

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015109.D
 Acq On : 15 Aug 2023 17:29
 Operator : SY/MD
 Sample : 04011-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:07:16 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)

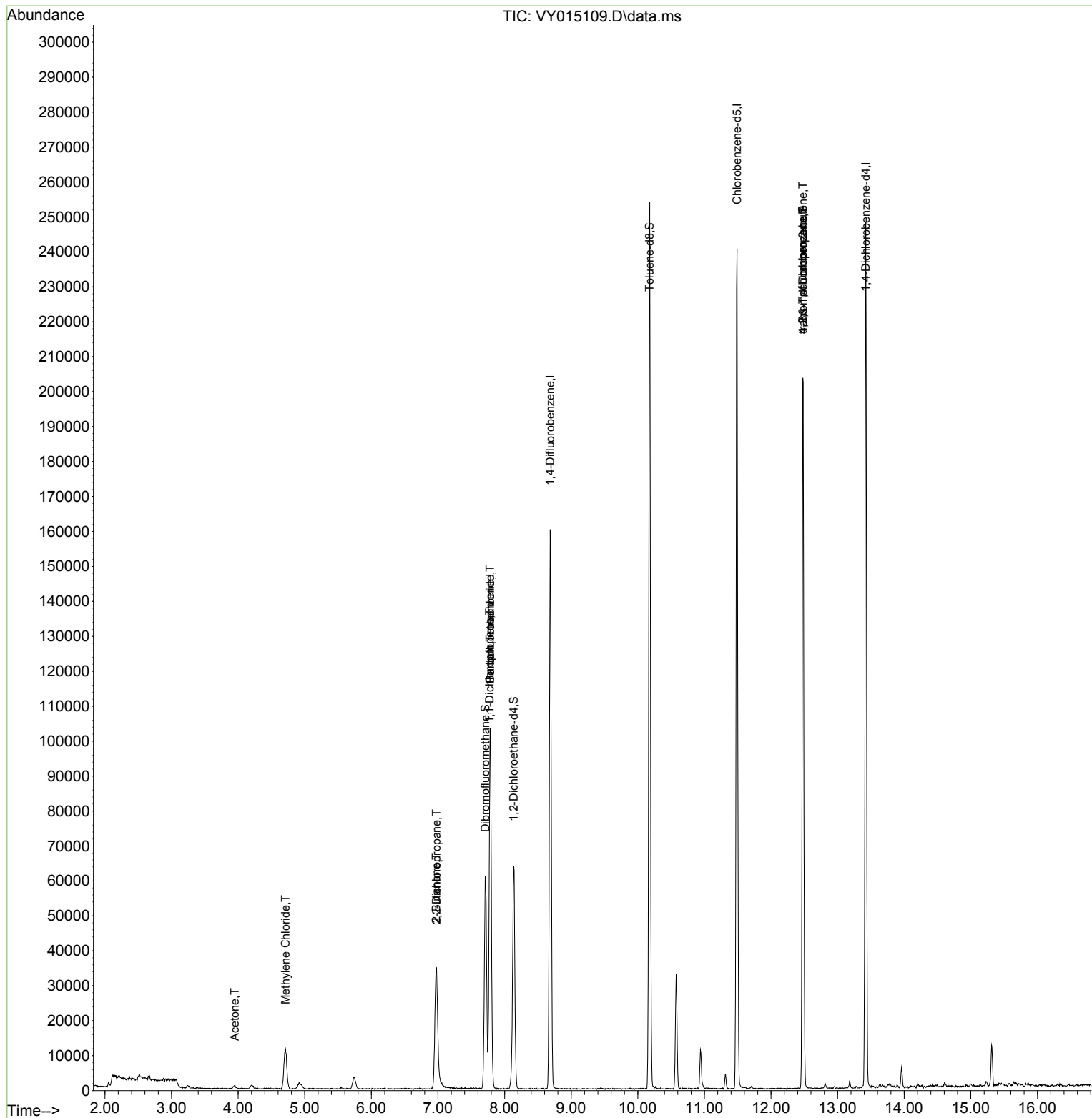
Internal Standards						
1) Pentafluorobenzene	7.783	168	81666	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	137485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	130823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	49064	50.049	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.100%	
35) Dibromofluoromethane	7.710	113	43381	49.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.100%	
50) Toluene-d8	10.179	98	164199	49.869	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.740%	
62) 4-Bromofluorobenzene	12.477	95	59186	49.215	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	288	Below Cal	#	73
5) Bromomethane	2.662	94	349	Below Cal	#	76
11) Tert butyl alcohol	4.917	59	1601	Below Cal	#	89
16) Acetone	3.948	43	1607	5.018	ug/l	100
20) Methylene Chloride	4.710	84	8905	7.965	ug/l	92
25) 2-Butanone	6.972	43	2091	4.611	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	2975	2.267	ug/l #	54
31) Cyclohexane	7.777	56	1701	Below Cal	#	14
36) 1,1-Dichloropropene	7.777	75	6529	6.672	ug/l #	50
38) Carbon Tetrachloride	7.783	117	8194	7.076	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	32222	42.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32222	92.258	ug/l #	11

