

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015619.D
 Acq On : 18 Sep 2023 16:59
 Operator : SY/MD
 Sample : 04419-13
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:04:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239978	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	90326	60.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.160%
35) Dibromofluoromethane	7.716	113	75921	54.927	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.179	98	280562	56.050	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.100%
62) 4-Bromofluorobenzene	12.477	95	94357	50.778	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.560%

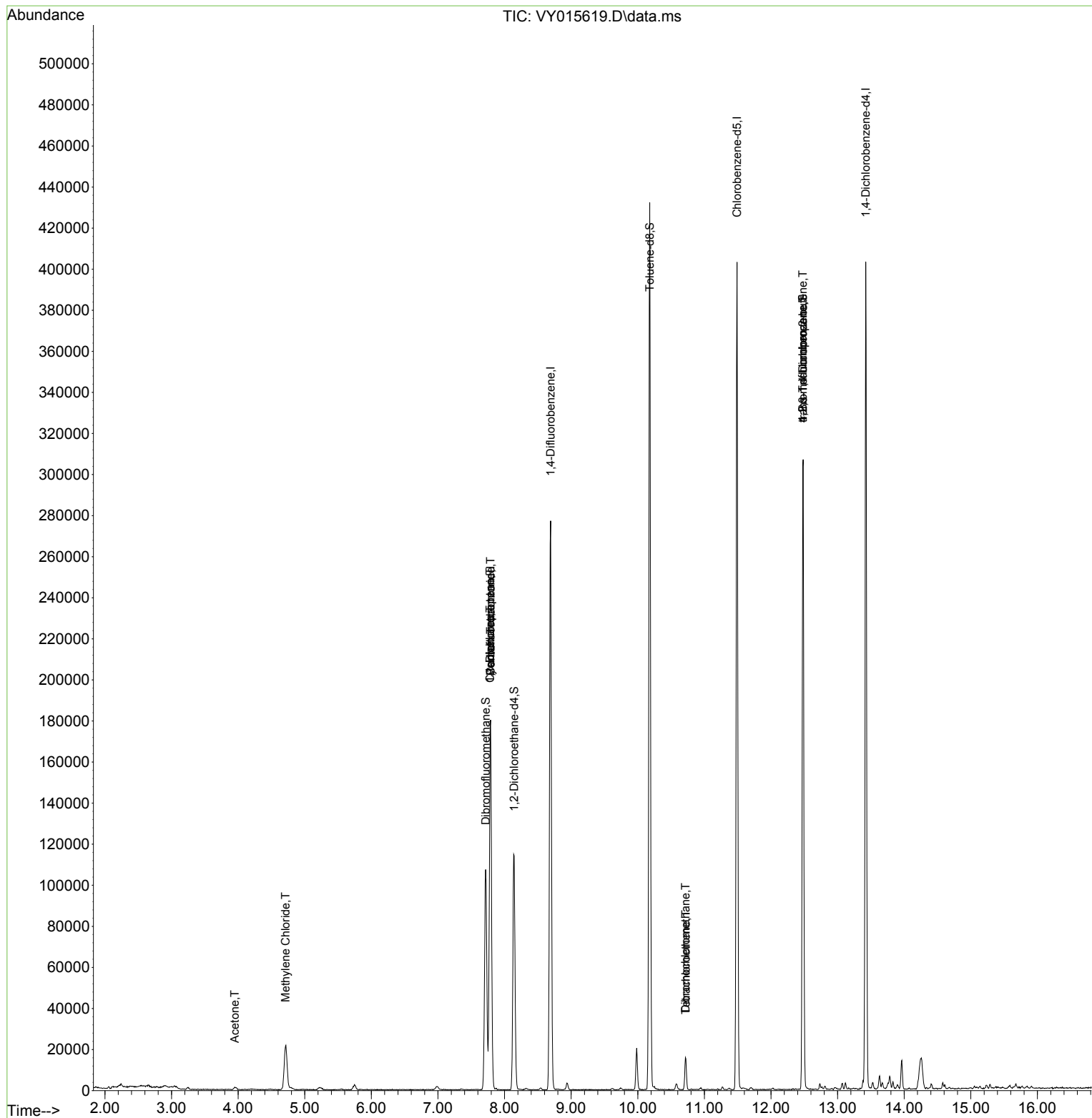
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	226	Below Cal	#	89
16) Acetone	3.948	43	2305	3.673	ug/l #	81
20) Methylene Chloride	4.710	84	16485	2.362	ug/l	89
31) Cyclohexane	7.783	56	3065	1.148	ug/l #	31
36) 1,1-Dichloropropene	7.783	75	11126	4.584	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13917	5.552	ug/l #	15
60) Dibromochloromethane	10.715	129	2447	1.368	ug/l #	11
64) Tetrachloroethene	10.721	164	2908	1.465	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	49862	37.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49862	82.370	ug/l #	10

