

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015223.D
 Acq On : 21 Aug 2023 17:20
 Operator : SY/MD
 Sample : 04086-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:56:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

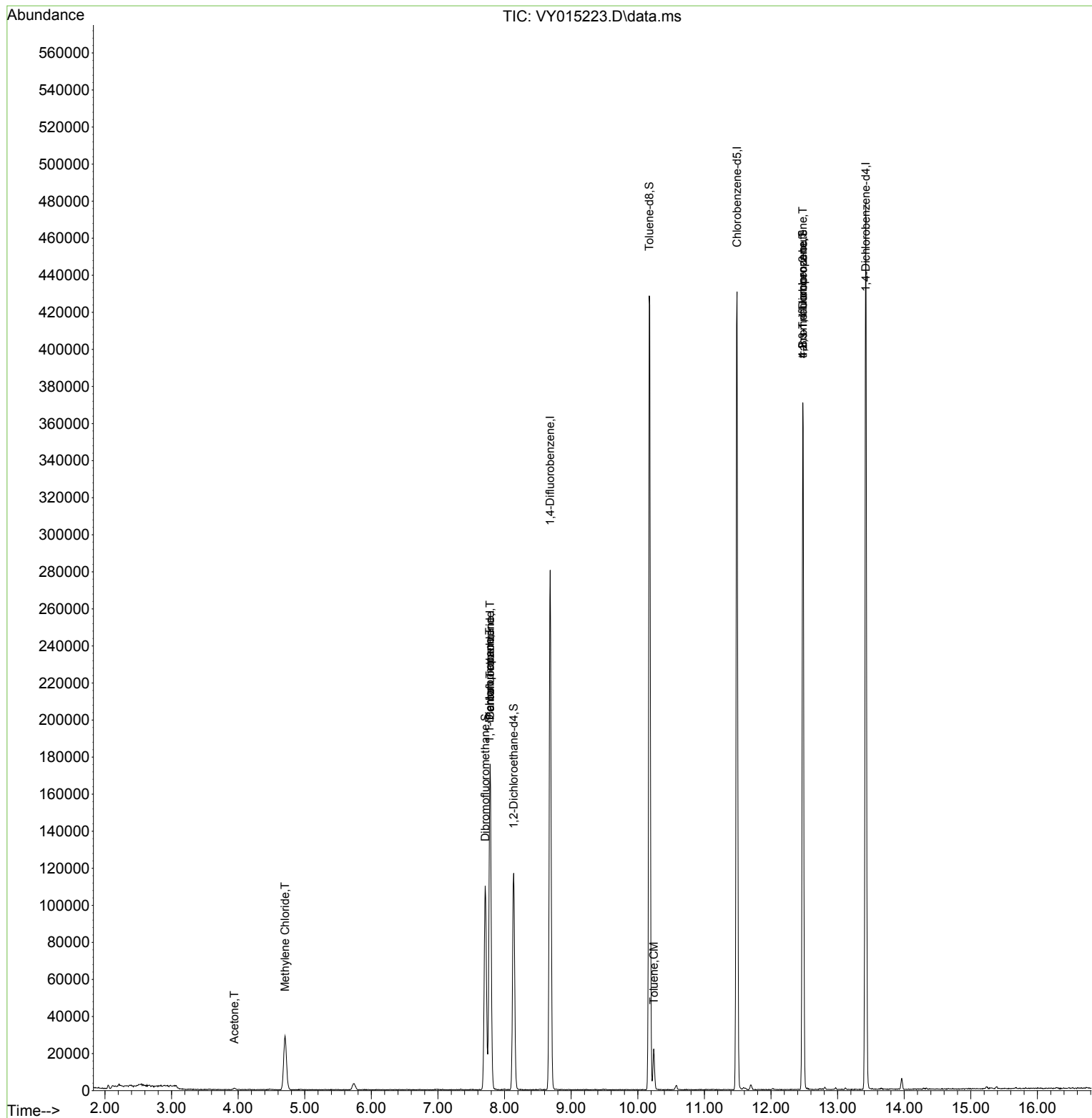
Internal Standards						
1) Pentafluorobenzene	7.783	168	137574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	93096	56.372	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.740%	
35) Dibromofluoromethane	7.710	113	78127	49.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.780%	
50) Toluene-d8	10.173	98	285368	48.957	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.920%	
62) 4-Bromofluorobenzene	12.477	95	113305	53.220	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.440%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	396	Below Cal	#	81
5) Bromomethane	2.644	94	62	Below Cal	#	2
11) Tert butyl alcohol	4.942	59	267	Below Cal	#	89
16) Acetone	3.942	43	1349	2.500	ug/l #	84
20) Methylene Chloride	4.704	84	21834	13.747	ug/l	91
31) Cyclohexane	7.789	56	2982	Below Cal	#	17
36) 1,1-Dichloropropene	7.777	75	9967	5.754	ug/l #	51
38) Carbon Tetrachloride	7.783	117	13834	6.748	ug/l #	16
52) Toluene	10.240	92	8767	2.540	ug/l	94
76) 1,2,3-Trichloropropane	12.477	75	61458	41.109	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61458	90.296	ug/l #	10

