Carbon Tetrachloride	7.801	117	11812	6.057	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	40955	31.841	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40955	71.704	ug/l #	11

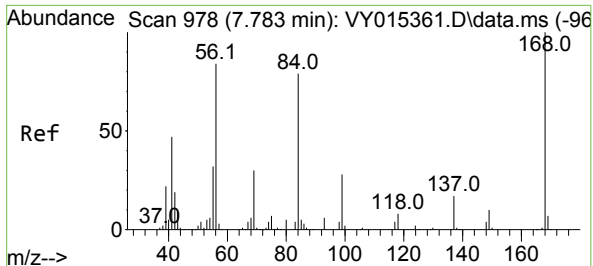
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 01:33:32 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

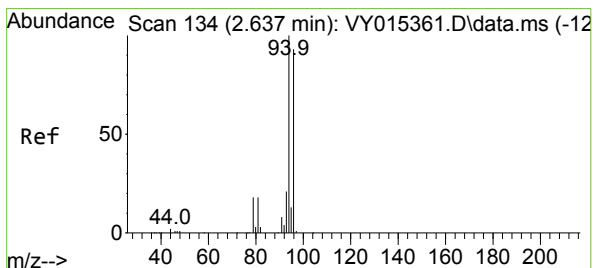
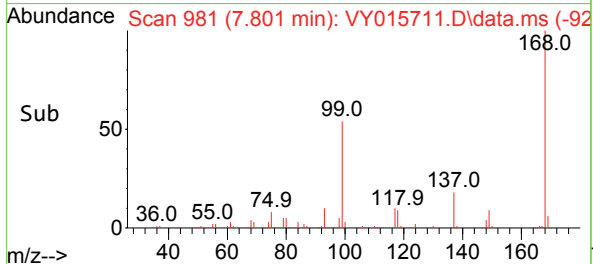
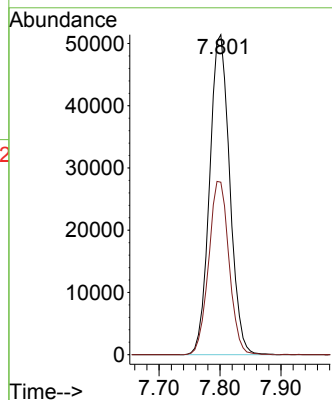
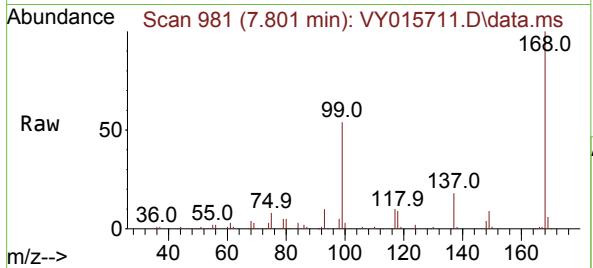




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

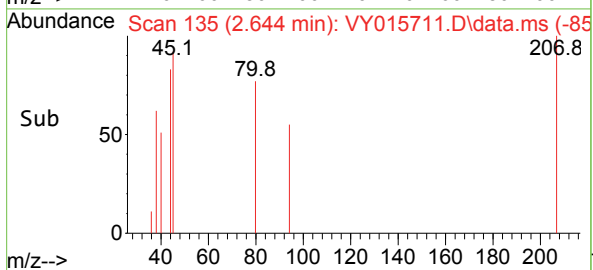
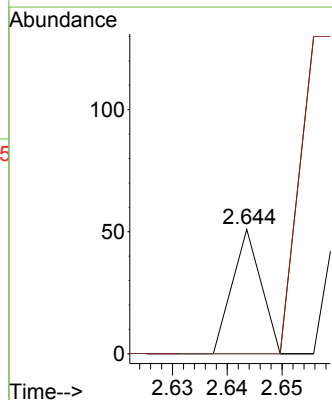
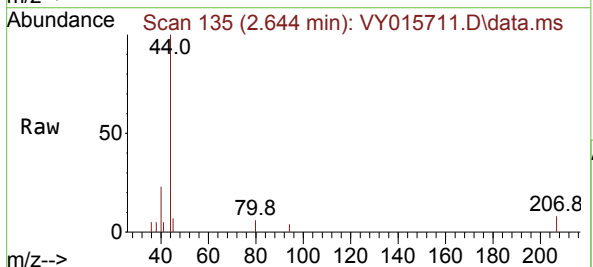
Instrument :
MSVOA_Y
ClientSampleId :

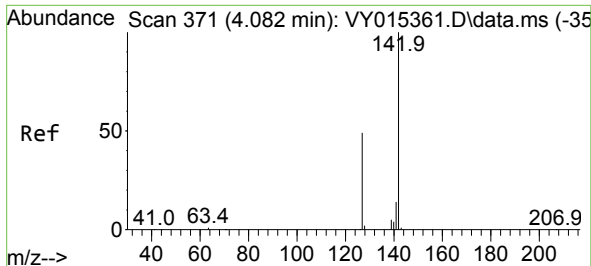
Tgt Ion:168 Resp: 117910
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#5
Bromomethane
Concen: 2.573 ug/l
RT: 2.644 min Scan# 135
Delta R.T. 0.007 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

