

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015229.D
 Acq On : 21 Aug 2023 19:43
 Operator : SY/MD
 Sample : 04091-07
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:58:36 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)

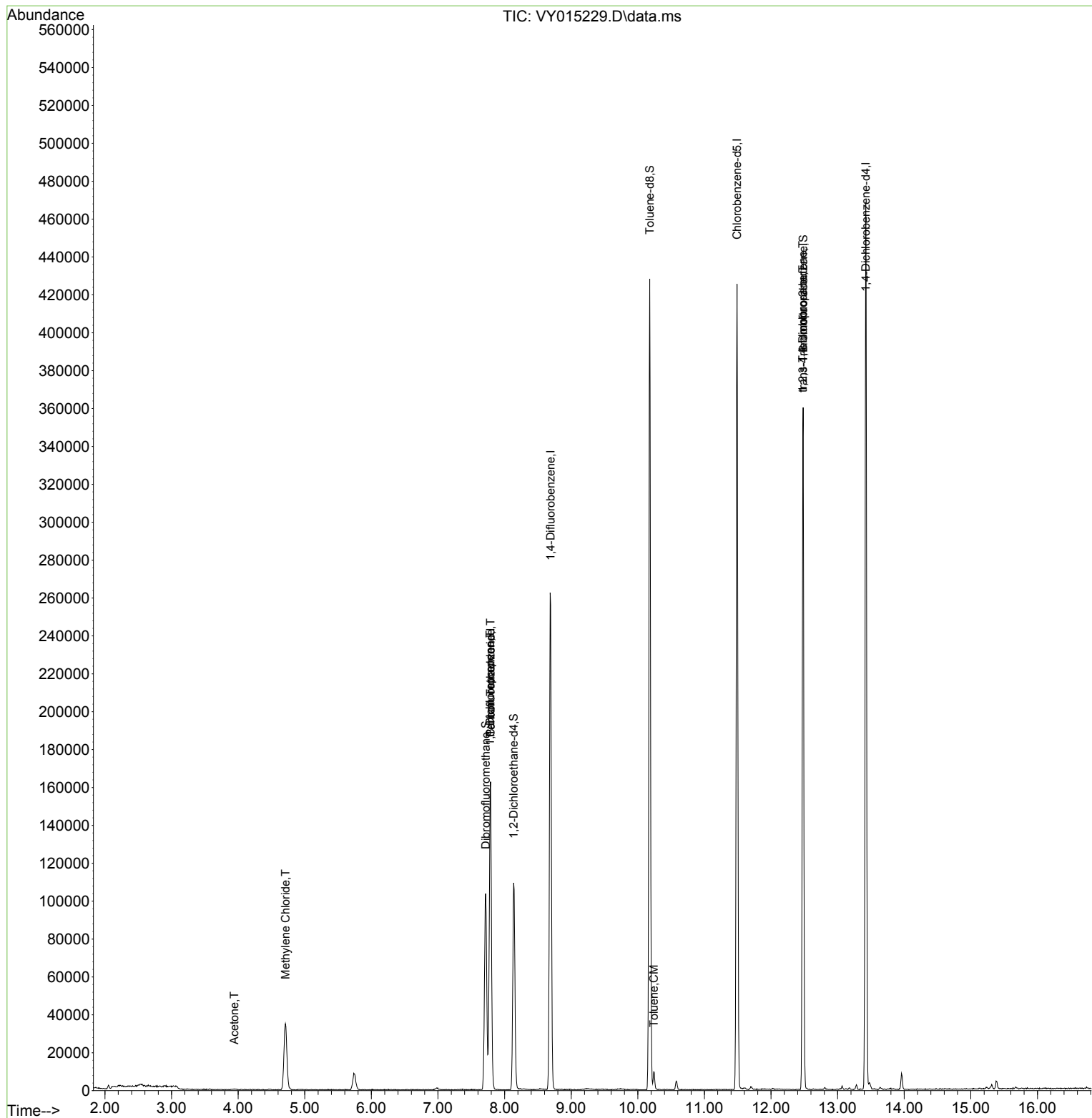
Internal Standards						
1) Pentafluorobenzene	7.789	168	125819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	230685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87292	57.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.600%	
35) Dibromofluoromethane	7.716	113	73372	50.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.179	98	272896	50.361	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	12.483	95	105186	53.145	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	52	Below Cal	#	43
3) Chloromethane	2.107	50	436	Below Cal		92
5) Bromomethane	2.650	94	113	Below Cal	#	79
11) Tert butyl alcohol	4.954	59	164	Below Cal	#	89
16) Acetone	3.942	43	862	1.747	ug/l	95
20) Methylene Chloride	4.710	84	27146	20.388	ug/l	92
31) Cyclohexane	7.783	56	2756	Below Cal	#	4
36) 1,1-Dichloropropene	7.783	75	9566	5.940	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12701	6.664	ug/l #	15
52) Toluene	10.240	92	3843	1.198	ug/l	88
76) 1,2,3-Trichloropropane	12.477	75	57621	39.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57621	87.808	ug/l #	10

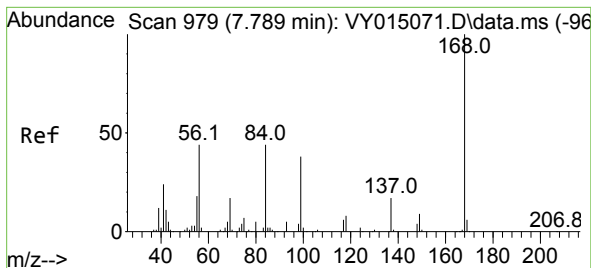
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

