

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015353.D
 Acq On : 25 Aug 2023 19:25
 Operator : SY/MD
 Sample : 04188-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:47:17 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)

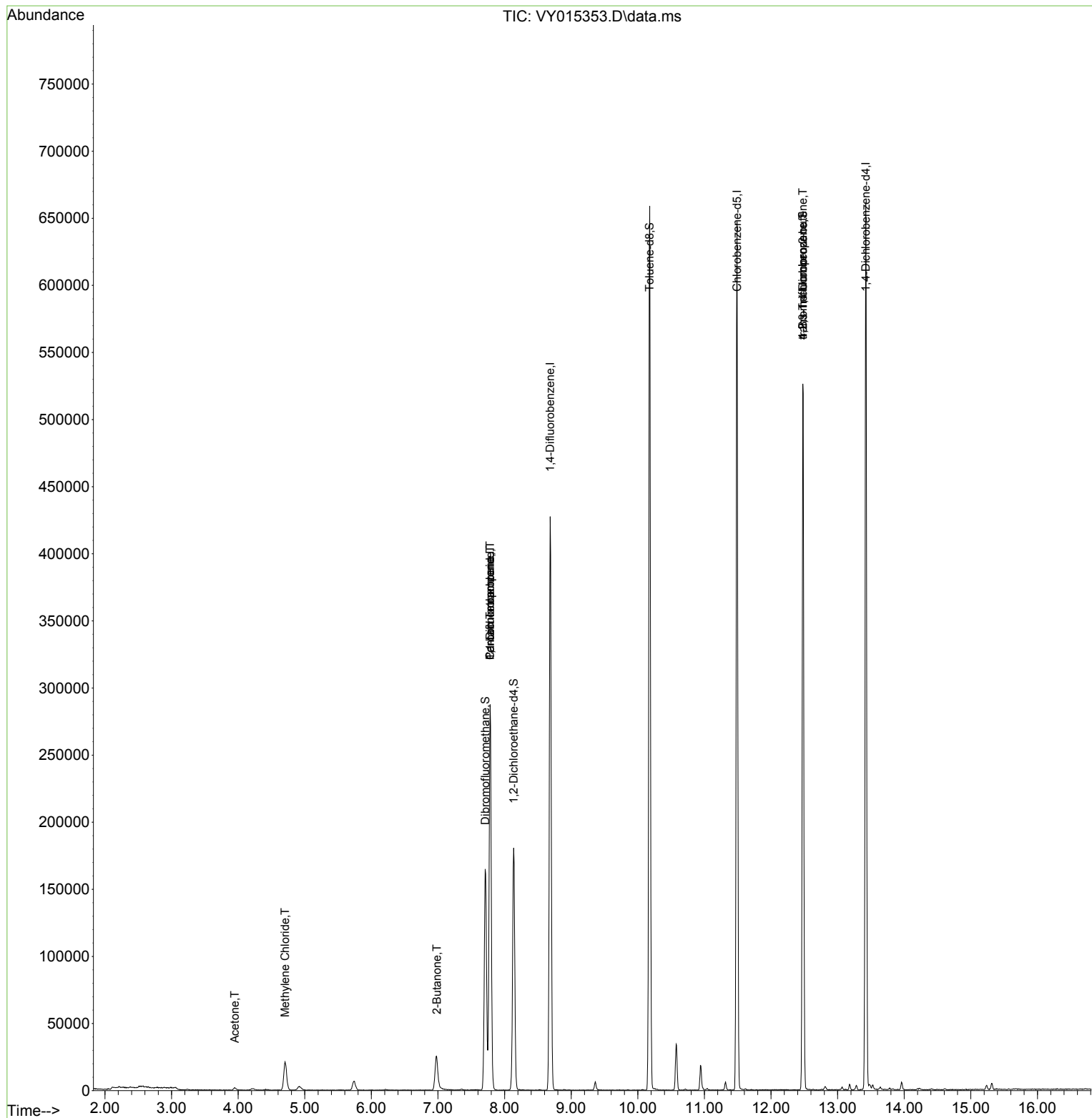
Internal Standards						
1) Pentafluorobenzene	7.783	168	221247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	371501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143724	54.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.240%	
35) Dibromofluoromethane	7.710	113	117236	49.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.100%	
50) Toluene-d8	10.179	98	431543	48.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.477	95	151521	46.628	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	269	Below Cal	#	43
5) Bromomethane	2.650	94	157	Below Cal	#	56
11) Tert butyl alcohol	4.917	59	1793	Below Cal	#	89
16) Acetone	3.948	43	3071	3.540	ug/l	100
20) Methylene Chloride	4.704	84	15787	3.578	ug/l	88
25) 2-Butanone	6.984	43	1496	1.218	ug/l	92
31) Cyclohexane	7.783	56	4652	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17867	6.757	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22072	7.053	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	83330	40.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83330	89.590	ug/l #	10

