

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091823\
 Data File : VY015618.D
 Acq On : 18 Sep 2023 16:35
 Operator : SY/MD
 Sample : 04419-18
 Misc : 6.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 02:04:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

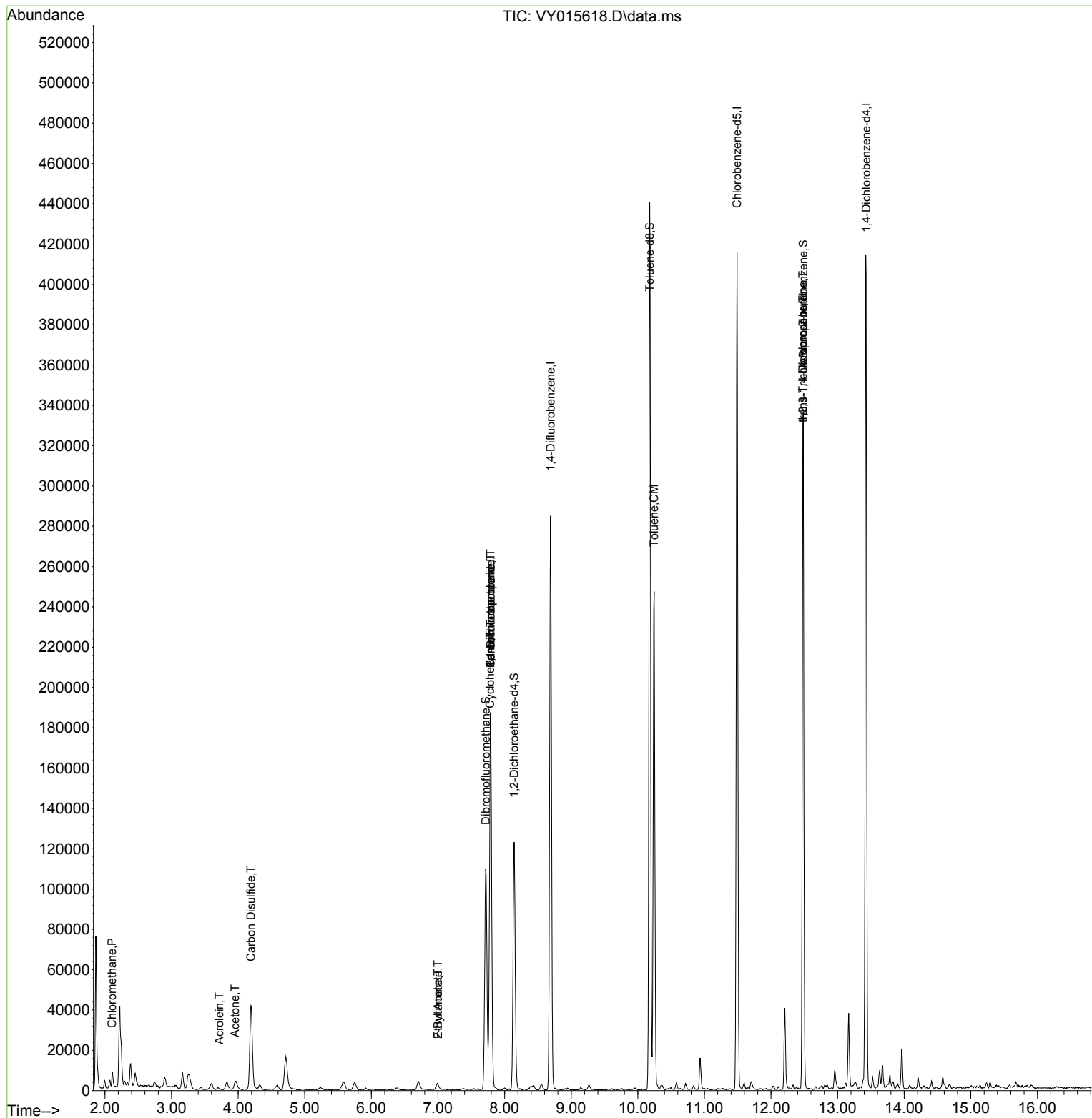
Internal Standards						
1) Pentafluorobenzene	7.789	168	144340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	243880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94354	60.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.960%	
35) Dibromofluoromethane	7.716	113	77372	55.081	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.160%	
50) Toluene-d8	10.179	98	283133	55.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.320%	
62) 4-Bromofluorobenzene	12.483	95	100427	53.179	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	6560	3.937	ug/l	99
11) Tert butyl alcohol	4.954	59	347	Below Cal	#	89
13) Acrolein	3.716	56	52	11.761	ug/l #	14
16) Acetone	3.954	43	7647	11.840	ug/l	99
17) Carbon Disulfide	4.192	76	86626	20.195	ug/l	98
25) 2-Butanone	6.996	43	3472	3.790	ug/l #	80
31) Cyclohexane	7.783	56	3314	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11008	4.463	ug/l #	51
37) Ethyl Acetate	6.996	43	3472	1.825	ug/l #	71
38) Carbon Tetrachloride	7.789	117	14382	5.646	ug/l #	17
52) Toluene	10.246	92	103143	23.385	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	53455	37.963	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53455	83.742	ug/l #	10