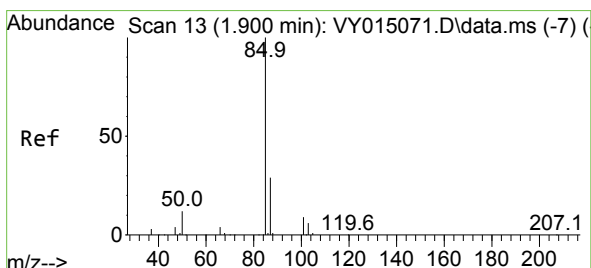
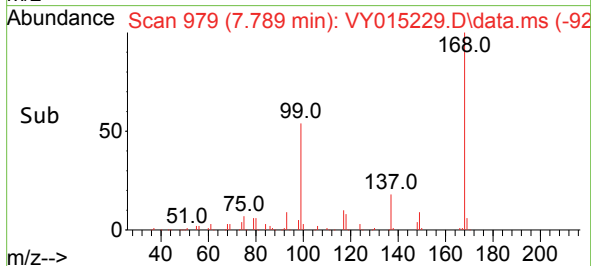
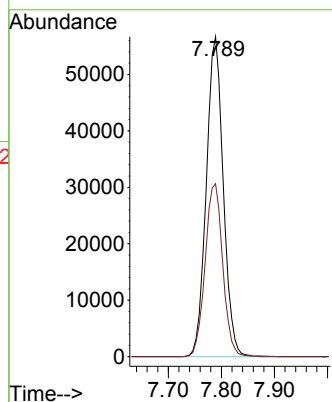
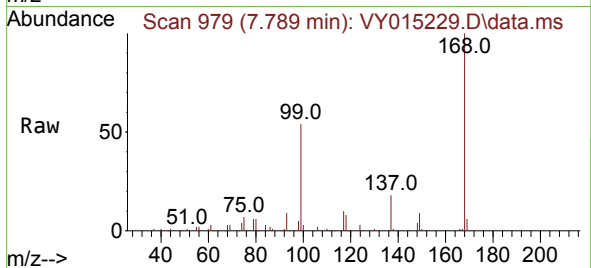
ClientSampleId :

Tgt Ion:168 Resp: 125819

Ion Ratio Lower Upper

168 100

99 54.1 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015229.D

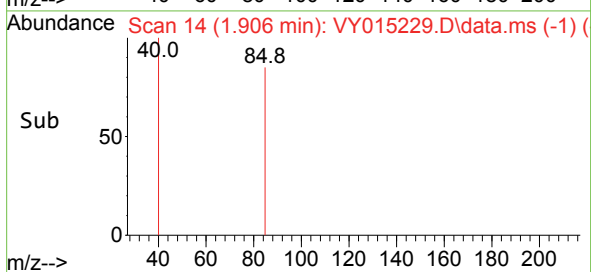
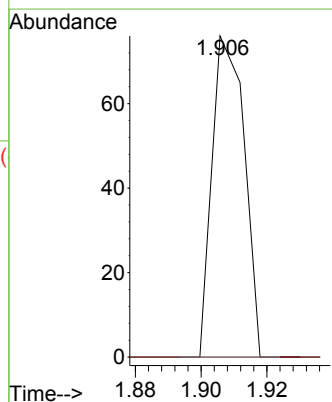
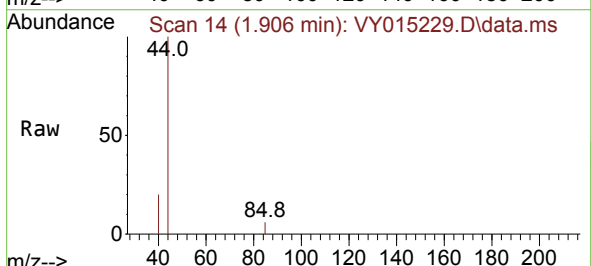
Acq: 21 Aug 2023 19:43