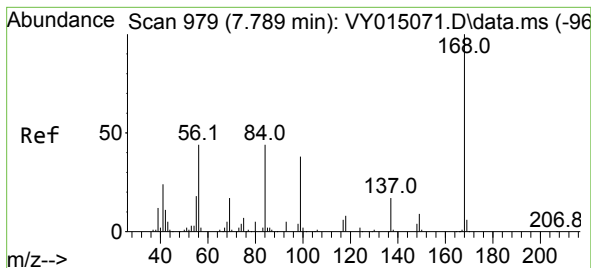
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_Y

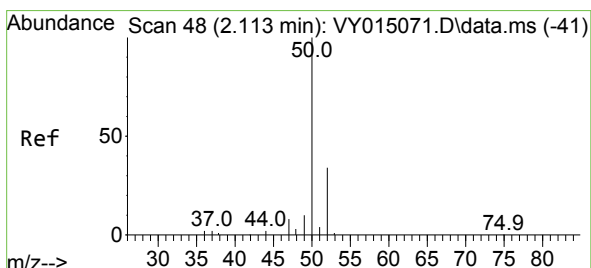
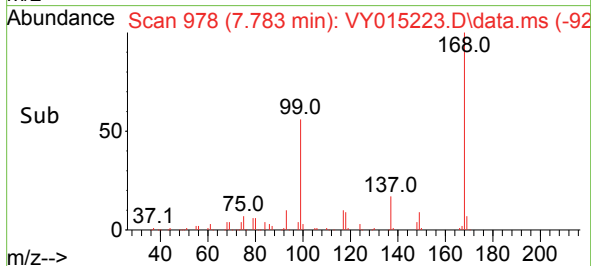
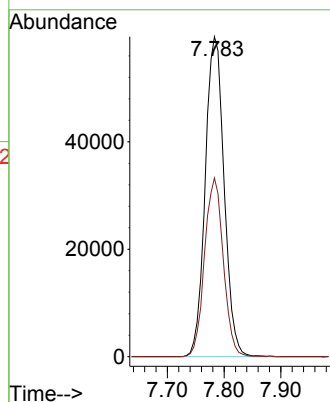
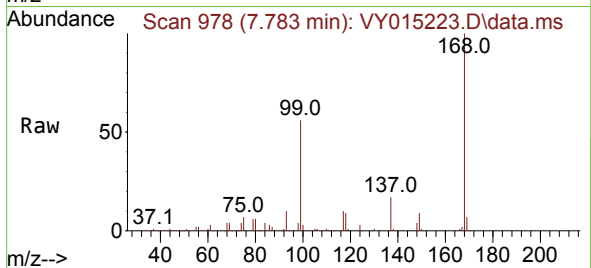
ClientSampleId :

Tgt Ion:168 Resp: 137574

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015223.D

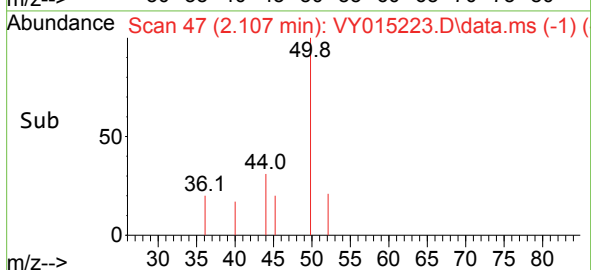
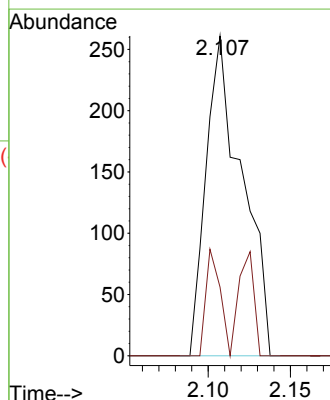
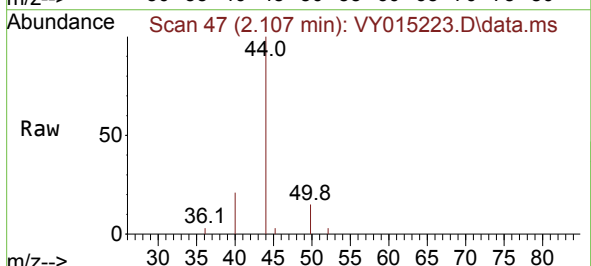
Acq: 21 Aug 2023 17:20

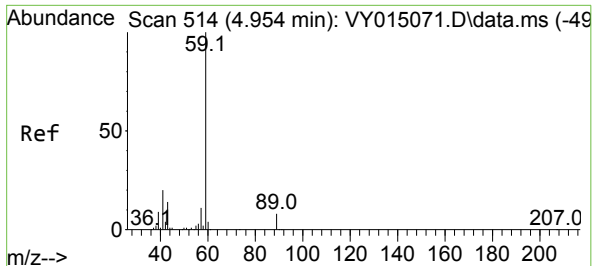
Tgt Ion: 50 Resp: 396

Ion Ratio Lower Upper

50 100

52 21.5 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.006 min

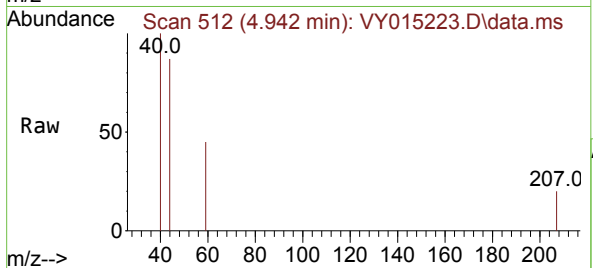
Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

