

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015222.D
 Acq On : 21 Aug 2023 16:56
 Operator : SY/MD
 Sample : 04086-09
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:56:04 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)

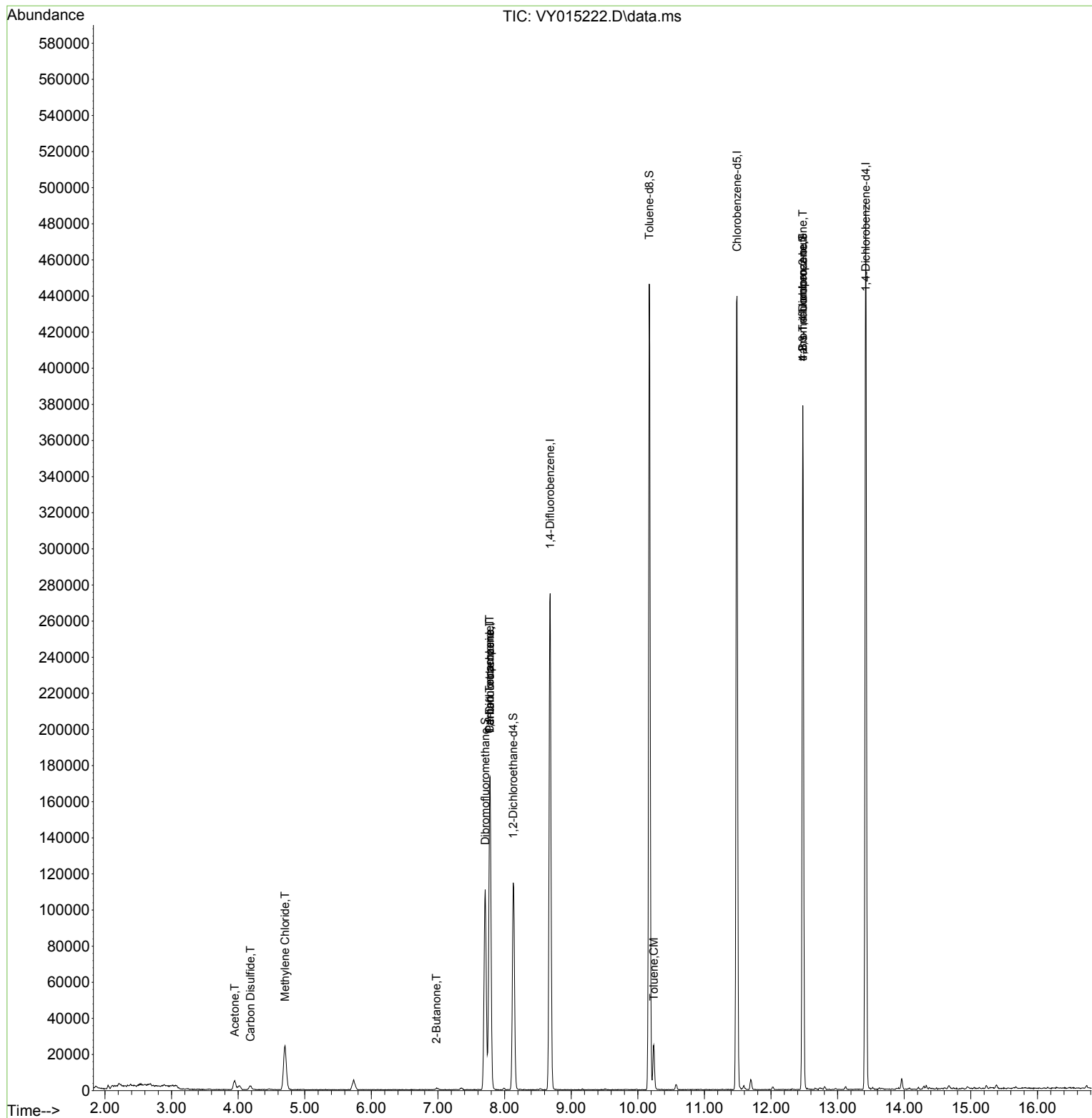
Internal Standards						
1) Pentafluorobenzene	7.783	168	134758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	239715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	91703	56.689	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.380%	
35) Dibromofluoromethane	7.710	113	77885	50.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.000%	
50) Toluene-d8	10.173	98	288545	50.262	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	12.477	95	113734	54.241	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	429	Below Cal		92
5) Bromomethane	2.644	94	385	Below Cal	#	71
11) Tert butyl alcohol	4.966	59	326	Below Cal	#	89
13) Acrolein	3.735	56	31	Below Cal	#	14
16) Acetone	3.948	43	9060	17.144	ug/l #	86
17) Carbon Disulfide	4.186	76	4493	2.723	ug/l	97
20) Methylene Chloride	4.704	84	18045	10.860	ug/l	91
25) 2-Butanone	6.978	43	1045	1.397	ug/l #	78
31) Cyclohexane	7.777	56	2940	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	10505	6.157	ug/l #	50
38) Carbon Tetrachloride	7.777	117	13379	6.626	ug/l #	16
52) Toluene	10.240	92	10191	2.997	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	60465	40.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60465	87.958	ug/l #	11