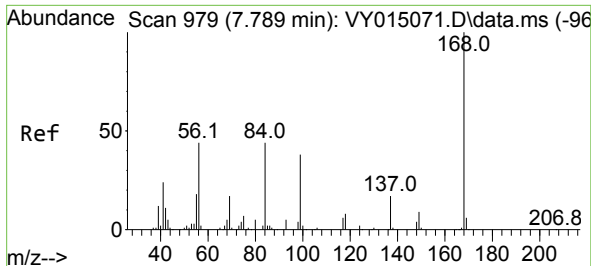
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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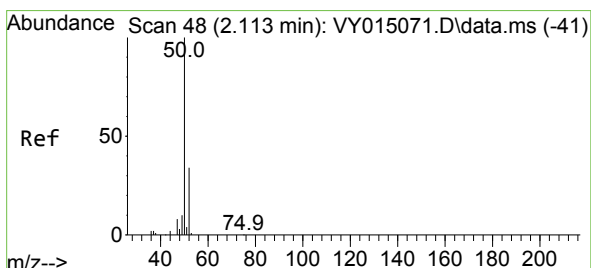
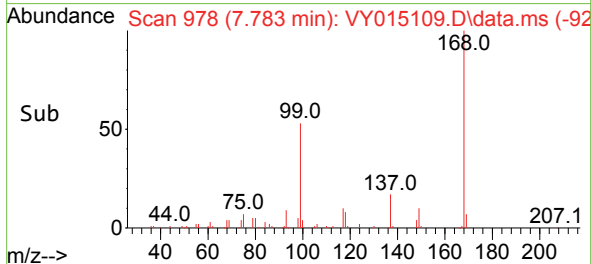
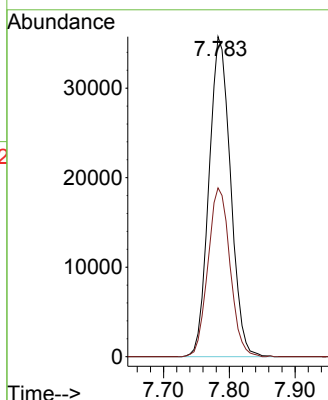
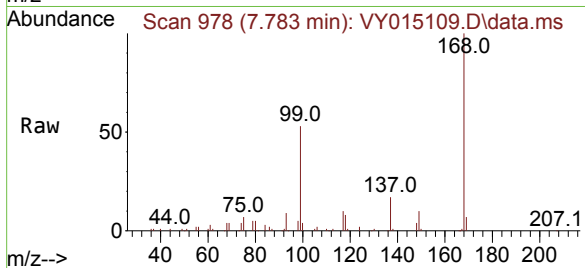




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

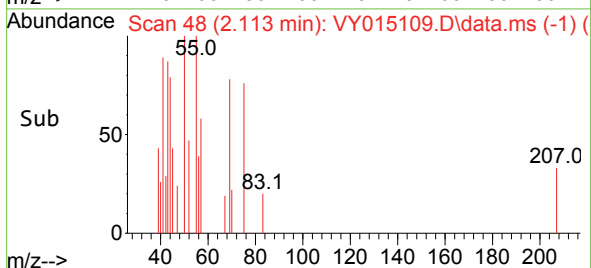
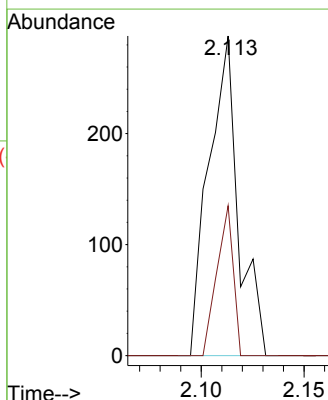
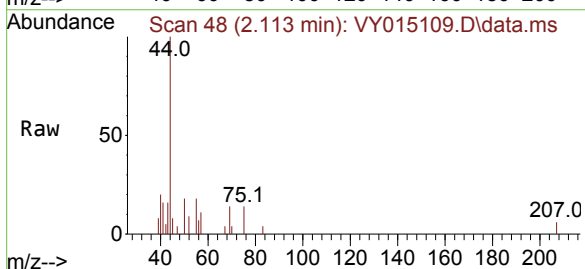
Instrument :
MSVOA_Y
ClientSampleId :

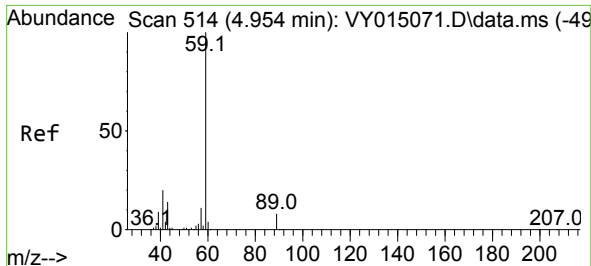
Tgt Ion:168 Resp: 81666
Ion Ratio Lower Upper
168 100
99 52.8 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion: 50 Resp: 288
Ion Ratio Lower Upper
50 100
52 46.9 25.4 38.2#

