

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015302.D
 Acq On : 23 Aug 2023 23:38
 Operator : SY/MD
 Sample : 04110-23
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:39:59 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)

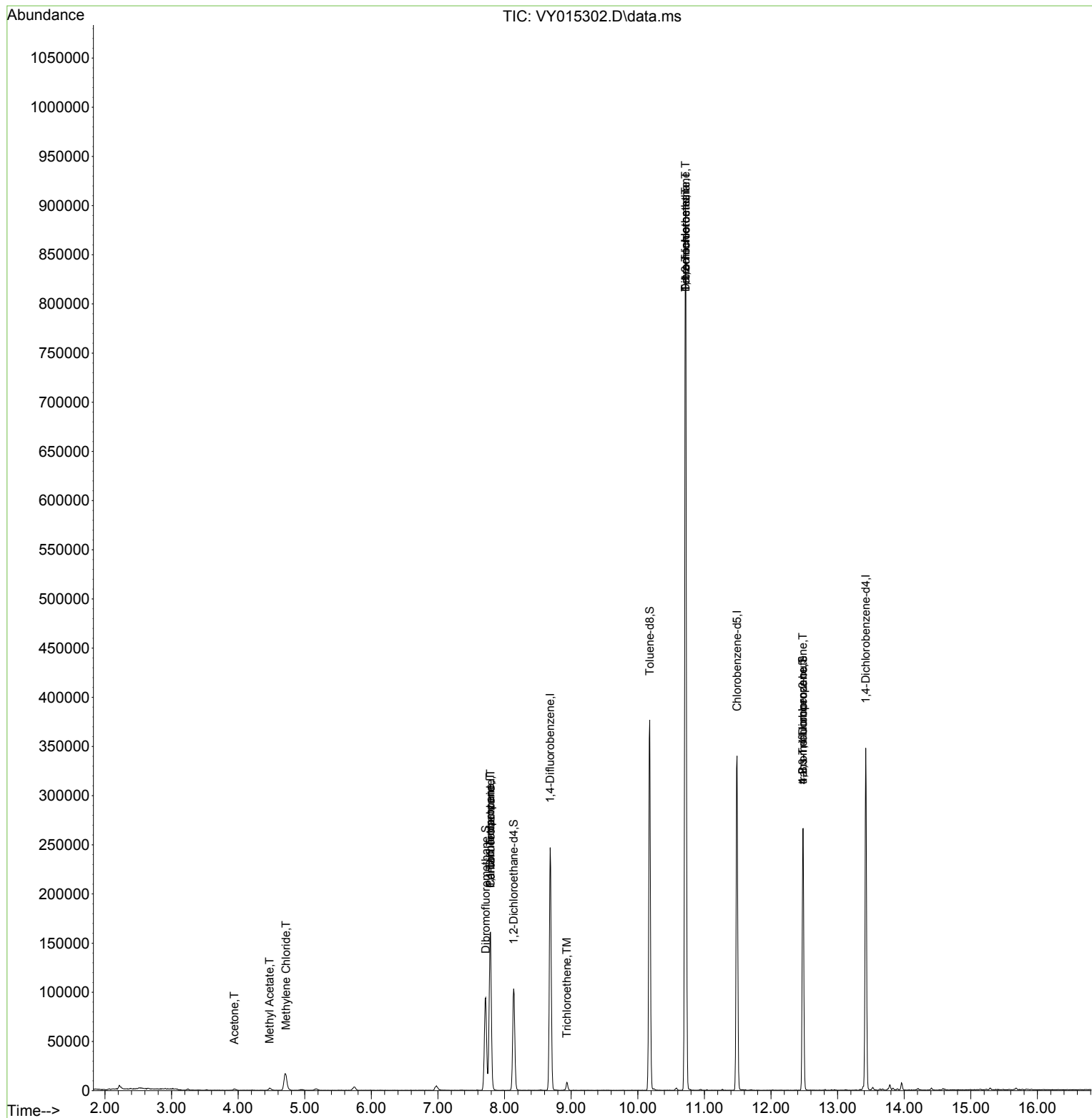
Internal Standards						
1) Pentafluorobenzene	7.789	168	126452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	208681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	186250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	81493	53.687	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.380%			
35) Dibromofluoromethane	7.716	113	66528	49.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.100%			
50) Toluene-d8	10.179	98	245013	49.026	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.477	95	80405	44.049	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	174	Below Cal	#	43
5) Bromomethane	2.650	94	240	Below Cal	#	72
11) Tert butyl alcohol	4.954	59	731	Below Cal	#	89
16) Acetone	3.942	43	2409	4.858	ug/l	93
18) Methyl Acetate	4.473	43	3821	2.103	ug/l	97
20) Methylene Chloride	4.716	84	12987	7.227	ug/l	# 87
31) Cyclohexane	7.783	56	2724	Below Cal	#	9
36) 1,1-Dichloropropene	7.783	75	9793	6.593	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	12725	7.239	ug/l	# 16
44) Trichloroethene	8.935	130	2714	2.098	ug/l	81
55) 1,1,2-Trichloroethane	10.715	97	1825	1.503	ug/l	# 3
60) Dibromochloromethane	10.715	129	168274	116.170	ug/l	# 11
64) Tetrachloroethene	10.715	164	190641	146.918	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	43317	40.516	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	43317	88.992	ug/l	# 10

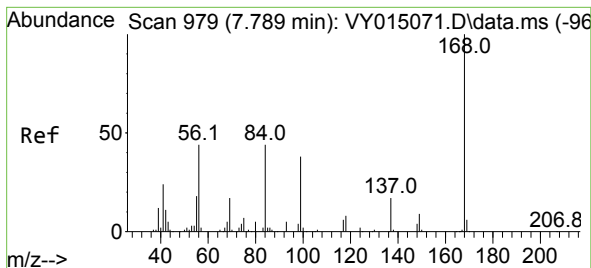
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