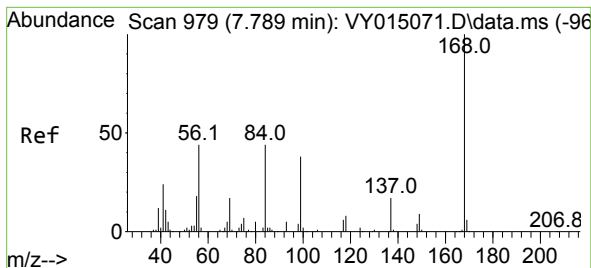
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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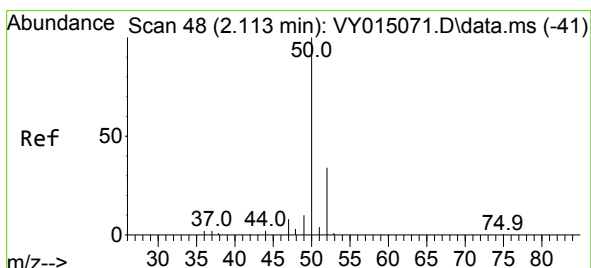
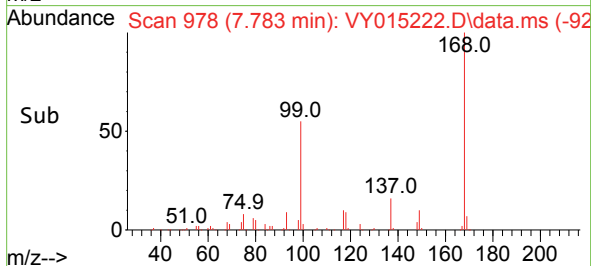
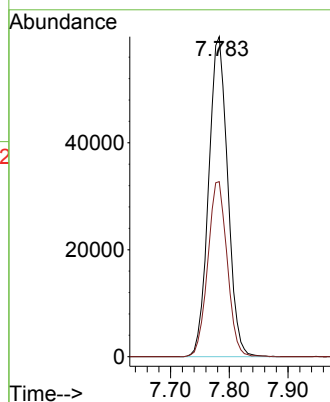
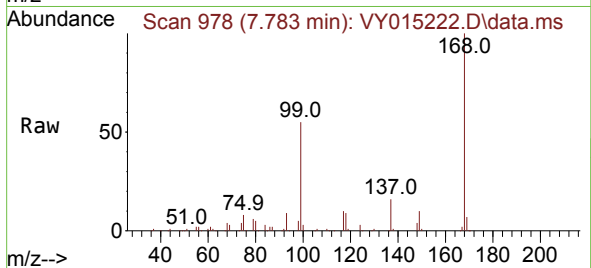




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

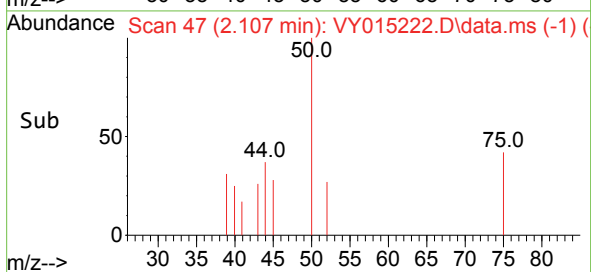
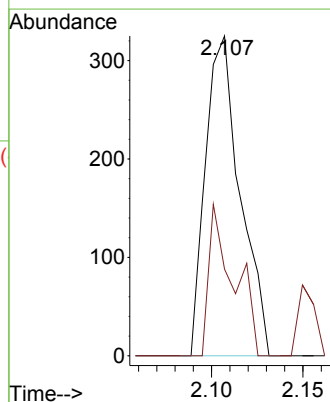
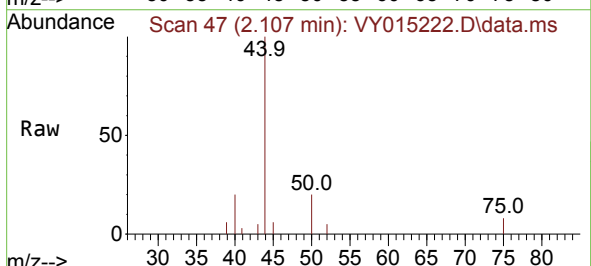
Instrument :
MSVOA_Y
ClientSampleId :

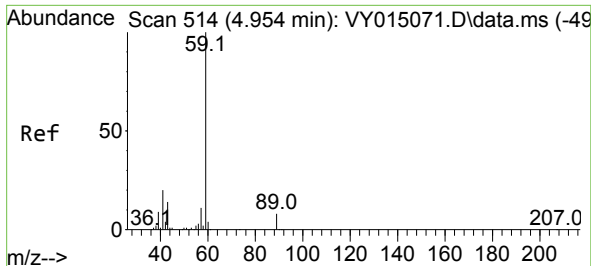
Tgt Ion:168 Resp: 134758
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

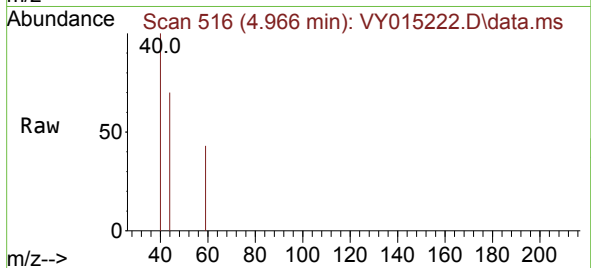
Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 27.1 25.4 38.2



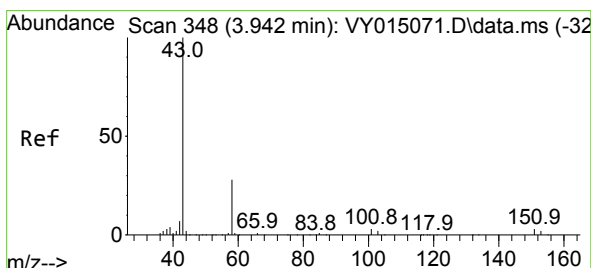
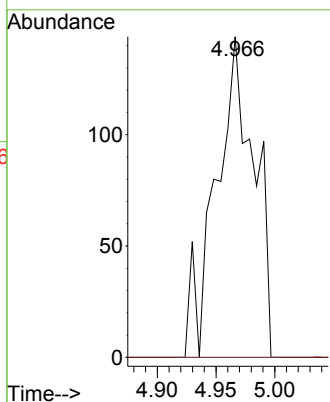
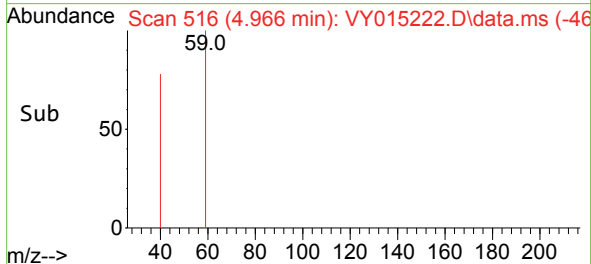