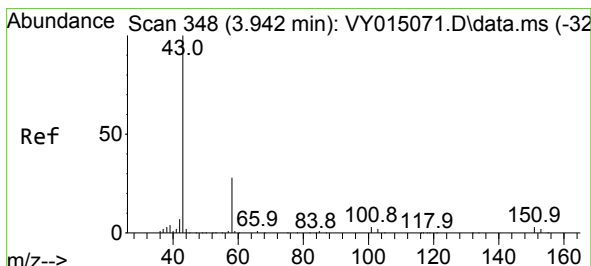
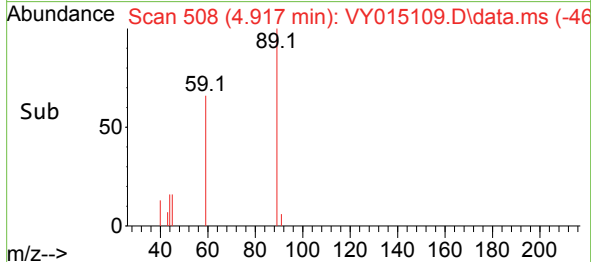
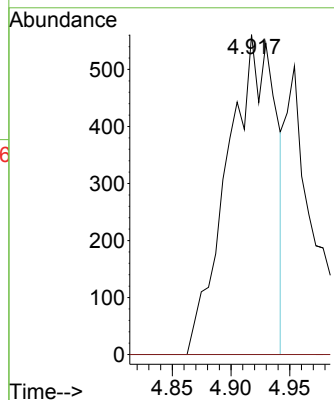
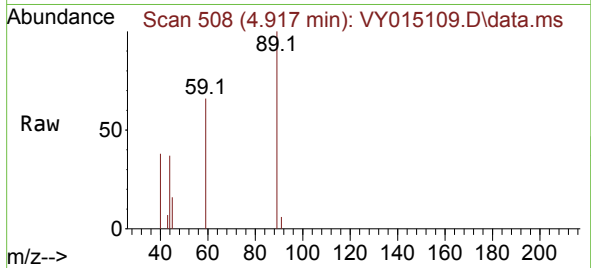




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

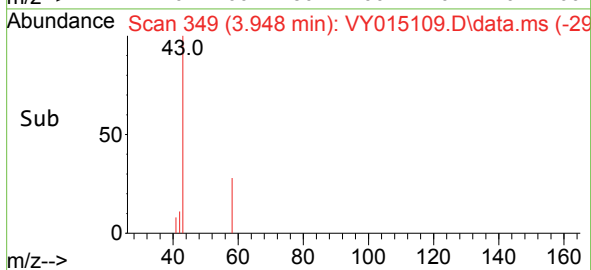
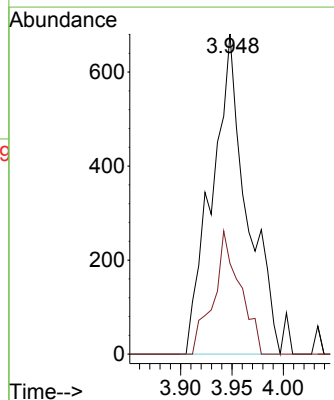
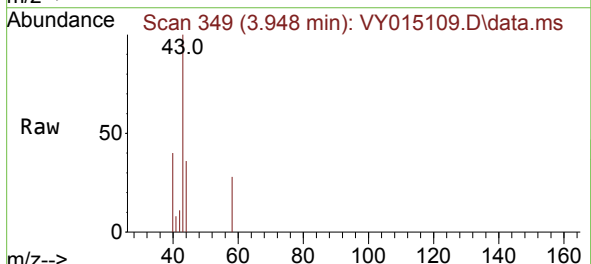
Instrument :
MSVOA_Y
ClientSampleId :

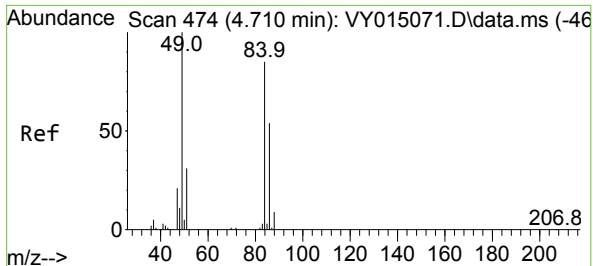
Tgt Ion: 59 Resp: 1601
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 5.018 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
58 28.3 22.7 34.1





#20

Methylene Chloride

Concen: 7.965 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

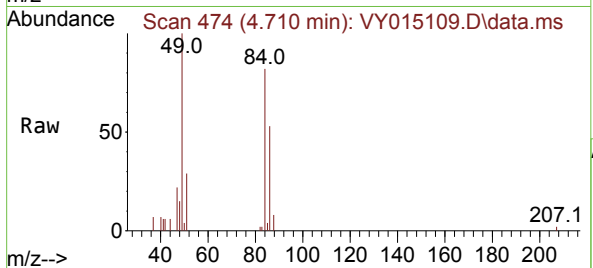
Lab File: VY015109.D

Acq: 15 Aug 2023 17:29

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 8905

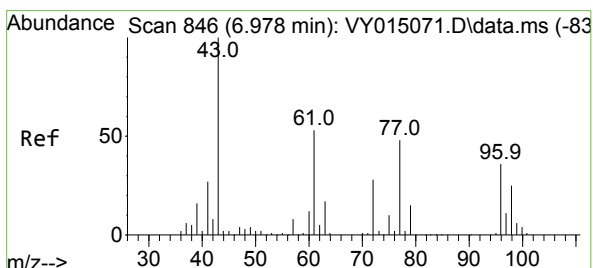
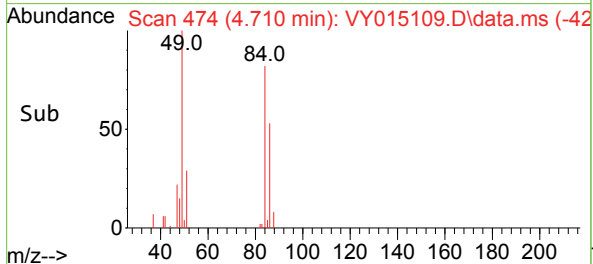
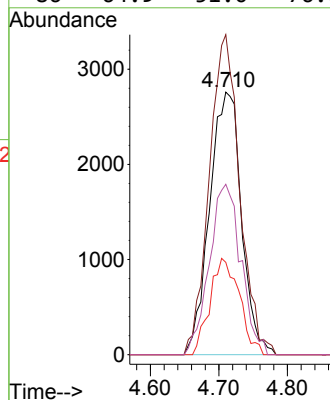
Ion Ratio Lower Upper