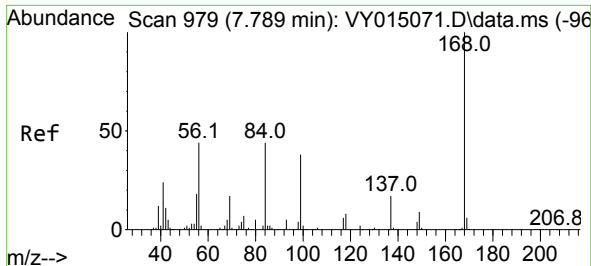
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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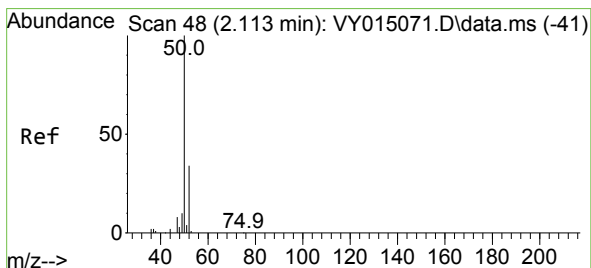
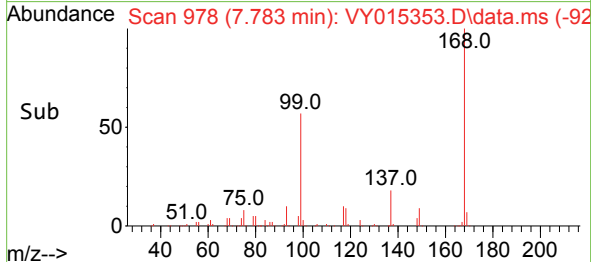
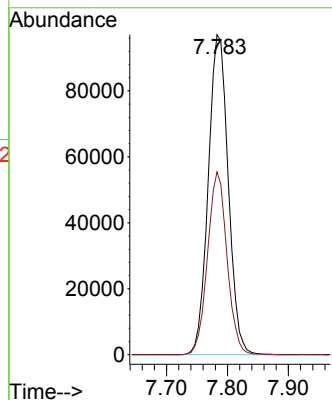
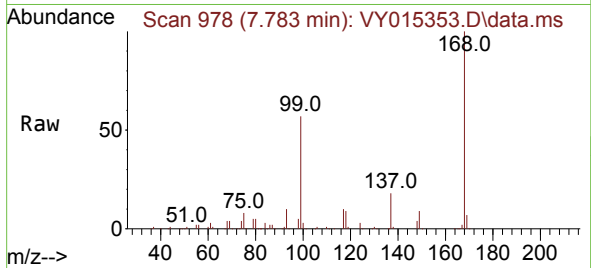




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

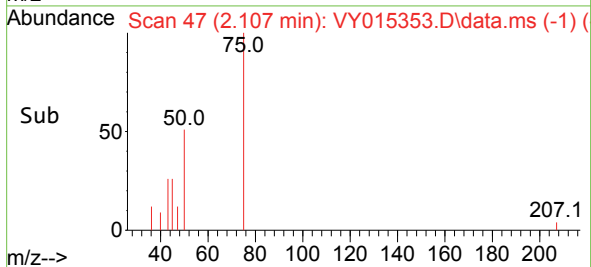
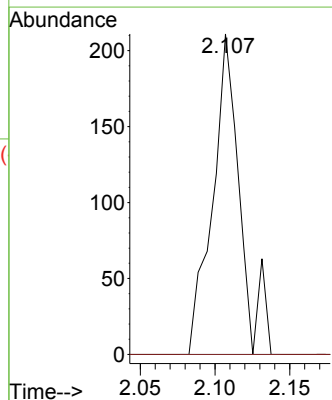
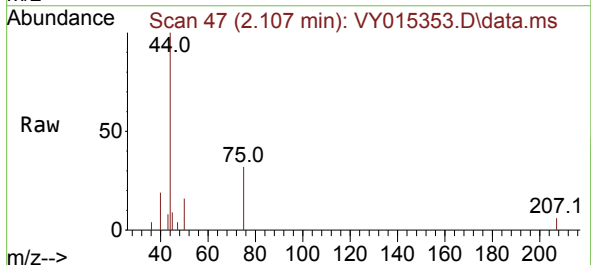
Instrument :
MSVOA_Y
ClientSampleId :

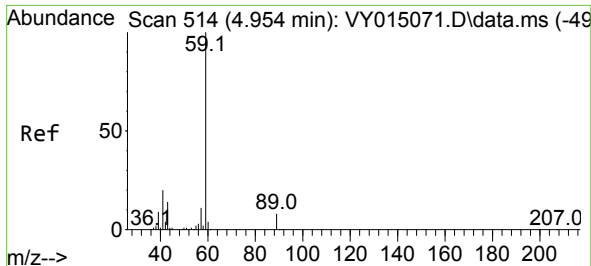
Tgt Ion:168 Resp: 221247
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Tgt Ion: 50 Resp: 269
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.917 min Scan# 508

Delta R.T. -0.031 min

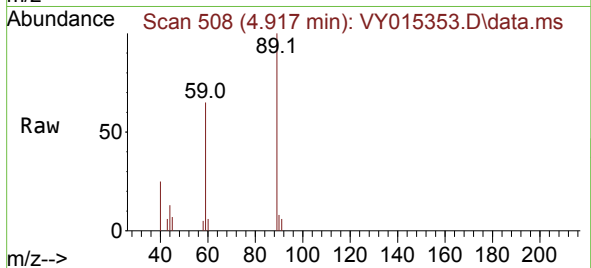
Lab File: VY015353.D

Acq: 25 Aug 2023 19:25

Instrument :

MSVOA_Y

ClientSampleId :