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 514
Delta R.T. 0.018 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

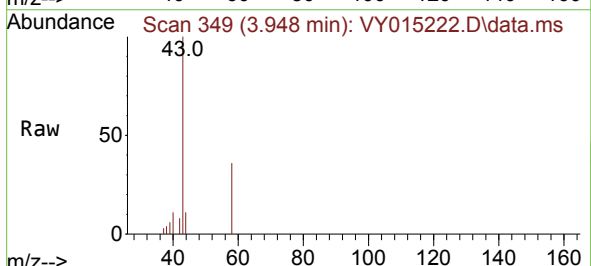
Instrument :
MSVOA_Y
ClientSampleId :



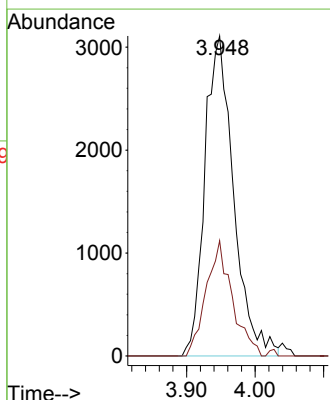
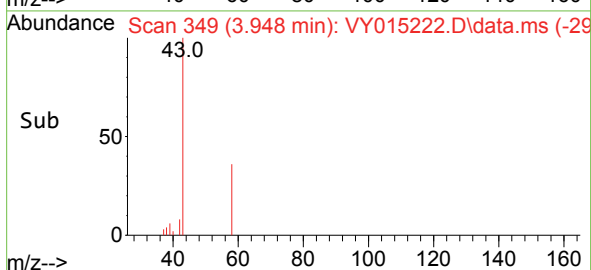
Tgt Ion: 59 Resp: 326
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

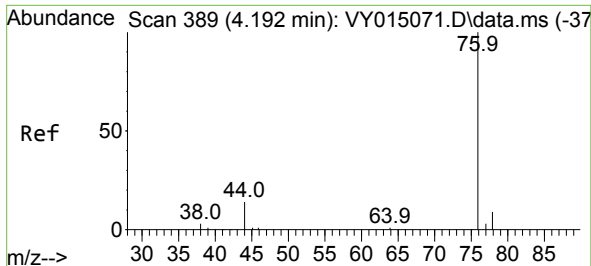


#16
Acetone
Concen: 17.144 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56



Tgt Ion: 43 Resp: 9060
Ion Ratio Lower Upper
43 100
58 36.0 22.7 34.1#

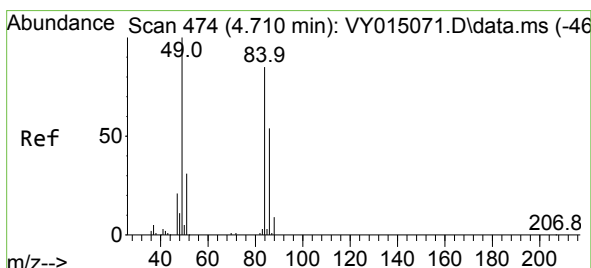
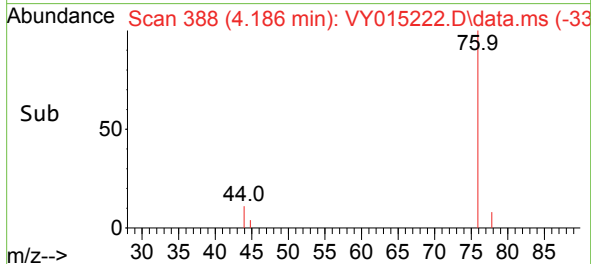
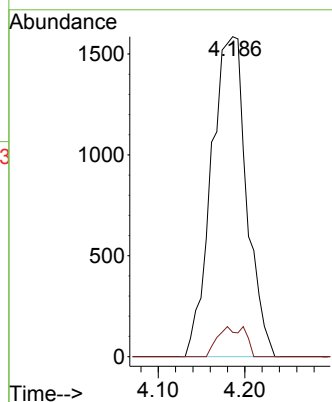
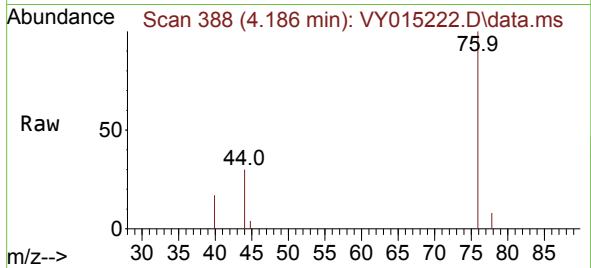




#17
Carbon Disulfide
Concen: 2.723 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