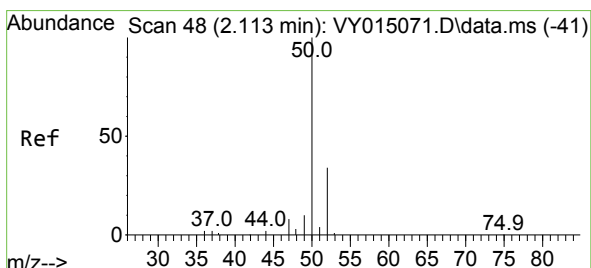
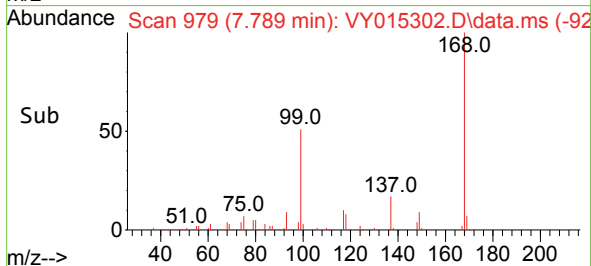
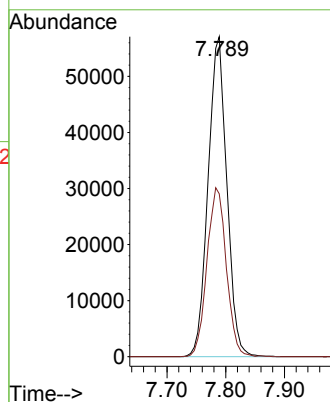
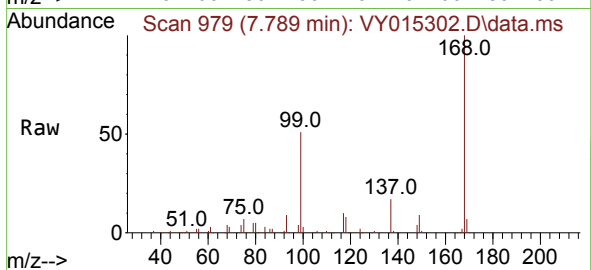
ClientSampleId :

Tgt Ion:168 Resp: 126452

Ion Ratio Lower Upper

168 100

99 50.9 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015302.D

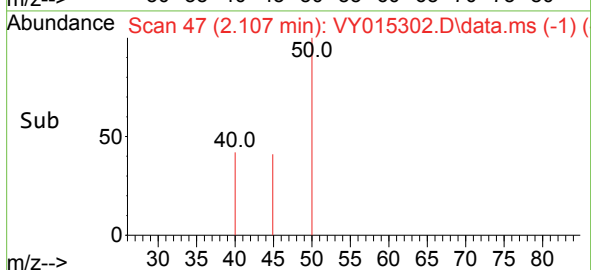
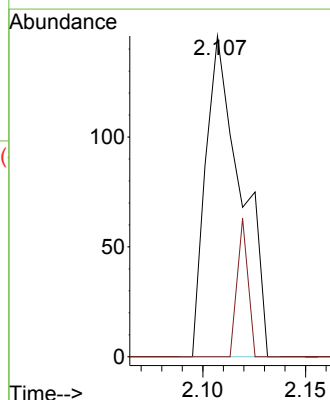
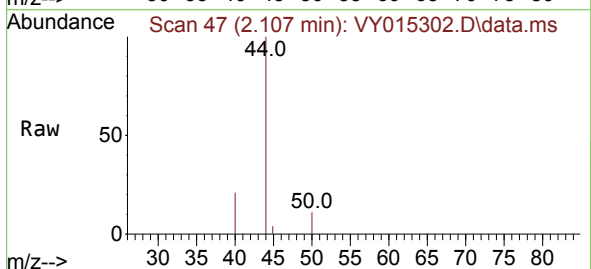
Acq: 23 Aug 2023 23:38

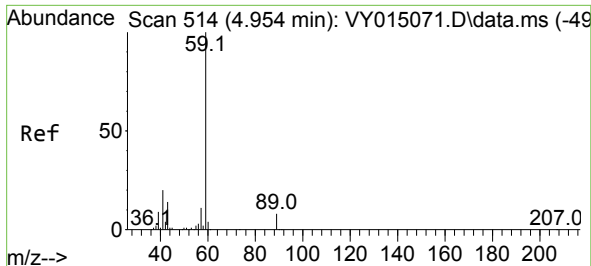
Tgt Ion: 50 Resp: 174

Ion Ratio Lower Upper

50 100

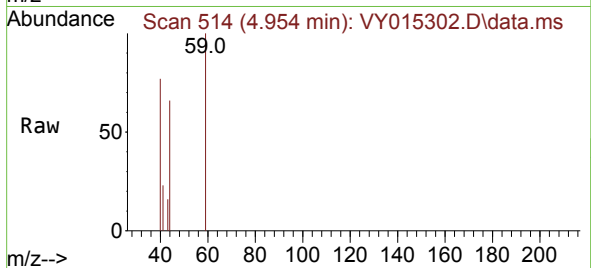
52 0.0 25.4 38.2#



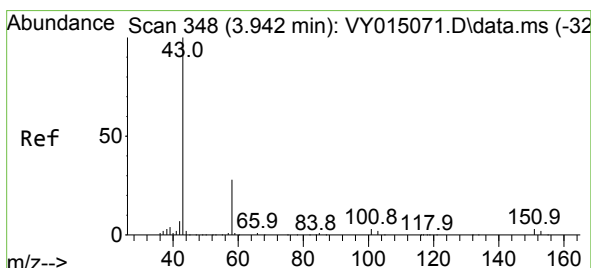
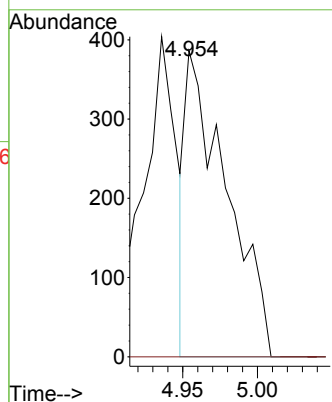
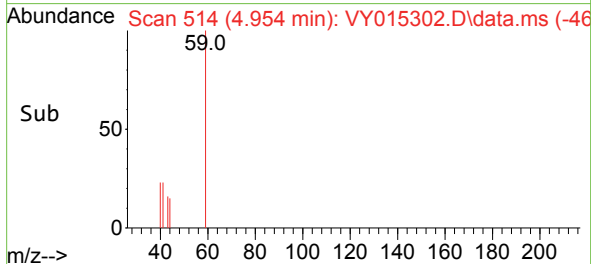


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

Instrument :
MSVOA_Y
ClientSampleId :

