

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015355.D
 Acq On : 25 Aug 2023 20:12
 Operator : SY/MD
 Sample : 04170-04
 Misc : 2.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:47:59 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)

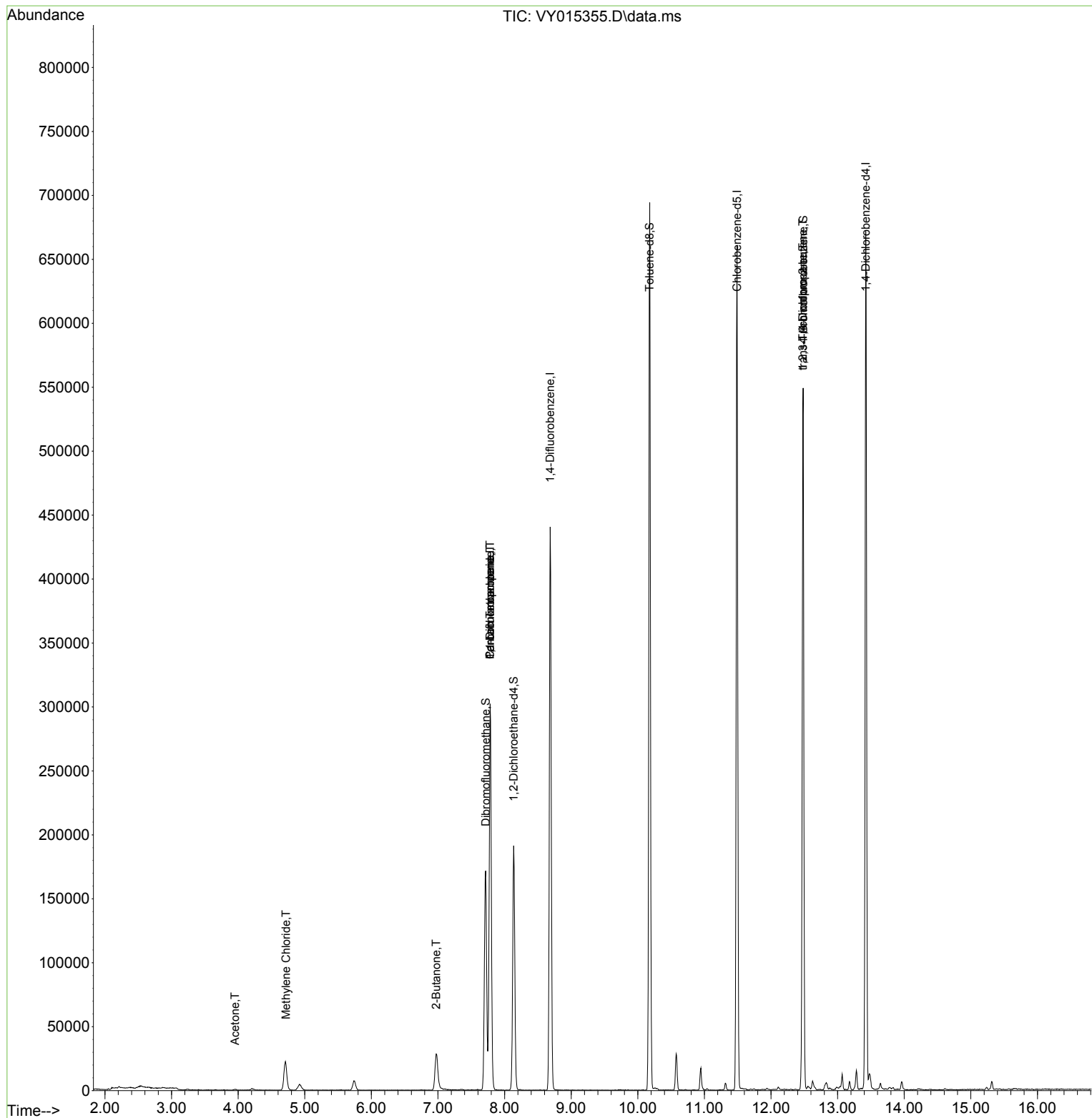
Internal Standards						
1) Pentafluorobenzene	7.783	168	227973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147207	53.792	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.580%	
35) Dibromofluoromethane	7.716	113	120080	49.154	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.300%	
50) Toluene-d8	10.179	98	444909	48.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.483	95	157992	47.566	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35	Below Cal	#	43
3) Chloromethane	2.113	50	229	Below Cal	#	43
5) Bromomethane	2.643	94	122	Below Cal	#	73
11) Tert butyl alcohol	4.923	59	5022	Below Cal	#	89
16) Acetone	3.954	43	1083	1.211	ug/l	90
20) Methylene Chloride	4.716	84	16619	3.758	ug/l #	88
25) 2-Butanone	6.972	43	1633	1.290	ug/l #	72
31) Cyclohexane	7.789	56	4909	Below Cal	#	6
36) 1,1-Dichloropropene	7.783	75	17729	6.560	ug/l #	51
38) Carbon Tetrachloride	7.783	117	23196	7.252	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	86552	41.838	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86552	91.895	ug/l #	11

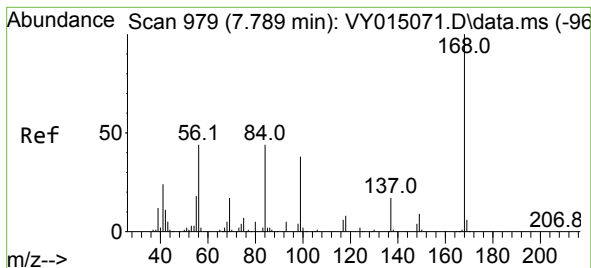
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015355.D