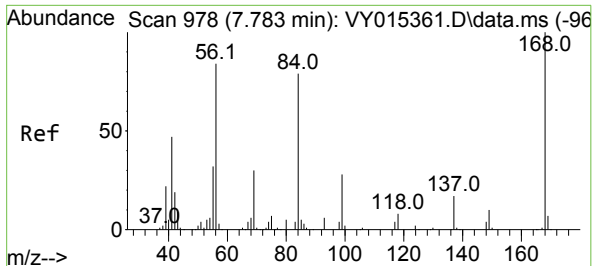
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
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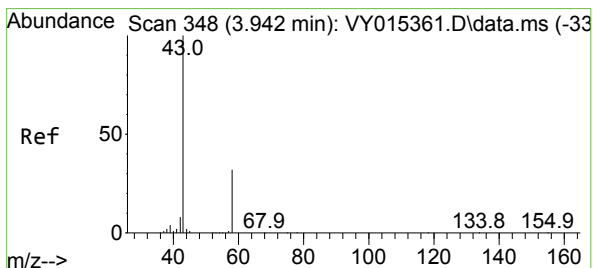
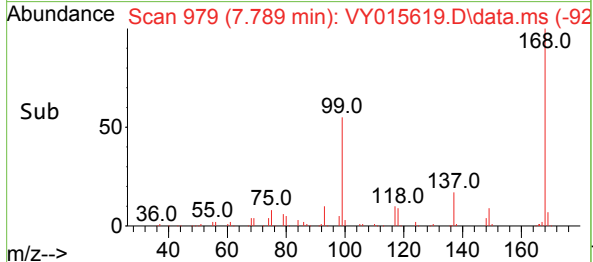
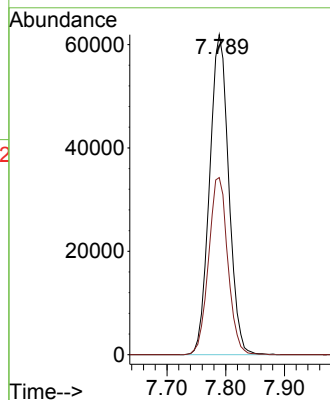
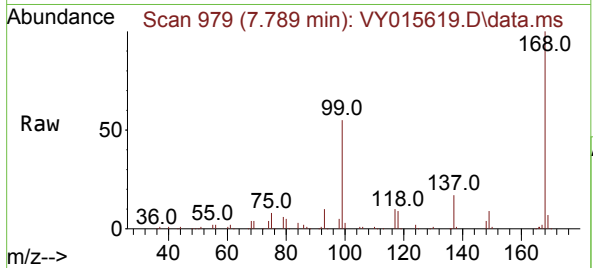




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

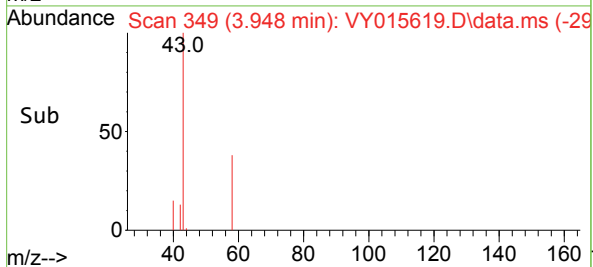
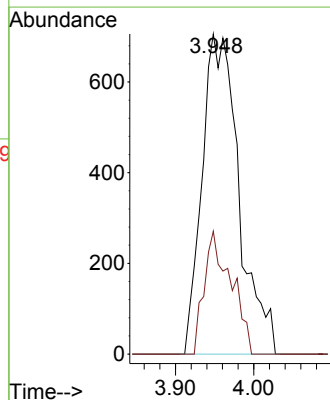
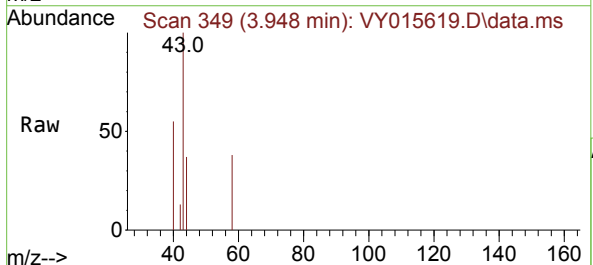
Instrument :
MSVOA_Y
ClientSampleId :

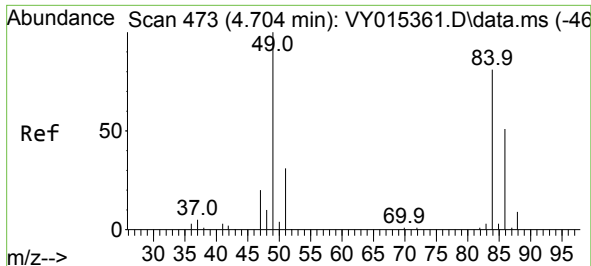
Tgt Ion:168 Resp: 140241
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#16
Acetone
Concen: 3.673 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 38.4 22.7 34.1#