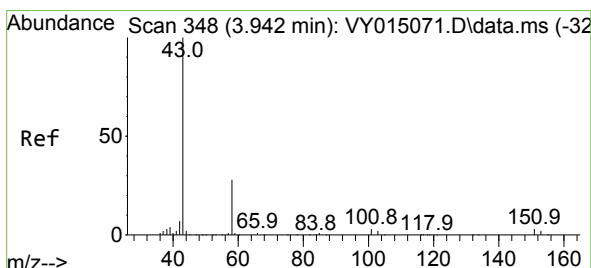
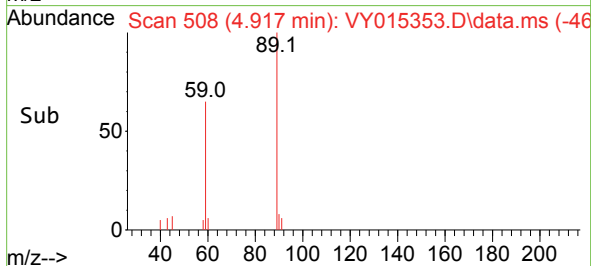
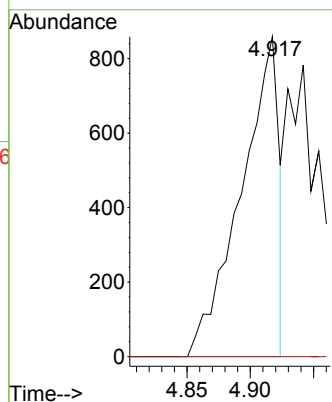


Tgt Ion: 59 Resp: 1793

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 3.540 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015353.D

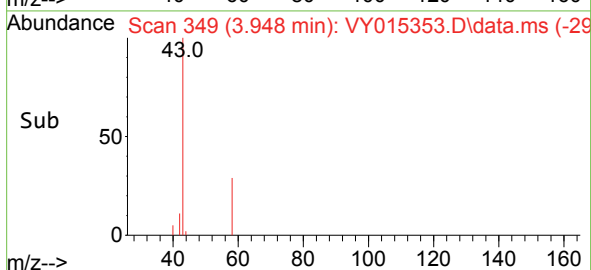
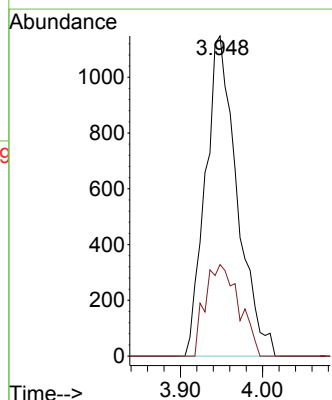
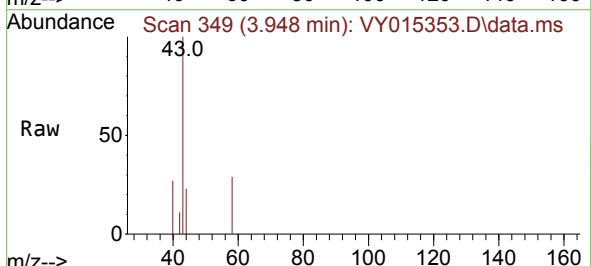
Acq: 25 Aug 2023 19:25

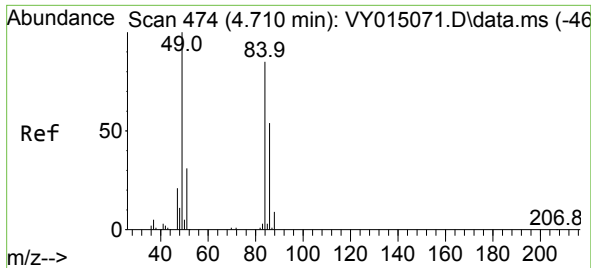
Tgt Ion: 43 Resp: 3071

Ion Ratio Lower Upper

43 100

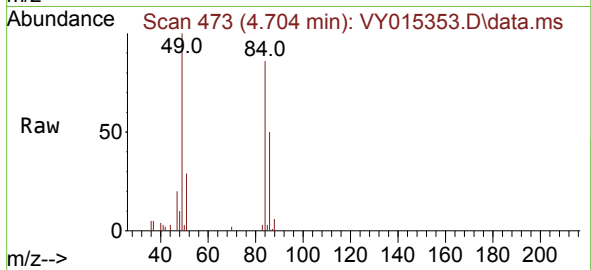
58 28.6 22.7 34.1



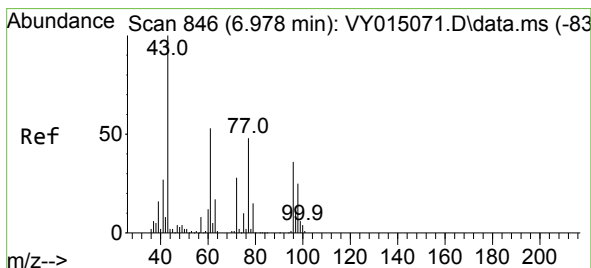
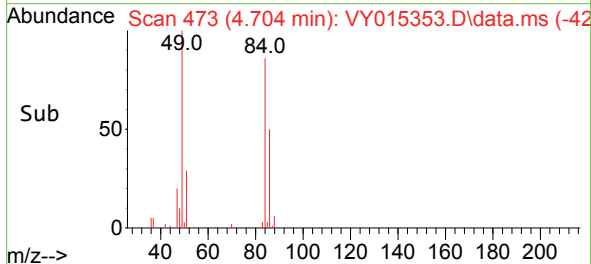
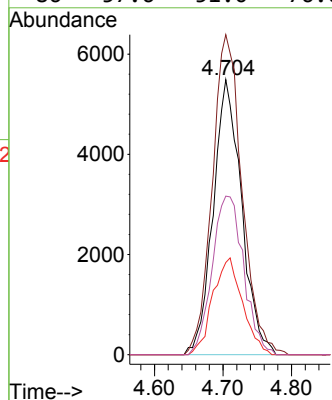