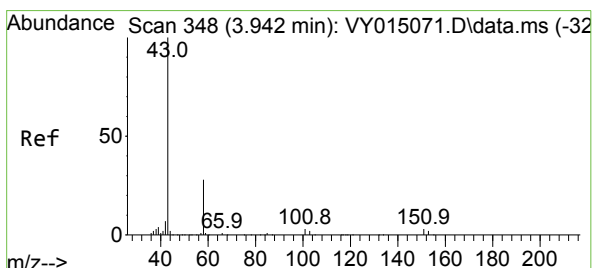
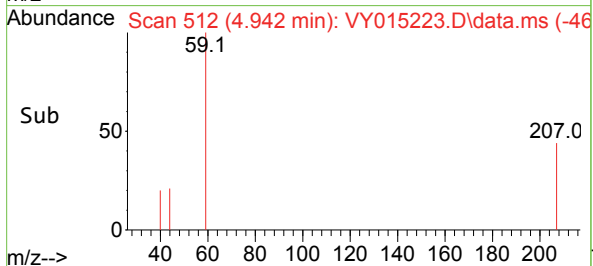
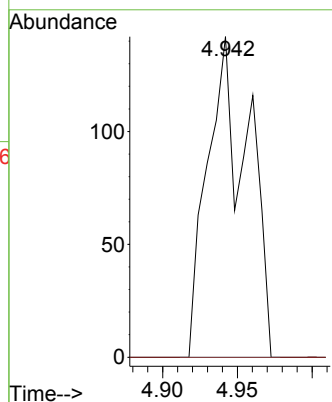


Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 2.500 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015223.D

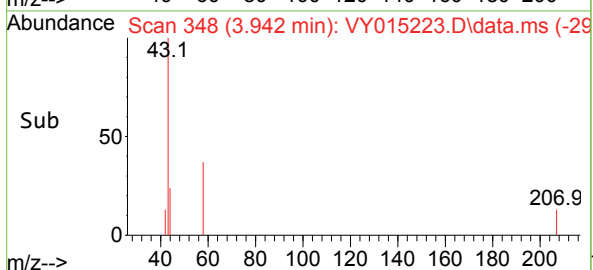
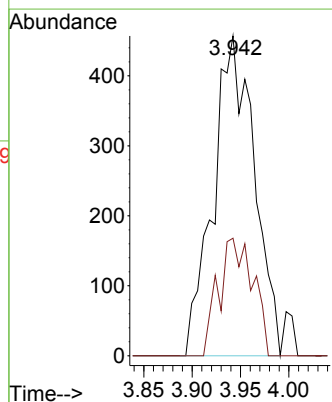
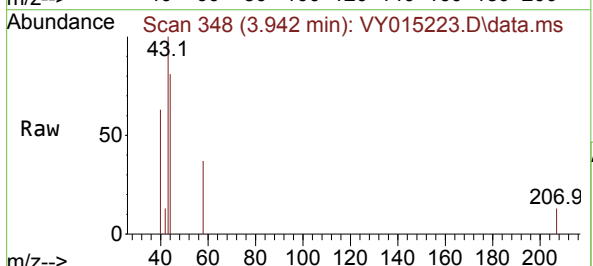
Acq: 21 Aug 2023 17:20