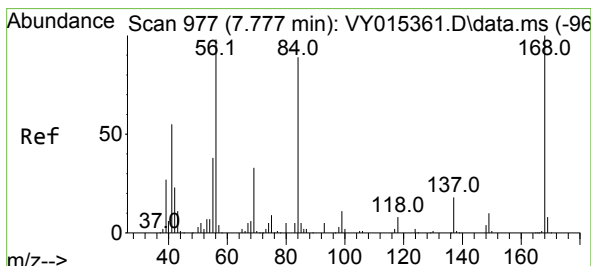
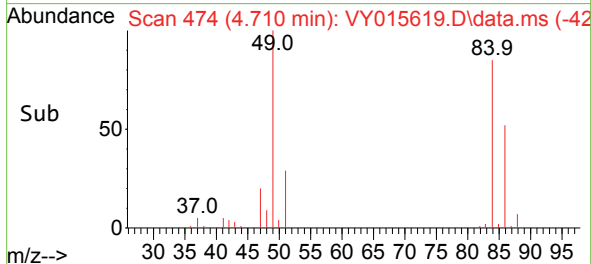
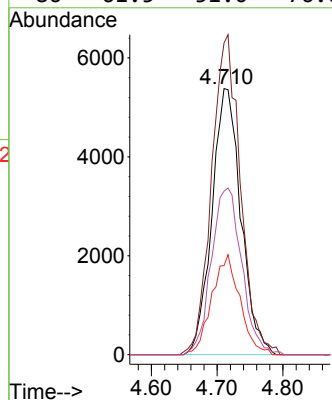
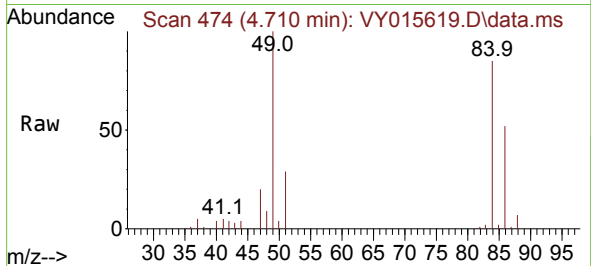


#20
Methylene Chloride
Concen: 2.362 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 84 Resp: 16485

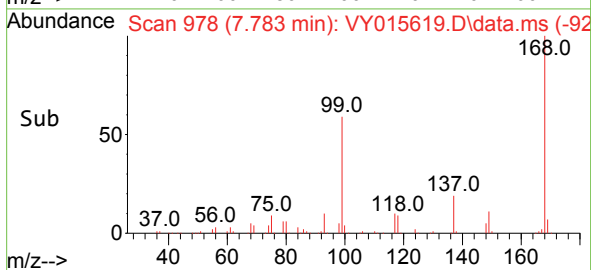
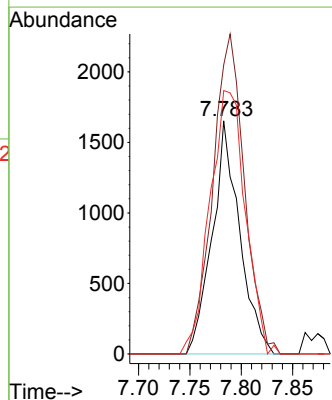
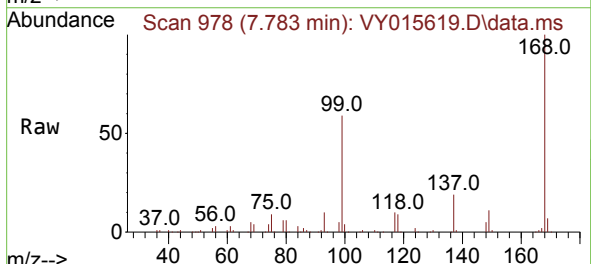
Ion	Ratio	Lower	Upper
84	100		
49	117.2	106.9	160.3
51	33.5	33.2	49.8
86	61.5	51.0	76.6

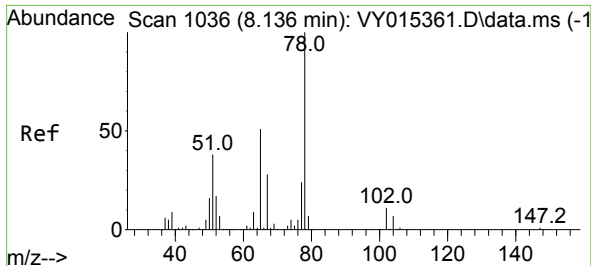


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Tgt Ion: 56 Resp: 3065

Ion	Ratio	Lower	Upper
56	100		
69	124.0	27.8	41.6#
84	113.0	66.4	99.6#

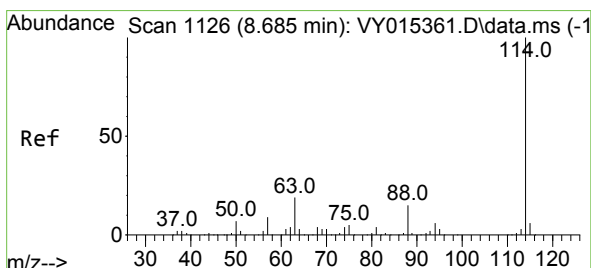
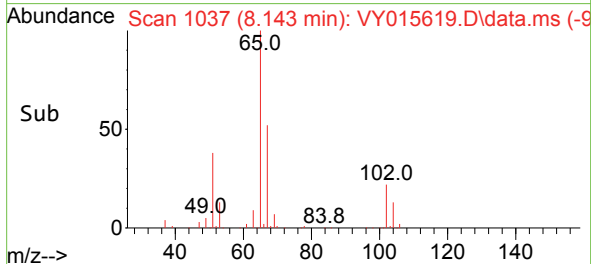
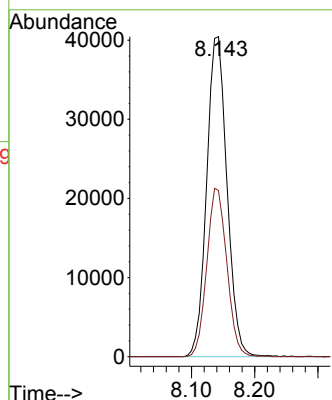
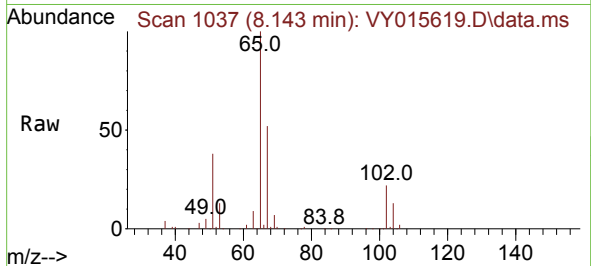