#20
Methylene Chloride
Concen: 3.578 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :

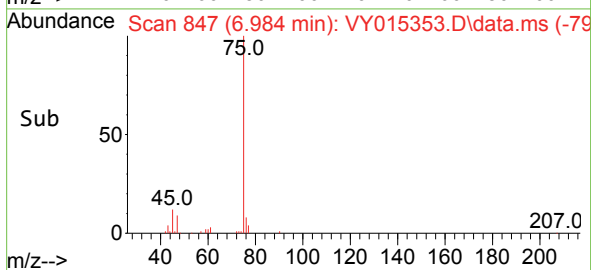
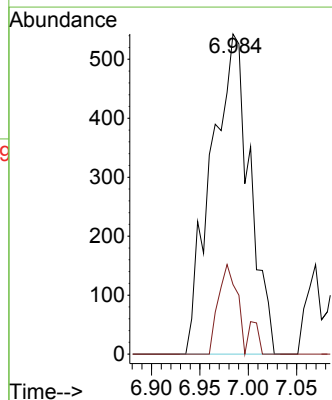
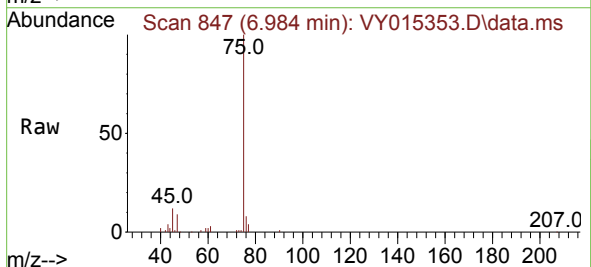


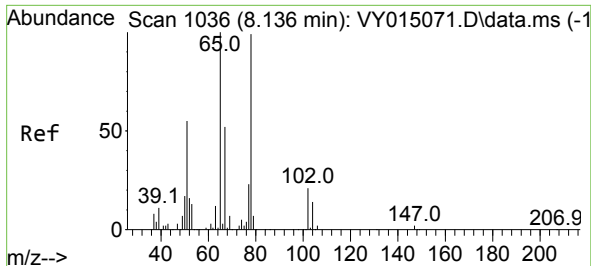
Tgt Ion: 84	Resp: 15787
Ion Ratio	Lower Upper
84 100	
49 116.3	106.9 160.3
51 33.5	33.2 49.8
86 57.6	51.0 76.6



#25
2-Butanone
Concen: 1.218 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Tgt Ion: 43	Resp: 1496
Ion Ratio	Lower Upper
43 100	
72 21.7	20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 54.116 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015353.D

Acq: 25 Aug 2023 19:25

Instrument :

MSVOA_Y

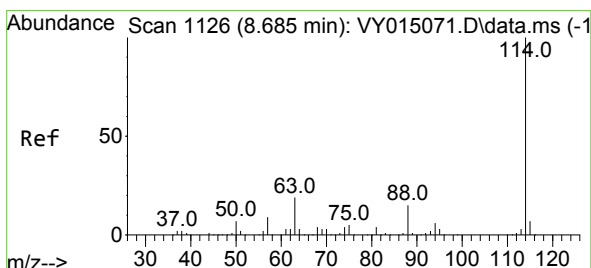
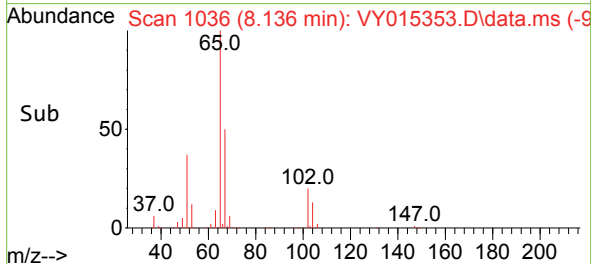
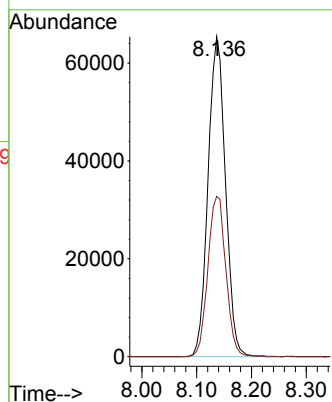
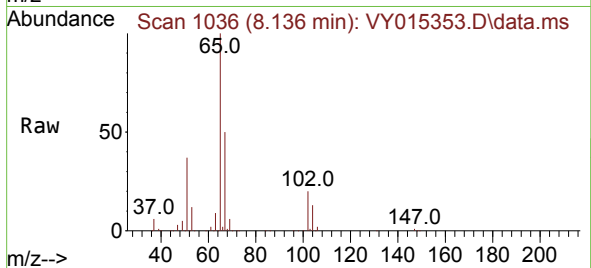
ClientSampleId :