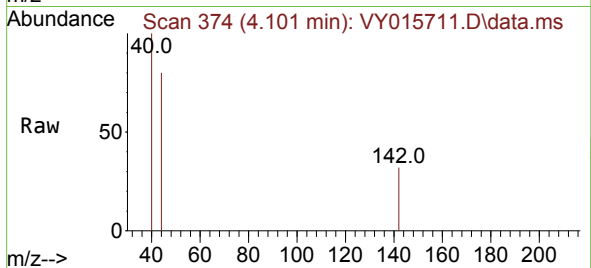
Tgt Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



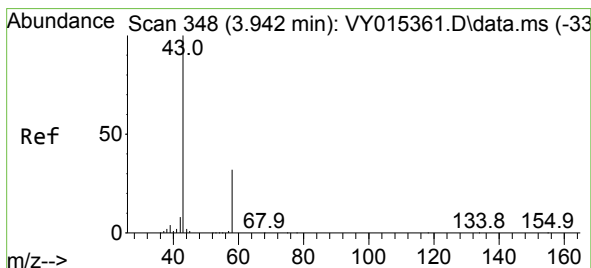
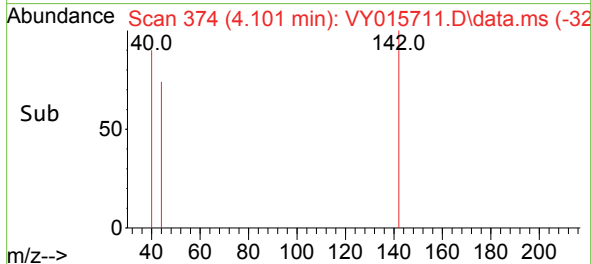
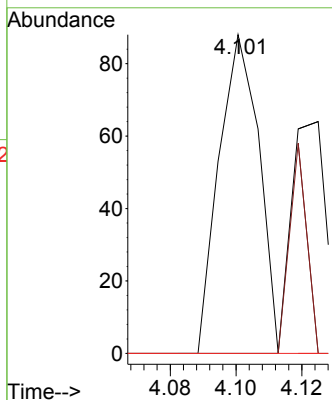


#10
Methyl Iodide
Concen: 2.779 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :

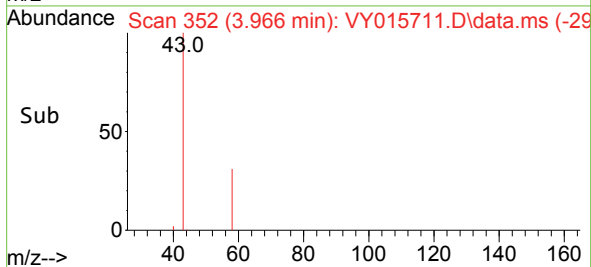
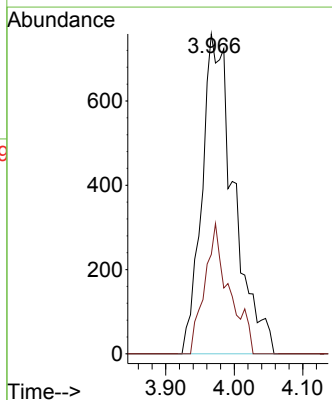
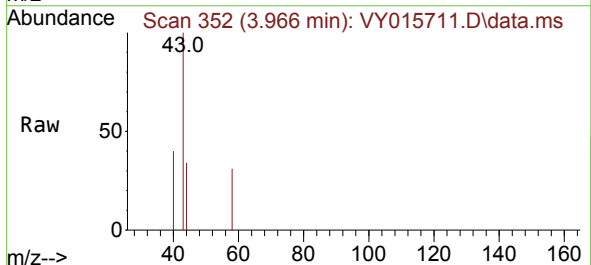


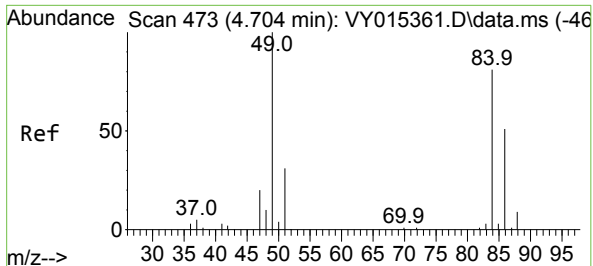
Tgt Ion:142 Resp: 74
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 3.545 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