84 100

49 121.9 106.9 160.3

51 35.2 33.2 49.8

86 64.9 51.0 76.6



#25

2-Butanone

Concen: 4.611 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015109.D

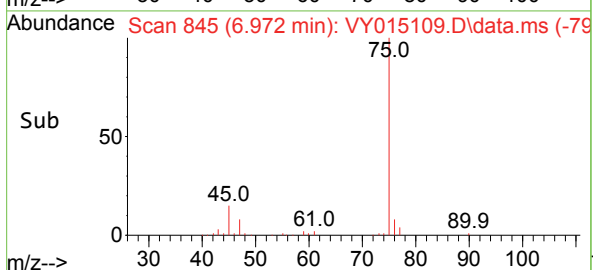
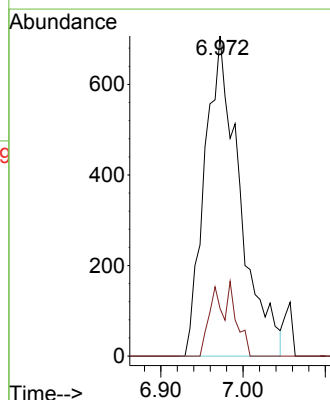
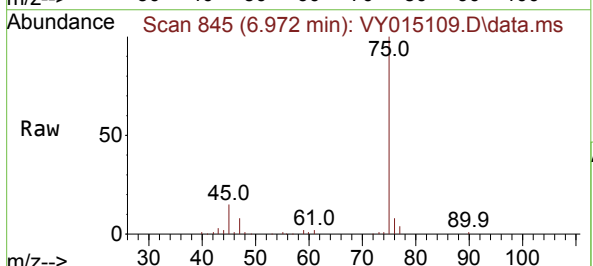
Acq: 15 Aug 2023 17:29

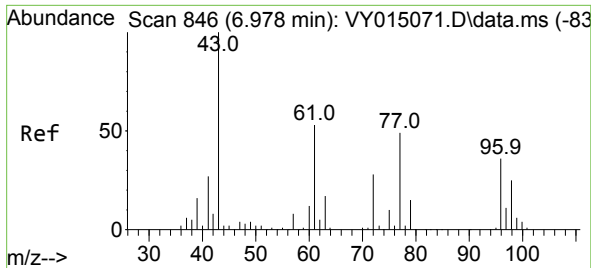
Tgt Ion: 43 Resp: 2091

Ion Ratio Lower Upper

43 100

72 14.9 20.5 30.7#

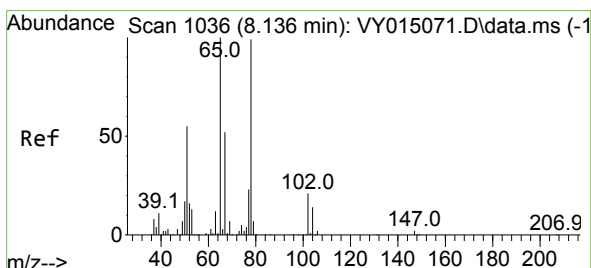
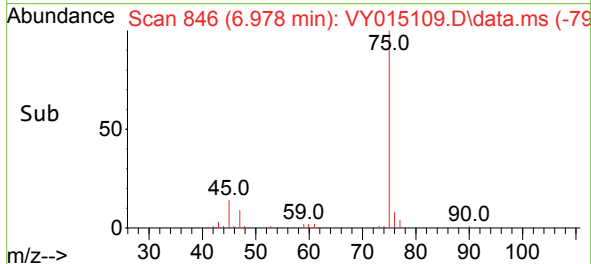
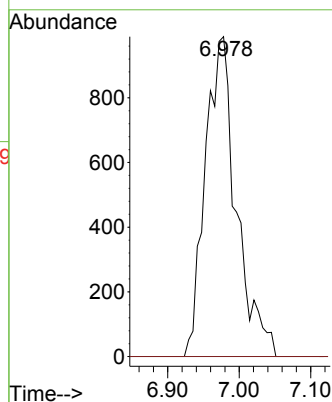
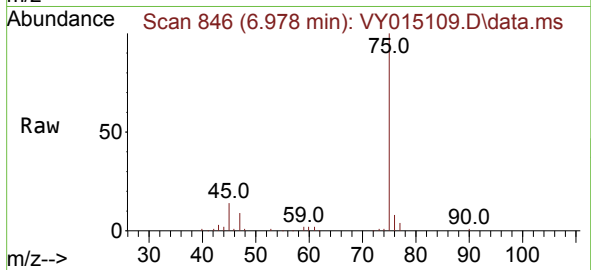




#26
2,2-Dichloropropane
Concen: 2.267 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