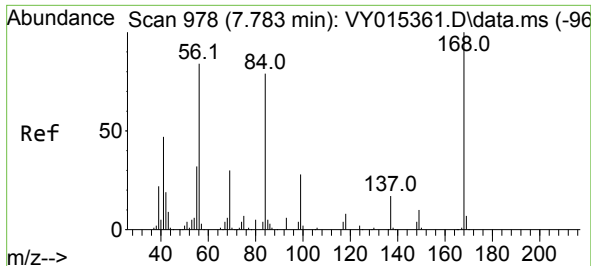
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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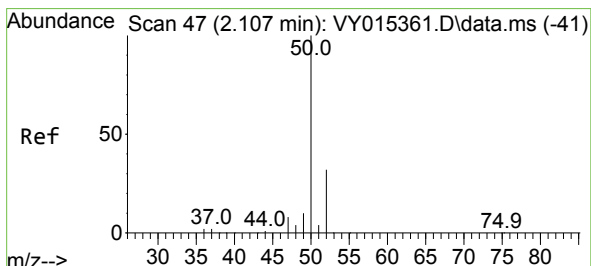
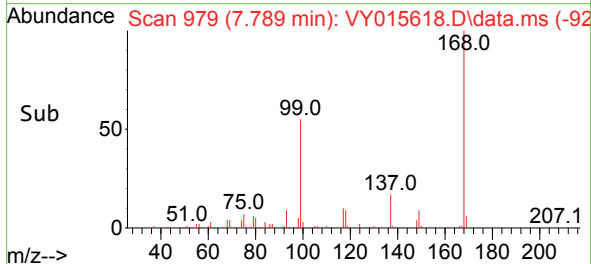
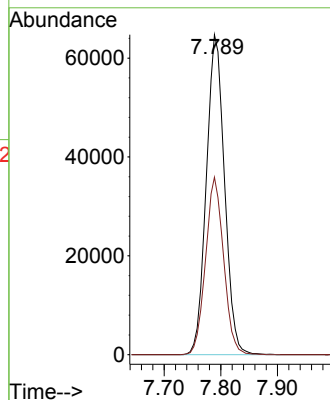
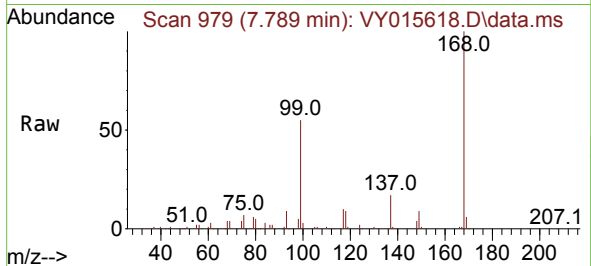




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

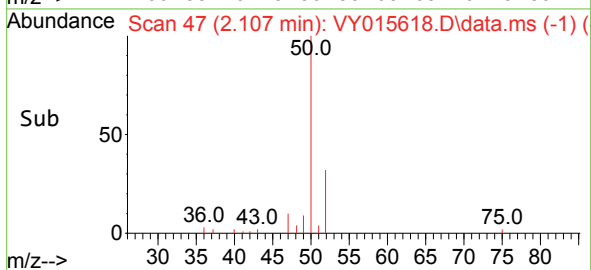
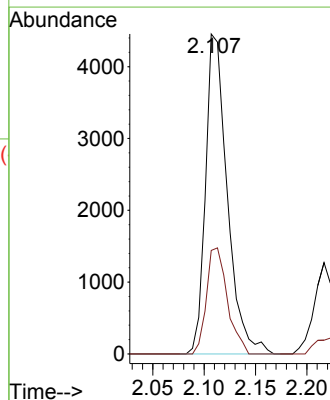
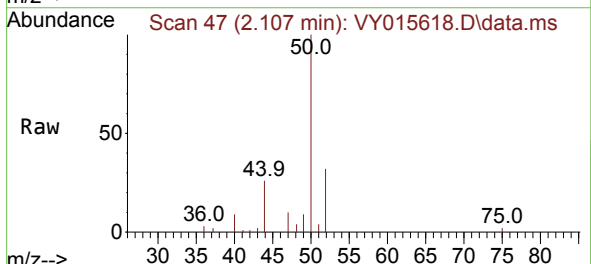
Instrument :
MSVOA_Y
ClientSampleId :

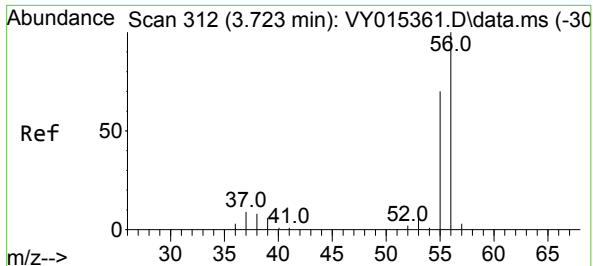
Tgt Ion:168 Resp: 144340
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#3
Chloromethane
Concen: 3.937 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

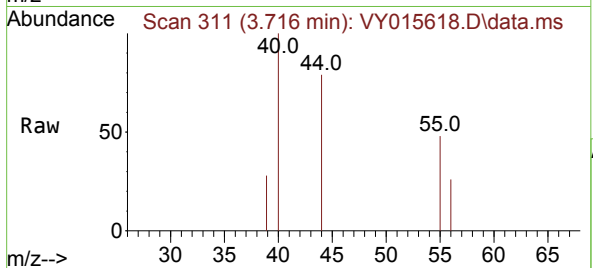
Tgt Ion: 50 Resp: 6560
Ion Ratio Lower Upper
50 100
52 32.3 25.4 38.2