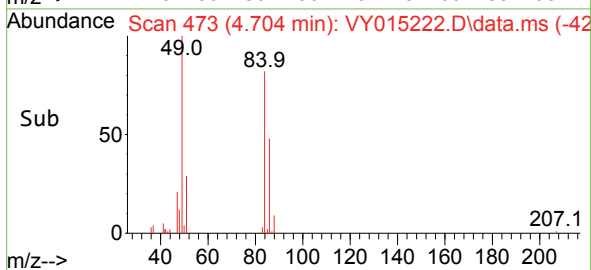
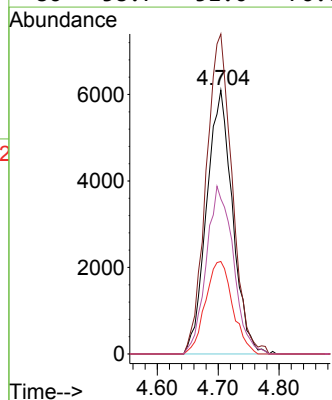
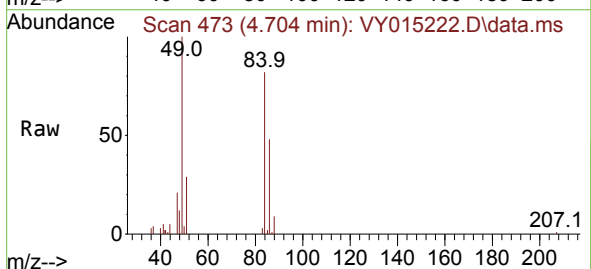
Instrument :
MSVOA_Y
ClientSampleId :

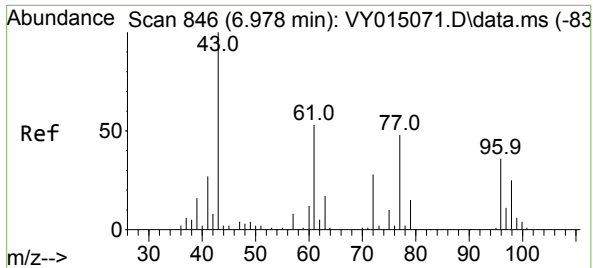
Tgt Ion: 76 Resp: 4493
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4



#20
Methylene Chloride
Concen: 10.860 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

Tgt Ion: 84 Resp: 18045
Ion Ratio Lower Upper
84 100
49 121.3 106.9 160.3
51 35.0 33.2 49.8
86 58.7 51.0 76.6

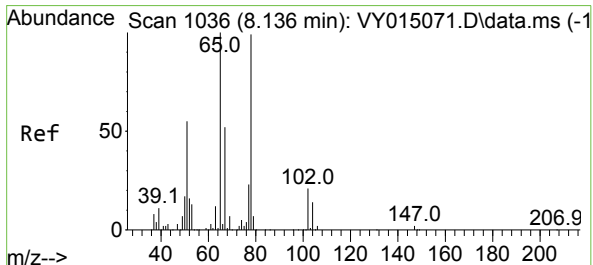
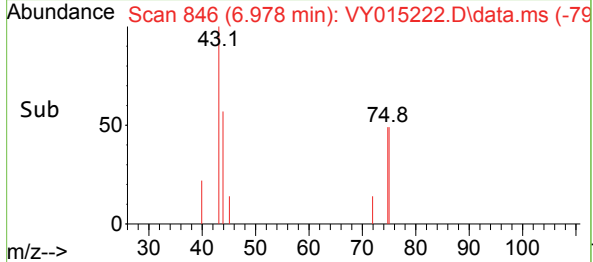
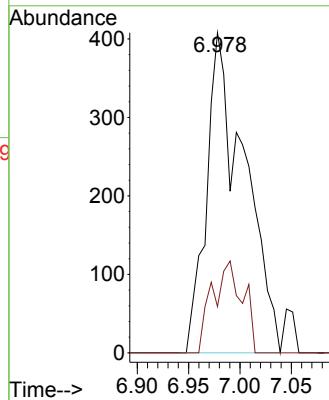
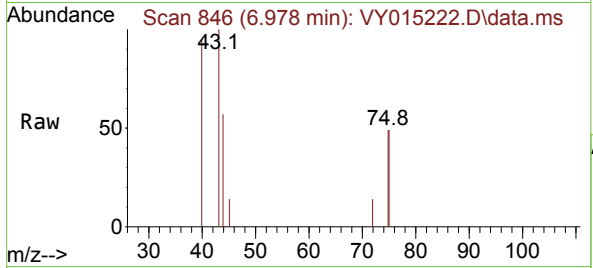




#25
2-Butanone
Concen: 1.397 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

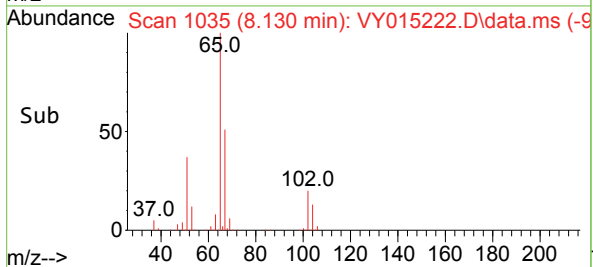
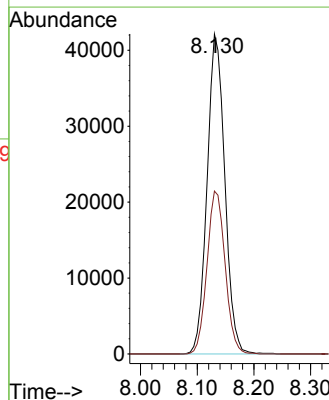
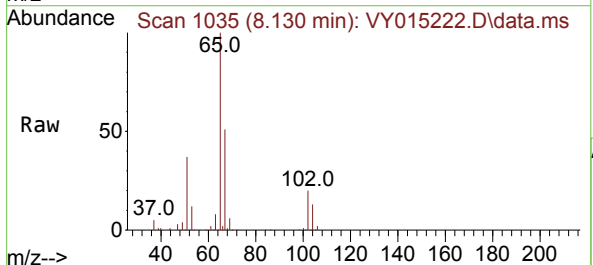
Instrument :
MSVOA_Y
ClientSampleId :

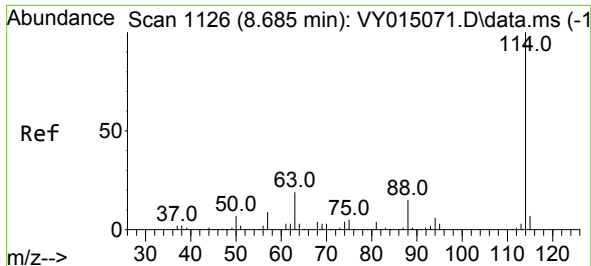
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
72 14.5 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 56.689 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