Acq: 25 Aug 2023 20:12

Instrument :

MSVOA_Y

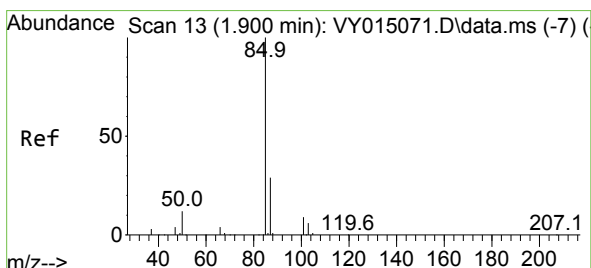
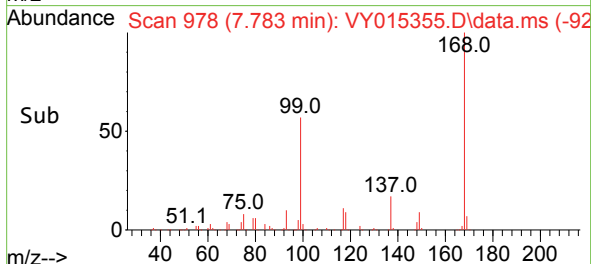
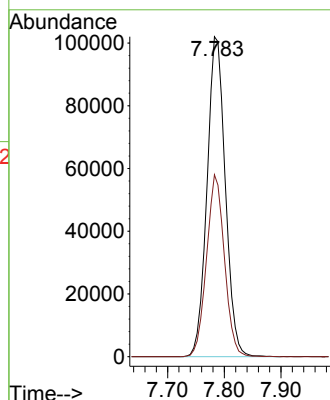
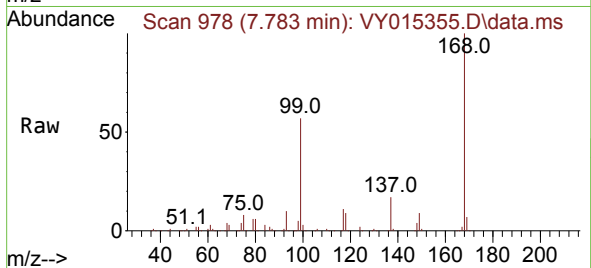
ClientSampleId :

Tgt Ion:168 Resp: 227973

Ion Ratio Lower Upper

168 100

99 56.8 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015355.D

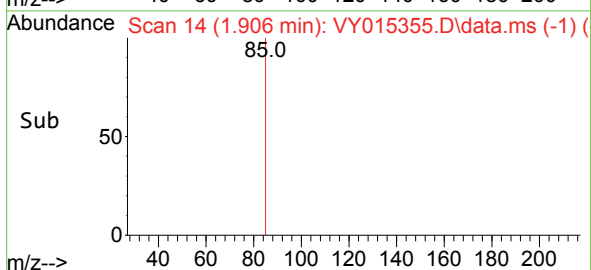
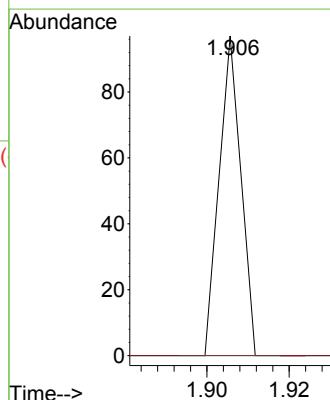
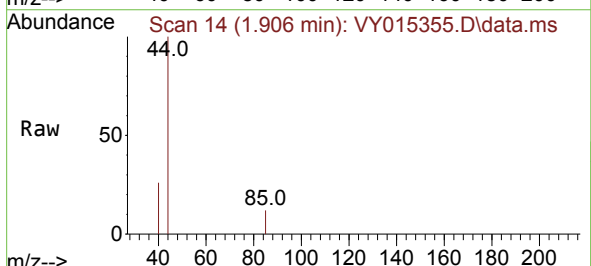
Acq: 25 Aug 2023 20:12

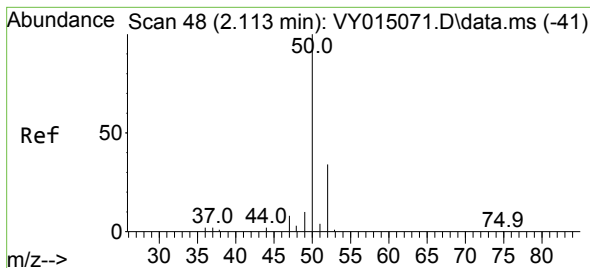
Tgt Ion: 85 Resp: 35

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015355.D

Acq: 25 Aug 2023 20:12

Instrument :