#33
1,2-Dichloroethane-d4
Concen: 60.083 ug/l
RT: 8.143 min Scan# 110
Delta R.T. 0.006 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

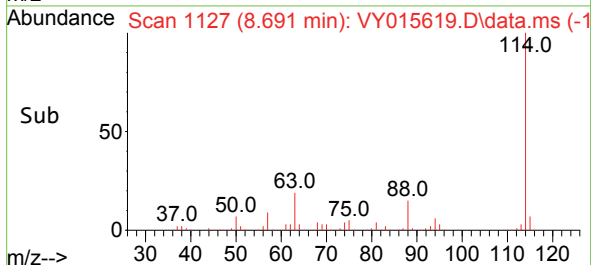
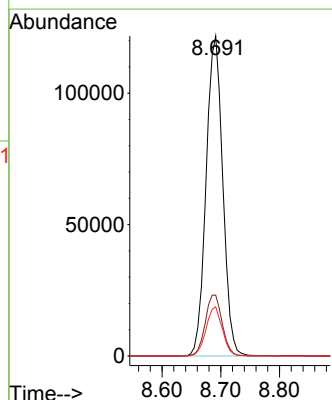
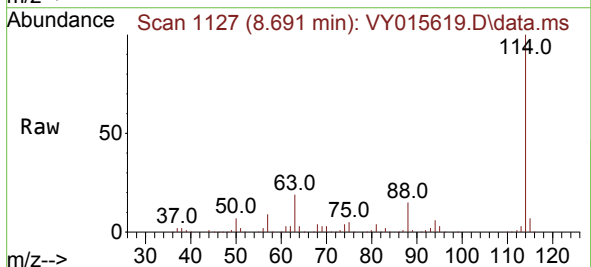
Instrument :
MSVOA_Y
ClientSampleId :

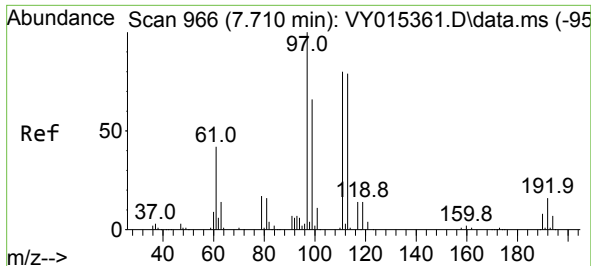
Tgt Ion: 65 Resp: 90326
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Tgt Ion:114 Resp: 239978
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.4
88 15.3 0.0 30.6

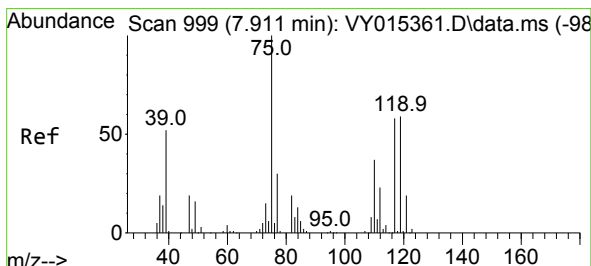
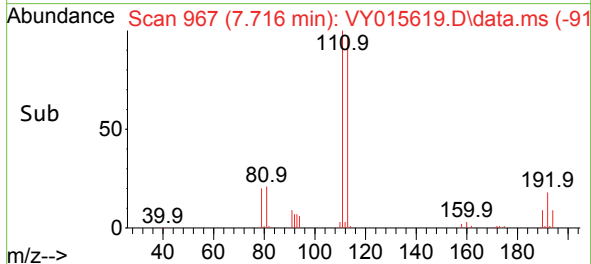
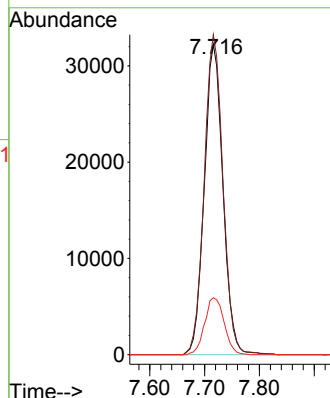
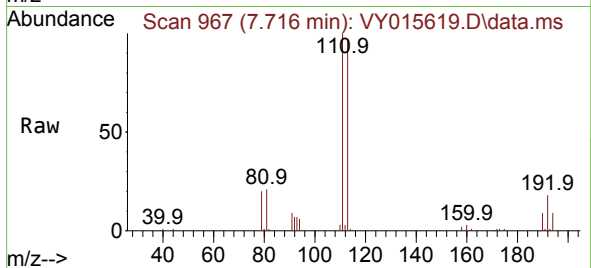




#35
Dibromofluoromethane
Concen: 54.927 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