Tgt Ion: 65 Resp: 91703
Ion Ratio Lower Upper
65 100
67 52.0 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: VY015222.D

Acq: 21 Aug 2023 16:56

Instrument :

MSVOA_Y

ClientSampleId :

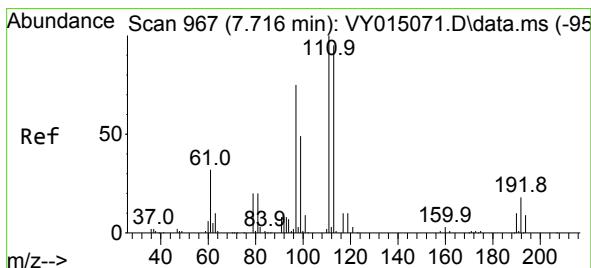
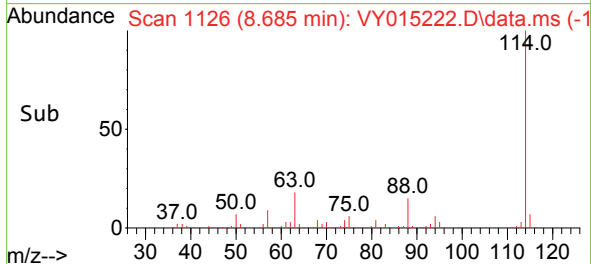
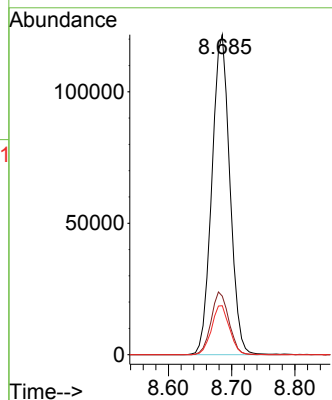
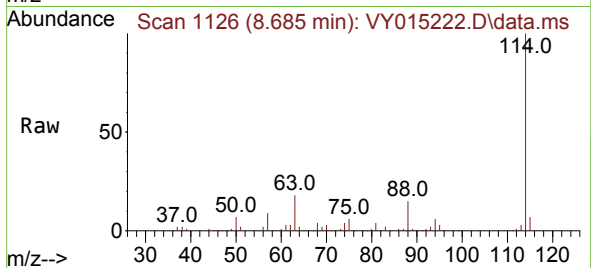
Tgt Ion:114 Resp: 239715

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.504 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015222.D

Acq: 21 Aug 2023 16:56

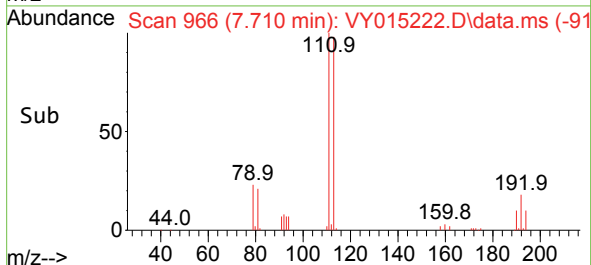
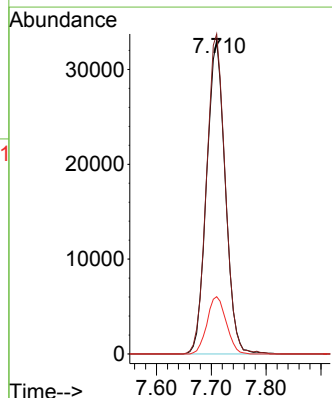
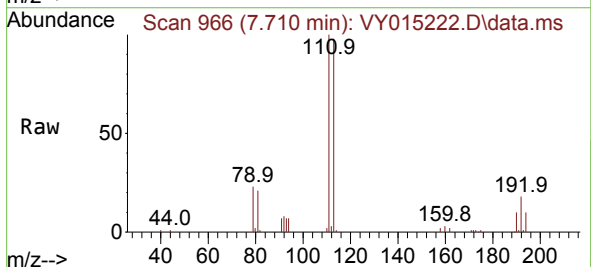
Tgt Ion:113 Resp: 77885

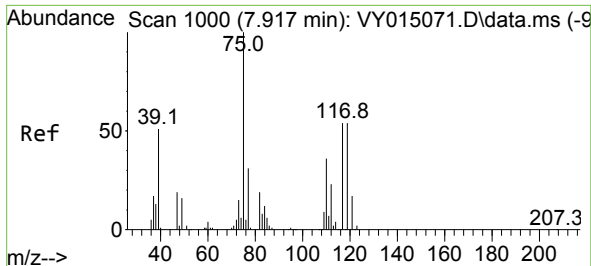
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