MSVOA_Y

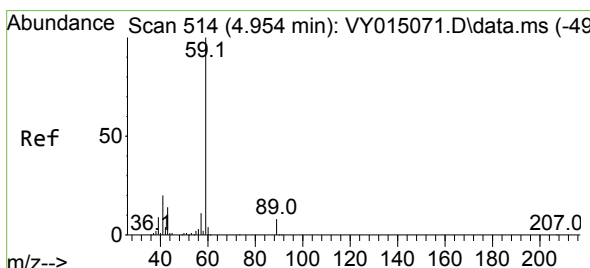
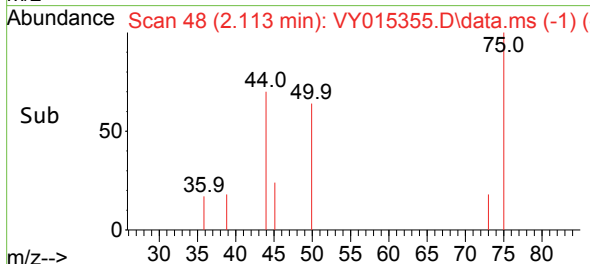
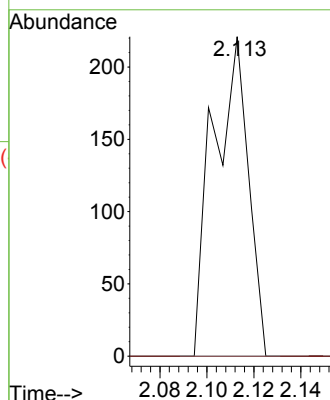
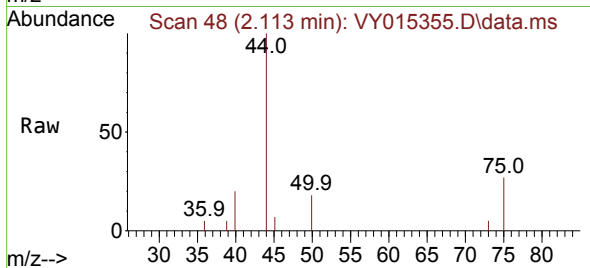
ClientSampleId :

Tgt Ion: 50 Resp: 229

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.923 min Scan# 509

Delta R.T. -0.025 min

Lab File: VY015355.D

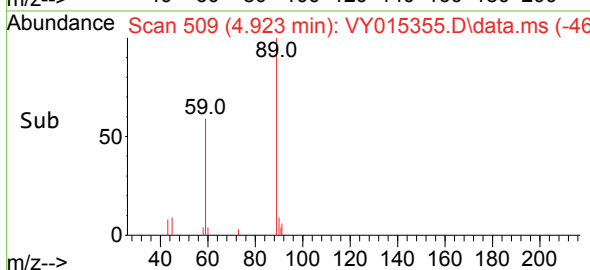
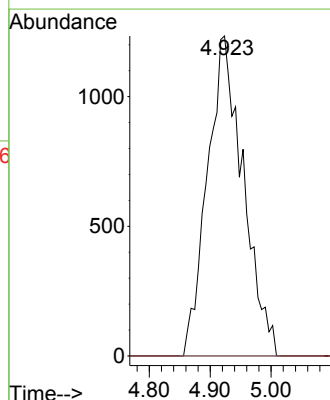
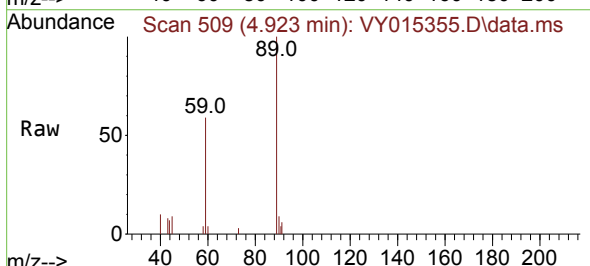
Acq: 25 Aug 2023 20:12

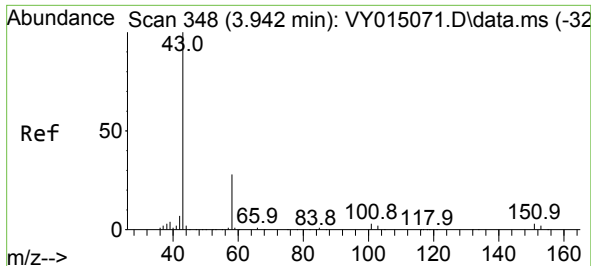
Tgt Ion: 59 Resp: 5022

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

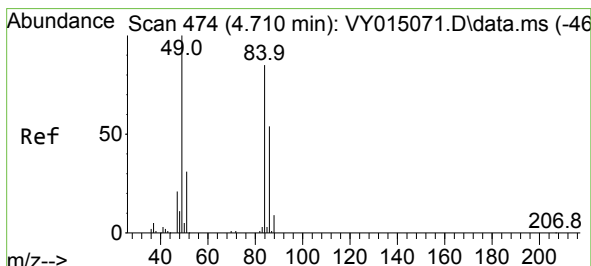
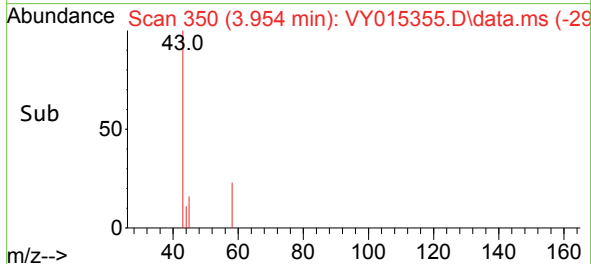
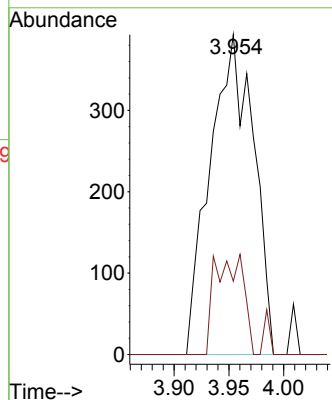
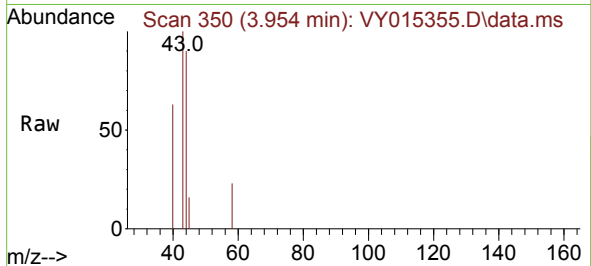