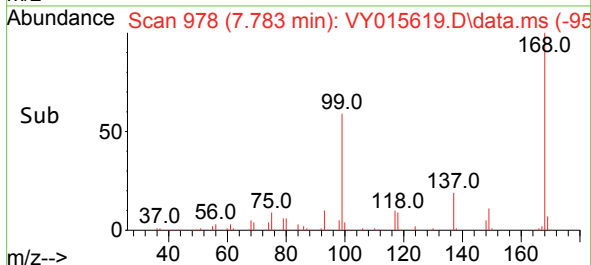
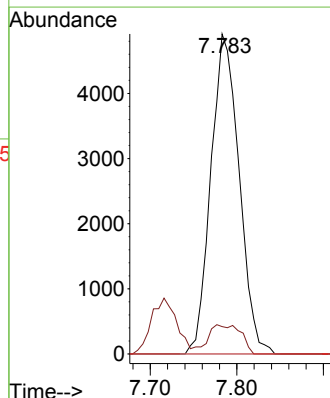
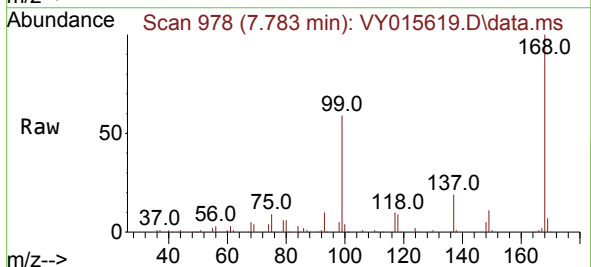
Instrument :
MSVOA_Y
ClientSampleId :

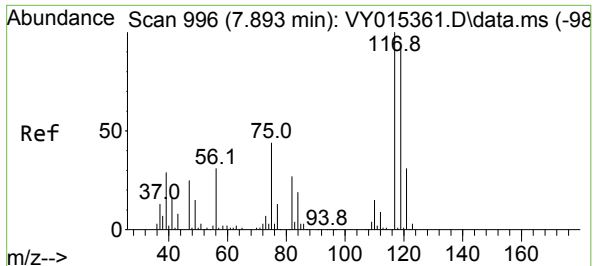
Tgt Ion:113 Resp: 75921
Ion Ratio Lower Upper
113 100
111 103.8 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

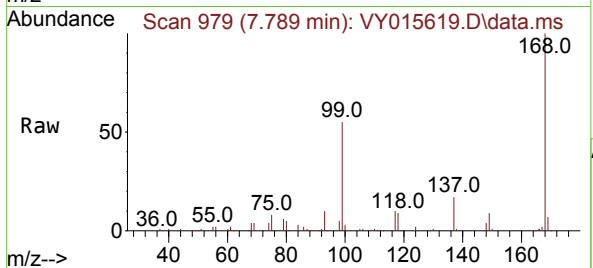
Tgt Ion: 75 Resp: 11126
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



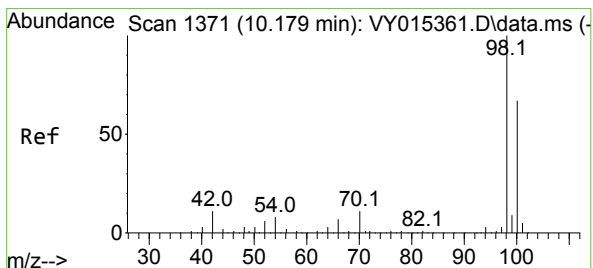
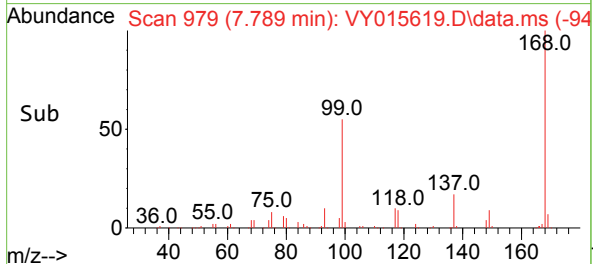
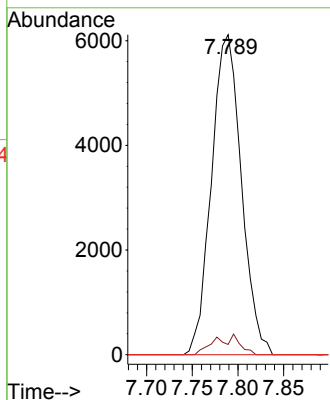


#38
Carbon Tetrachloride
Concen: 5.552 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Instrument :
MSVOA_Y
ClientSampleId :