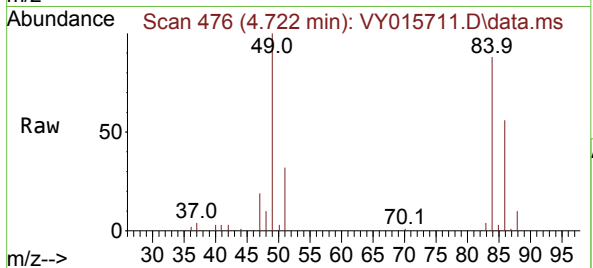
Tgt Ion: 43 Resp: 2461
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1



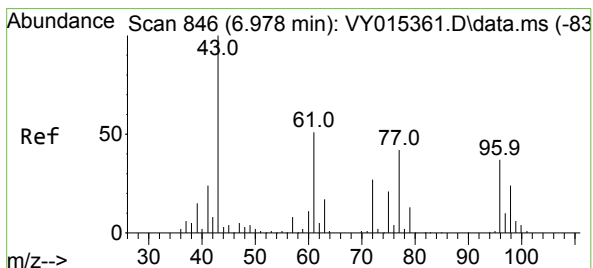
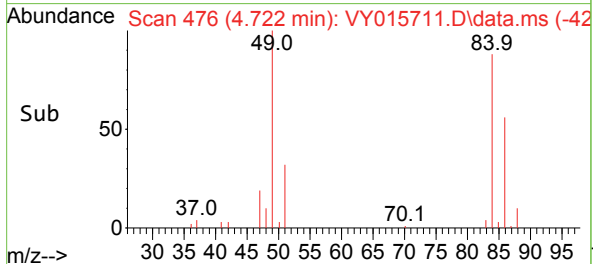
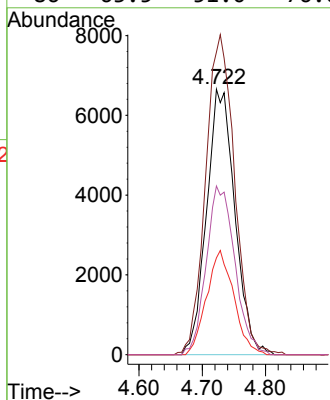


#20
Methylene Chloride
Concen: 9.692 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :

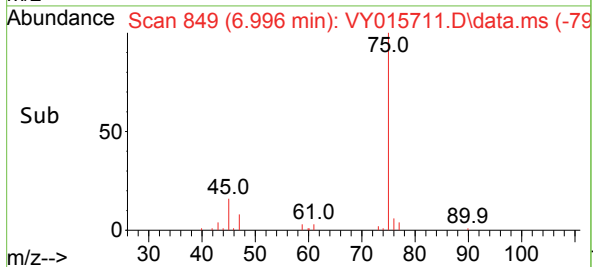
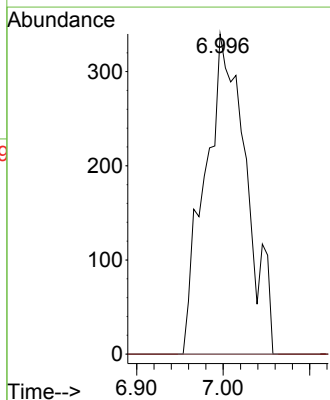
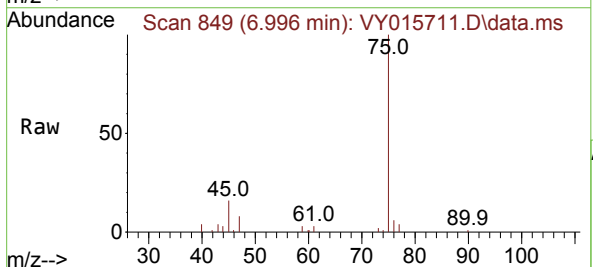


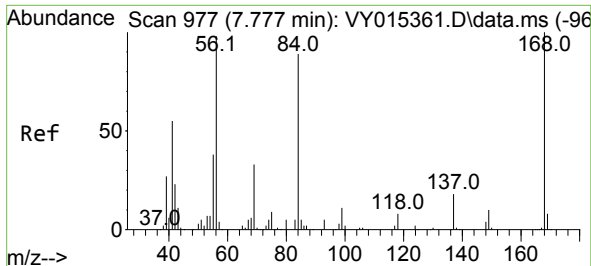
Tgt Ion: 84	Resp: 20669		
Ion	Ratio	Lower	Upper
84	100		
49	113.2	106.9	160.3
51	36.5	33.2	49.8
86	63.5	51.0	76.6



#25
2-Butanone
Concen: 1.141 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

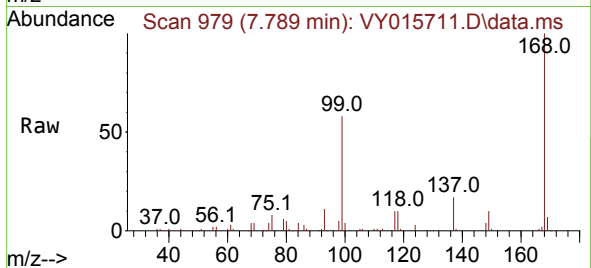
Tgt Ion: 43	Resp: 1120		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	20.5	30.7#	