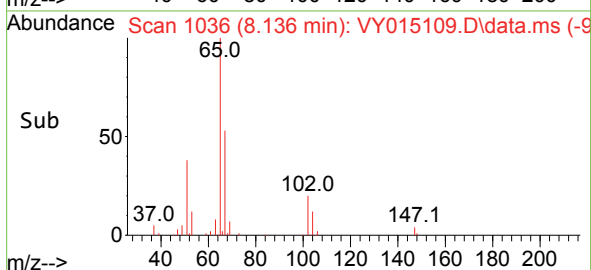
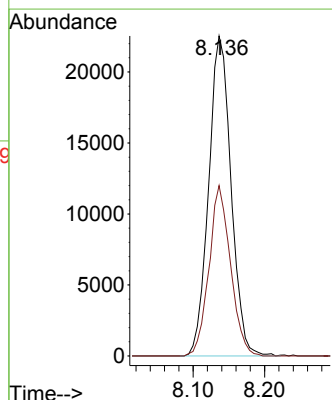
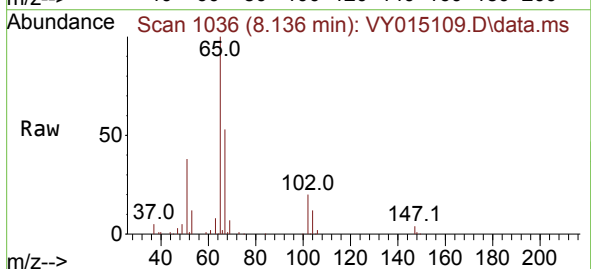
Instrument :
MSVOA_Y
ClientSampleId :

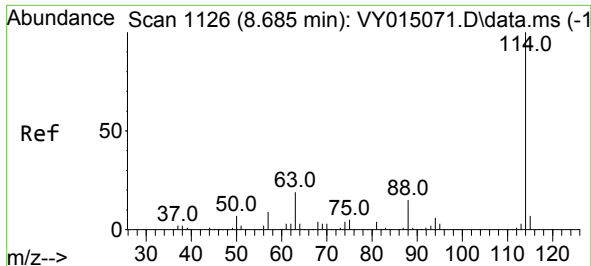
Tgt Ion: 77 Resp: 2975
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion: 65 Resp: 49064
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8

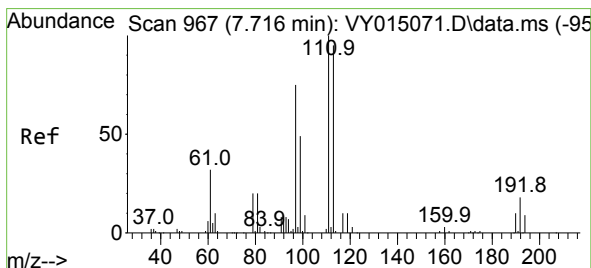
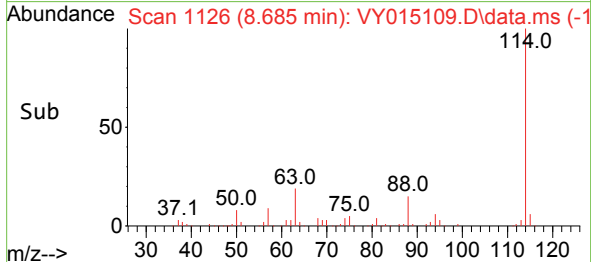
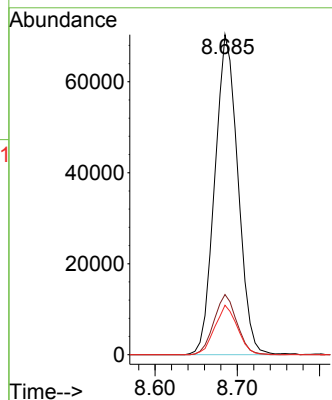
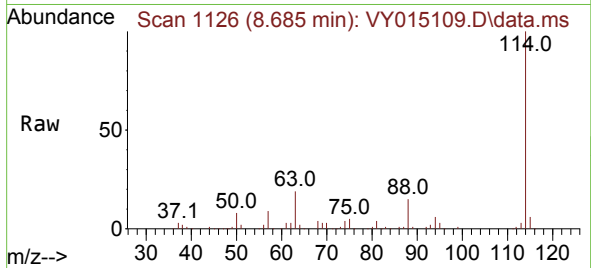




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

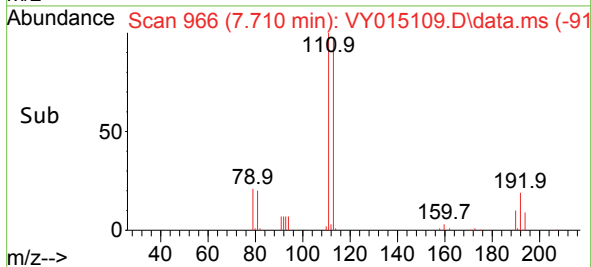
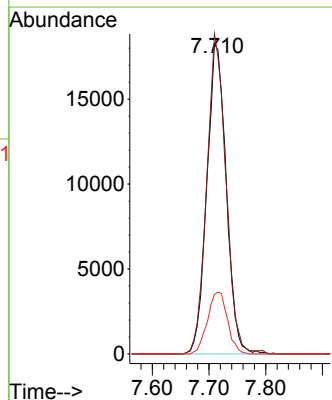
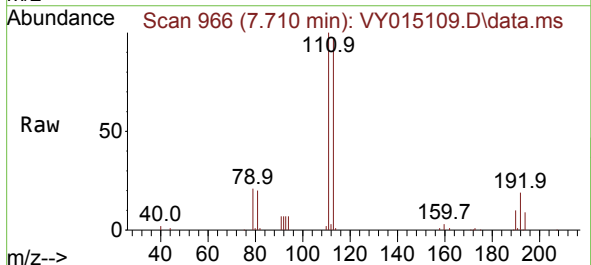
Instrument :
MSVOA_Y
ClientSampleId :