#16
Acetone
Concen: 1.211 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

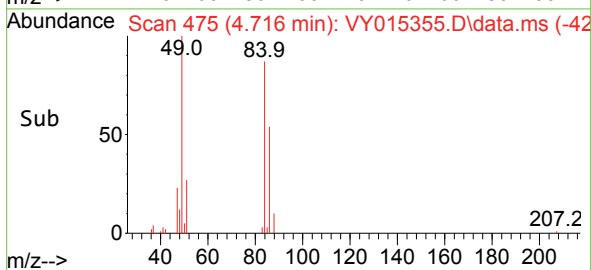
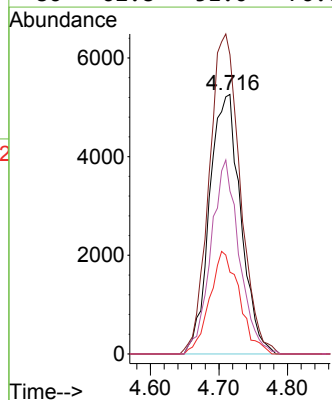
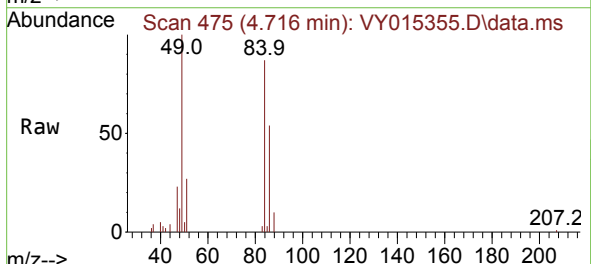
Instrument :
MSVOA_Y
ClientSampleId :

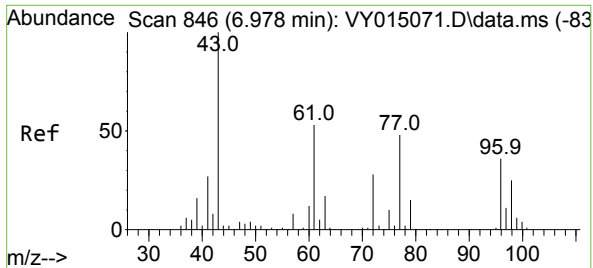
Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 22.9 22.7 34.1



#20
Methylene Chloride
Concen: 3.758 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

Tgt Ion: 84 Resp: 16619
Ion Ratio Lower Upper
84 100
49 115.3 106.9 160.3
51 31.5 33.2 49.8#
86 62.8 51.0 76.6

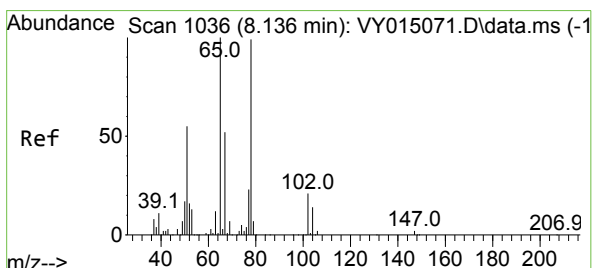
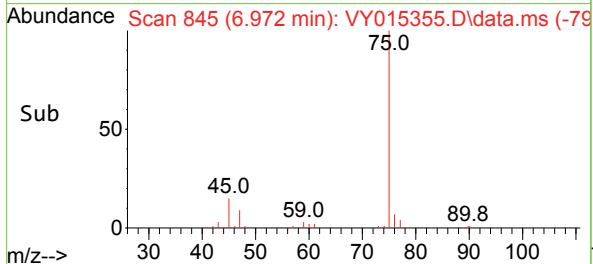
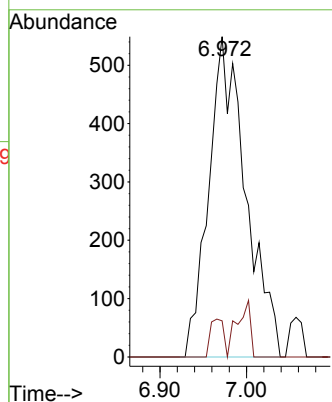
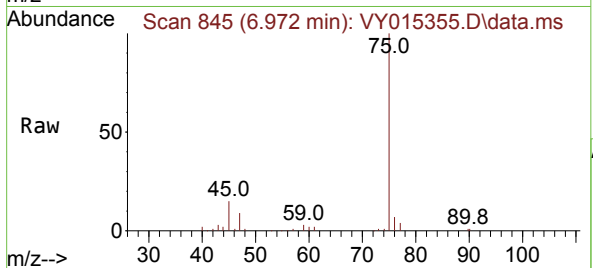




#25
2-Butanone
Concen: 1.290 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

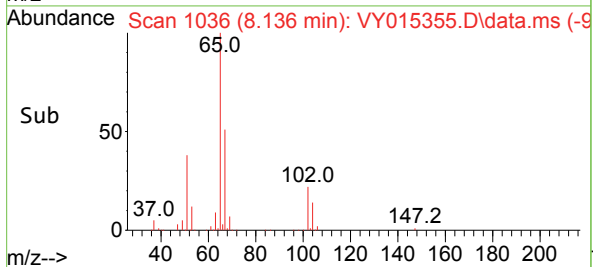
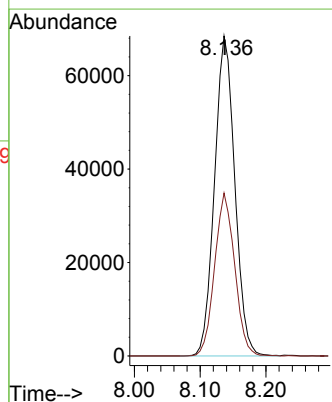
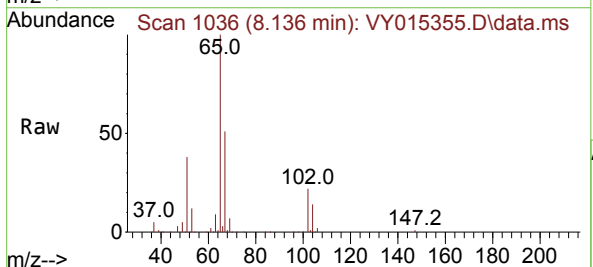
Instrument :
MSVOA_Y
ClientSampleId :