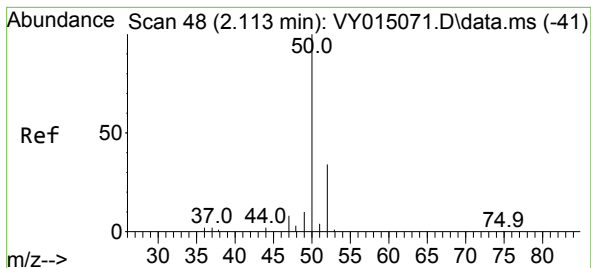
Tgt Ion: 85 Resp: 52

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

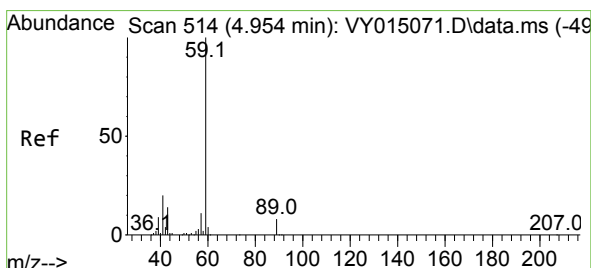
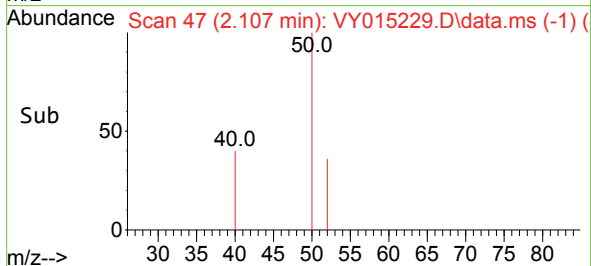
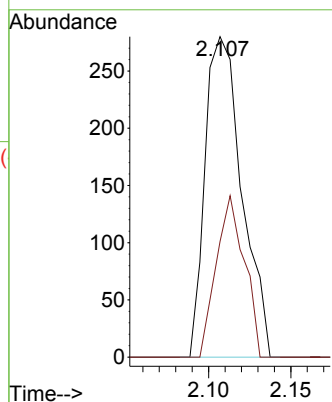
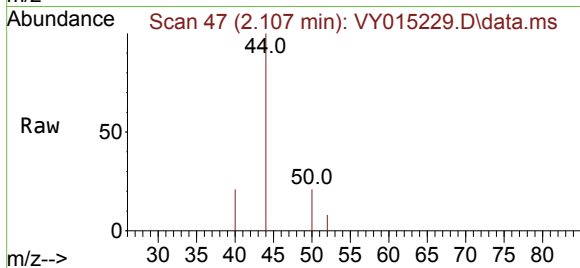
ClientSampleId :

Tgt Ion: 50 Resp: 436

Ion Ratio Lower Upper

50 100

52 36.1 25.4 38.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 514

Delta R.T. 0.006 min

Lab File: VY015229.D

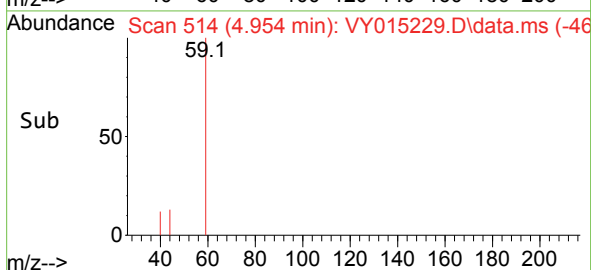
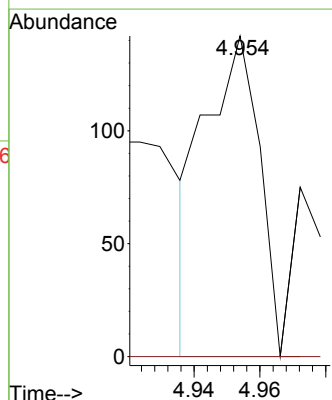
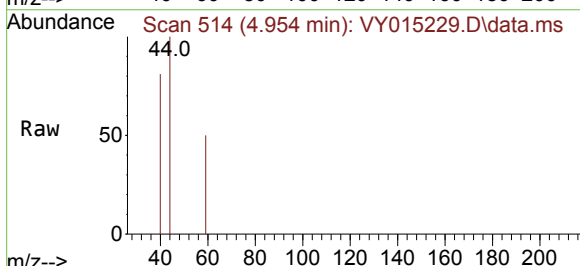
Acq: 21 Aug 2023 19:43

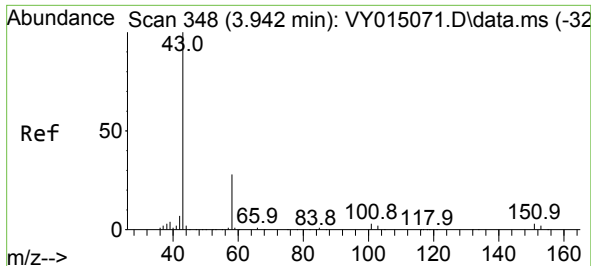
Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

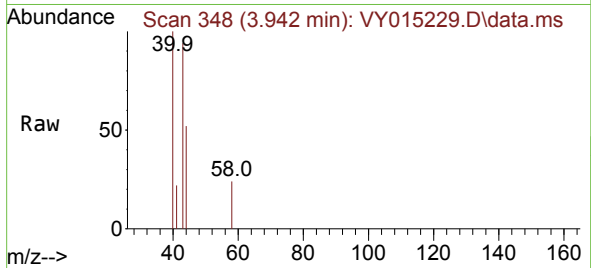
57 0.0 3.0 4.4#



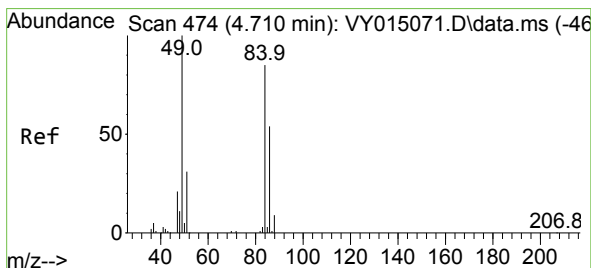
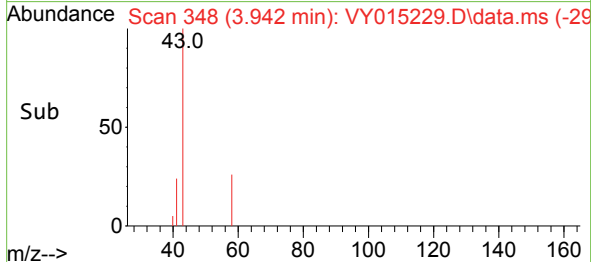
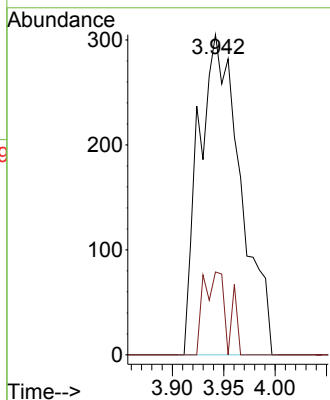