Tgt Ion: 65 Resp: 143724

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015353.D

Acq: 25 Aug 2023 19:25

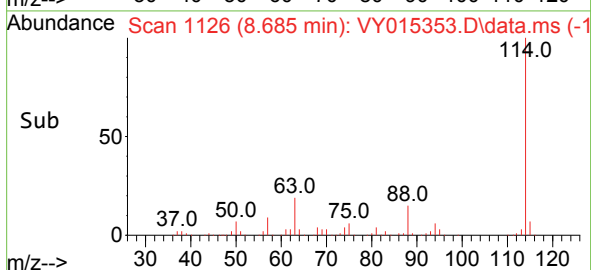
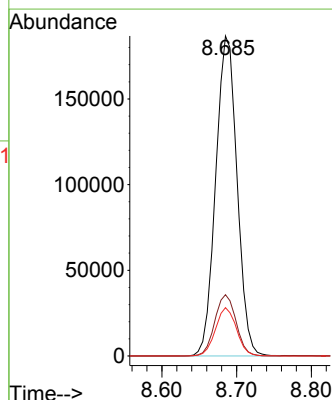
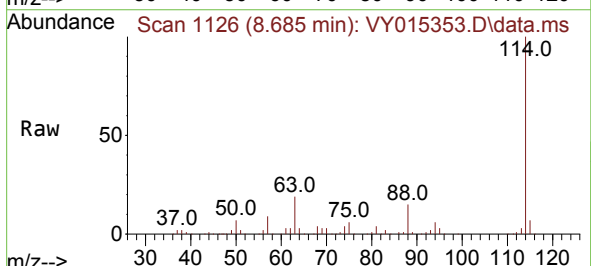
Tgt Ion: 114 Resp: 371501

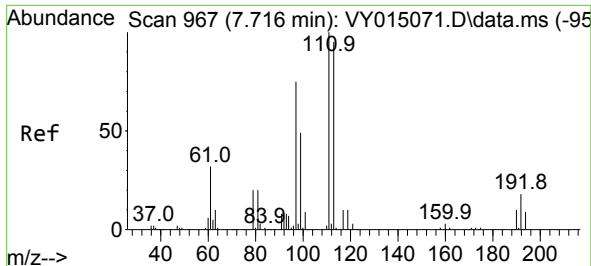
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6

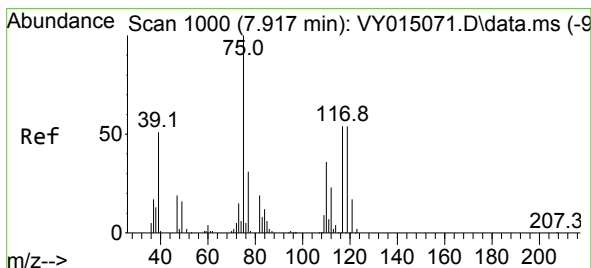
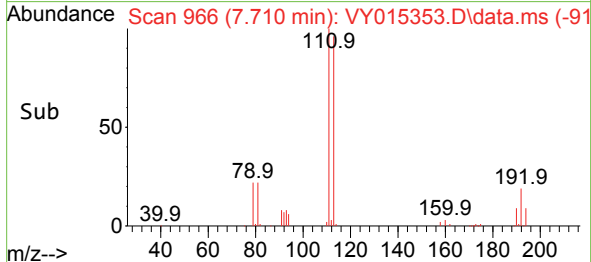
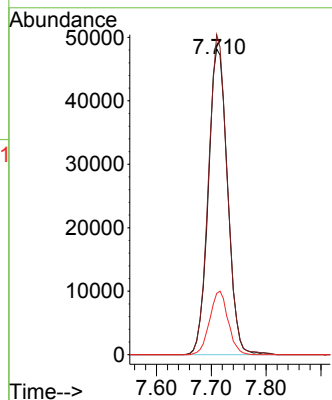
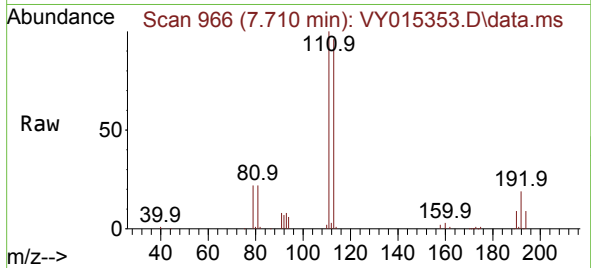




#35
Dibromofluoromethane
Concen: 49.053 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