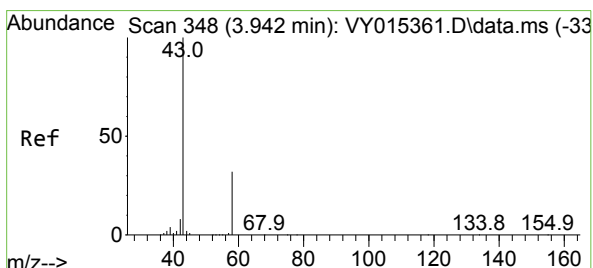
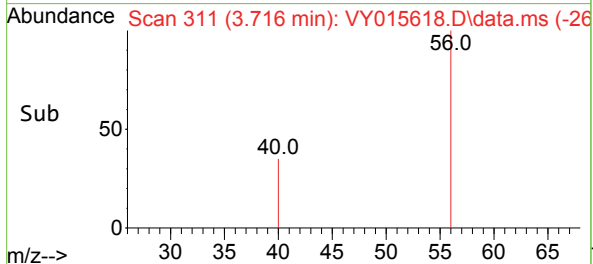
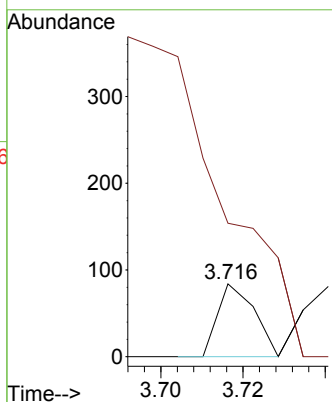


#13
Acrolein
Concen: 11.761 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :

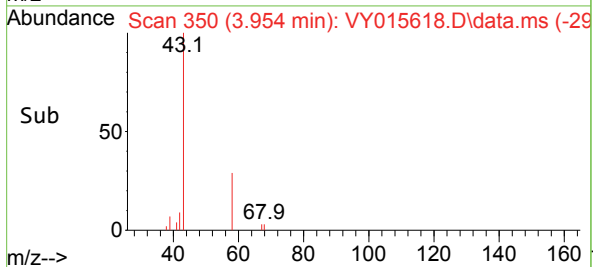
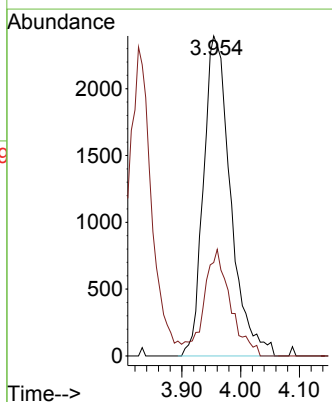
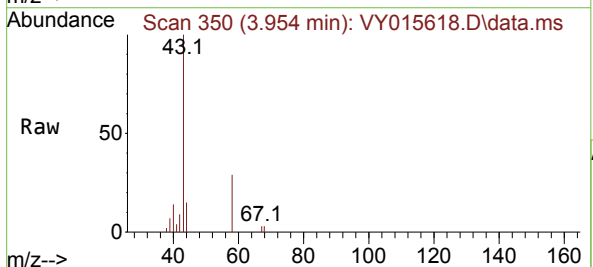


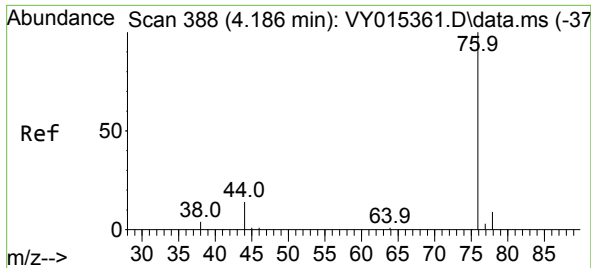
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 11.840 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Tgt Ion: 43 Resp: 7647
Ion Ratio Lower Upper
43 100
58 29.2 22.7 34.1





#17

Carbon Disulfide

Concen: 20.195 ug/l

RT: 4.192 min Scan# 31

Delta R.T. 0.006 min

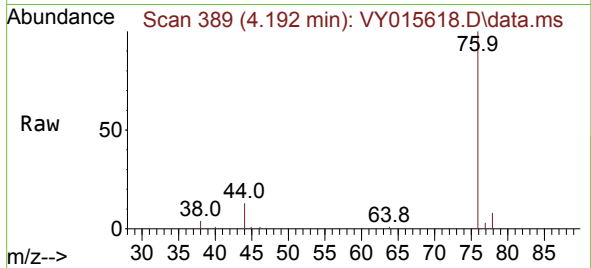
Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