#16
Acetone
Concen: 1.747 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

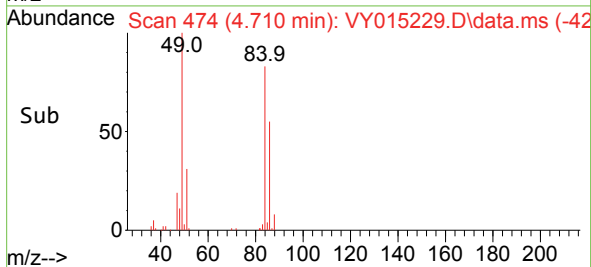
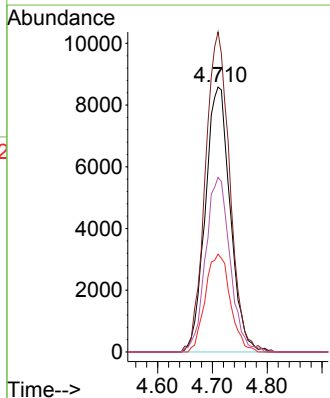
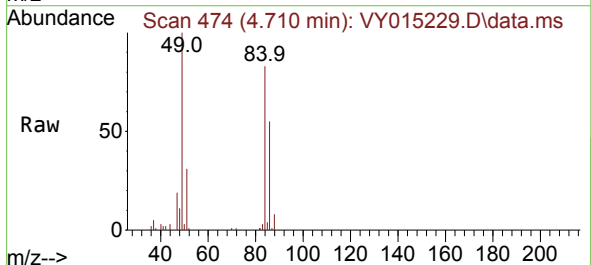


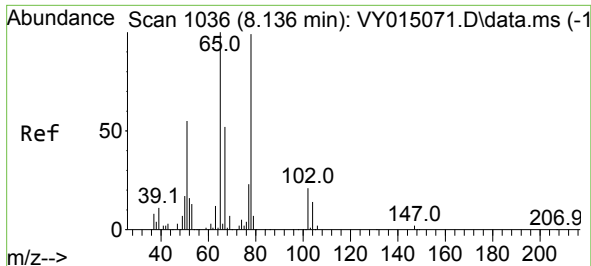
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 25.9 22.7 34.1



#20
Methylene Chloride
Concen: 20.388 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

Tgt Ion: 84 Resp: 27146
Ion Ratio Lower Upper
84 100
49 120.7 106.9 160.3
51 36.9 33.2 49.8
86 65.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.796 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

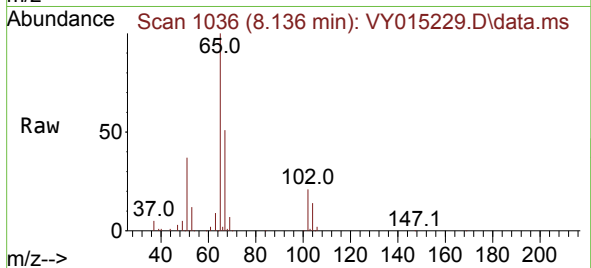
Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

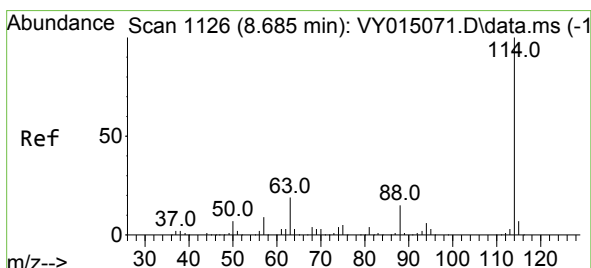
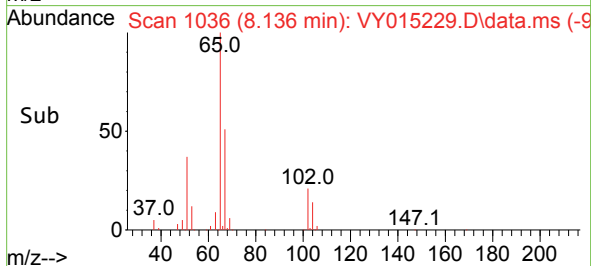
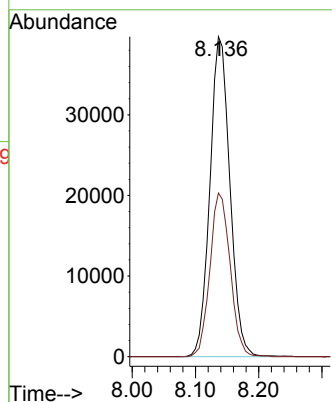