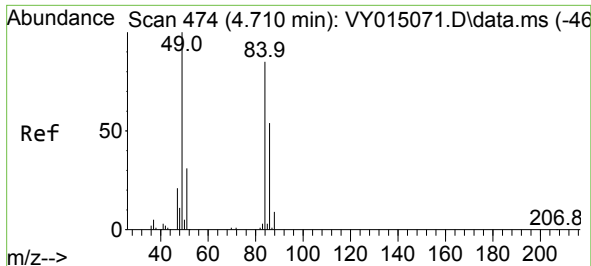
Tgt Ion: 43 Resp: 1349

Ion Ratio Lower Upper

43 100

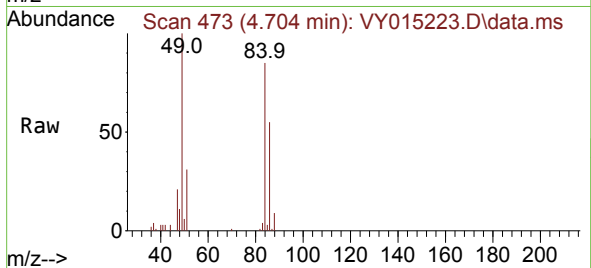
58 36.8 22.7 34.1#



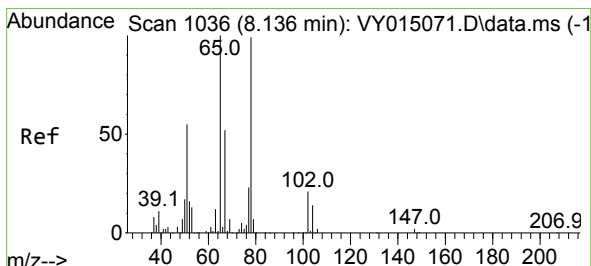
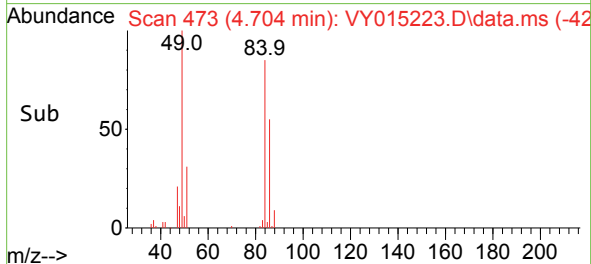
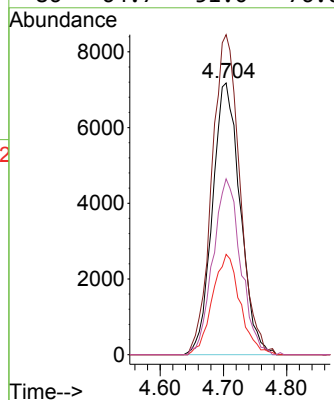


#20
Methylene Chloride
Concen: 13.747 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

Instrument :
MSVOA_Y
ClientSampleId :

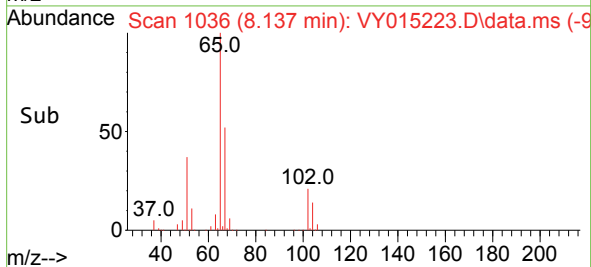
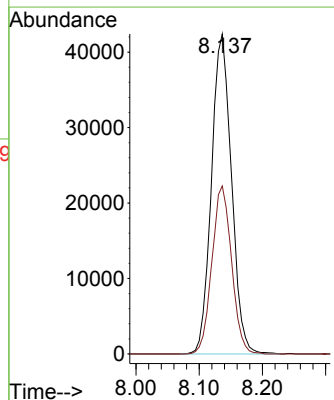
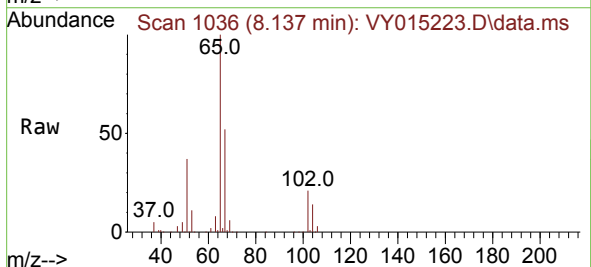


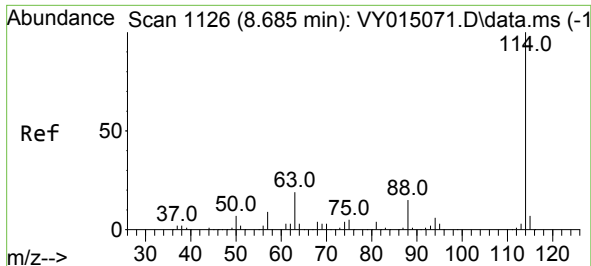
Tgt Ion:	84	Resp:	21834
Ion	Ratio	Lower	Upper
84	100		
49	117.8	106.9	160.3
51	36.9	33.2	49.8
86	64.7	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 56.372 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

Tgt Ion:	65	Resp:	93096
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	101.8

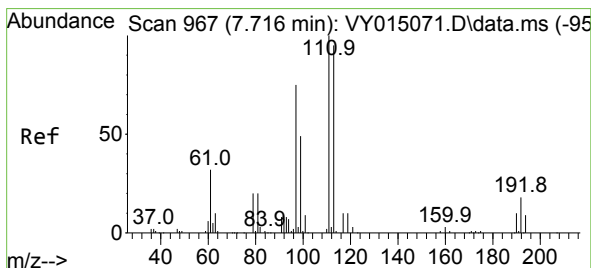
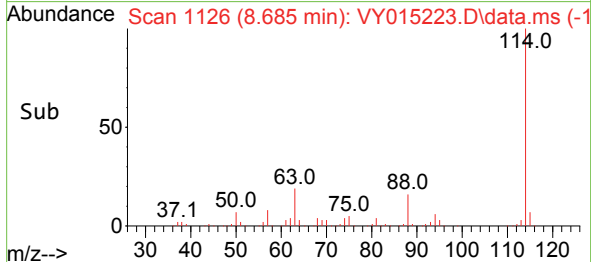
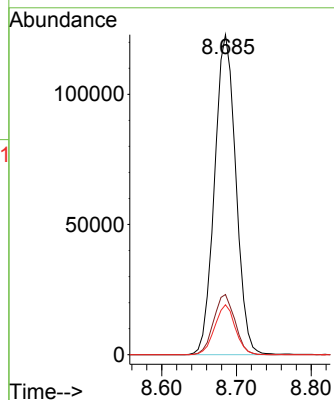
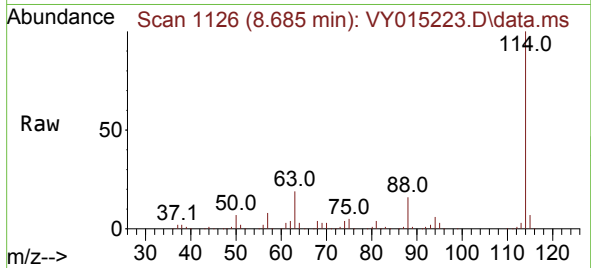