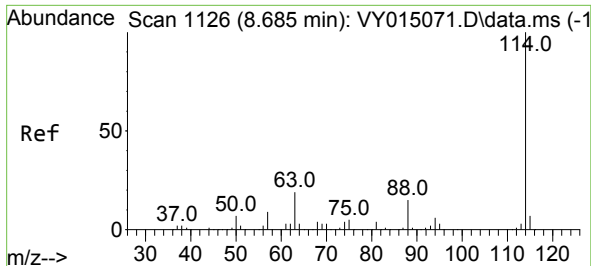
Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
72 11.3 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 53.792 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

Tgt Ion: 65 Resp: 147207
Ion Ratio Lower Upper
65 100
67 50.3 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: VY015355.D

Acq: 25 Aug 2023 20:12

Instrument :

MSVOA_Y

ClientSampleId :

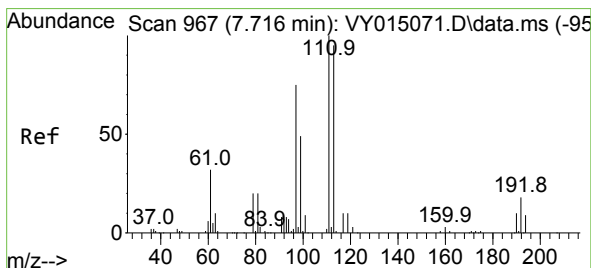
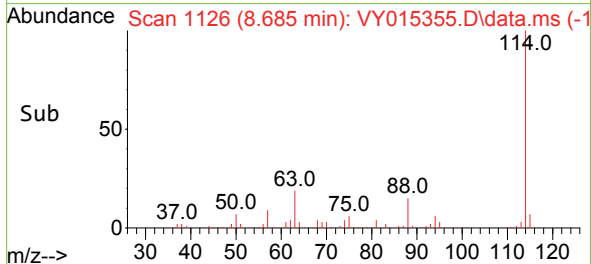
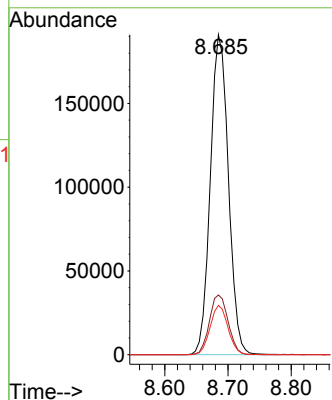
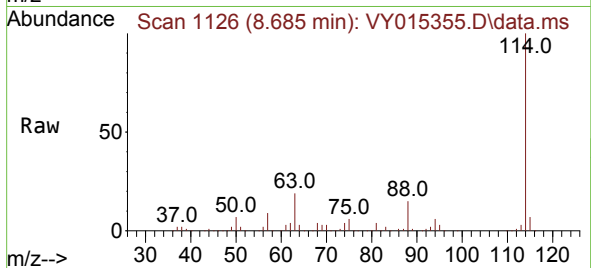
Tgt Ion:114 Resp: 379729

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.154 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015355.D

Acq: 25 Aug 2023 20:12

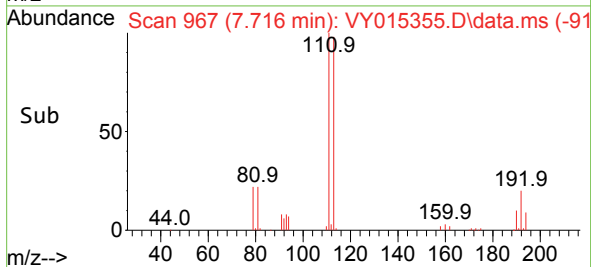
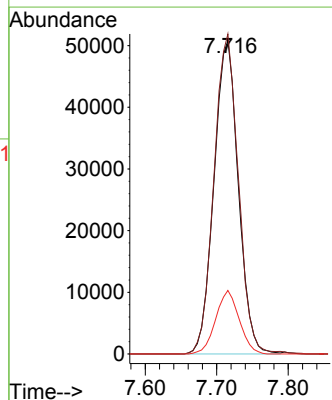
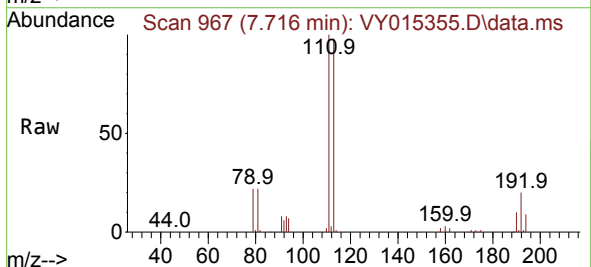
Tgt Ion:113 Resp: 120080