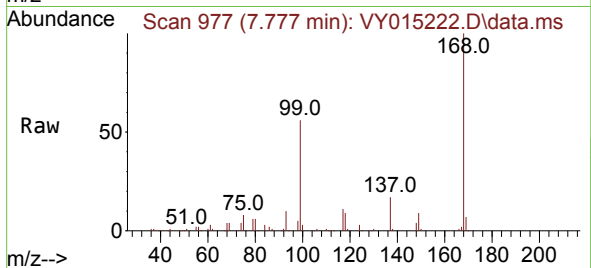
192 18.8 16.9 25.3



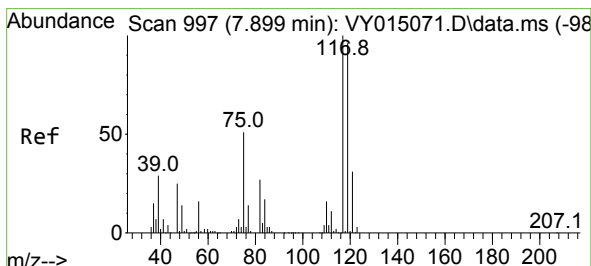
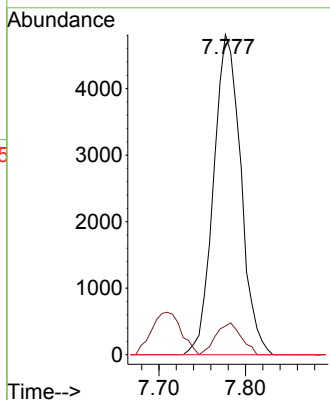
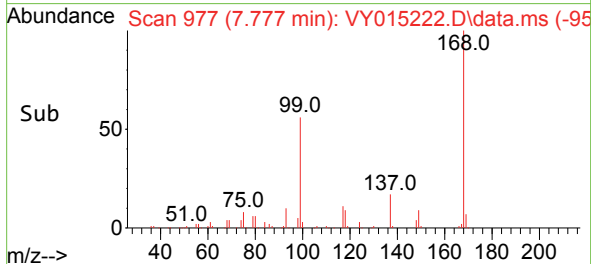


#36
1,1-Dichloropropene
Concen: 6.157 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.134 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

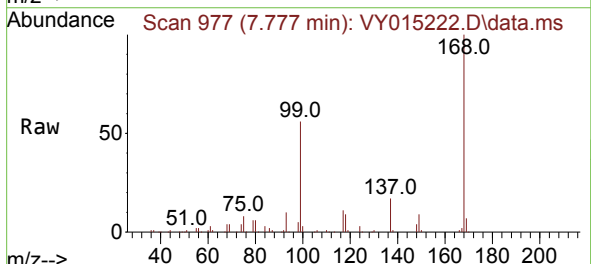
Instrument :
MSVOA_Y
ClientSampleId :



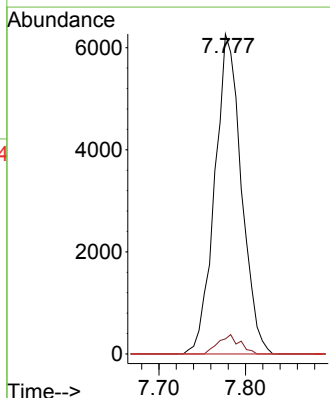
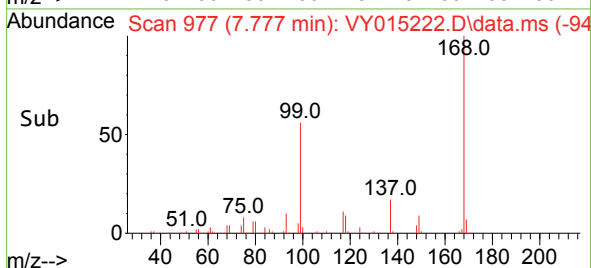
Tgt Ion: 75 Resp: 10505
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#

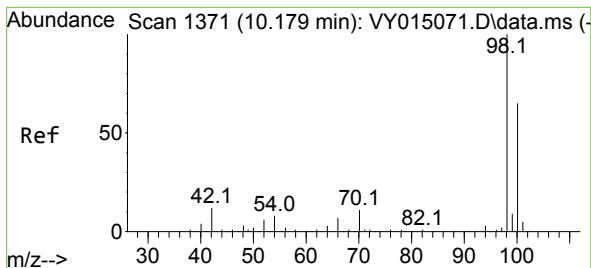


#38
Carbon Tetrachloride
Concen: 6.626 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56



Tgt Ion: 117 Resp: 13379
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#

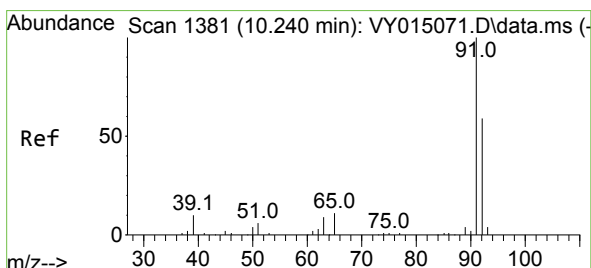
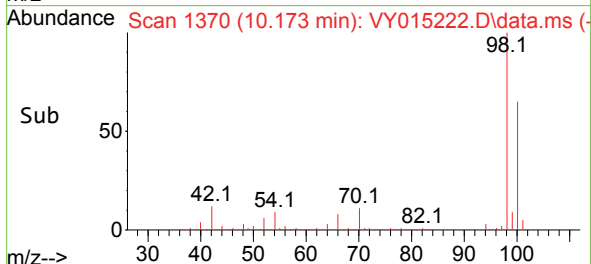
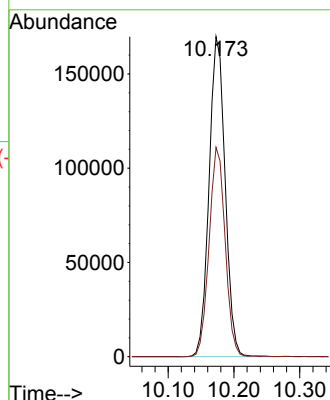
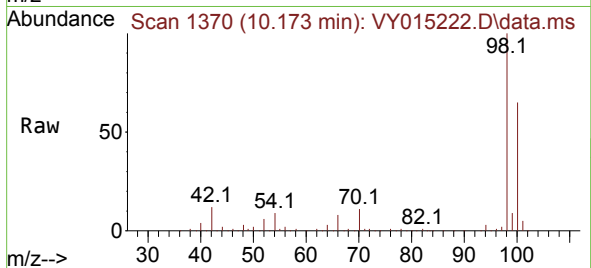




#50
Toluene-d8
Concen: 50.262 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