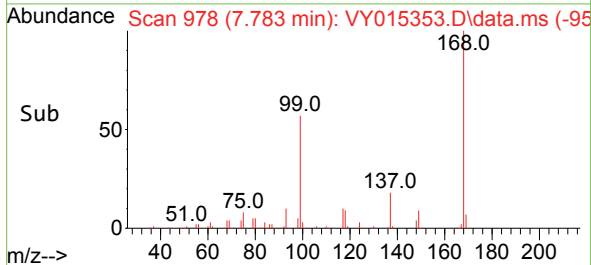
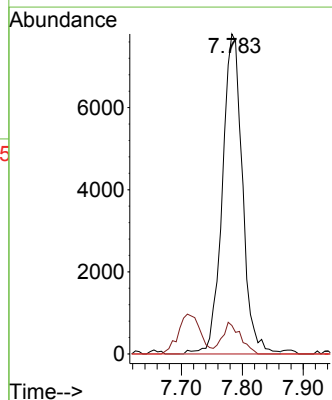
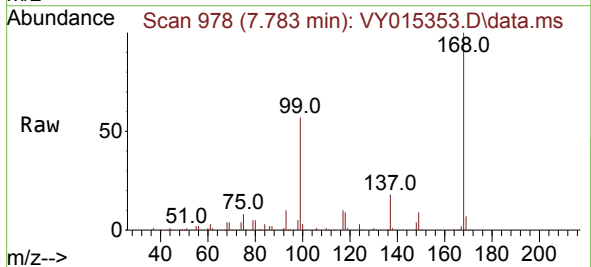
Instrument :
MSVOA_Y
ClientSampleId :

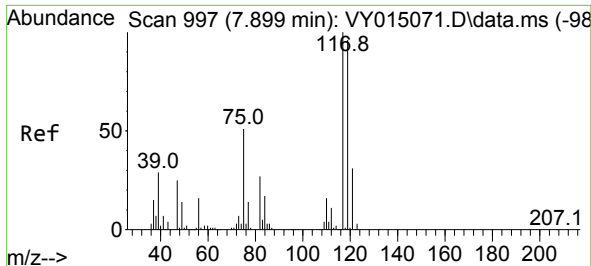
Tgt Ion:113 Resp: 117236
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.757 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

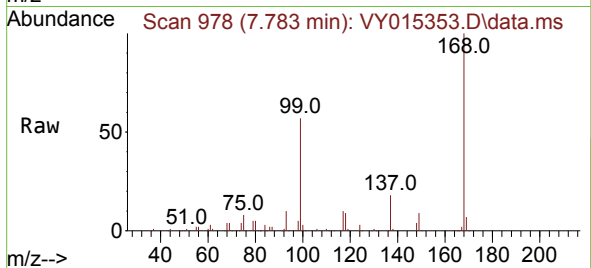
Tgt Ion: 75 Resp: 17867
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



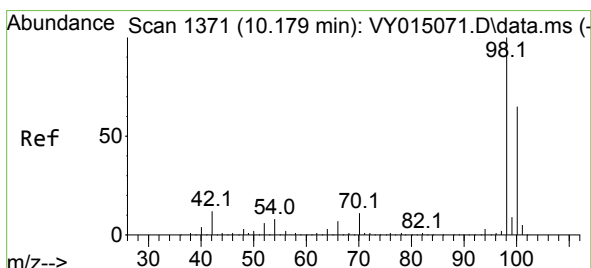
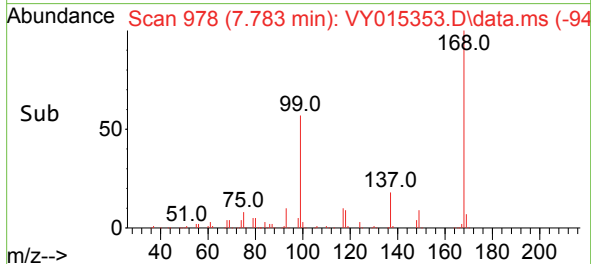
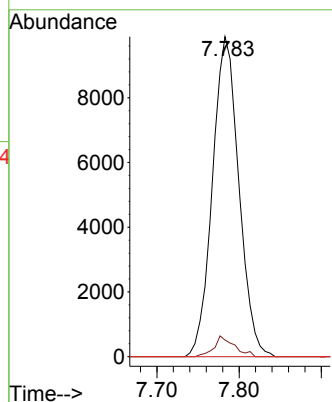


#38
Carbon Tetrachloride
Concen: 7.053 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :

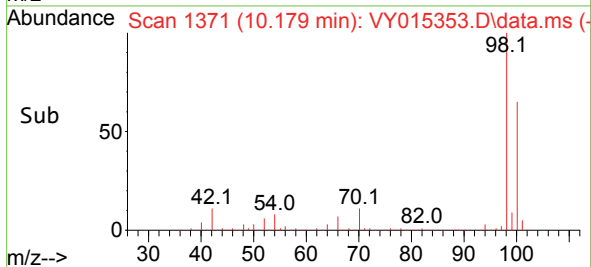
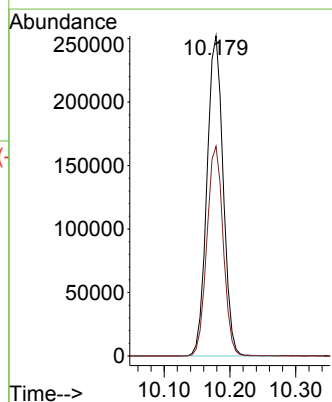
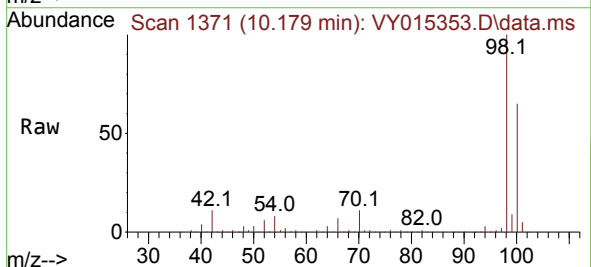