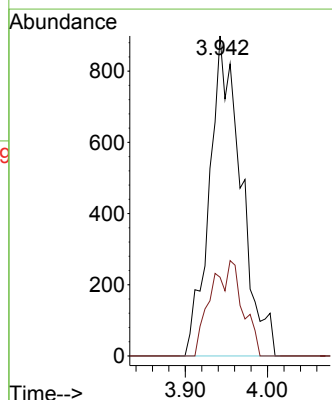
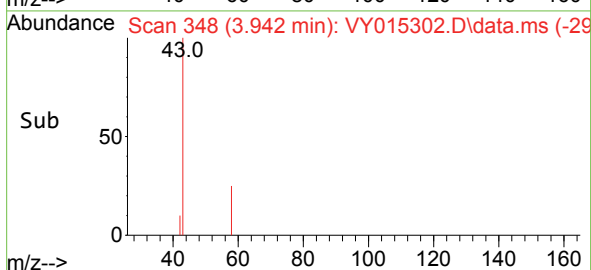
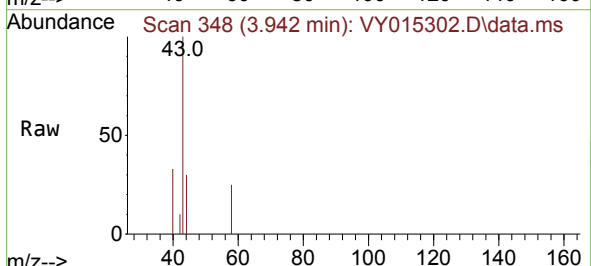


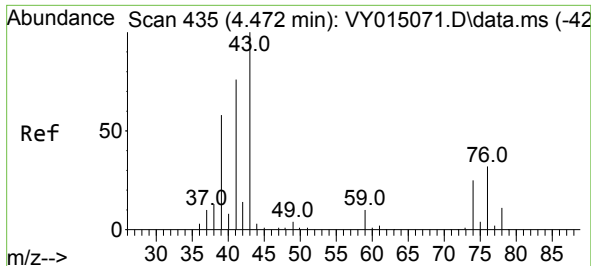
Tgt Ion: 59 Resp: 731
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 4.858 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

Tgt Ion: 43 Resp: 2409
Ion Ratio Lower Upper
43 100
58 24.6 22.7 34.1





#18

Methyl Acetate

Concen: 2.103 ug/l

RT: 4.473 min Scan# 41

Delta R.T. 0.007 min

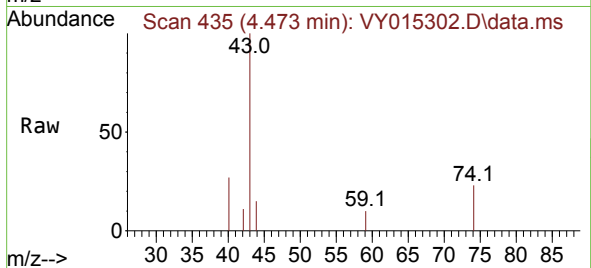
Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :

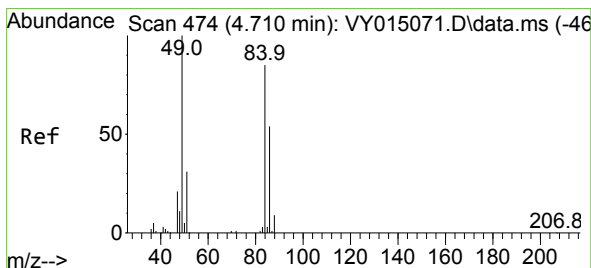
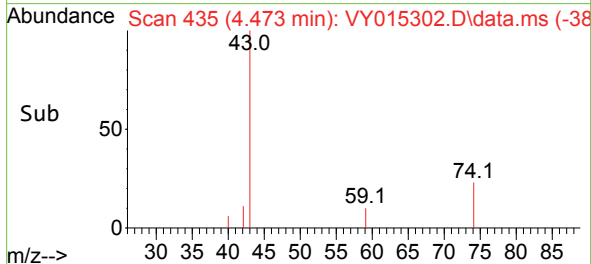
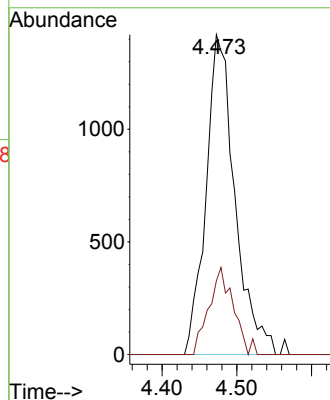


Tgt Ion: 43 Resp: 3821

Ion Ratio Lower Upper

43 100

74 23.1 17.4 26.0



#20

Methylene Chloride

Concen: 7.227 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Tgt Ion: 84 Resp: 12987

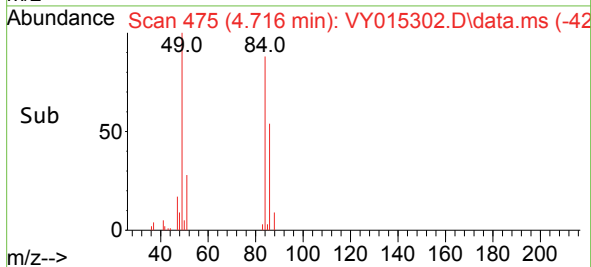
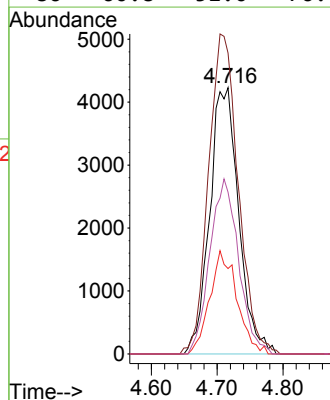
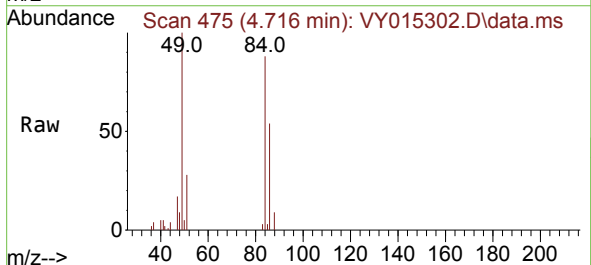
Ion Ratio Lower Upper

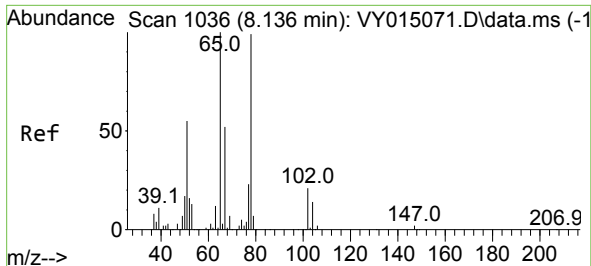
84 100

49 113.1 106.9 160.3

51 32.1 33.2 49.8#

86 60.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 53.687 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.000 min