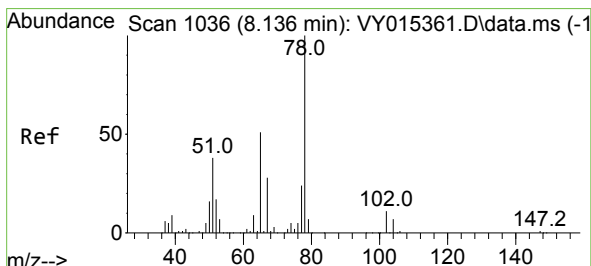
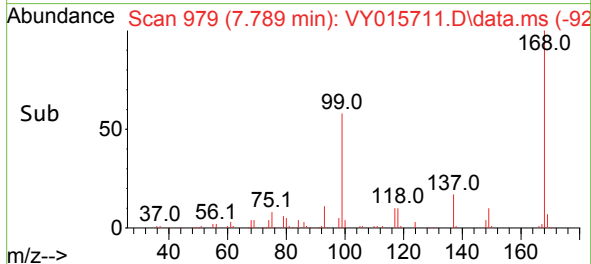
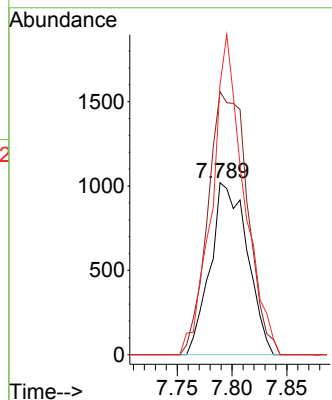


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :

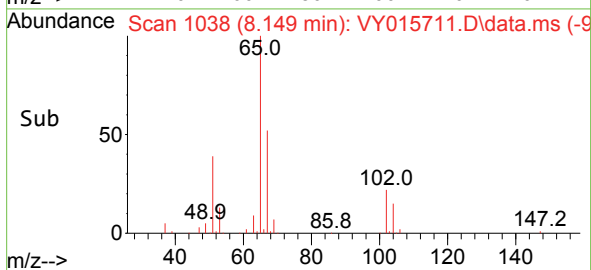
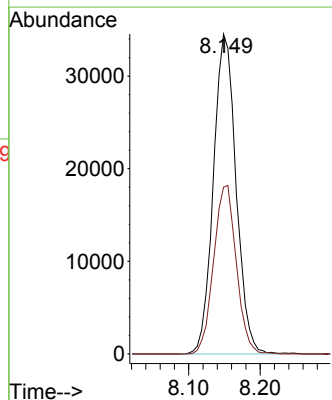
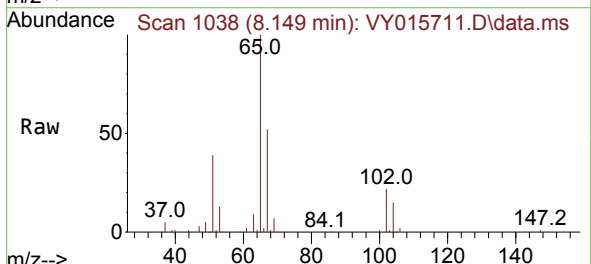


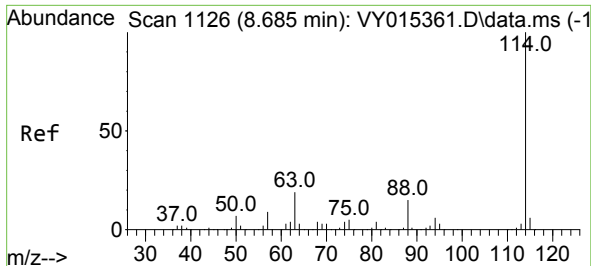
Tgt Ion: 56 Resp: 2388
Ion Ratio Lower Upper
56 100
69 152.7 27.8 41.6#
84 157.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.646 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

Tgt Ion: 65 Resp: 76084
Ion Ratio Lower Upper
65 100
67 52.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