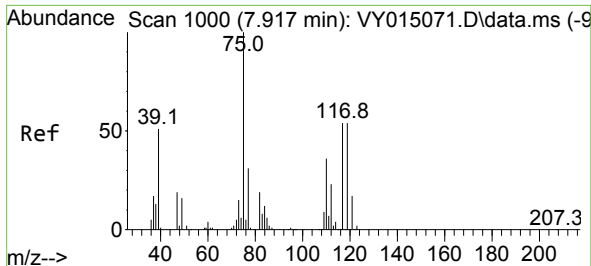
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

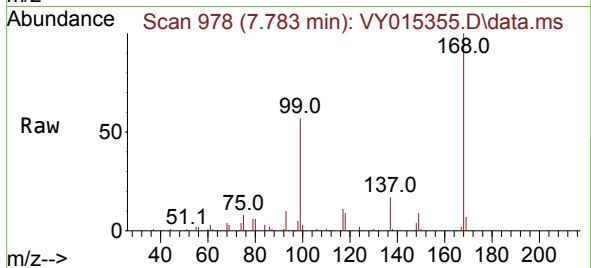
192 19.6 16.9 25.3



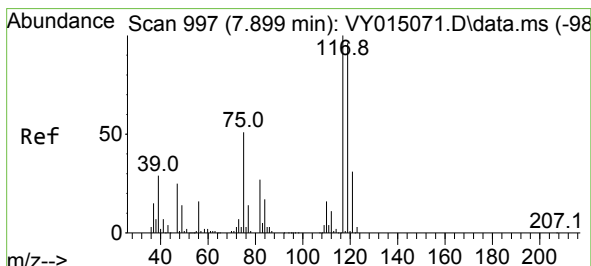
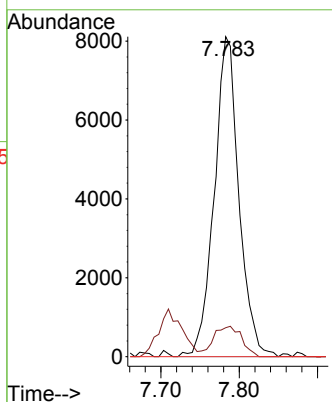
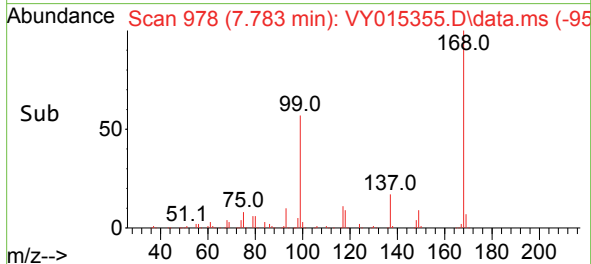


#36
 1,1-Dichloropropene
 Concen: 6.560 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015355.D
 Acq: 25 Aug 2023 20:12

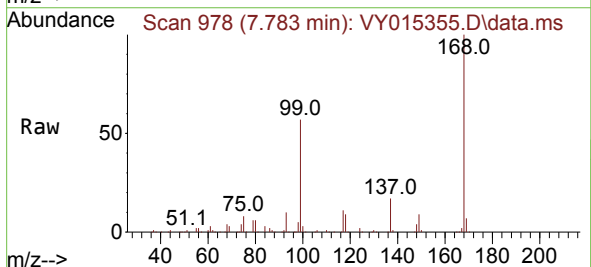
Instrument :
 MSVOA_Y
 ClientSampleId :



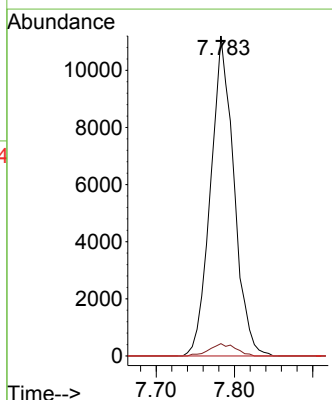
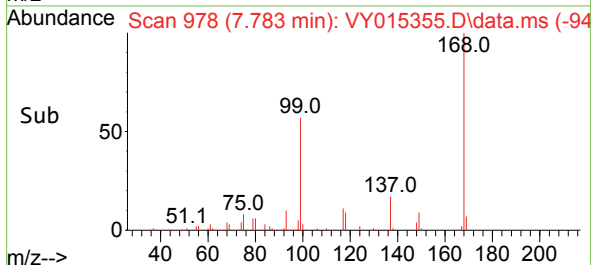
Tgt Ion: 75 Resp: 17729
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.8 53.5#
 77 0.0 24.4 36.6#

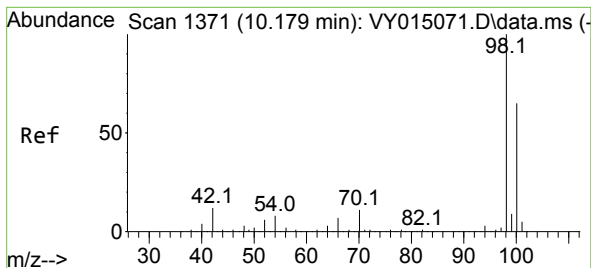


#38
 Carbon Tetrachloride
 Concen: 7.252 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY015355.D
 Acq: 25 Aug 2023 20:12



Tgt Ion: 117 Resp: 23196
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.4 114.6#
 121 0.0 25.8 38.6#