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

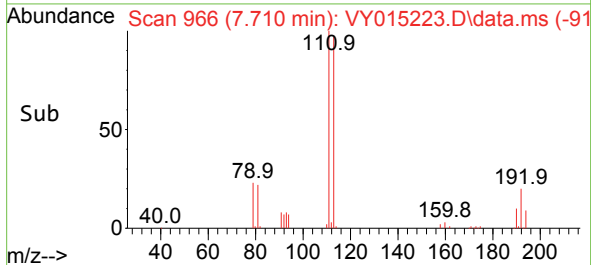
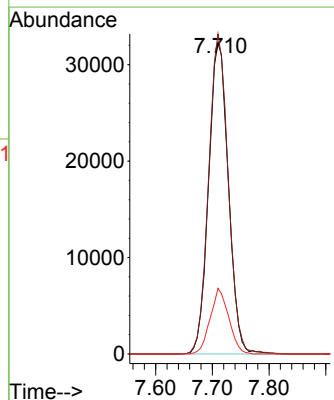
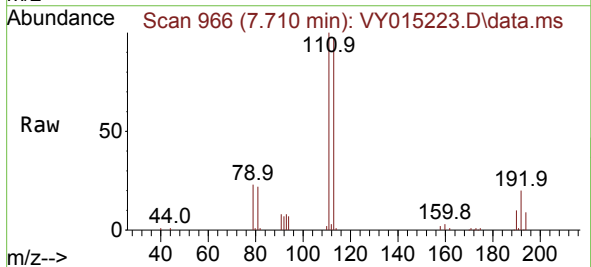
Instrument :
MSVOA_Y
ClientSampleId :

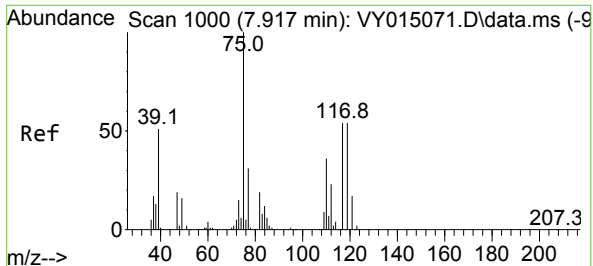
Tgt Ion:114 Resp: 243394
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.895 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

Tgt Ion:113 Resp: 78127
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.754 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

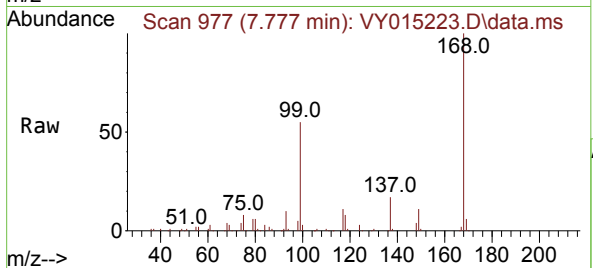
Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

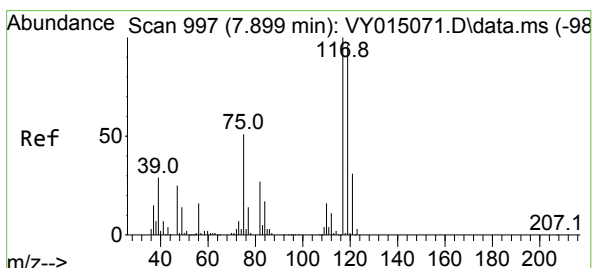
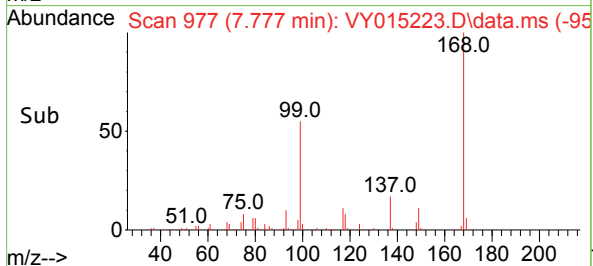
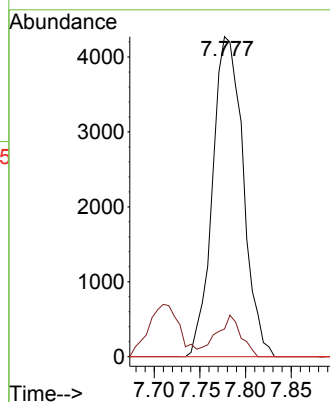
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	9967
Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.748 ug/l