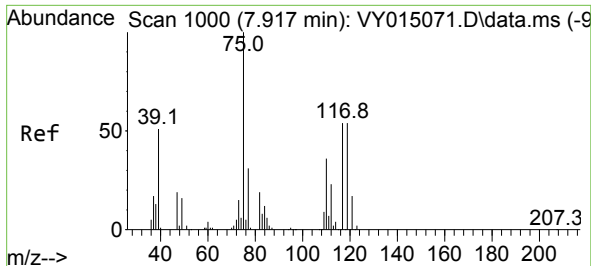
Tgt Ion:114 Resp: 137485
Ion Ratio Lower Upper
114 100
63 18.8 0.0 42.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.046 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

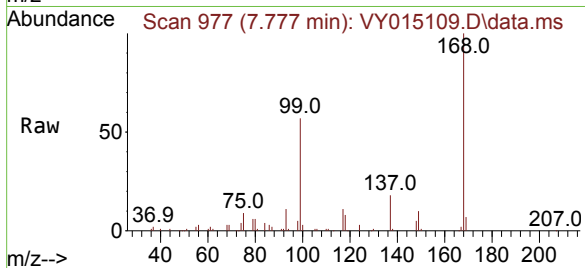
Tgt Ion:113 Resp: 43381
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 20.6 16.9 25.3



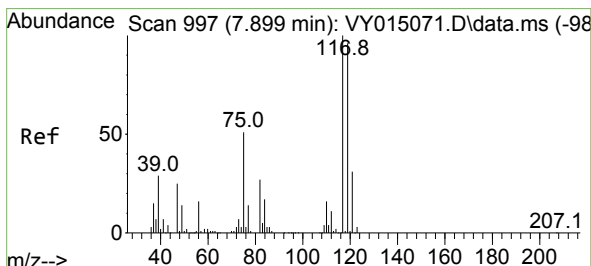
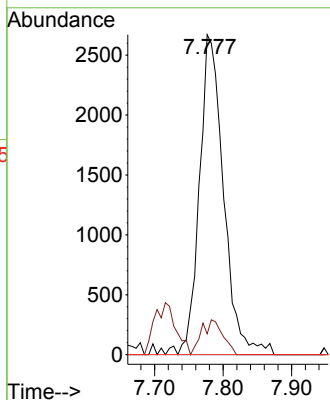
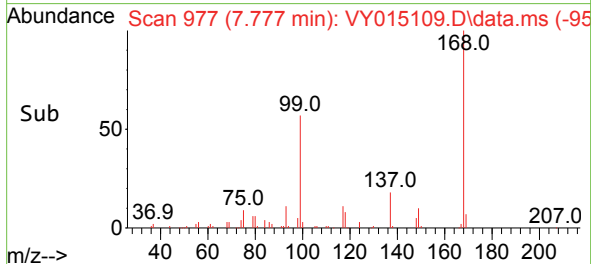


#36
1,1-Dichloropropene
Concen: 6.672 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

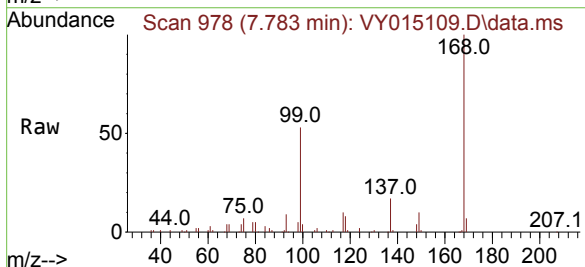
Instrument :
MSVOA_Y
ClientSampleId :



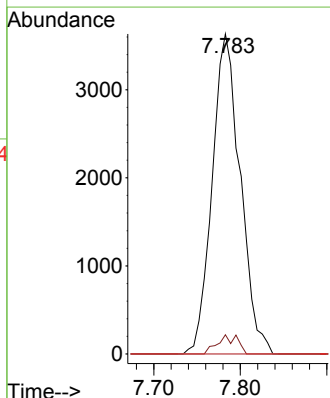
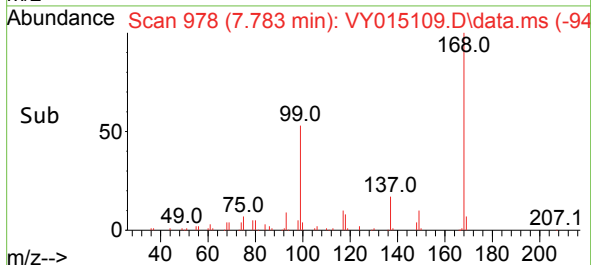
Tgt Ion: 75 Resp: 6529
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#

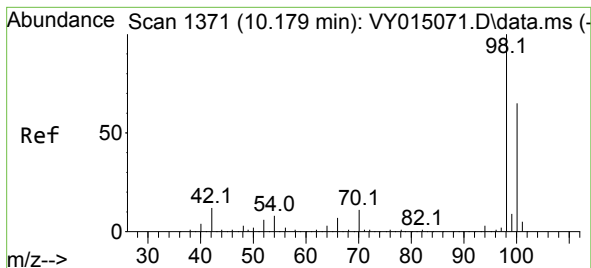


#38
Carbon Tetrachloride
Concen: 7.076 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29