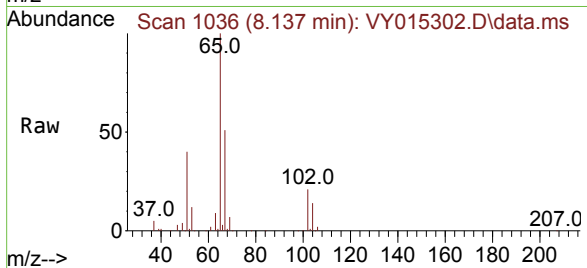
Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :

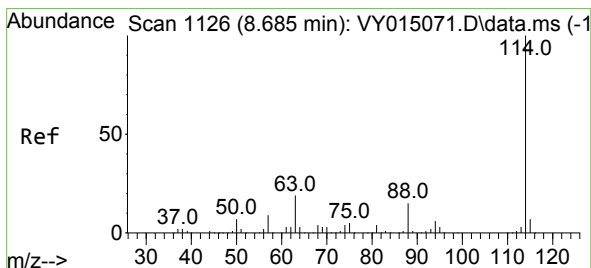
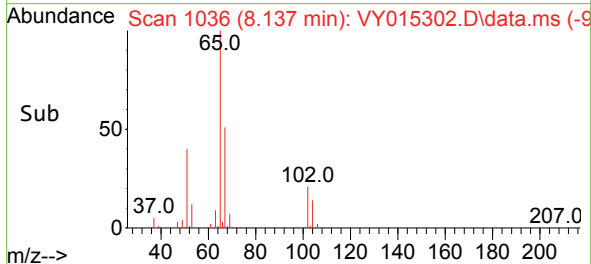
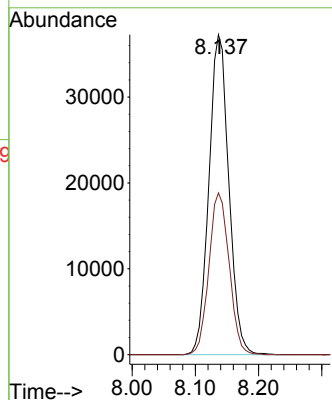


Tgt Ion: 65 Resp: 81493

Ion Ratio Lower Upper

65 100

67 51.4 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: VY015302.D

Acq: 23 Aug 2023 23:38

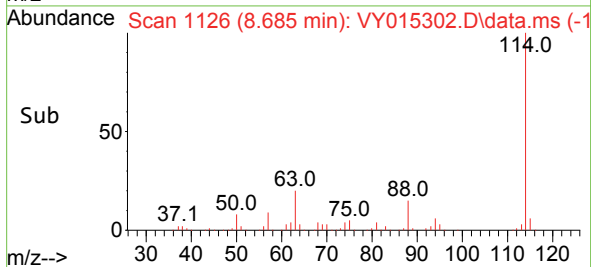
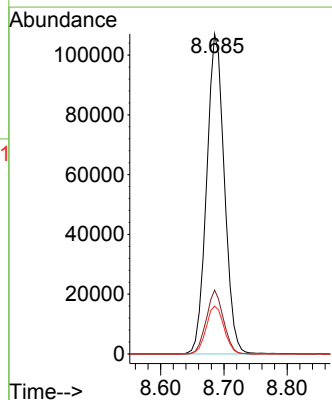
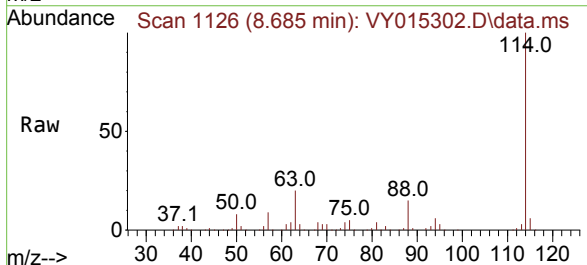
Tgt Ion: 114 Resp: 208681

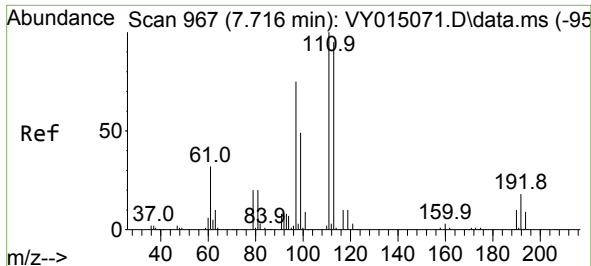
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6

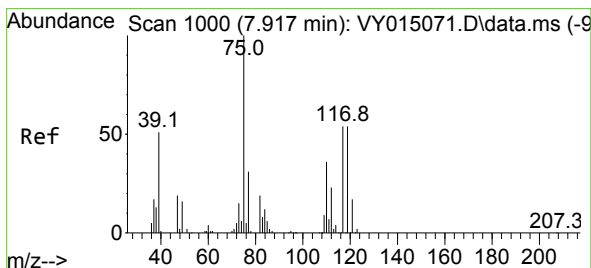
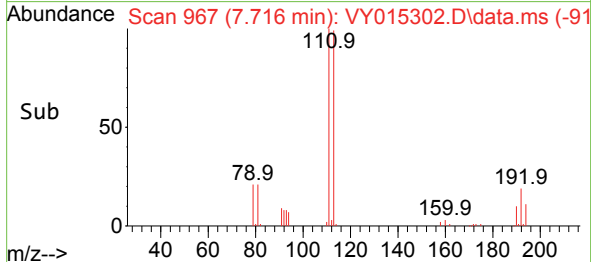
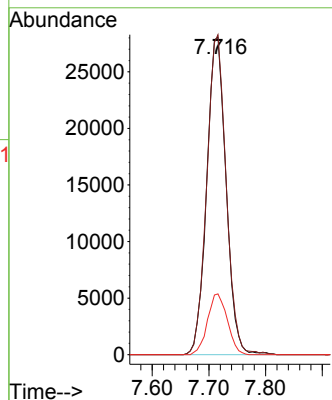
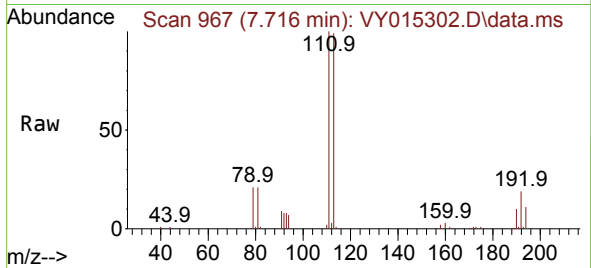