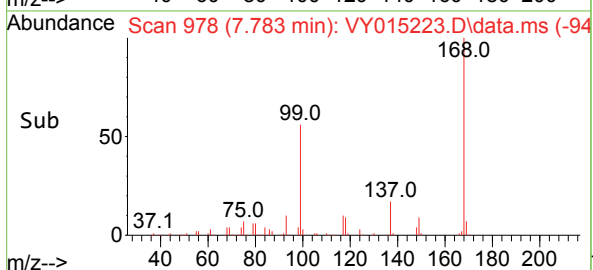
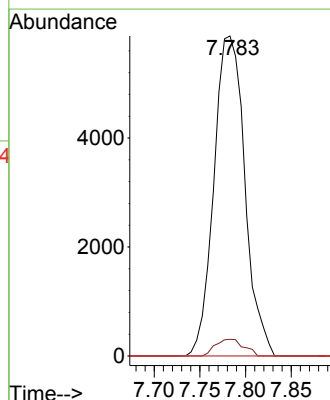
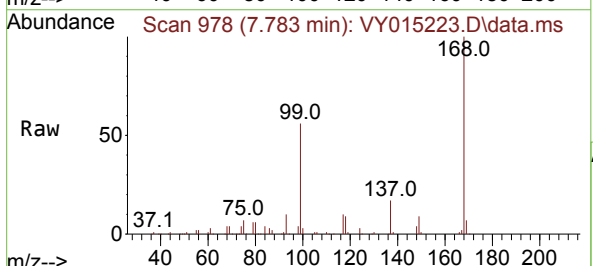
RT: 7.783 min Scan# 978

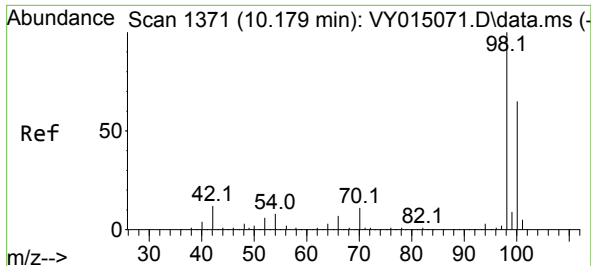
Delta R.T. -0.116 min

Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

Tgt Ion:	117	Resp:	13834
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.4	114.6#
121	0.0	25.8	38.6#

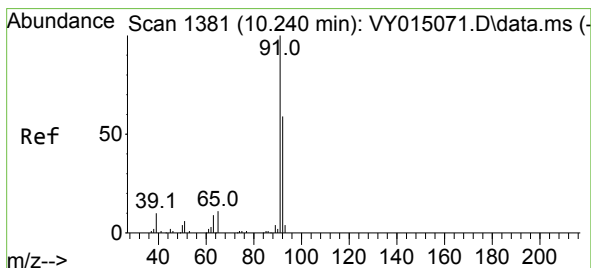
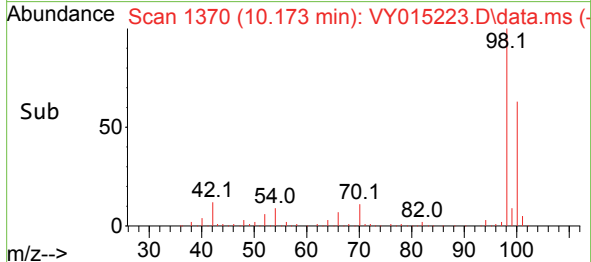
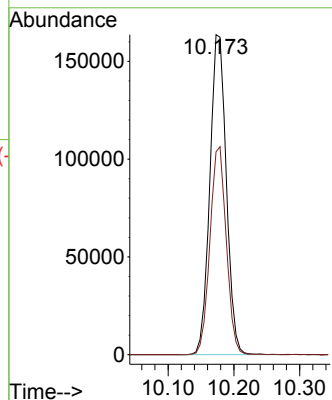
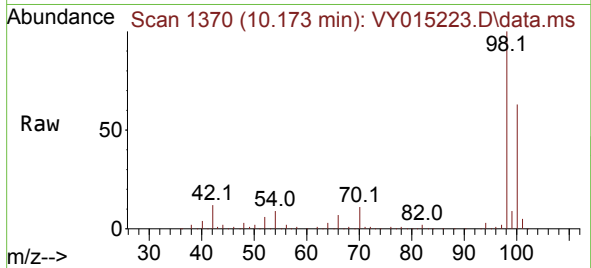




#50
Toluene-d8
Concen: 48.957 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

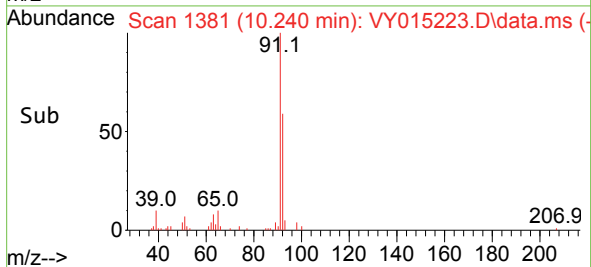
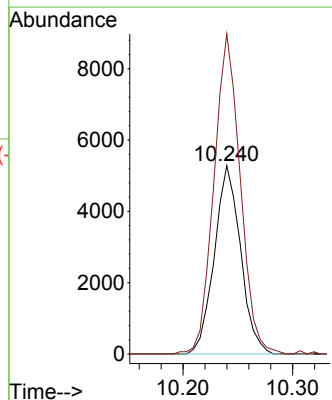
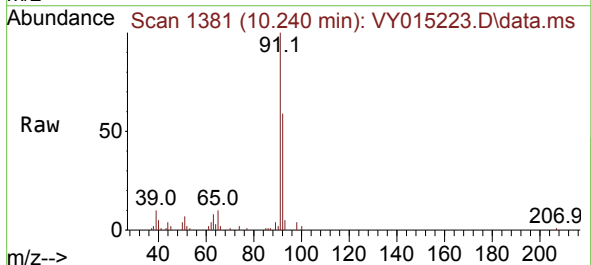
Instrument :
MSVOA_Y
ClientSampleId :