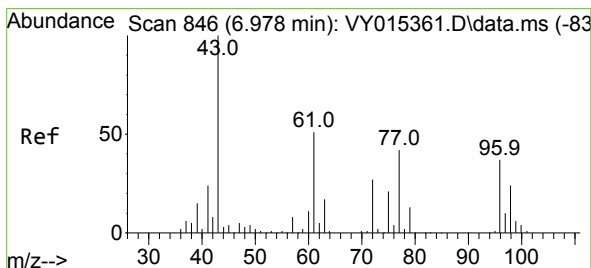
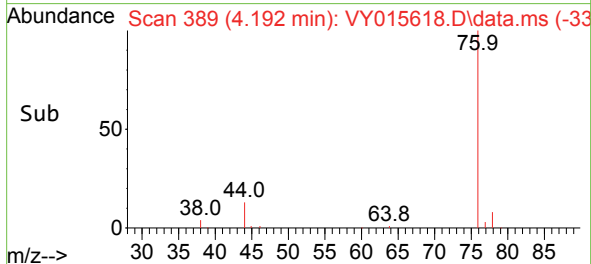
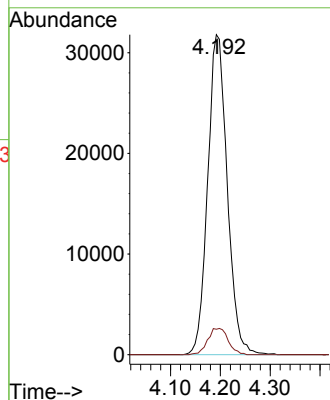


Tgt Ion: 76 Resp: 86626

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.4



#25

2-Butanone

Concen: 3.790 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.018 min

Lab File: VY015618.D

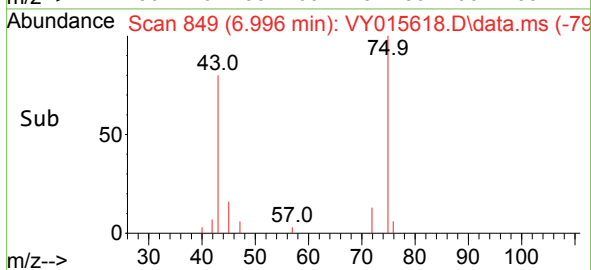
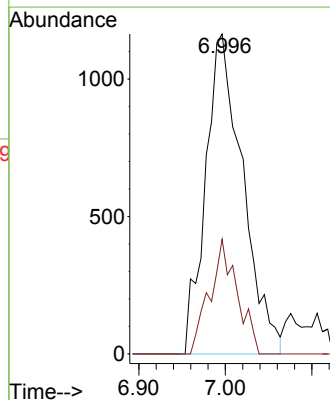
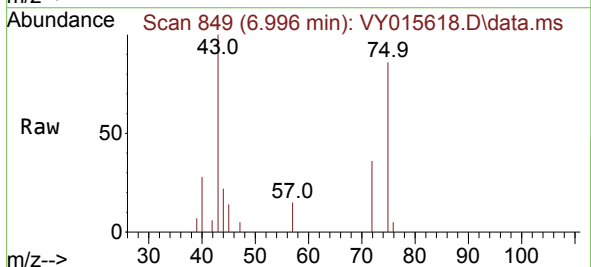
Acq: 18 Sep 2023 16:35

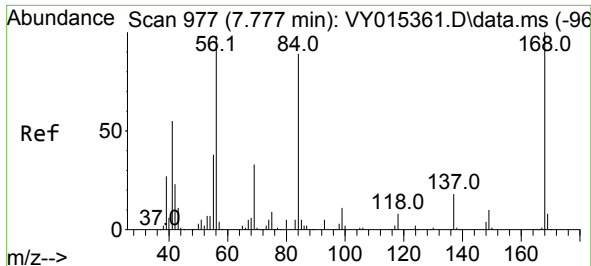
Tgt Ion: 43 Resp: 3472

Ion Ratio Lower Upper

43 100

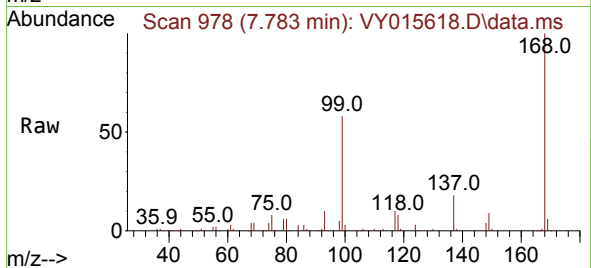
72 35.8 20.5 30.7#



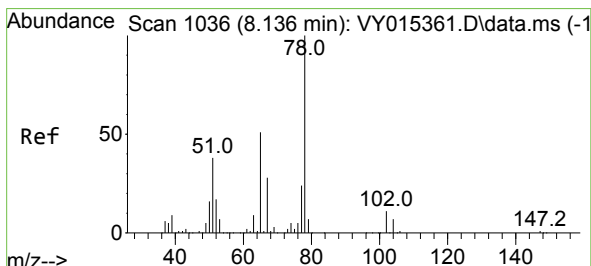
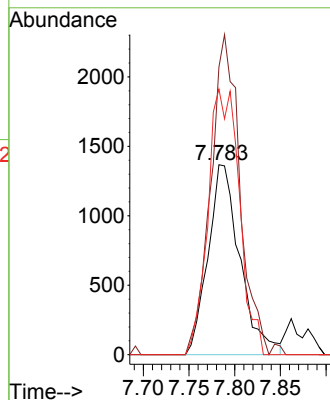
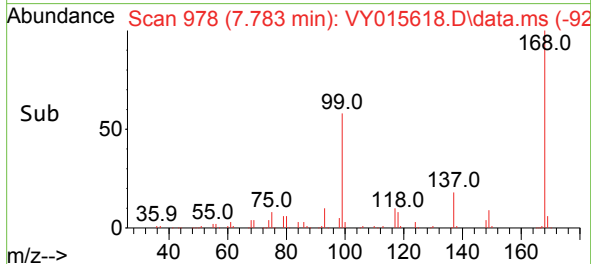