#35
 Dibromofluoromethane
 Concen: 49.555 ug/l
 RT: 7.716 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY015302.D
 Acq: 23 Aug 2023 23:38

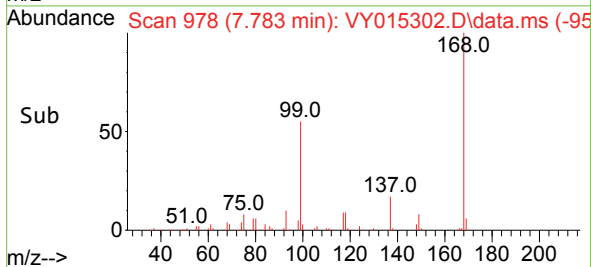
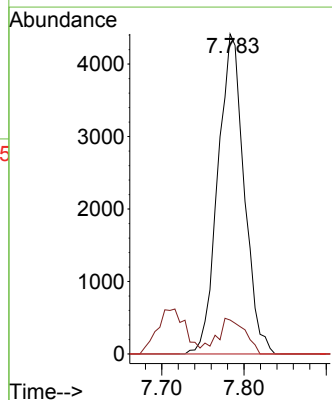
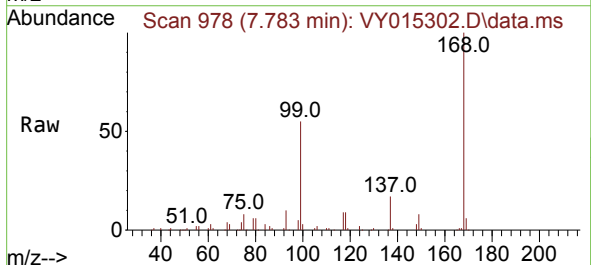
Instrument :
 MSVOA_Y
 ClientSampleId :

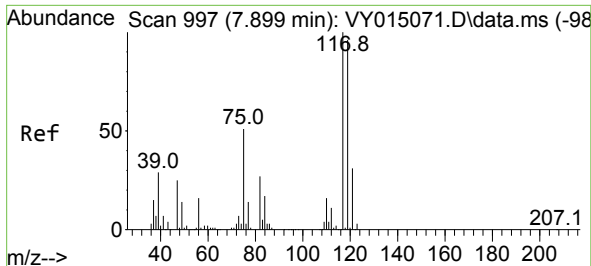
Tgt Ion:113 Resp: 66528
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.3 121.9
 192 19.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 6.593 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015302.D
 Acq: 23 Aug 2023 23:38

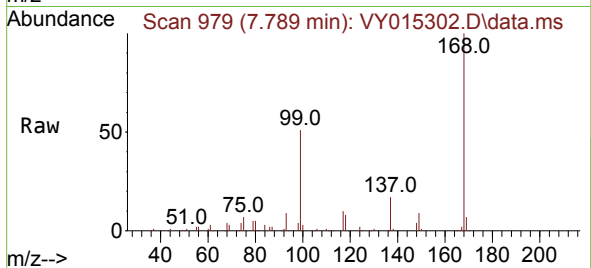
Tgt Ion: 75 Resp: 9793
 Ion Ratio Lower Upper
 75 100
 110 11.7 17.8 53.5#
 77 0.0 24.4 36.6#



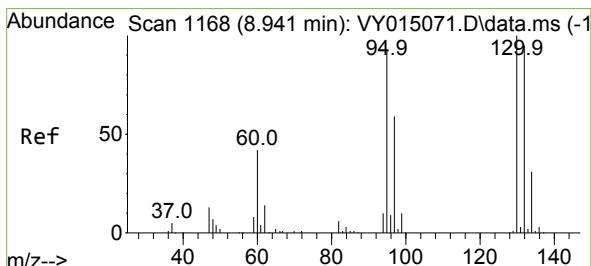
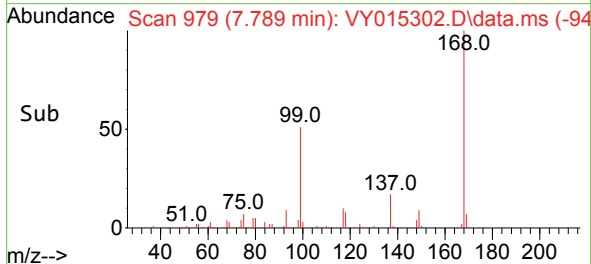
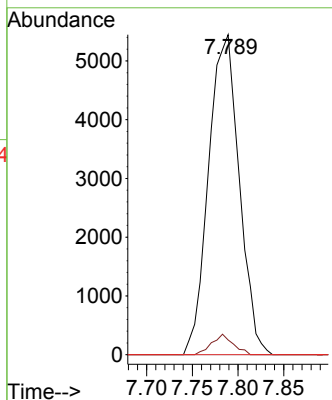


#38
Carbon Tetrachloride
Concen: 7.239 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

Instrument :
MSVOA_Y
ClientSampleId :

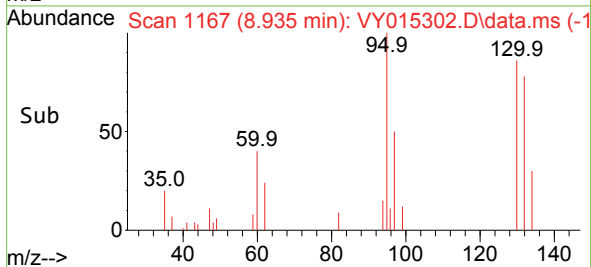
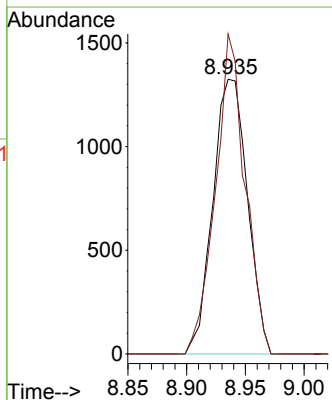
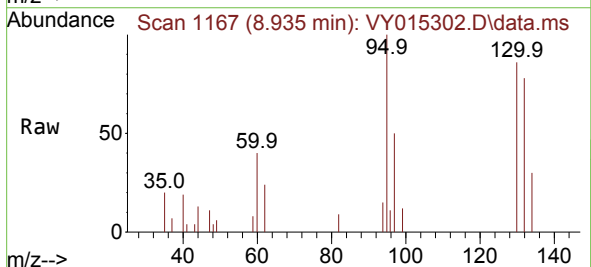