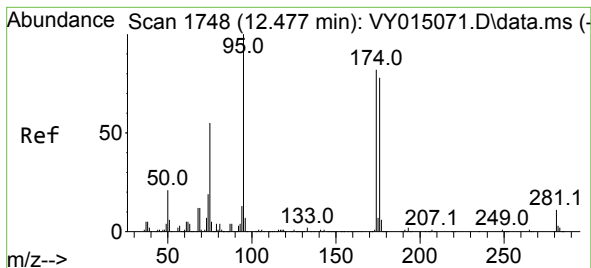
Tgt Ion: 98 Resp: 285368
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#52
Toluene
Concen: 2.540 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015223.D
Acq: 21 Aug 2023 17:20

Tgt Ion: 92 Resp: 8767
Ion Ratio Lower Upper
92 100
91 170.7 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 53.220 ug/l

RT: 12.477 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

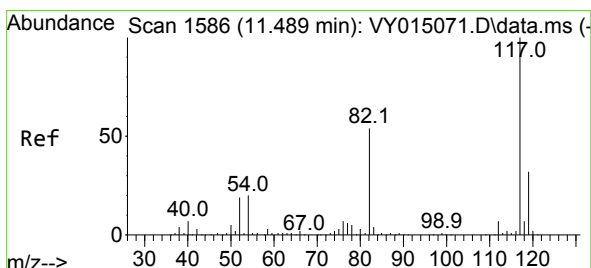
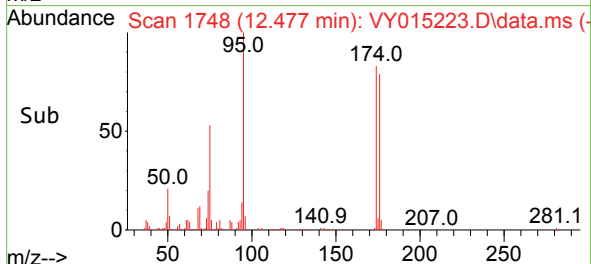
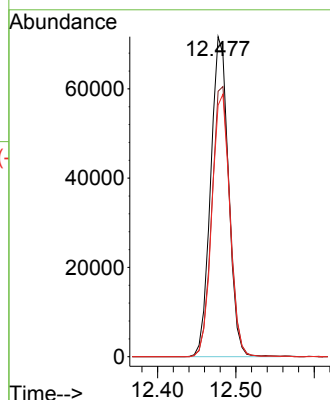
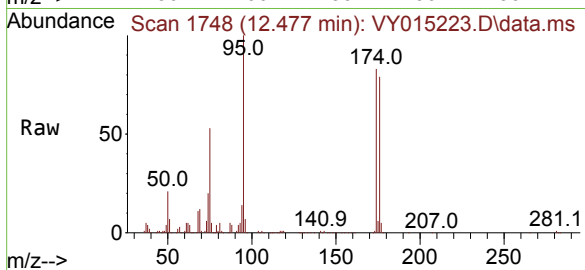
Tgt Ion: 95 Resp: 113305

Ion Ratio Lower Upper

95 100

174 85.8 0.0 178.2

176 82.8 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY015223.D

Acq: 21 Aug 2023 17:20

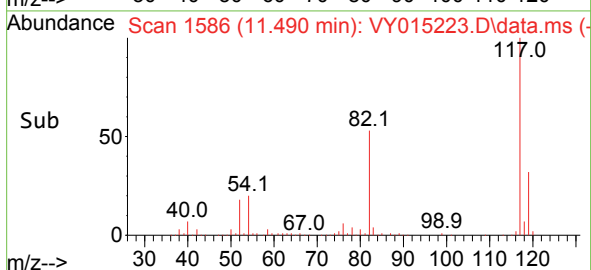
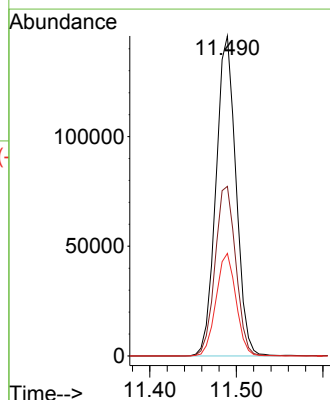
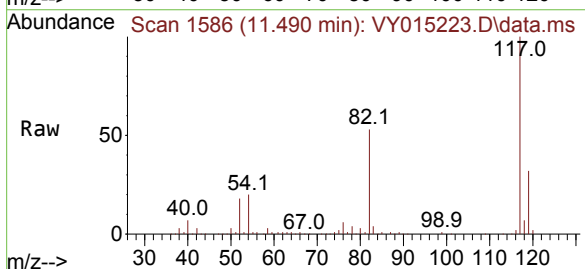
Tgt Ion: 117 Resp: 233729

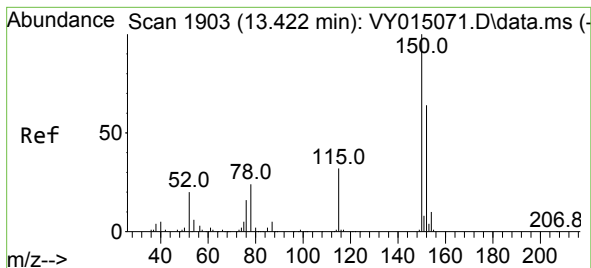
Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.1 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: VY015223.D