#31
Cyclohexane
Concen: 1.206 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :

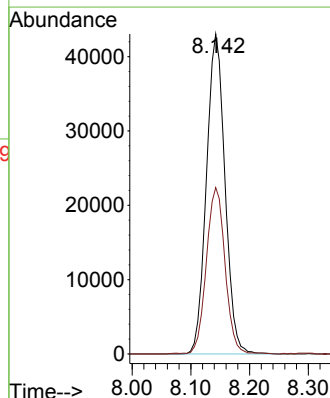
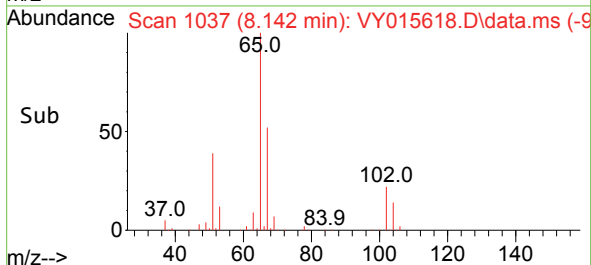
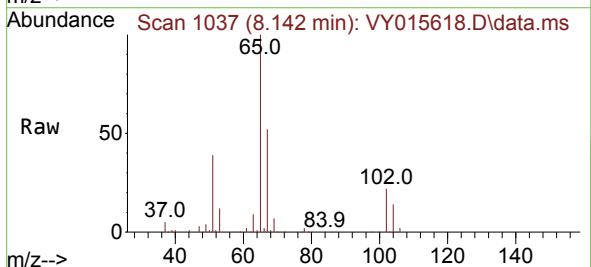


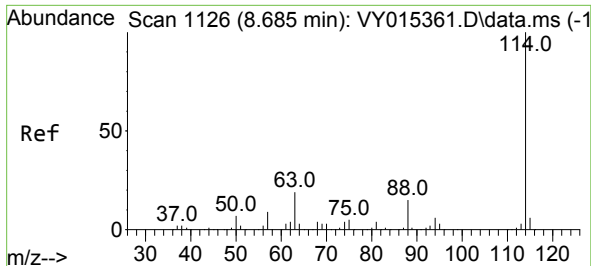
Tgt Ion: 56 Resp: 3314
Ion Ratio Lower Upper
56 100
69 151.4 27.8 41.6#
84 139.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.980 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Tgt Ion: 65 Resp: 94354
Ion Ratio Lower Upper
65 100
67 52.6 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: VY015618.D

Acq: 18 Sep 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

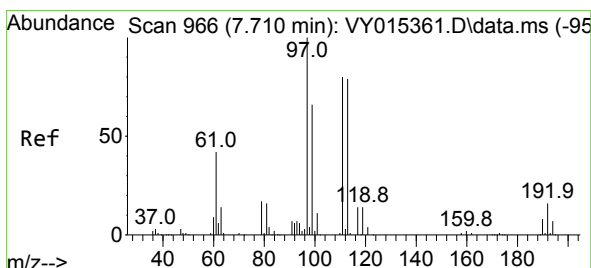
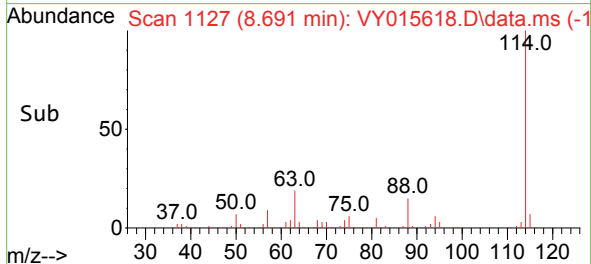
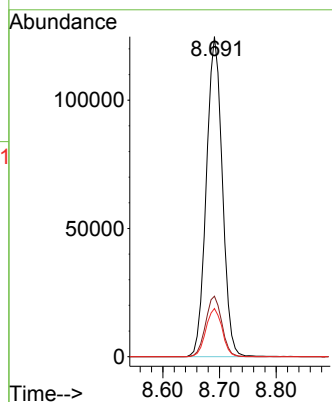
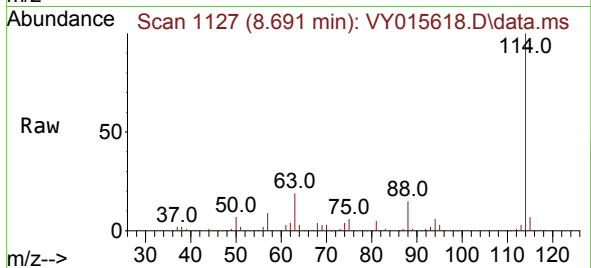
Tgt Ion:114 Resp: 243880

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.081 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