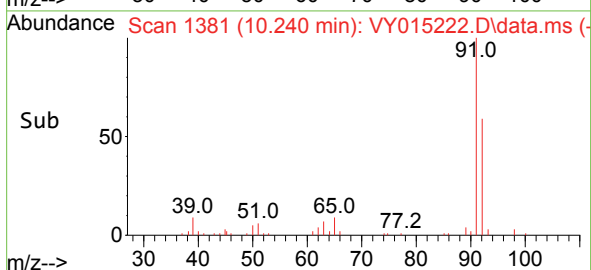
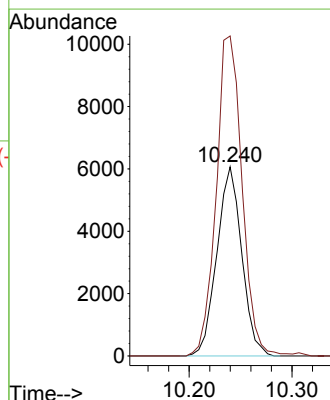
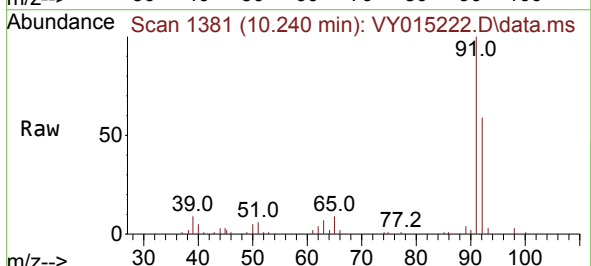
Instrument :
MSVOA_Y
ClientSampleId :

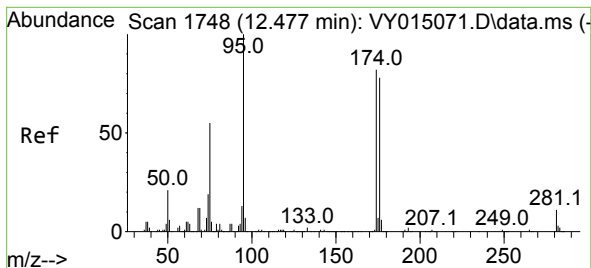
Tgt Ion: 98 Resp: 288545
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#52
Toluene
Concen: 2.997 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

Tgt Ion: 92 Resp: 10191
Ion Ratio Lower Upper
92 100
91 175.9 143.8 215.6

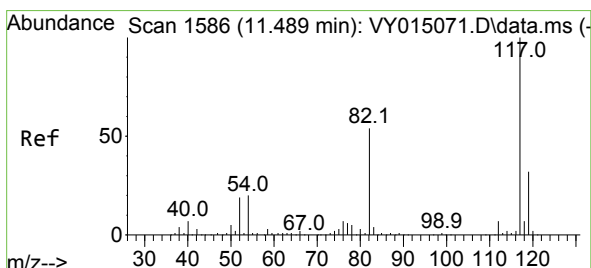
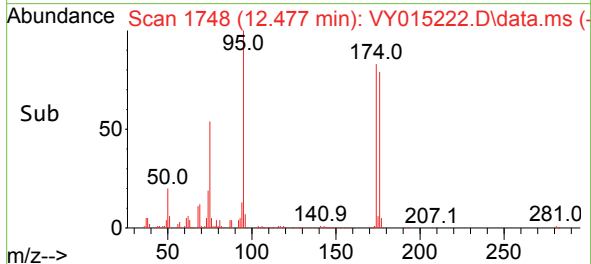
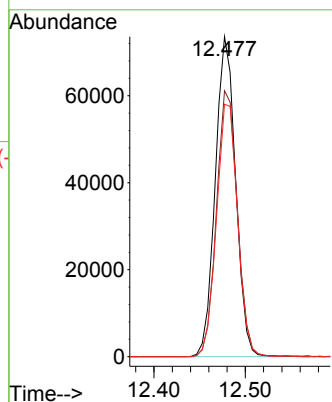
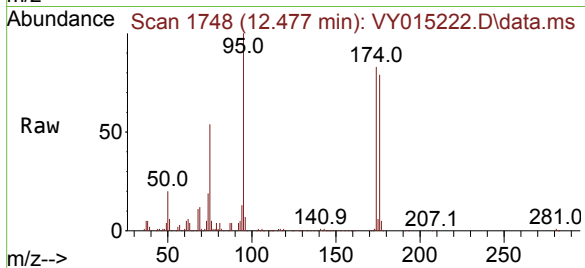




#62
4-Bromofluorobenzene
Concen: 54.241 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

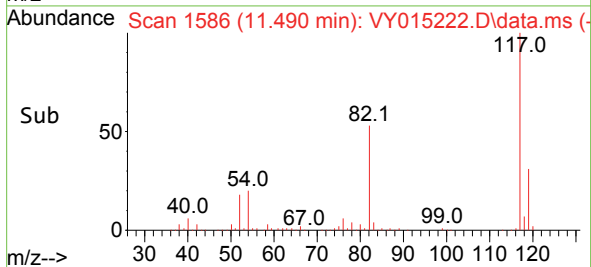
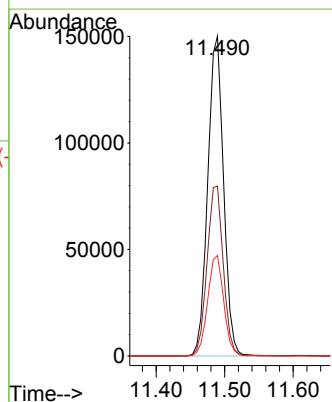
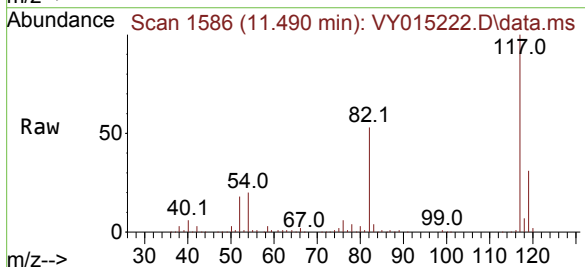
Instrument :
MSVOA_Y
ClientSampleId :