Acq: 21 Aug 2023 17:20

Instrument :

MSVOA_Y

ClientSampleId :

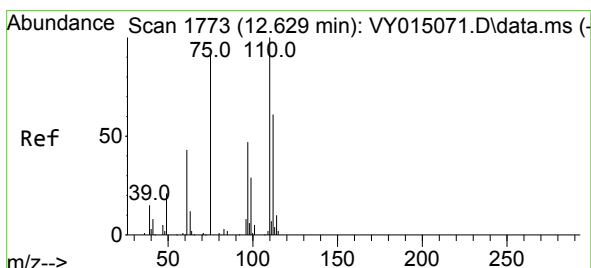
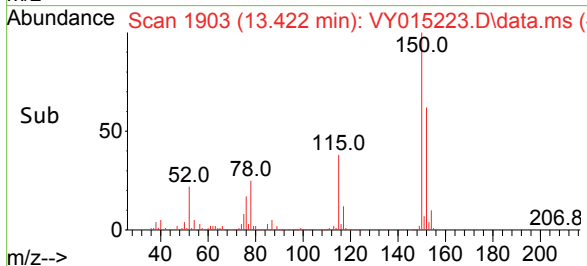
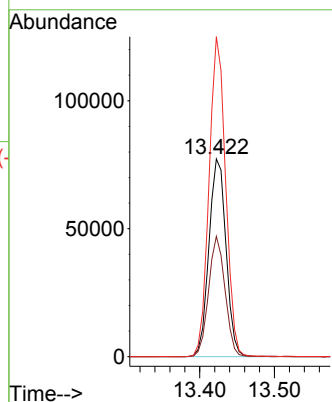
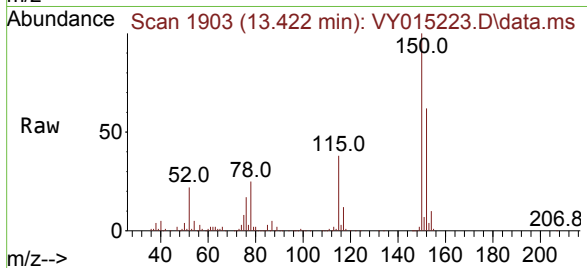
Tgt Ion:152 Resp: 123052

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.109 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015223.D

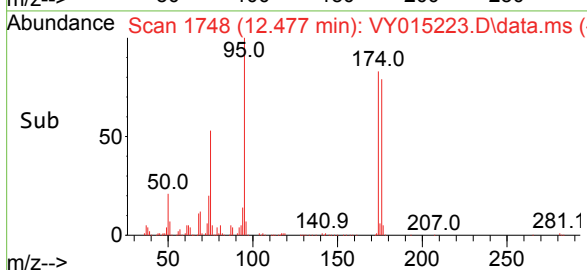
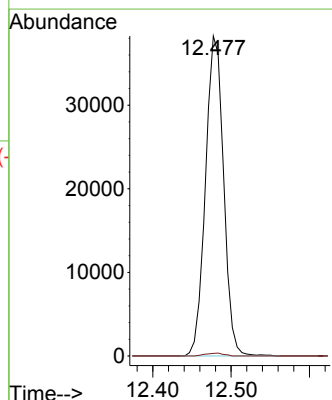
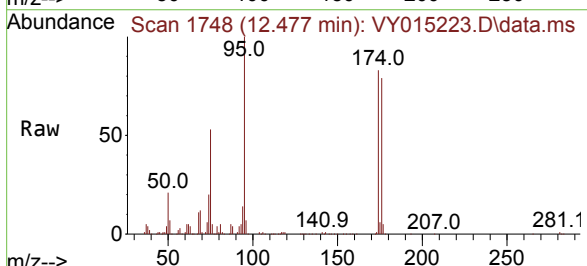
Acq: 21 Aug 2023 17:20

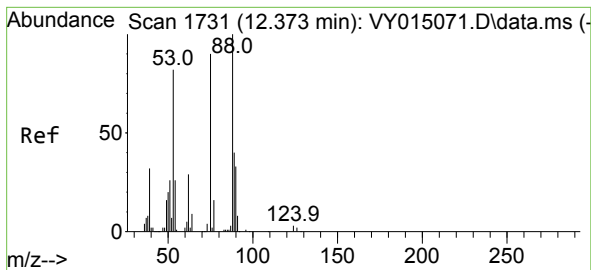
Tgt Ion: 75 Resp: 61458

Ion Ratio Lower Upper

75 100

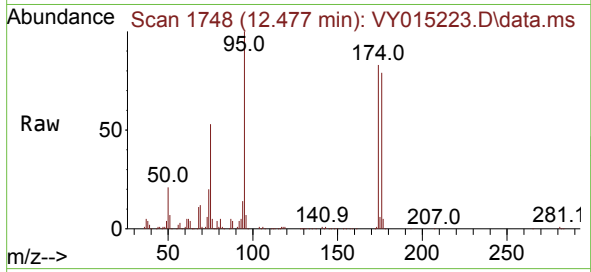
77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.296 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015223.D
 Acq: 21 Aug 2023 17:20

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 61458
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