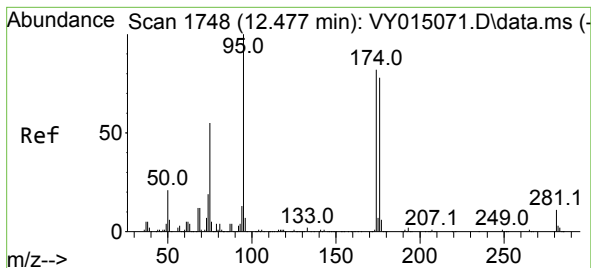
Tgt Ion:117 Resp: 22072
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.505 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Tgt Ion: 98 Resp: 431543
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1

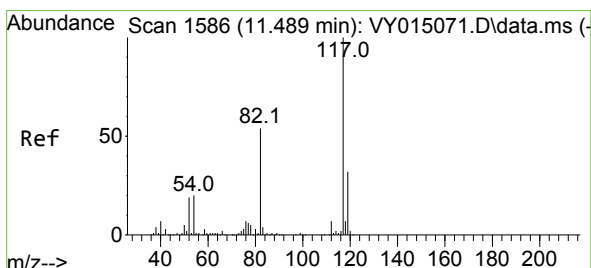
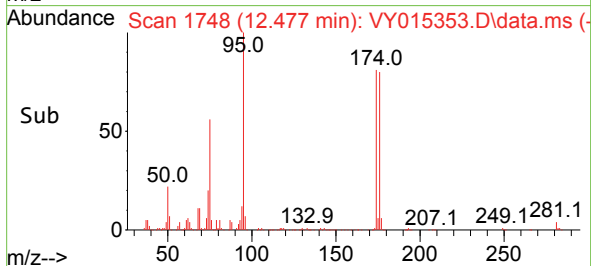
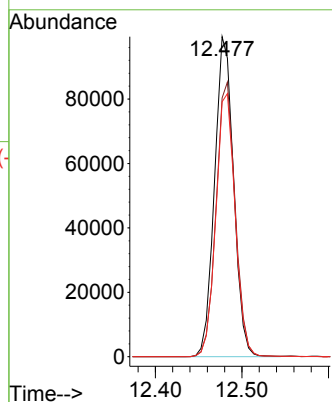
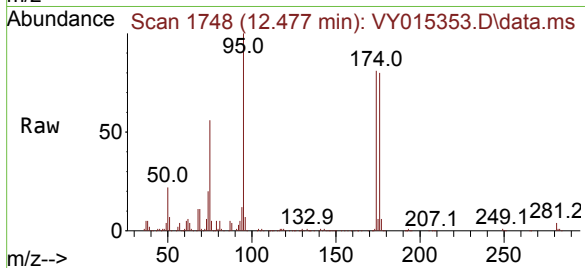




#62
4-Bromofluorobenzene
Concen: 46.628 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

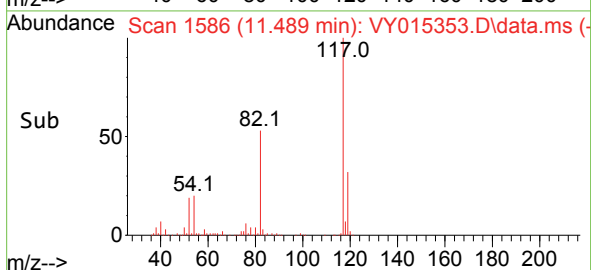
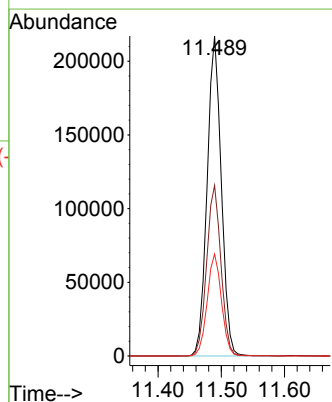
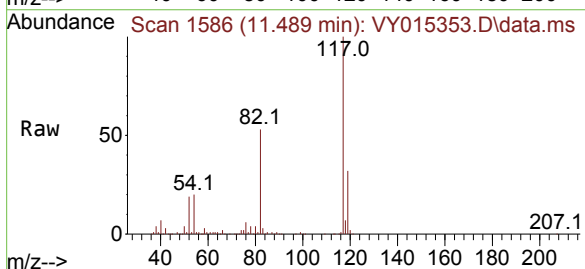
Instrument :
MSVOA_Y
ClientSampleId :

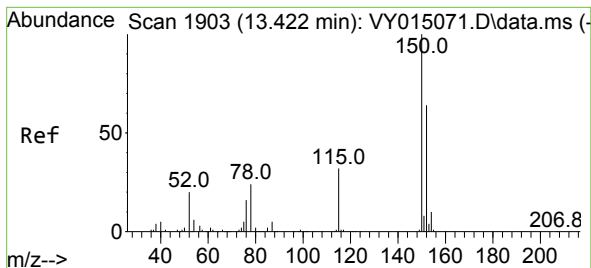
Tgt Ion: 95 Resp: 151521
Ion Ratio Lower Upper
95 100
174 86.2 0.0 178.2
176 83.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015353.D
Acq: 25 Aug 2023 19:25