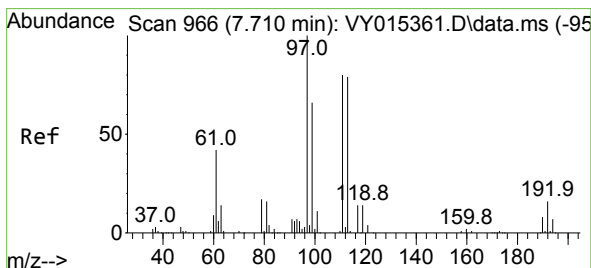
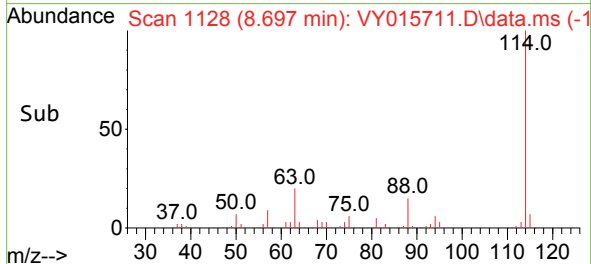
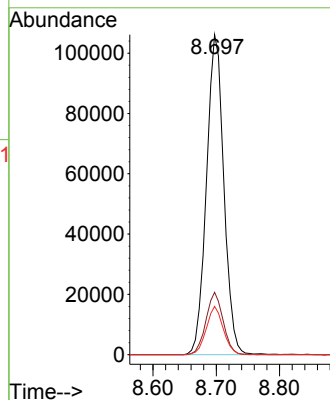
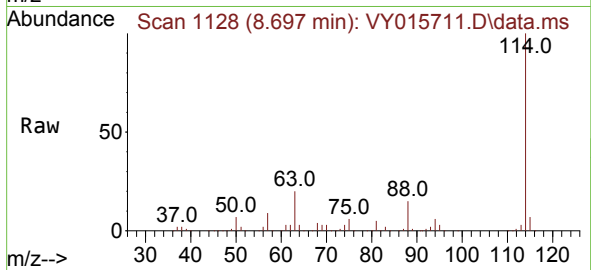
Tgt Ion:114 Resp: 203011

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.558 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

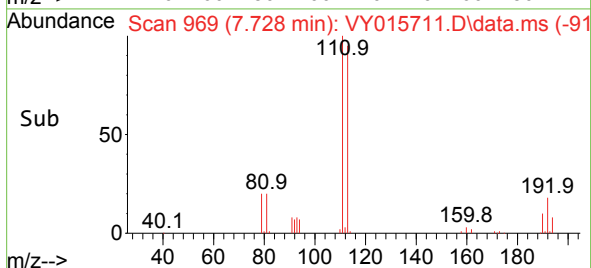
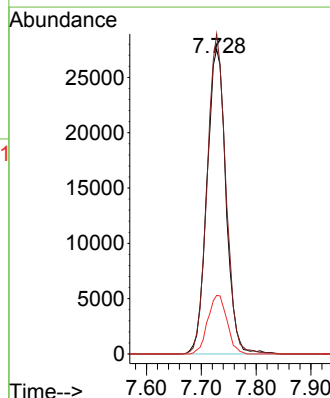
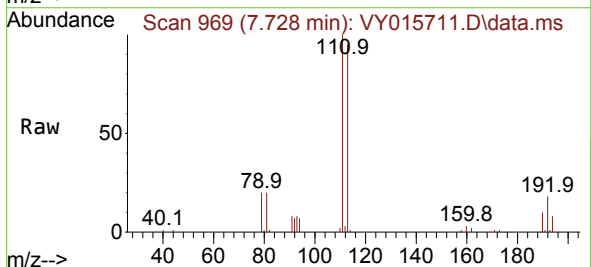
Tgt Ion:113 Resp: 66293

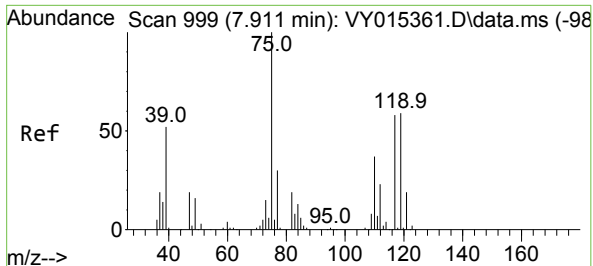
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