Tgt Ion: 65 Resp: 87292

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015229.D

Acq: 21 Aug 2023 19:43

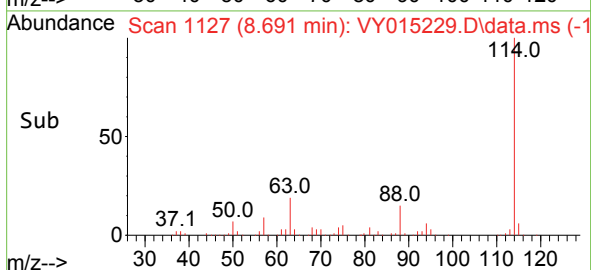
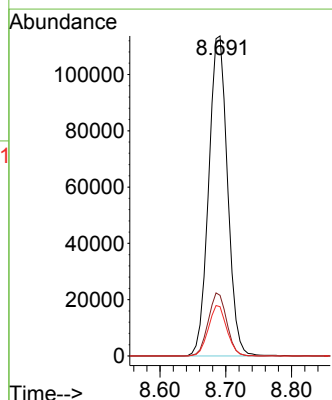
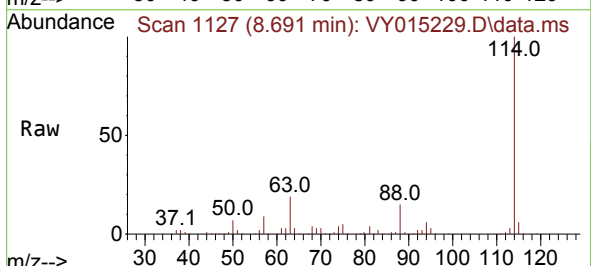
Tgt Ion: 114 Resp: 226269

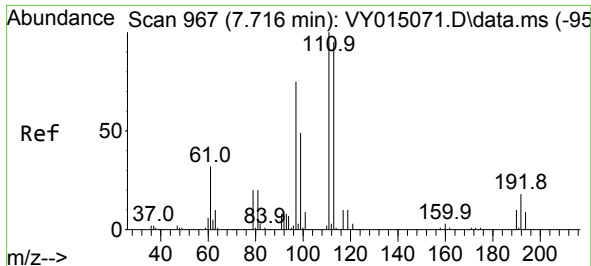
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.4 0.0 30.6

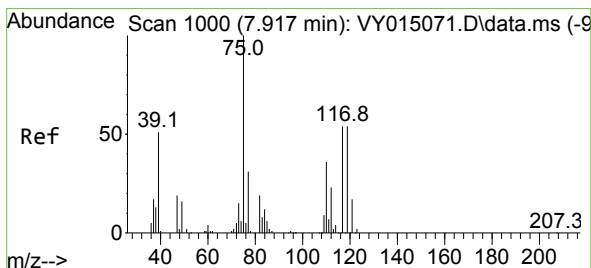
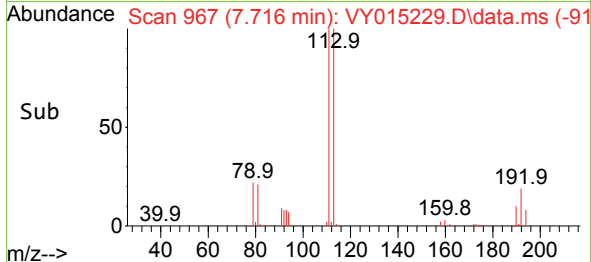
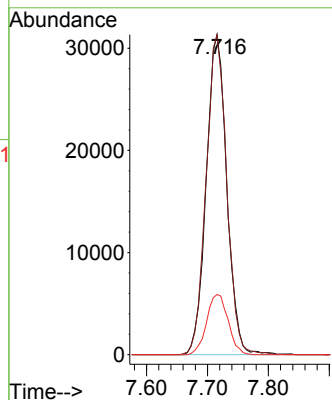
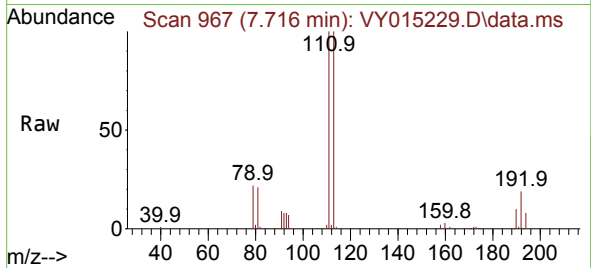




#35
Dibromofluoromethane
Concen: 50.404 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

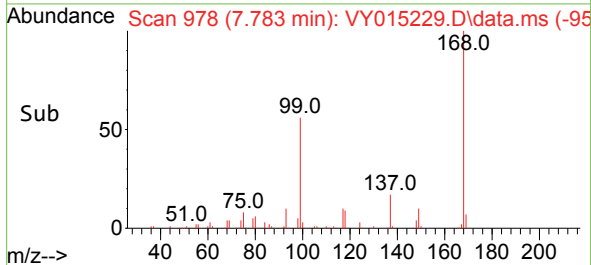
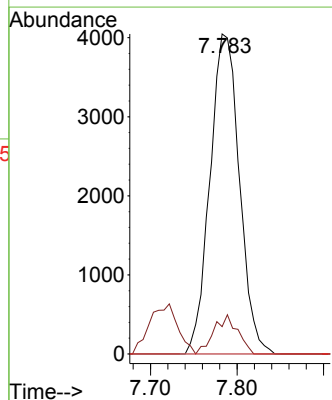
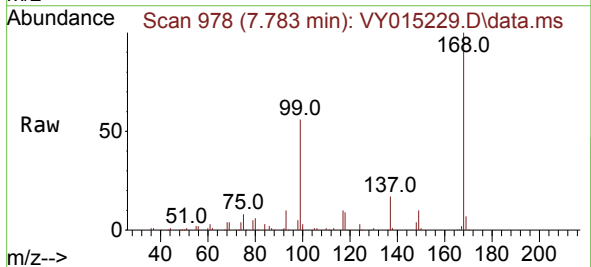
Instrument :
MSVOA_Y
ClientSampleId :