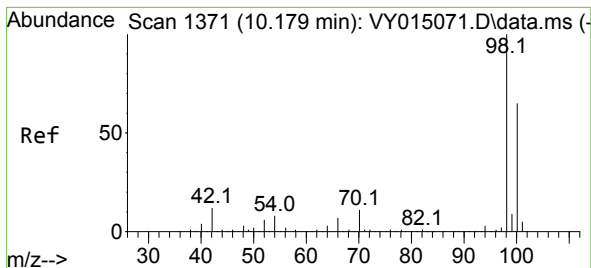
Tgt Ion:117 Resp: 12725
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#



#44
Trichloroethene
Concen: 2.098 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

Tgt Ion:130 Resp: 2714
Ion Ratio Lower Upper
130 100
95 116.5 0.0 196.0





#50

Toluene-d8

Concen: 49.026 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

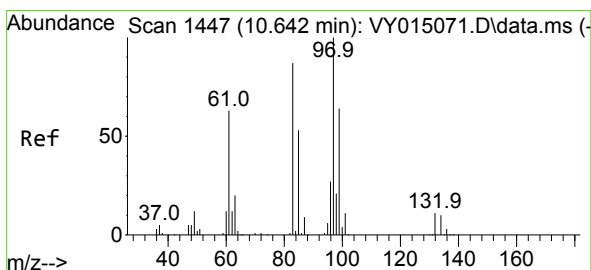
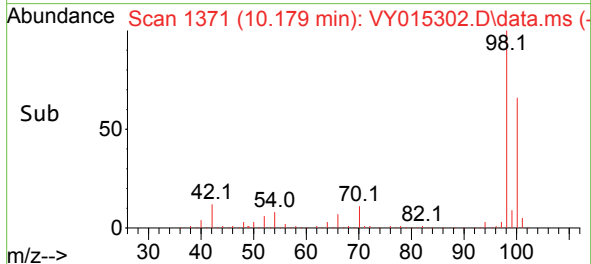
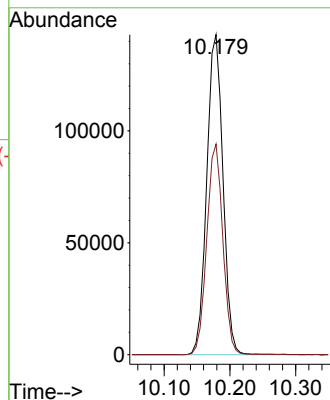
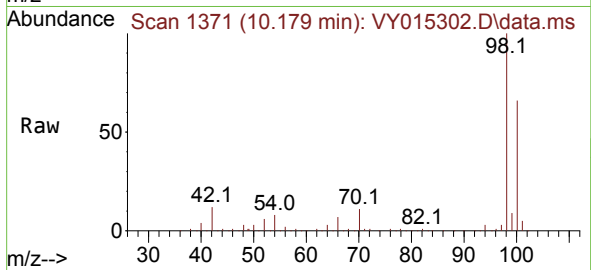
ClientSampleId :

Tgt Ion: 98 Resp: 245013

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1



#55

1,1,2-Trichloroethane

Concen: 1.503 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.073 min

Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Tgt Ion: 97 Resp: 1825

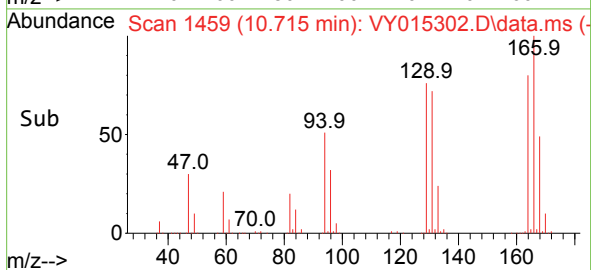
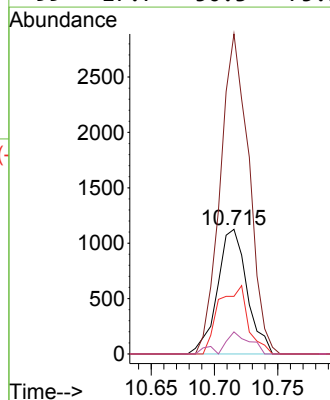
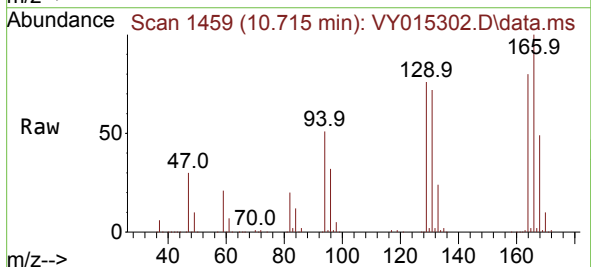
Ion Ratio Lower Upper

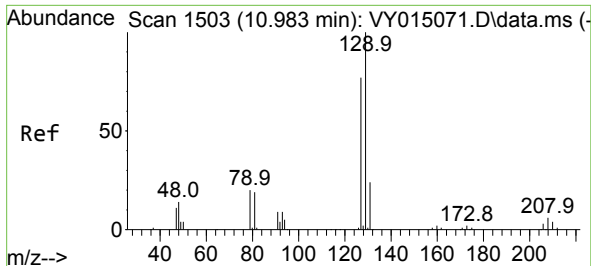
97 100

83 256.8 72.0 108.0#

85 46.2 45.4 68.0

99 17.7 50.3 75.5#

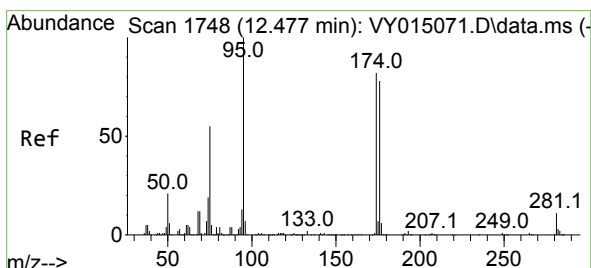
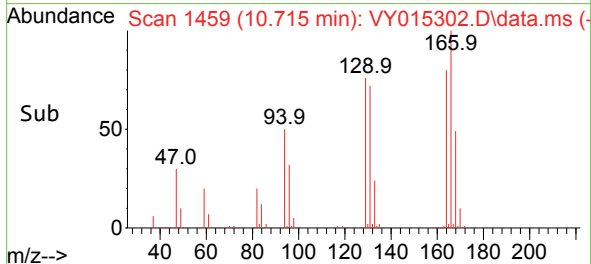
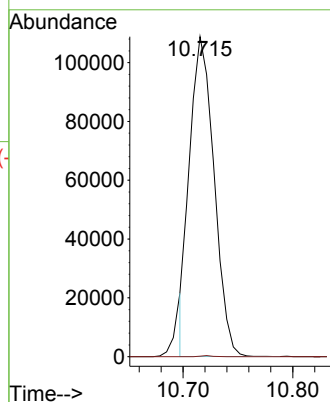
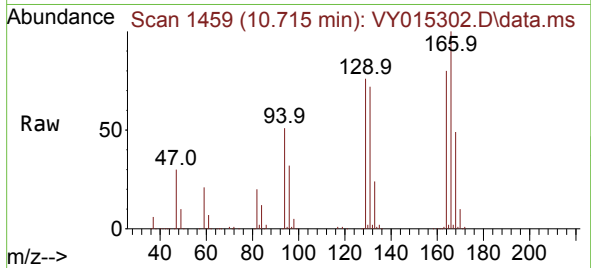