Tgt Ion: 117 Resp: 8194
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#

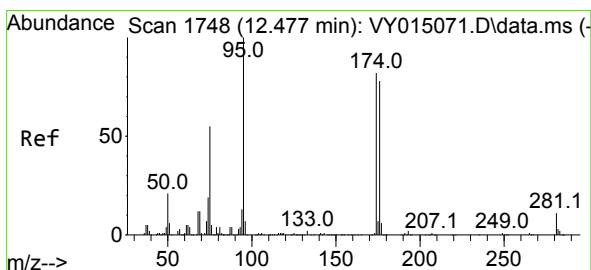
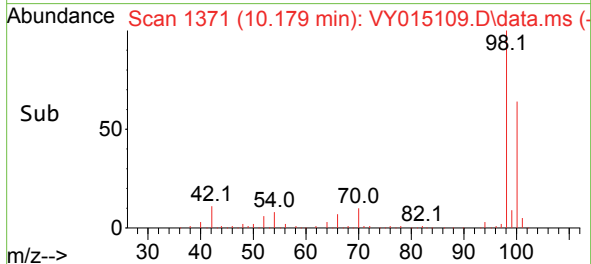
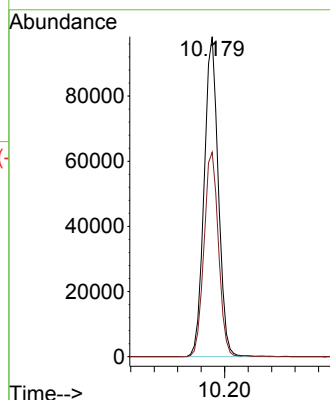
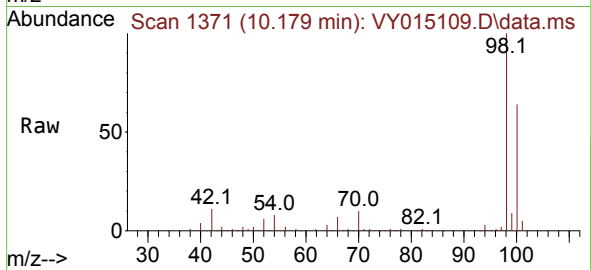




#50
Toluene-d8
Concen: 49.869 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

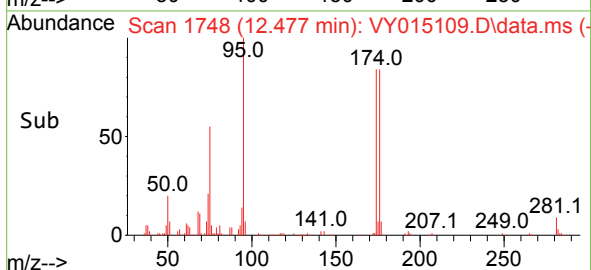
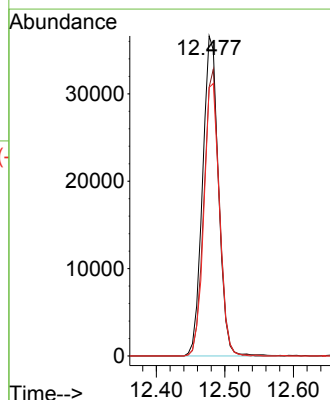
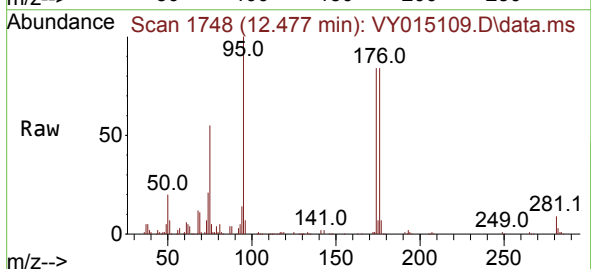
Instrument :
MSVOA_Y
ClientSampleId :

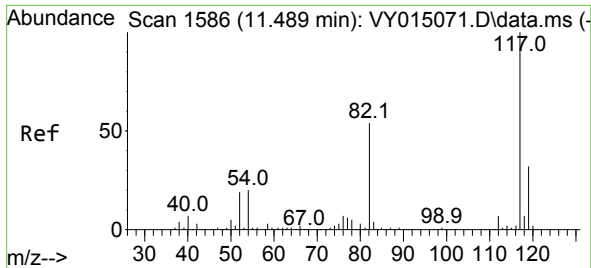
Tgt Ion: 98 Resp: 164199
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.215 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion: 95 Resp: 59186
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.2
176 83.3 0.0 173.8

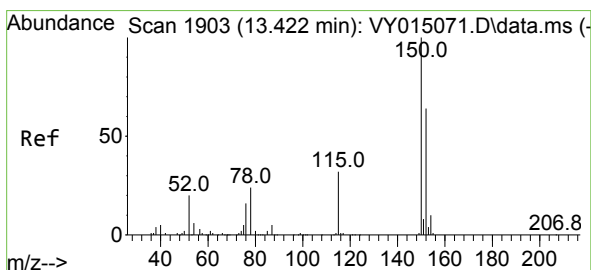
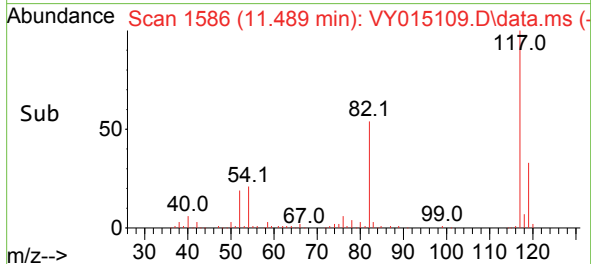
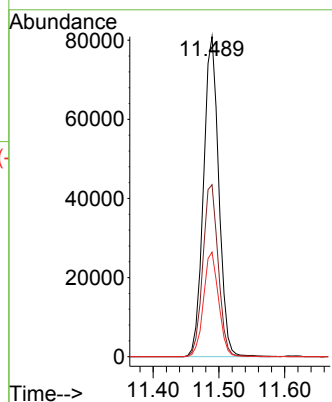
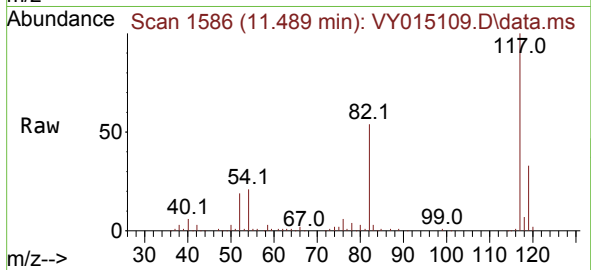