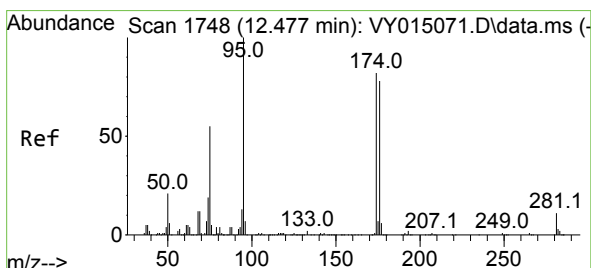
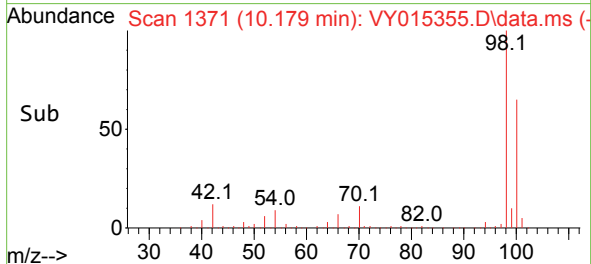
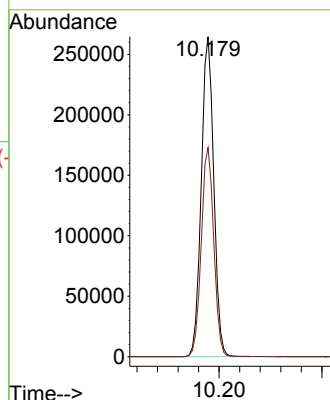
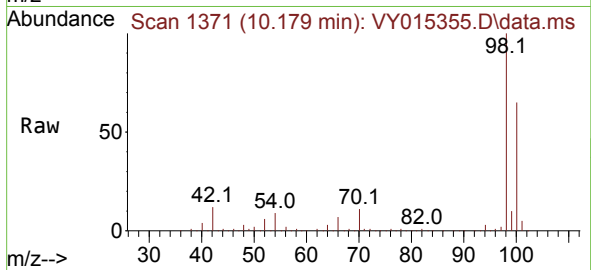




#50
Toluene-d8
Concen: 48.923 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

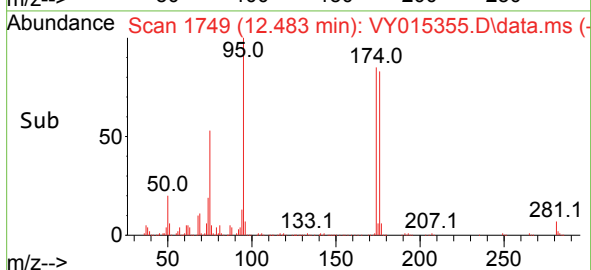
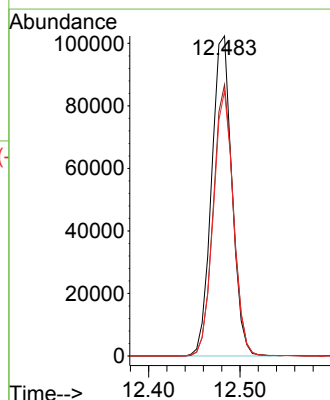
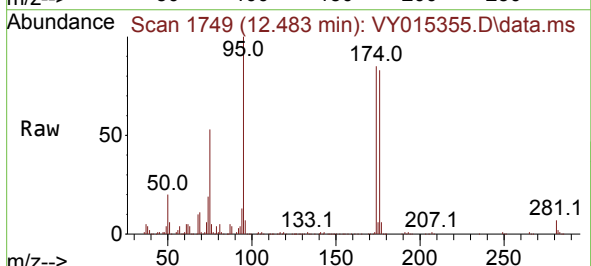
Instrument :
MSVOA_Y
ClientSampleId :

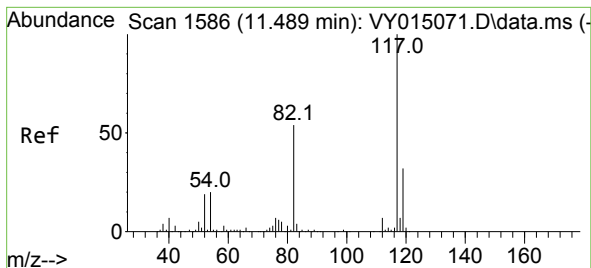
Tgt Ion: 98 Resp: 444909
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.566 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015355.D
Acq: 25 Aug 2023 20:12

Tgt Ion: 95 Resp: 157992
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

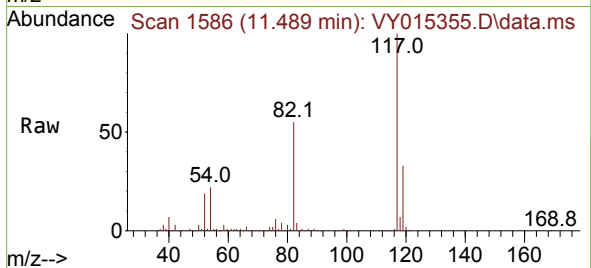
Lab File: VY015355.D

Acq: 25 Aug 2023 20:12

Instrument :

MSVOA_Y

ClientSampleId :