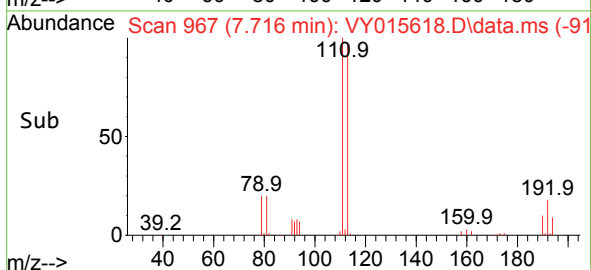
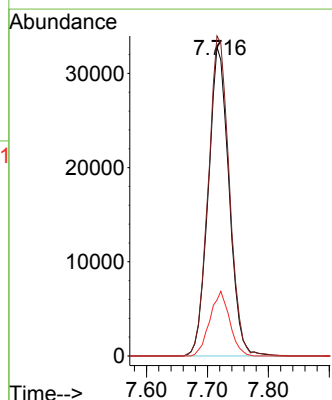
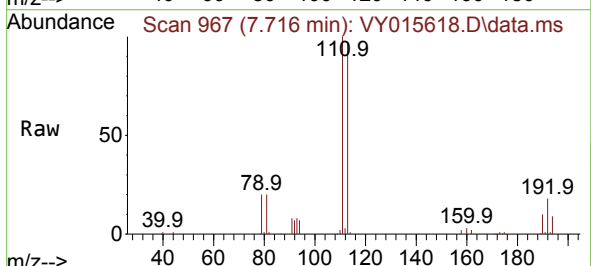
Tgt Ion:113 Resp: 77372

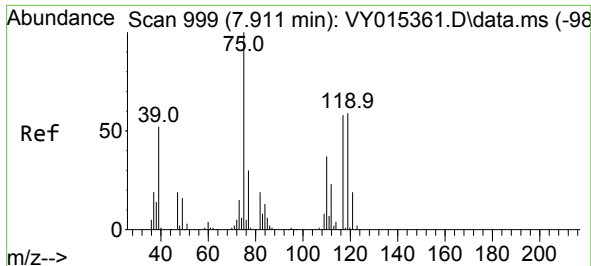
Ion Ratio Lower Upper

113 100

111 105.3 81.3 121.9

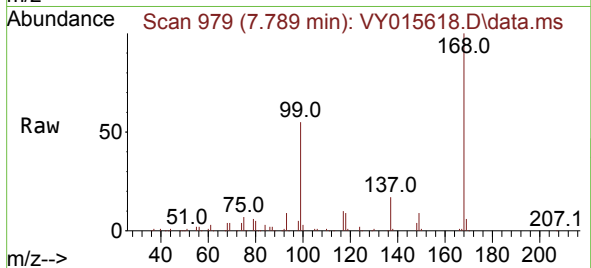
192 20.1 16.9 25.3



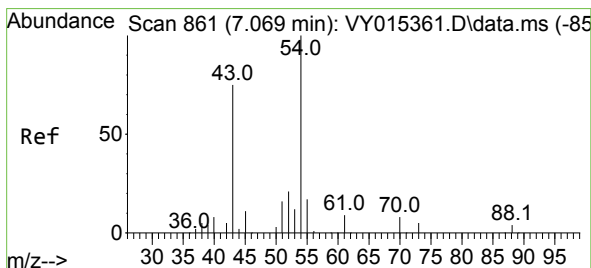
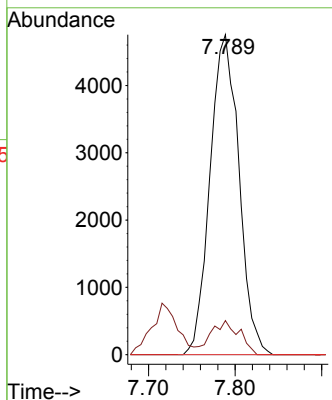
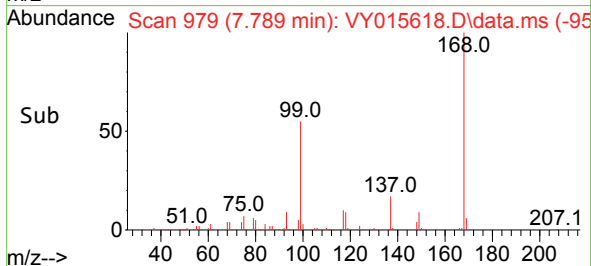


#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY015618.D
 Acq: 18 Sep 2023 16:35

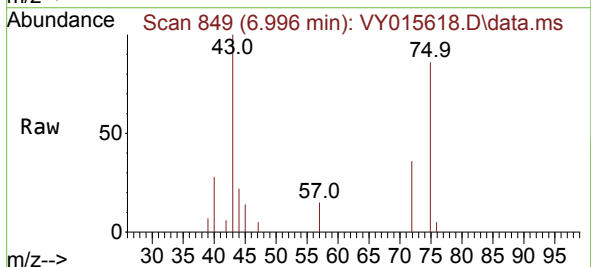
Instrument :
 MSVOA_Y
 ClientSampleId :



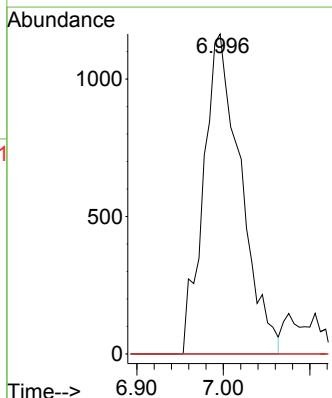
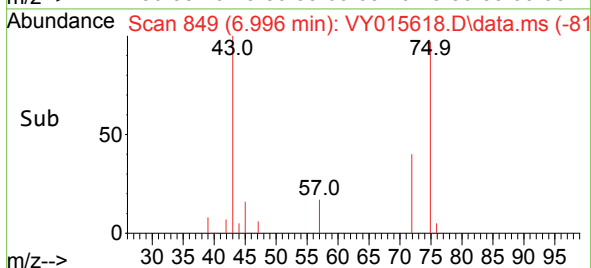
Tgt Ion: 75 Resp: 11008
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.8 53.5#
 77 0.0 24.4 36.6#