#60
Dibromochloromethane
Concen: 116.170 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.268 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

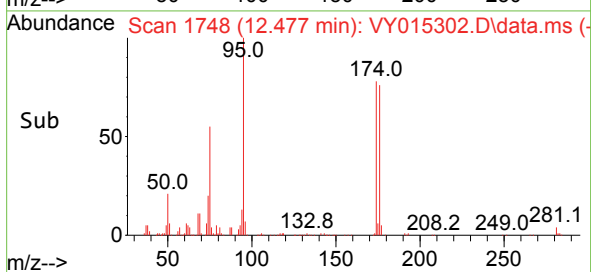
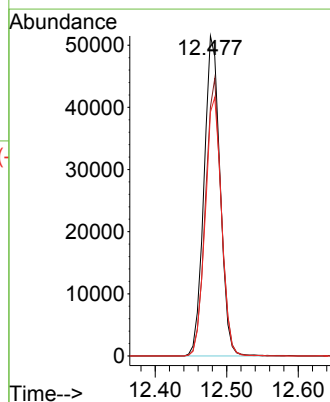
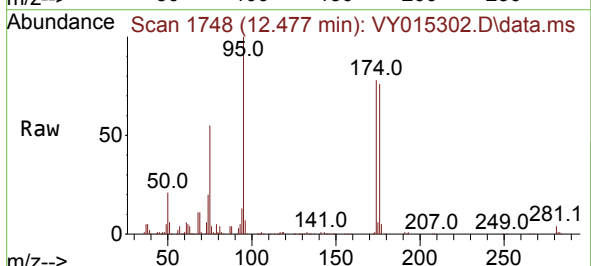
Instrument :
MSVOA_Y
ClientSampleId :

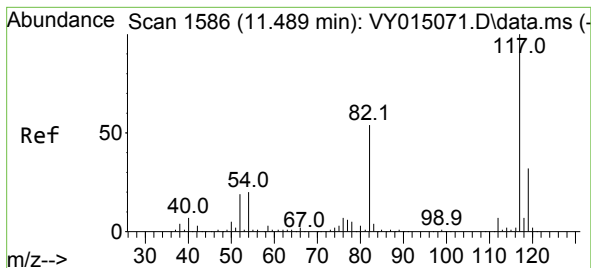
Tgt Ion:129 Resp: 168274
Ion Ratio Lower Upper
129 100
127 0.2 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 44.049 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015302.D
Acq: 23 Aug 2023 23:38

Tgt Ion: 95 Resp: 80405
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

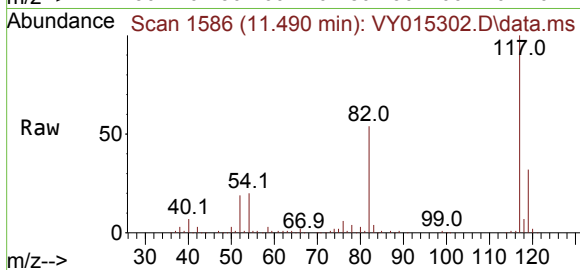
Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :



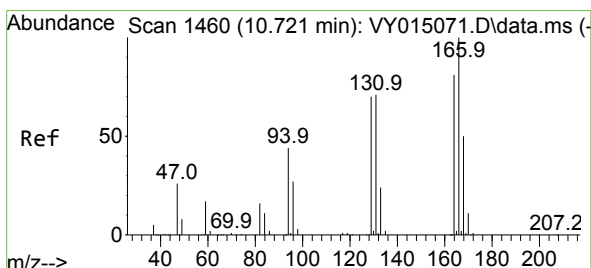
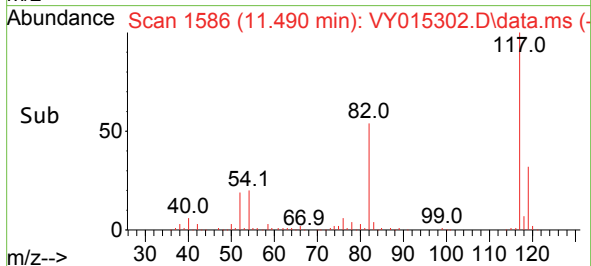
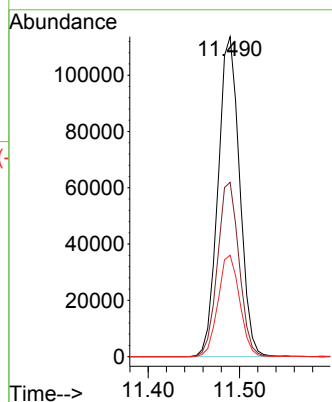
Tgt Ion:117 Resp: 186250

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 31.7 26.3 39.5



#64

Tetrachloroethene

Concen: 146.918 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY015302.D

Acq: 23 Aug 2023 23:38

Tgt Ion:164 Resp: 190641

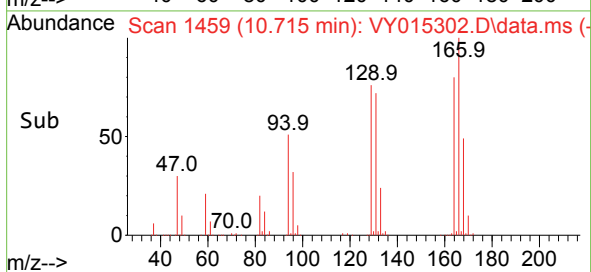
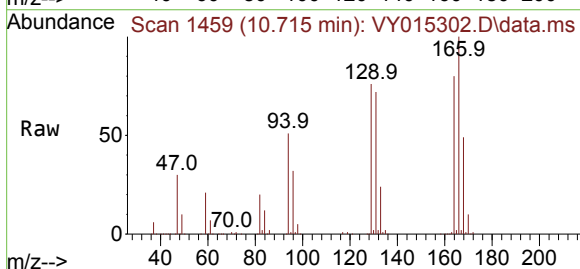
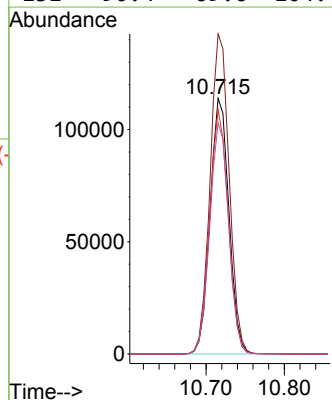
Ion Ratio Lower Upper