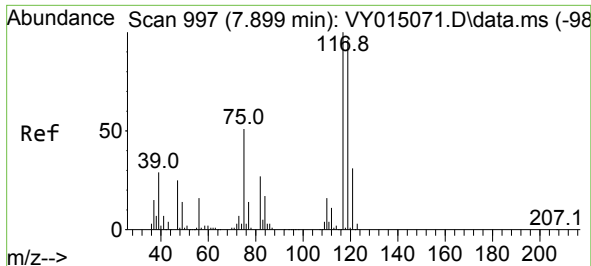
Tgt Ion:113 Resp: 73372
Ion Ratio Lower Upper
113 100
111 100.5 81.3 121.9
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.940 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

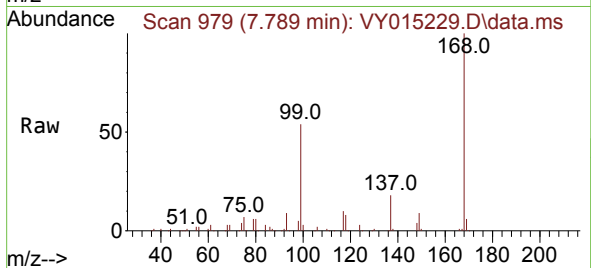
Tgt Ion: 75 Resp: 9566
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.0 24.4 36.6#



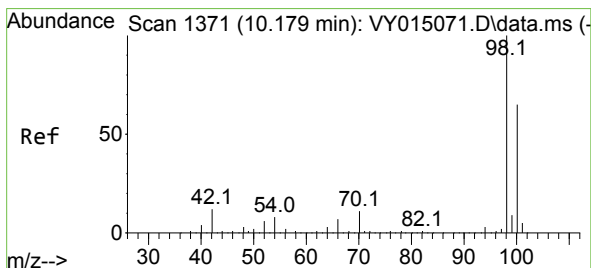
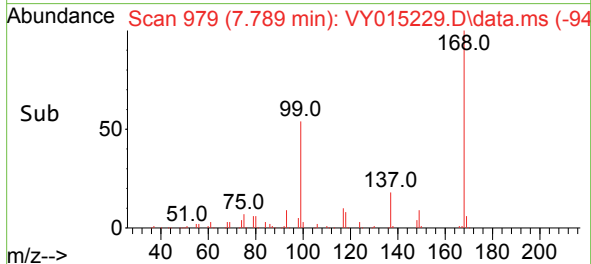
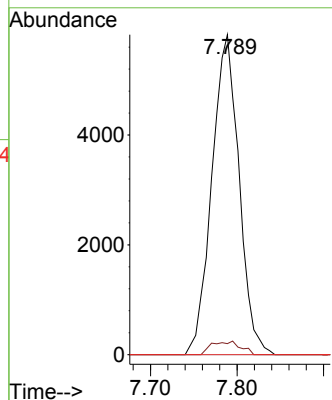


#38
Carbon Tetrachloride
Concen: 6.664 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

Instrument :
MSVOA_Y
ClientSampleId :

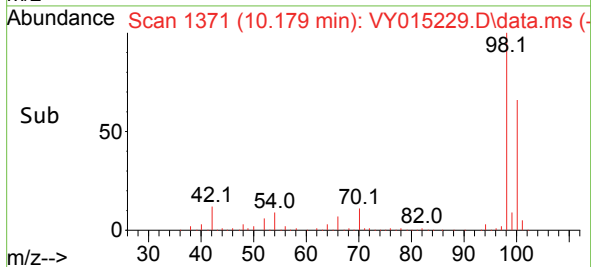
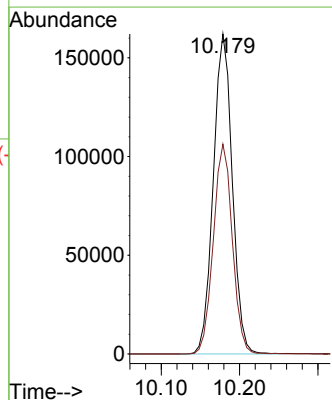
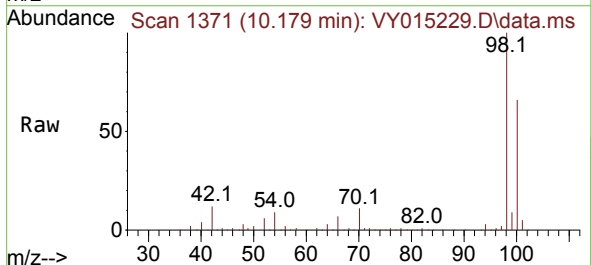


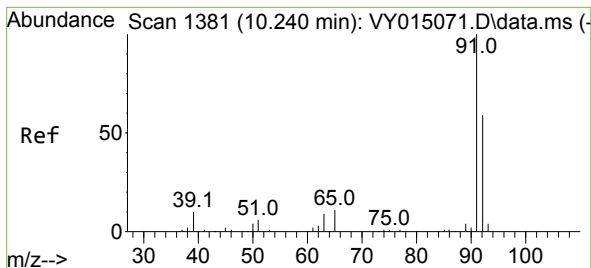
Tgt Ion:117 Resp: 12701
Ion Ratio Lower Upper
117 100
119 3.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.361 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015229.D
Acq: 21 Aug 2023 19:43