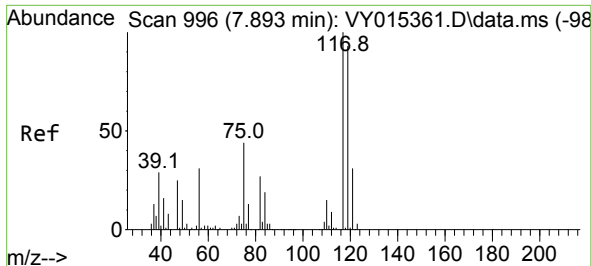


#37
 Ethyl Acetate
 Concen: 1.825 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. -0.067 min
 Lab File: VY015618.D
 Acq: 18 Sep 2023 16:35



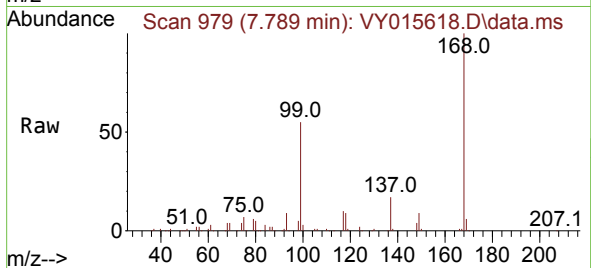
Tgt Ion: 43 Resp: 3472
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.1 15.1#
 70 0.0 7.1 10.7#



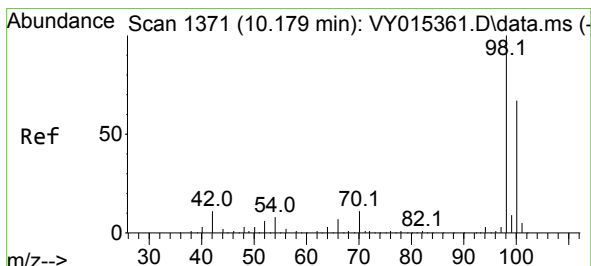
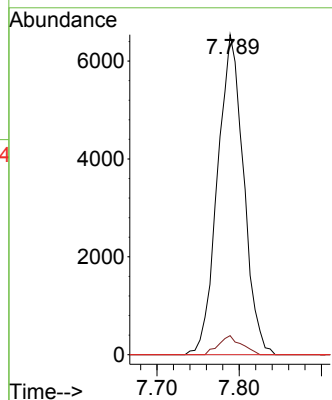
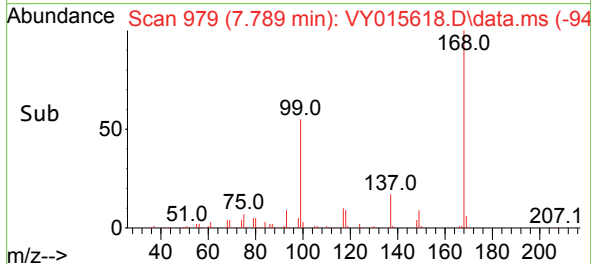


#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :

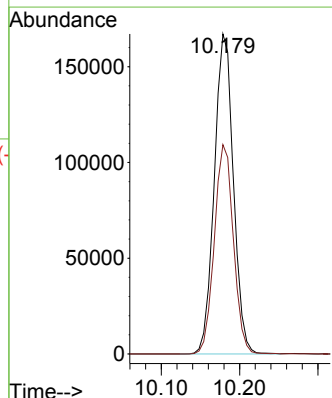
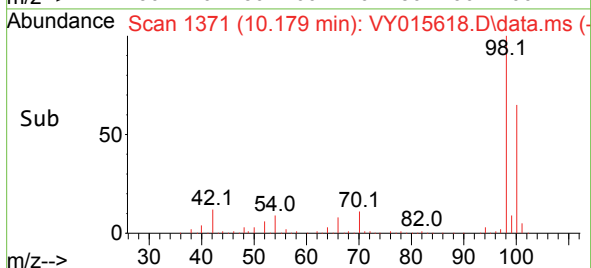
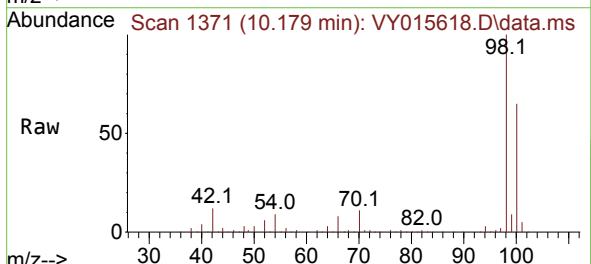


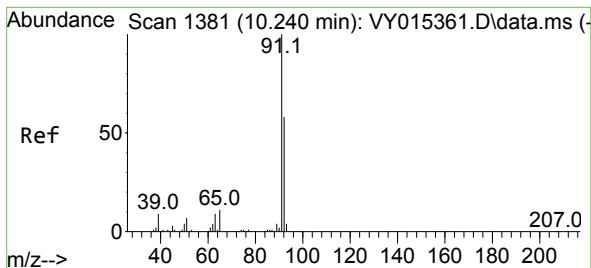
Tgt Ion:117 Resp: 14382
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.659 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015618.D
Acq: 18 Sep 2023 16:35