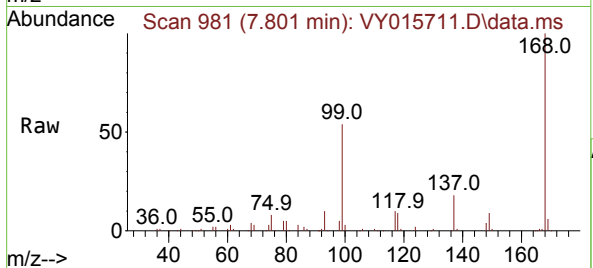
192 19.4 16.9 25.3



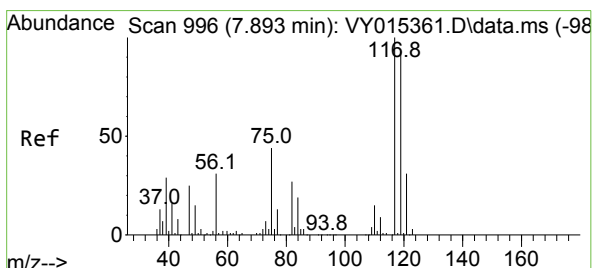
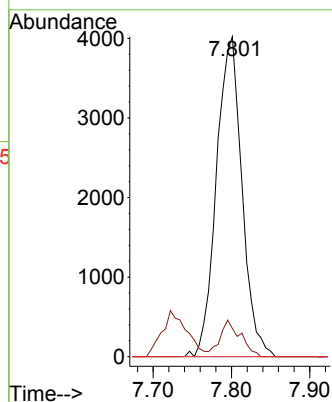
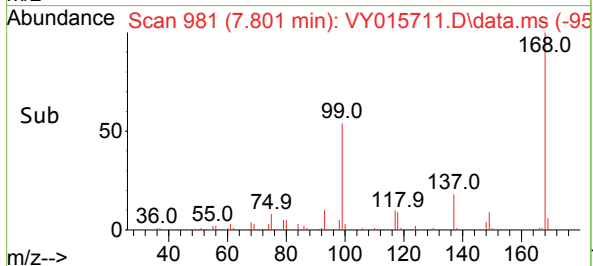


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

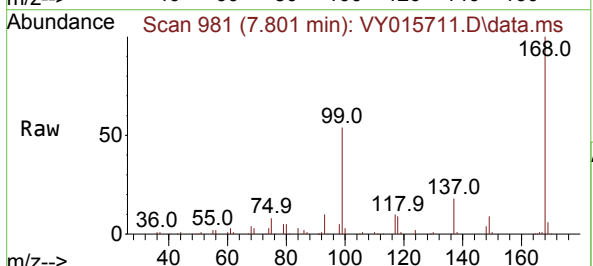
Instrument :
MSVOA_Y
ClientSampleId :



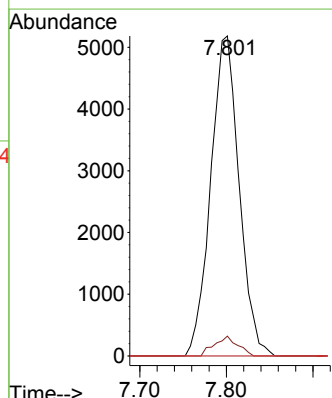
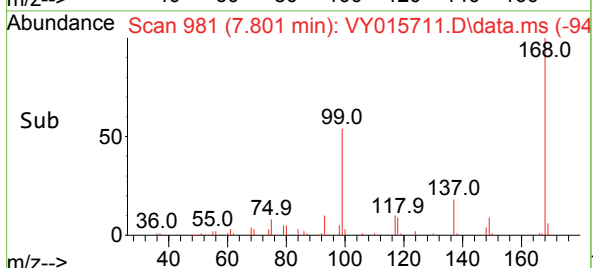
Tgt Ion: 75 Resp: 9108
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#

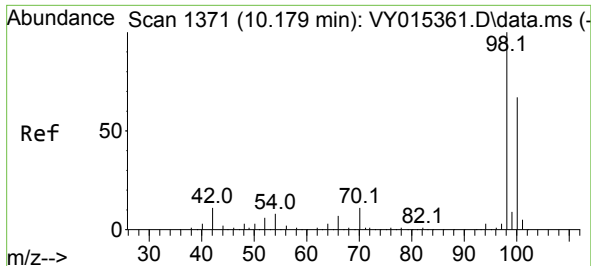


#38
Carbon Tetrachloride
Concen: 6.057 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.092 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02



Tgt Ion: 117 Resp: 11812
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#

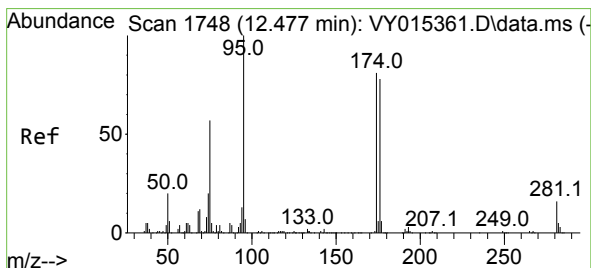
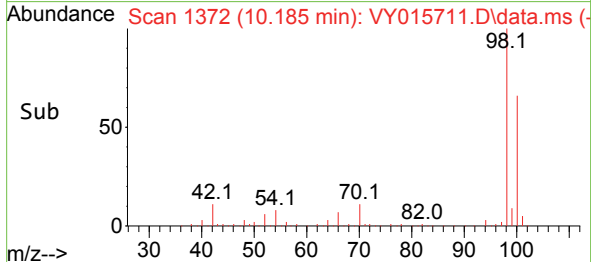
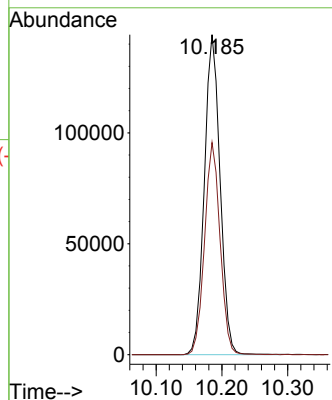
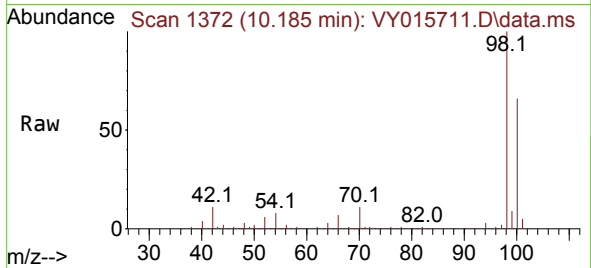