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

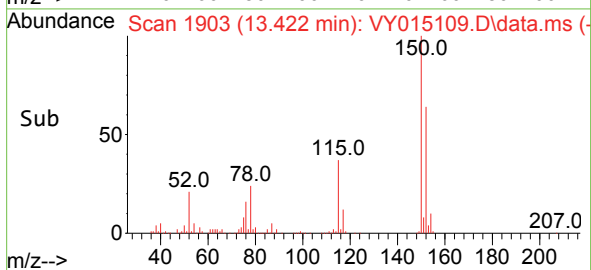
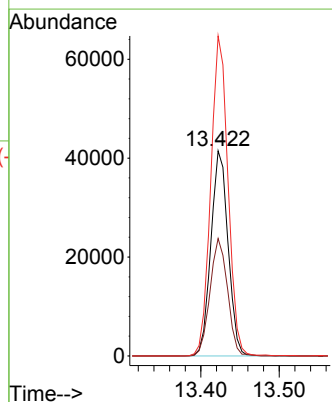
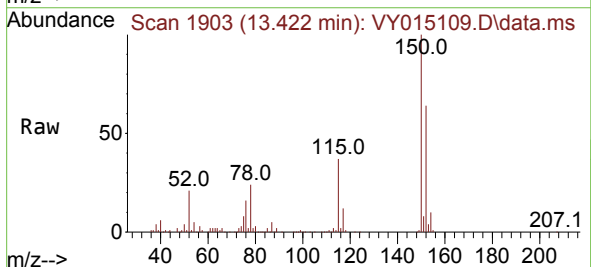
Instrument :
MSVOA_Y
ClientSampleId :

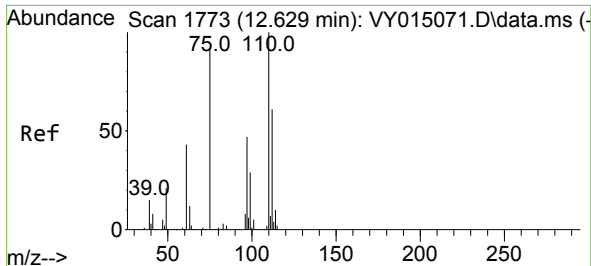
Tgt Ion:117 Resp: 130823
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion:152 Resp: 63143
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 156.4 0.0 348.8

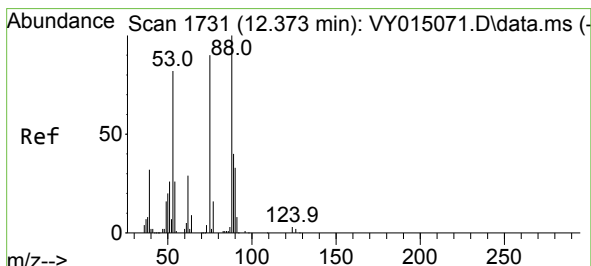
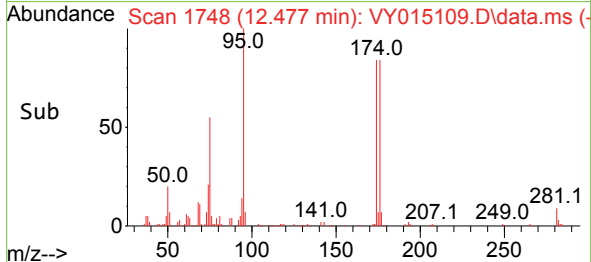
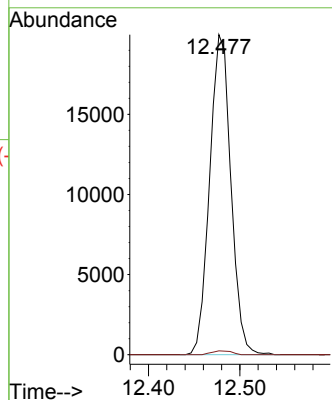
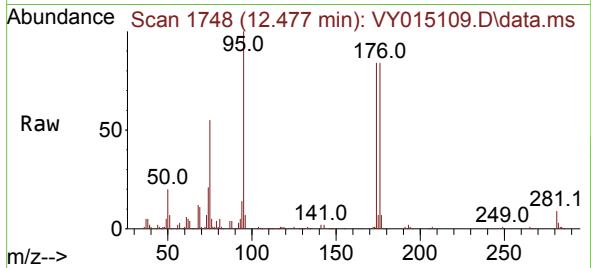




#76
1,2,3-Trichloropropane
Concen: 42.003 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32222
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015109.D
Acq: 15 Aug 2023 17:29

Tgt Ion: 75 Resp: 32222
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