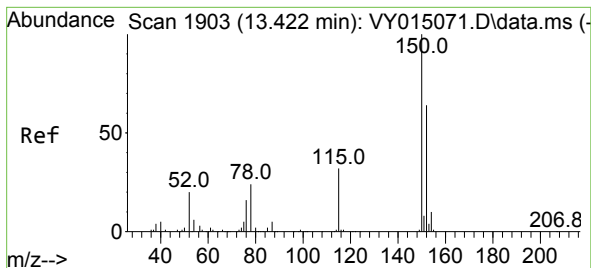
Tgt Ion: 95 Resp: 113734
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 82.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

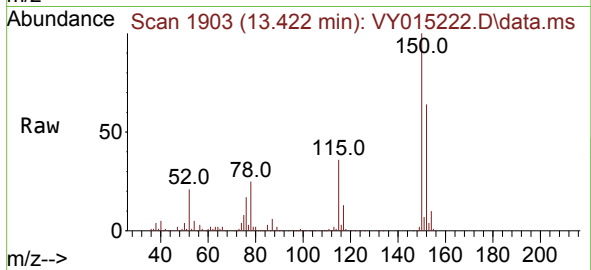
Tgt Ion: 117 Resp: 241396
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.4 26.3 39.5



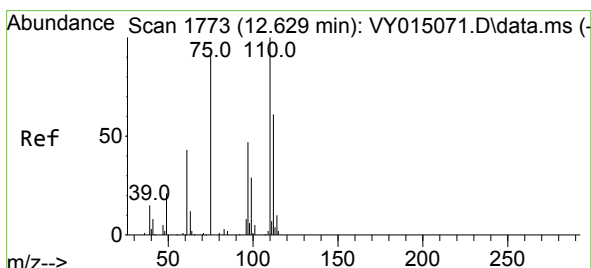
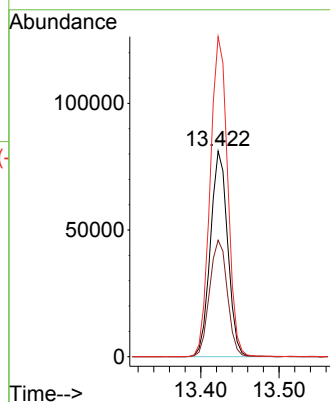
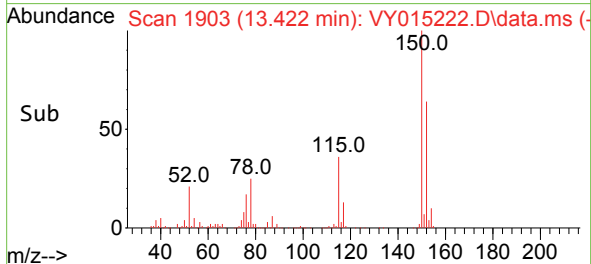


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

Instrument :
MSVOA_Y
ClientSampleId :

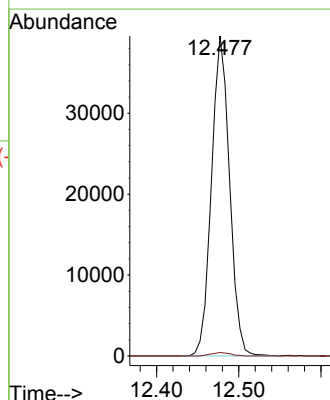
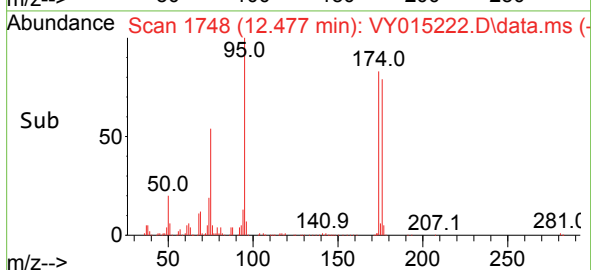
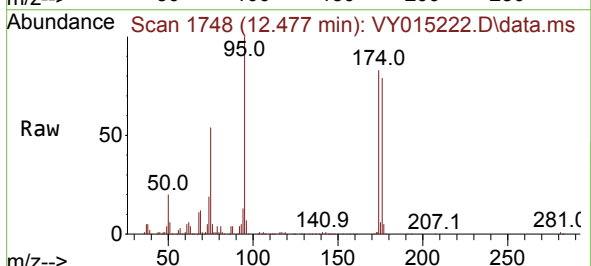


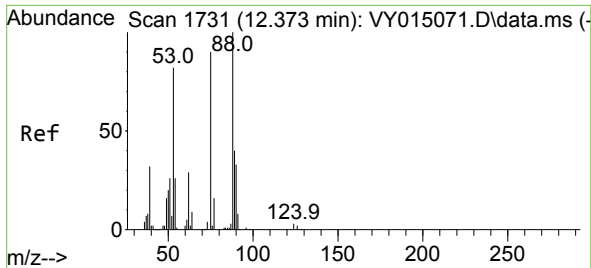
Tgt Ion:152 Resp: 124281
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 157.3 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.045 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015222.D
Acq: 21 Aug 2023 16:56

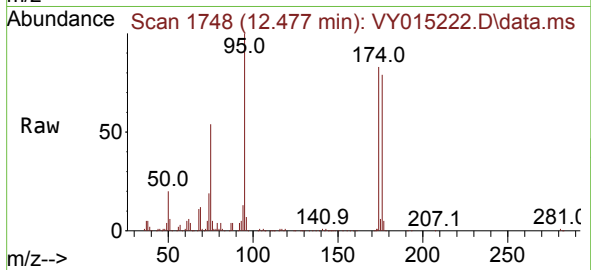
Tgt Ion: 75 Resp: 60465
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.958 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015222.D
 Acq: 21 Aug 2023 16:56

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 60465
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