#50
Toluene-d8
Concen: 58.241 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

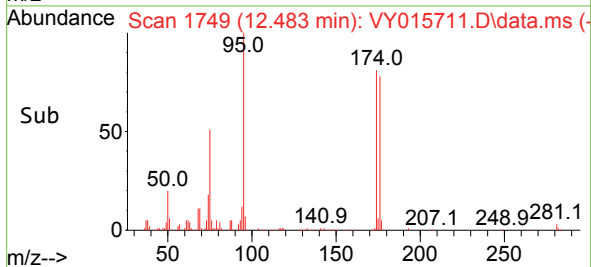
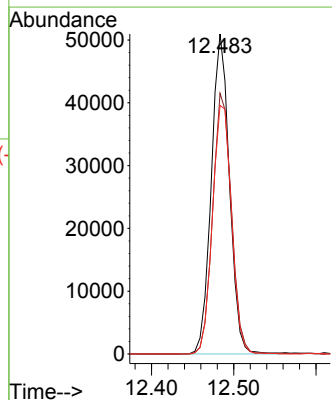
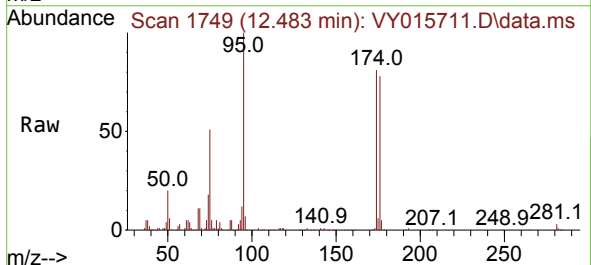
Instrument :
MSVOA_Y
ClientSampleId :

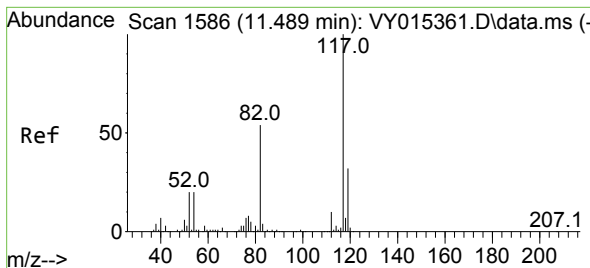
Tgt Ion: 98 Resp: 239949
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.316 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015711.D
Acq: 26 Sep 2023 16:02

Tgt Ion: 95 Resp: 78118
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

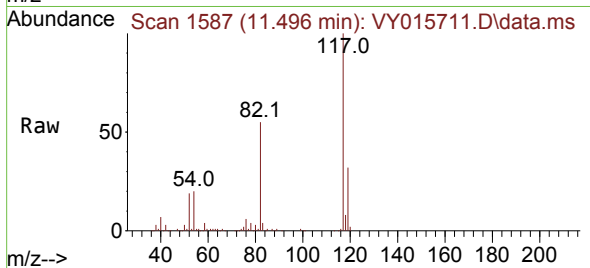
Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :



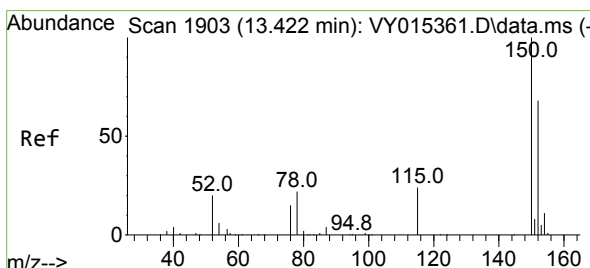
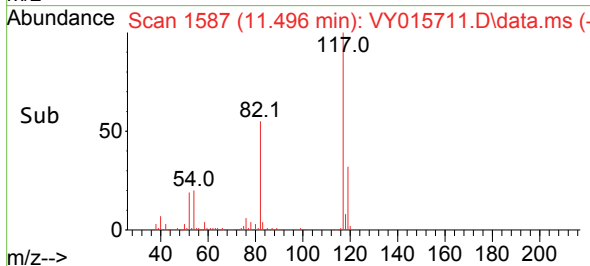
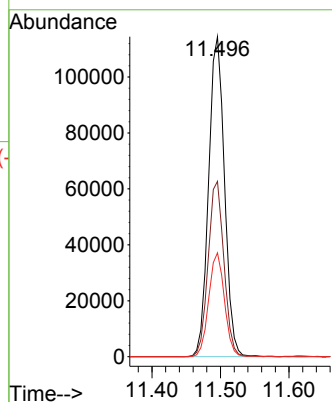
Tgt Ion:117 Resp: 184592