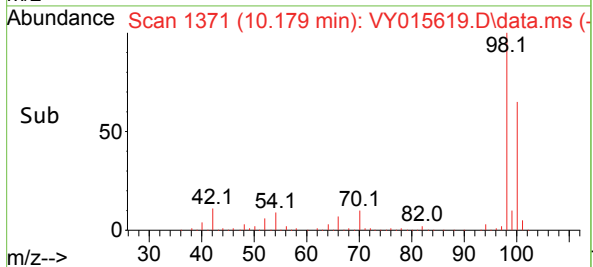
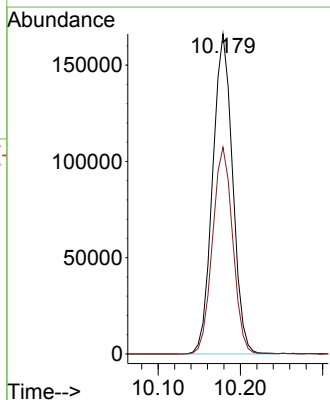
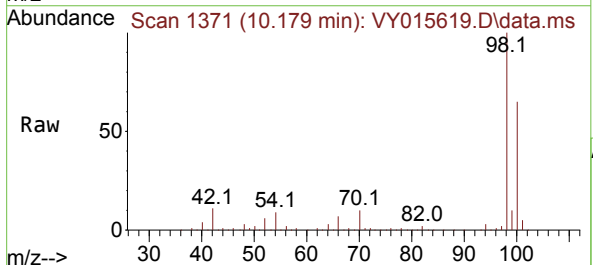


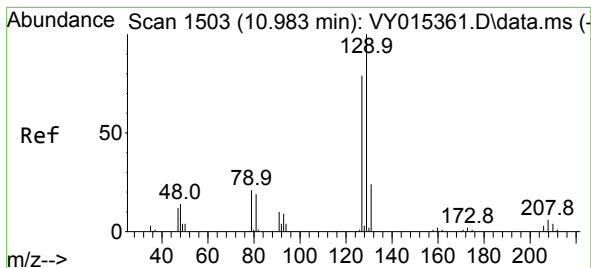
Tgt Ion:117 Resp: 13917
Ion Ratio Lower Upper
117 100
119 3.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.050 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Tgt Ion: 98 Resp: 280562
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

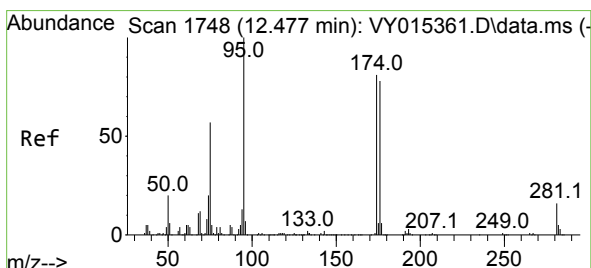
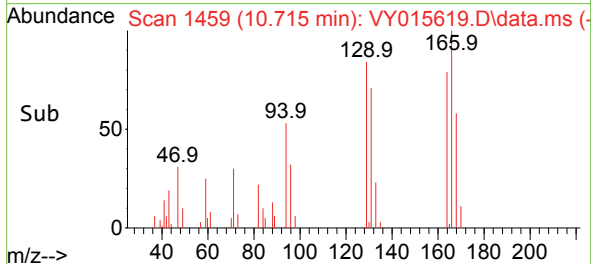
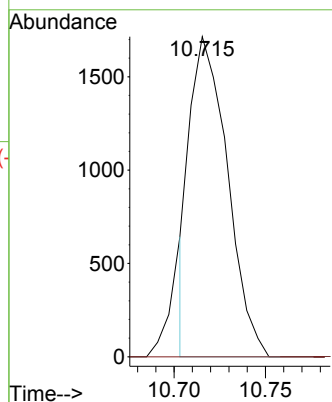
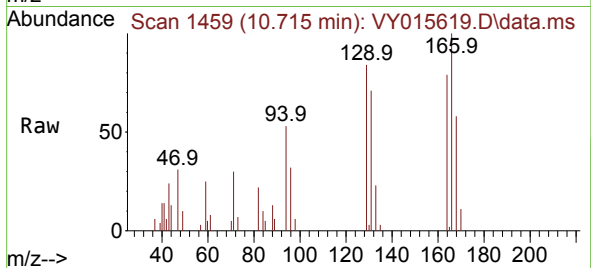




#60
Dibromochloromethane
Concen: 1.368 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.268 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

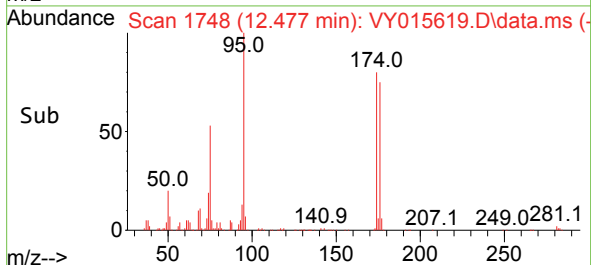
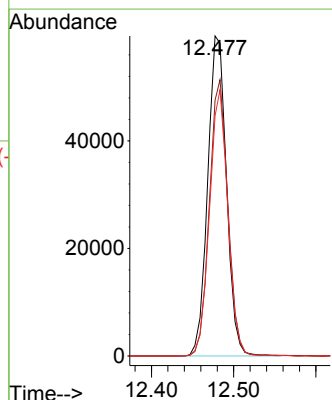
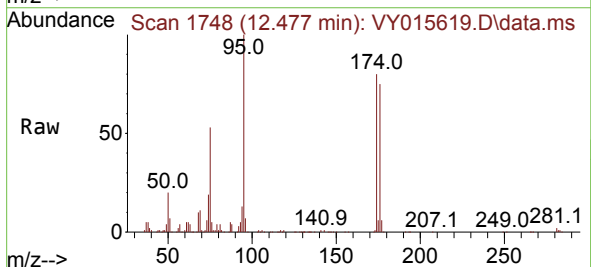
Instrument :
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ClientSampleId :