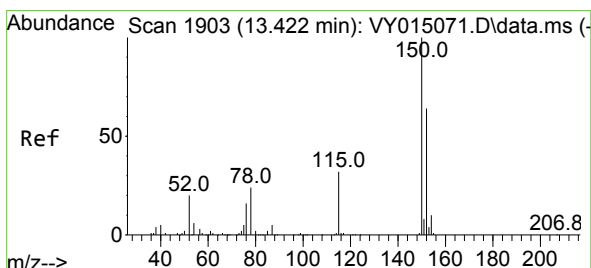
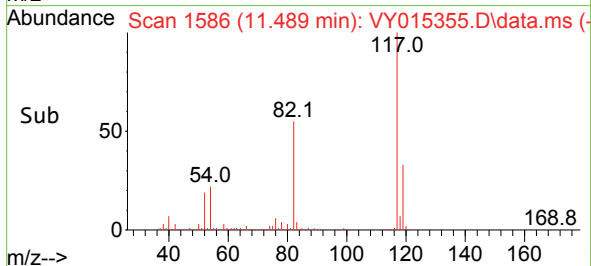
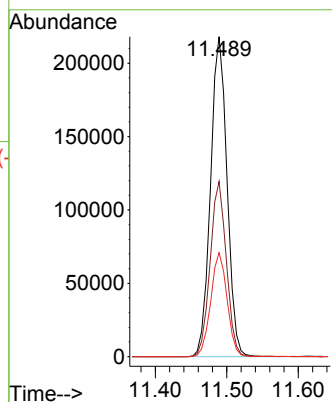
Tgt Ion:117 Resp: 348908

Ion Ratio Lower Upper

117 100

82 54.8 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: VY015355.D

Acq: 25 Aug 2023 20:12

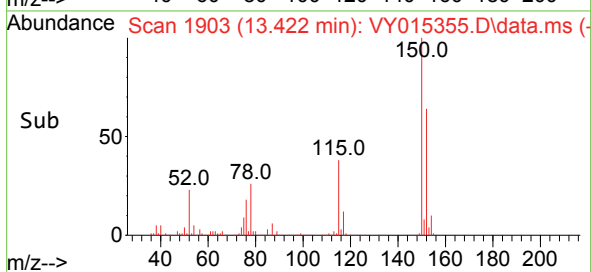
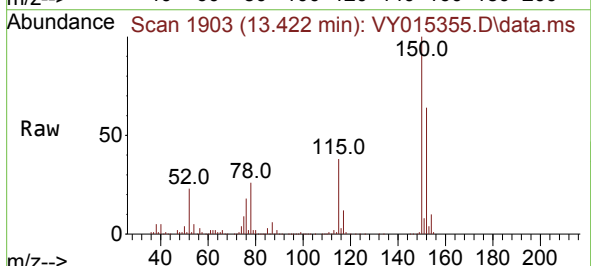
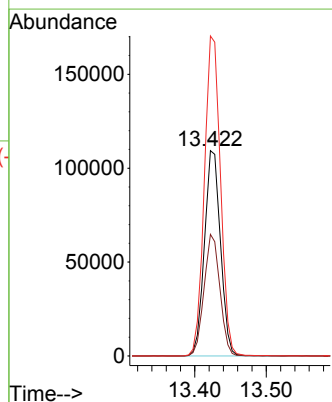
Tgt Ion:152 Resp: 170279

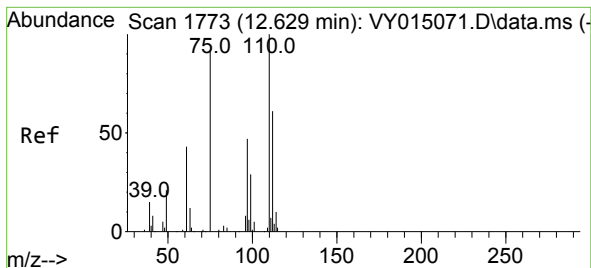
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 157.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.838 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015355.D

Acq: 25 Aug 2023 20:12

Instrument :

MSVOA_Y

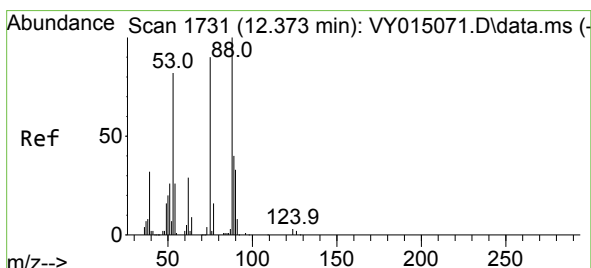
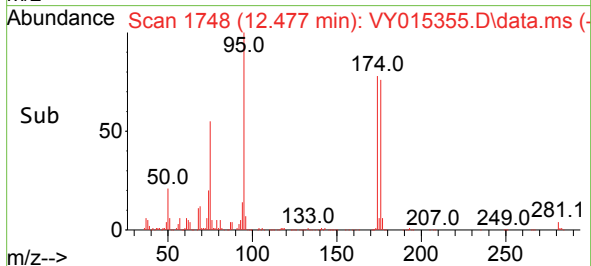
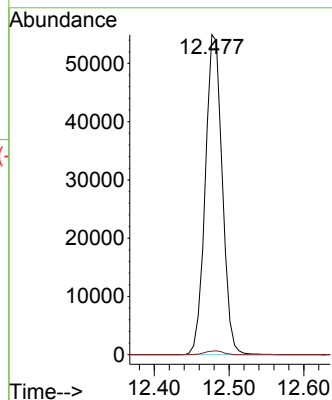
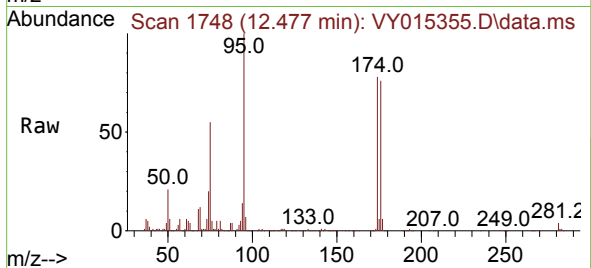
ClientSampleId :

Tgt Ion: 75 Resp: 86552

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.895 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY015355.D

Acq: 25 Aug 2023 20:12

Tgt Ion: 75 Resp: 86552

Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.0 37.4 56.0#