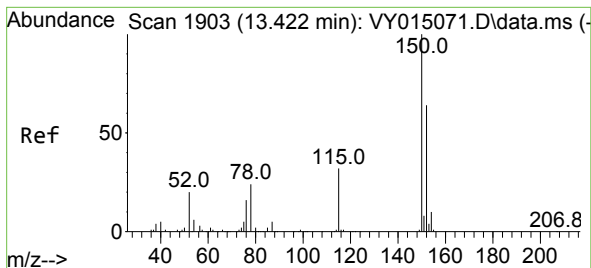
164 100

166 125.3 103.0 154.6

129 95.6 77.2 115.8

131 90.4 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: VY015302.D

Acq: 23 Aug 2023 23:38

Instrument :

MSVOA_Y

ClientSampleId :

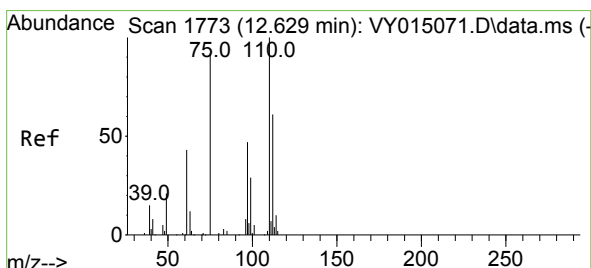
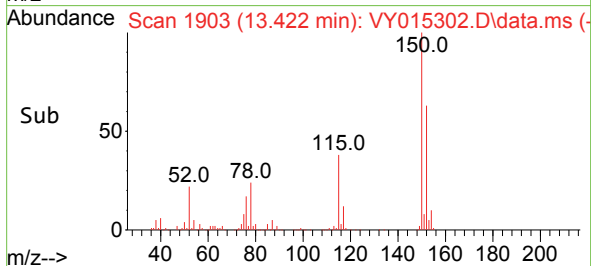
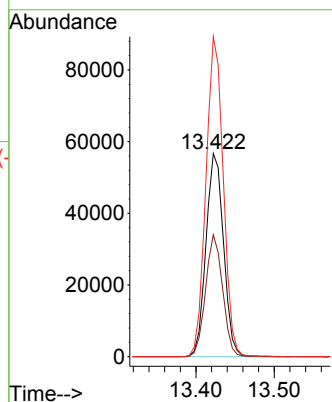
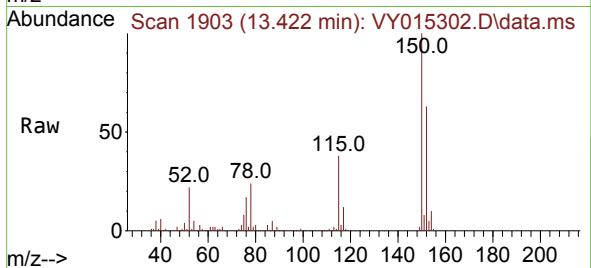
Tgt Ion:152 Resp: 88001

Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 155.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.516 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015302.D

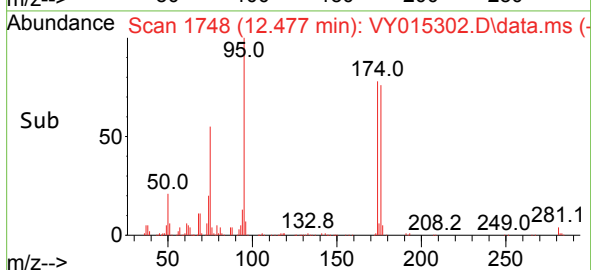
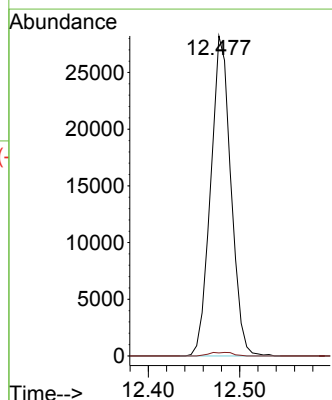
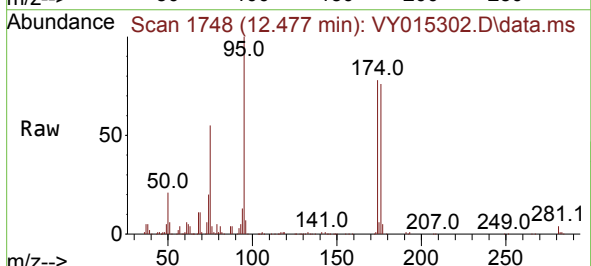
Acq: 23 Aug 2023 23:38

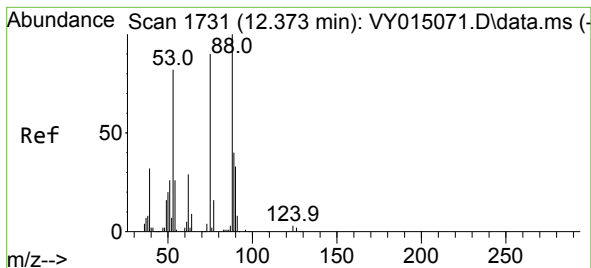
Tgt Ion: 75 Resp: 43317

Ion Ratio Lower Upper

75 100

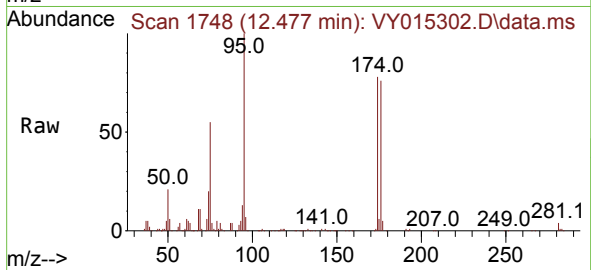
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.992 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015302.D
 Acq: 23 Aug 2023 23:38

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 43317
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