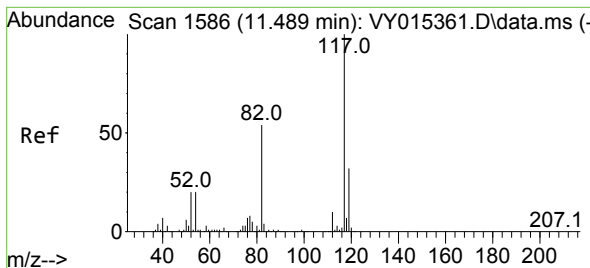
Tgt Ion:129 Resp: 2447
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 50.778 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015619.D
Acq: 18 Sep 2023 16:59

Tgt Ion: 95 Resp: 94357
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

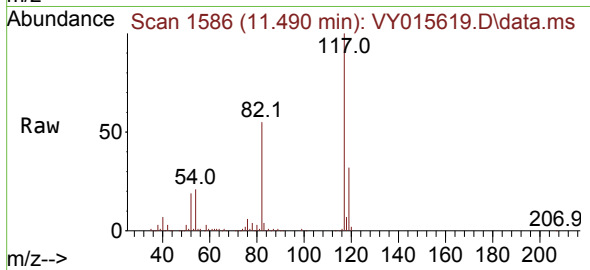
Lab File: VY015619.D

Acq: 18 Sep 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :



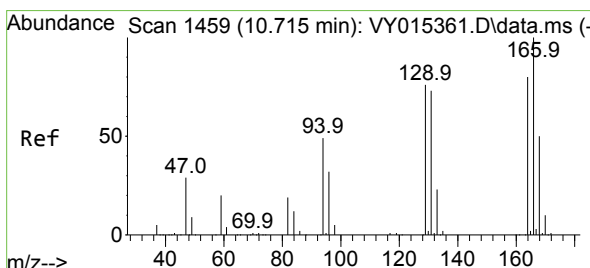
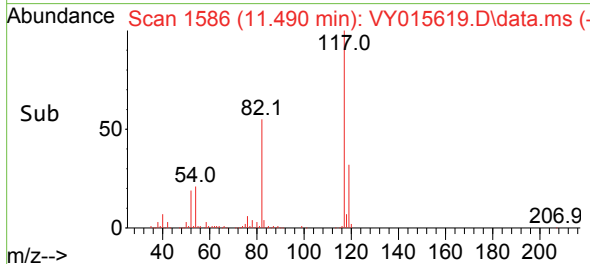
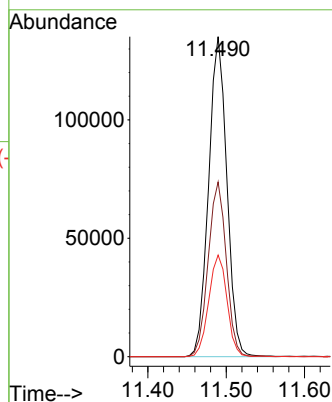
Tgt Ion:117 Resp: 218684

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

119 31.8 26.3 39.5



#64

Tetrachloroethene

Concen: 1.465 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY015619.D

Acq: 18 Sep 2023 16:59

Tgt Ion:164 Resp: 2908

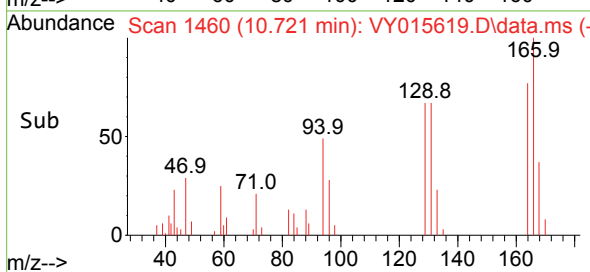
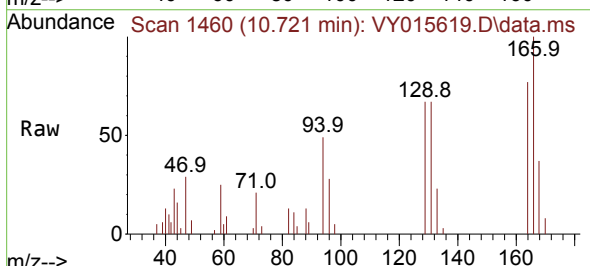
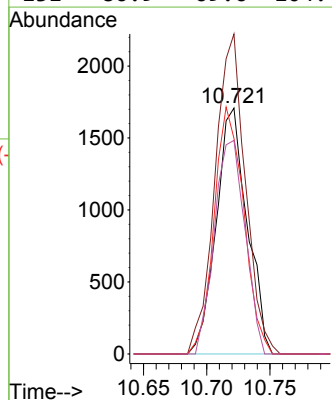
Ion Ratio Lower Upper

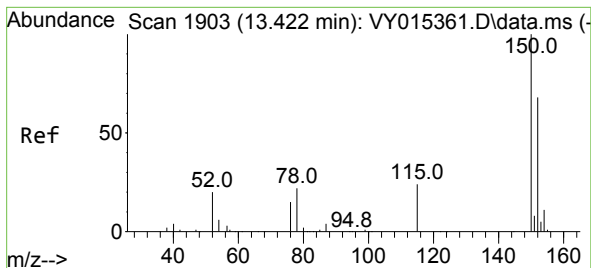
164 100

166 130.2 103.0 154.6

129 87.7 77.2 115.8

131 86.9 69.6 104.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015619.D

Acq: 18 Sep 2023 16:59

Instrument :