Tgt Ion: 98 Resp: 272896
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





#52

Toluene

Concen: 1.198 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

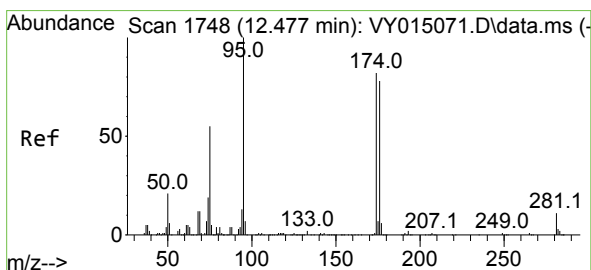
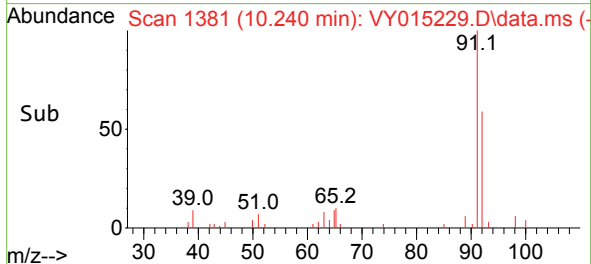
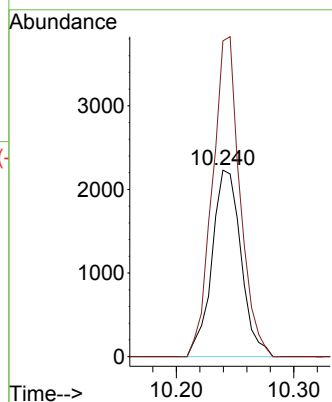
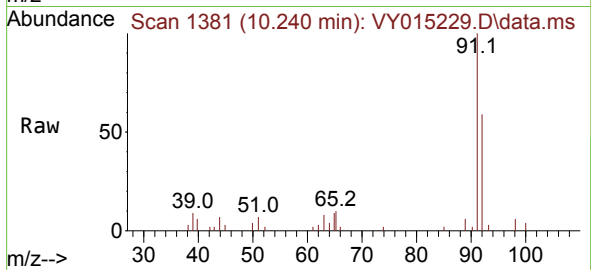
ClientSampleId :

Tgt Ion: 92 Resp: 3843

Ion Ratio Lower Upper

92 100

91 162.3 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.145 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

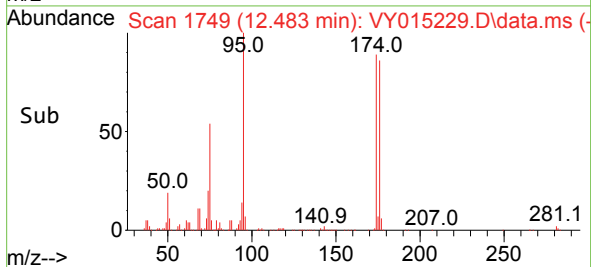
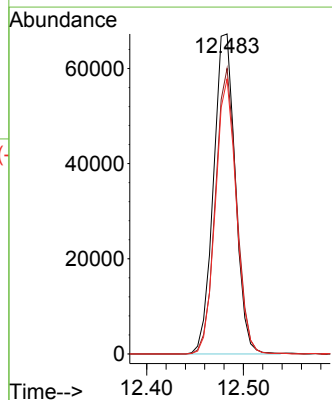
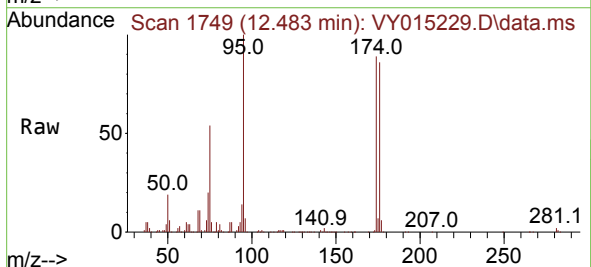
Tgt Ion: 95 Resp: 105186

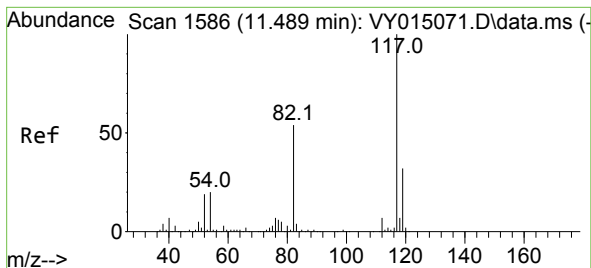
Ion Ratio Lower Upper

95 100

174 86.4 0.0 178.2

176 82.7 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: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

ClientSampleId :

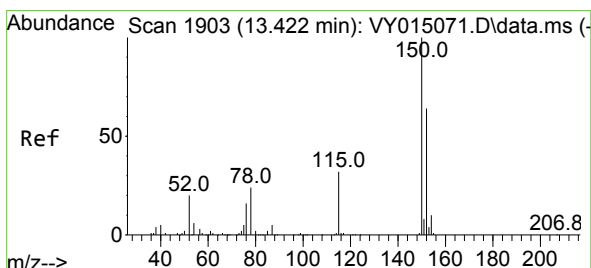
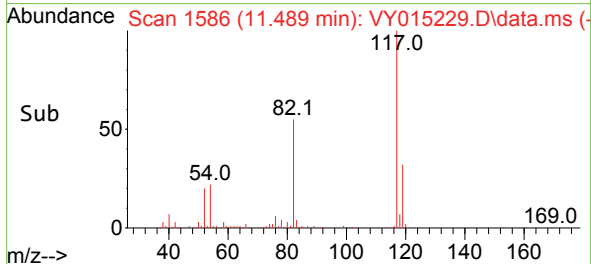
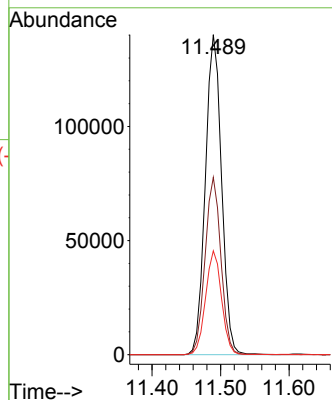
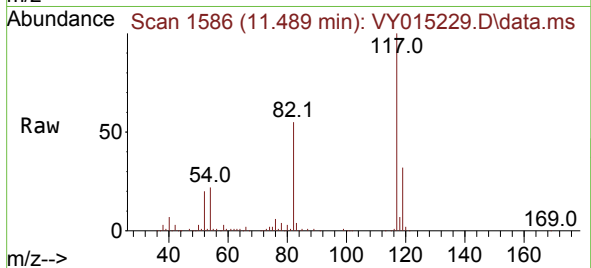
Tgt Ion:117 Resp: 230685