Tgt Ion: 117 Resp: 338240
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.9 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: VY015353.D

Acq: 25 Aug 2023 19:25

Instrument :

MSVOA_Y

ClientSampleId :

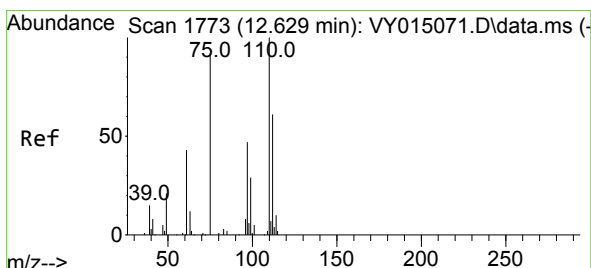
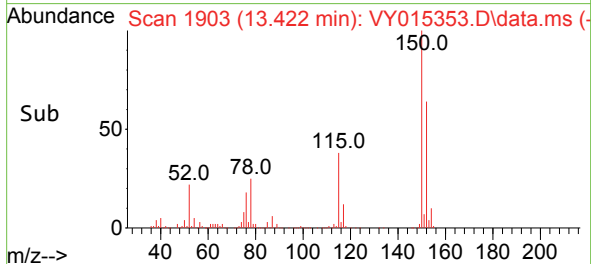
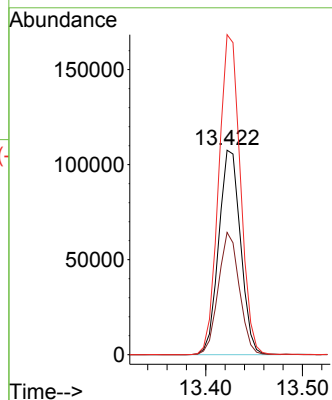
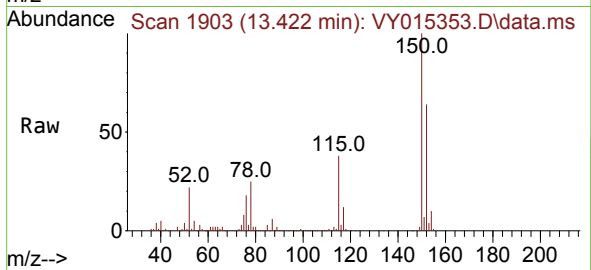
Tgt Ion:152 Resp: 168158

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.788 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015353.D

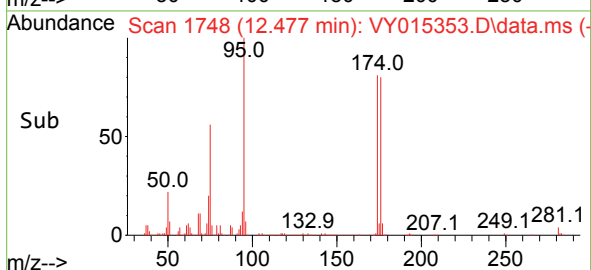
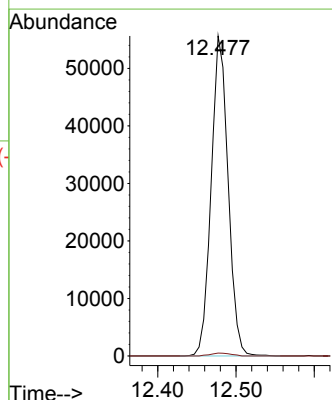
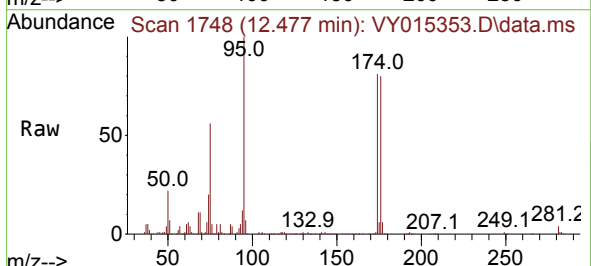
Acq: 25 Aug 2023 19:25

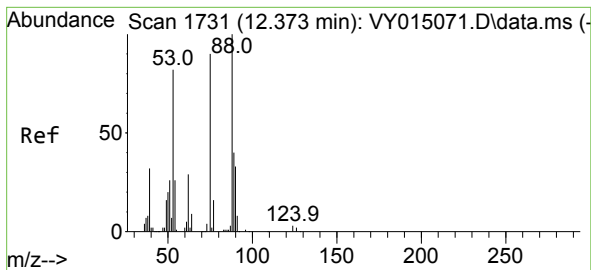
Tgt Ion: 75 Resp: 83330

Ion Ratio Lower Upper

75 100

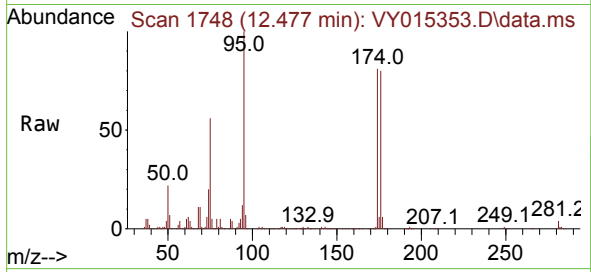
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.590 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015353.D
 Acq: 25 Aug 2023 19:25

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#