MSVOA_Y

ClientSampleId :

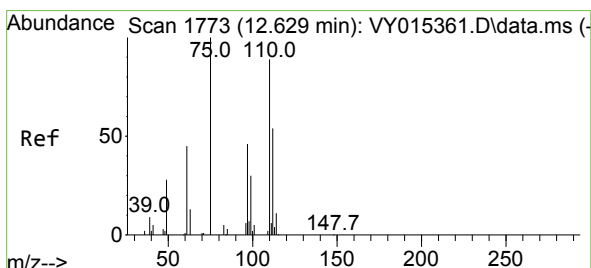
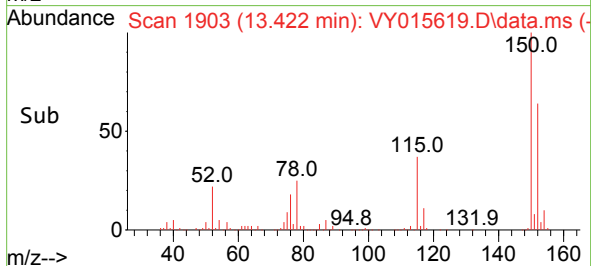
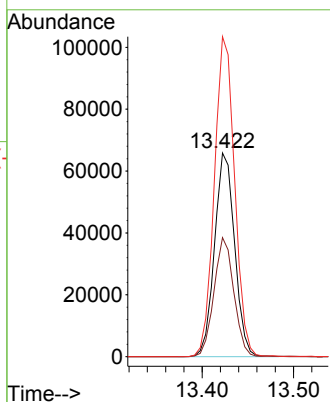
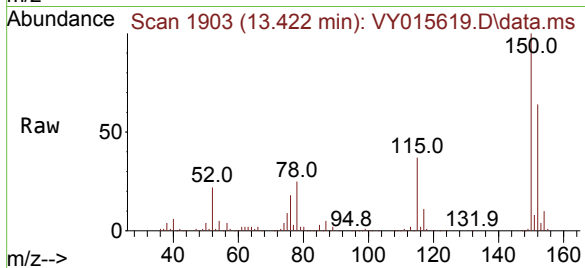
Tgt Ion:152 Resp: 100695

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 158.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.341 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015619.D

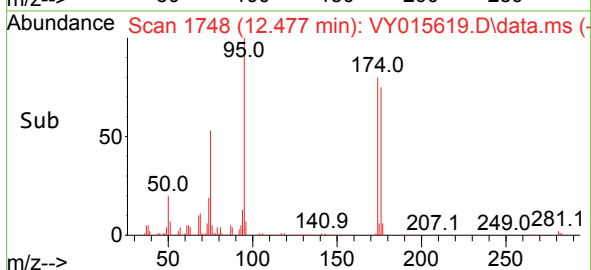
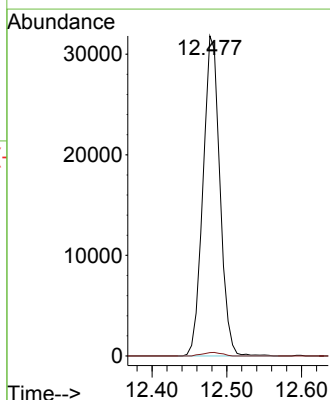
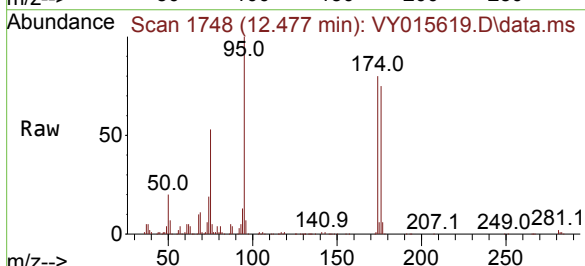
Acq: 18 Sep 2023 16:59

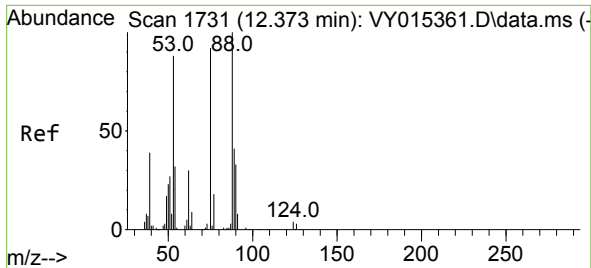
Tgt Ion: 75 Resp: 49862

Ion Ratio Lower Upper

75 100

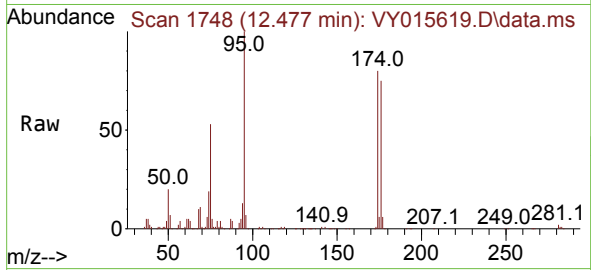
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.370 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY015619.D
 Acq: 18 Sep 2023 16:59

Instrument :
 MSVOA_Y
 ClientSampleId :



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