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.0

119 32.5 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: VY015229.D

Acq: 21 Aug 2023 19:43

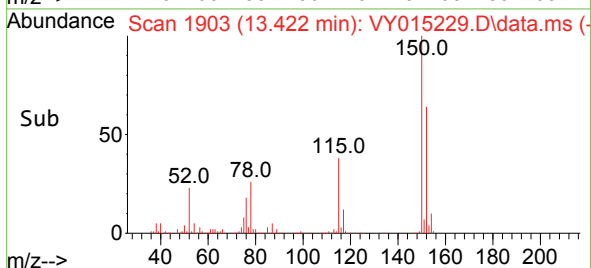
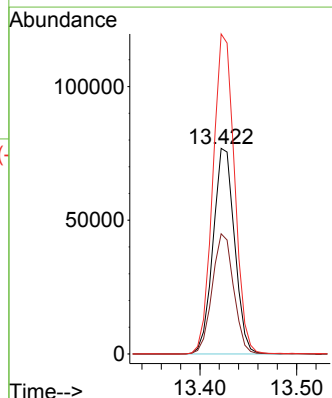
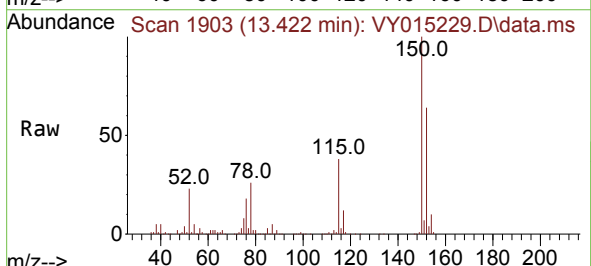
Tgt Ion:152 Resp: 118638

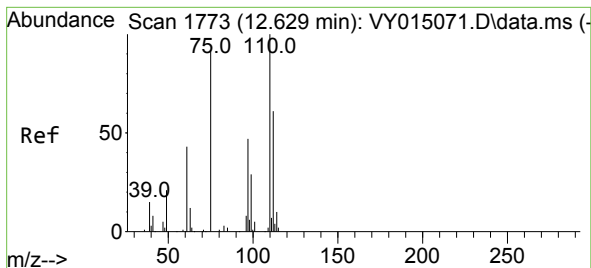
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 156.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.977 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA_Y

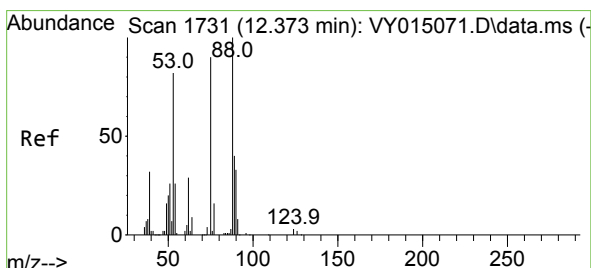
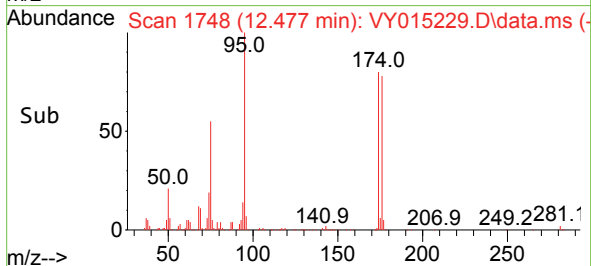
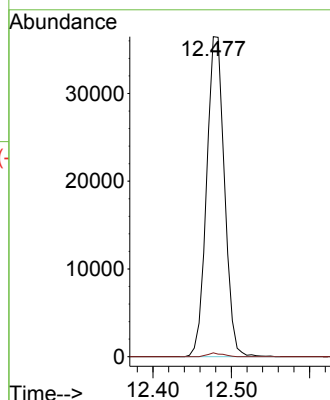
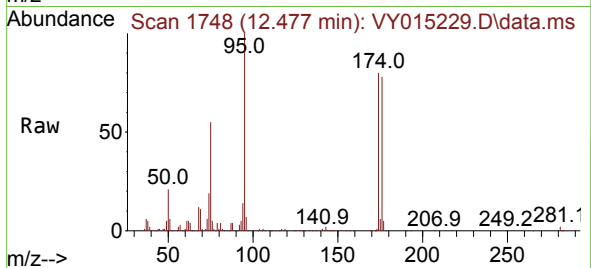
ClientSampleId :

Tgt Ion: 75 Resp: 57621

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.808 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Tgt Ion: 75 Resp: 57621

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