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 32.4 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

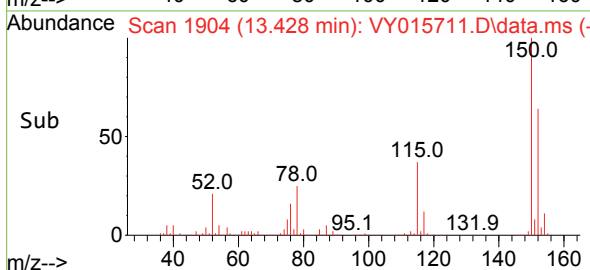
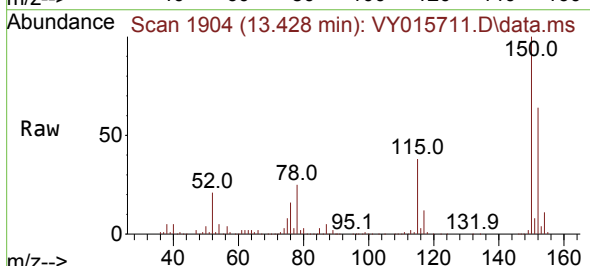
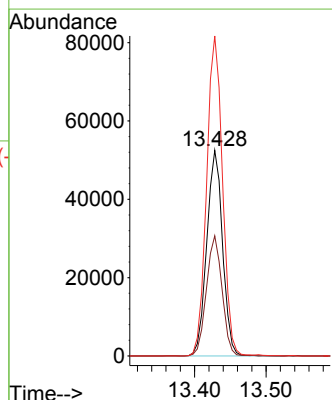
Tgt Ion:152 Resp: 80624

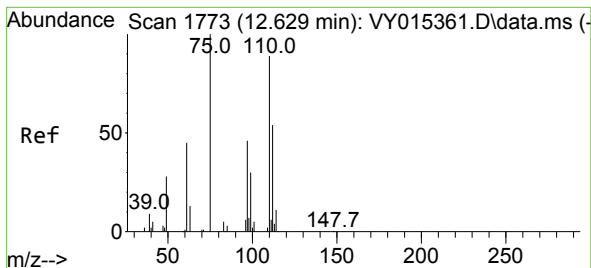
Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.7 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 31.841 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

Instrument :

MSVOA_Y

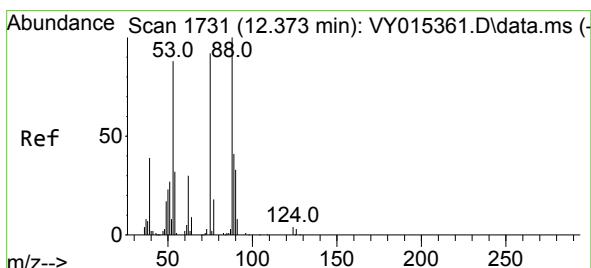
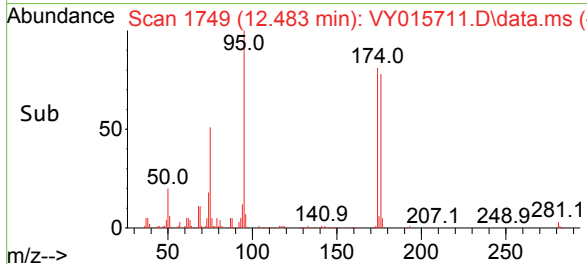
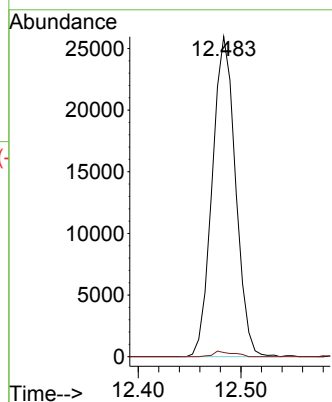
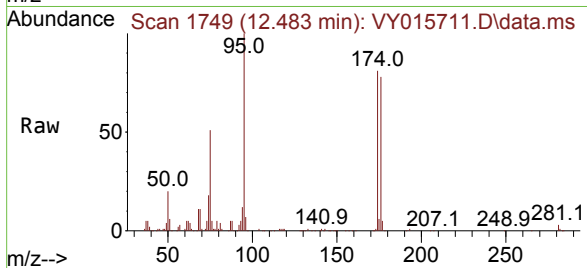
ClientSampleId :

Tgt Ion: 75 Resp: 40955

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.704 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY015711.D

Acq: 26 Sep 2023 16:02

Tgt Ion: 75 Resp: 40955

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