Tgt Ion: 98 Resp: 283133
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1





#52

Toluene

Concen: 23.385 ug/l

RT: 10.246 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

Instrument :

MSVOA_Y

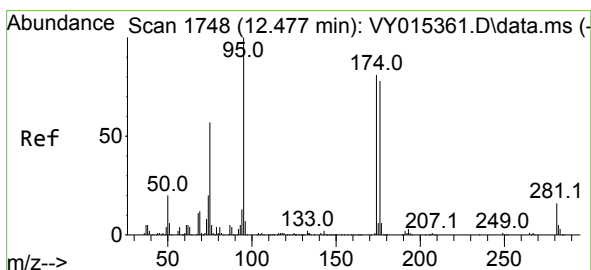
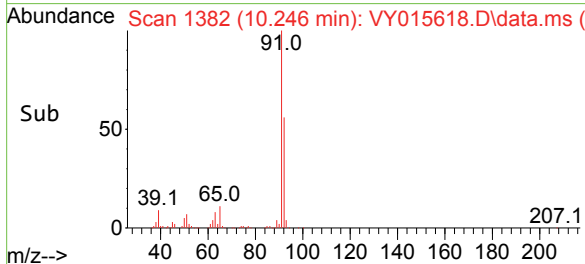
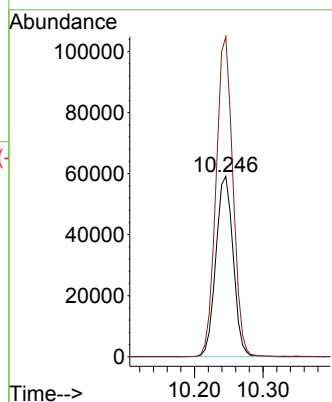
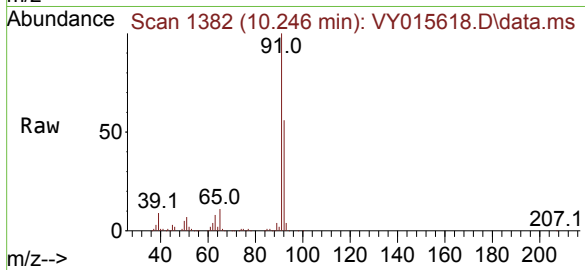
ClientSampleId :

Tgt Ion: 92 Resp: 103143

Ion Ratio Lower Upper

92 100

91 173.8 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.179 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

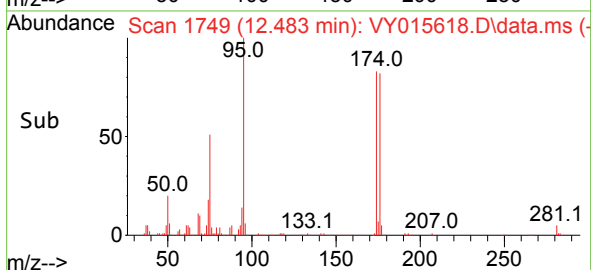
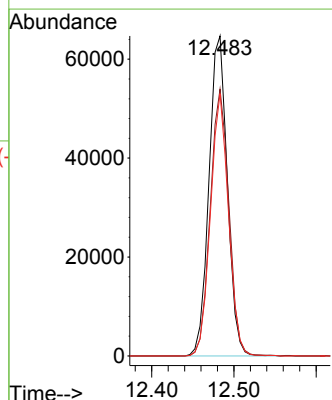
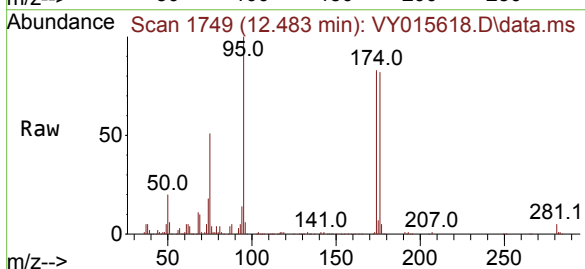
Tgt Ion: 95 Resp: 100427

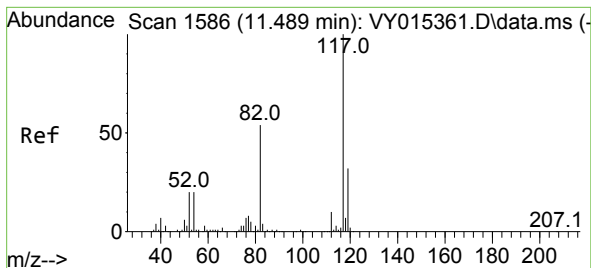
Ion Ratio Lower Upper

95 100

174 84.6 0.0 178.2

176 80.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

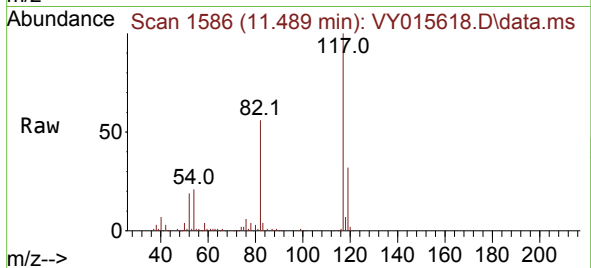
Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :



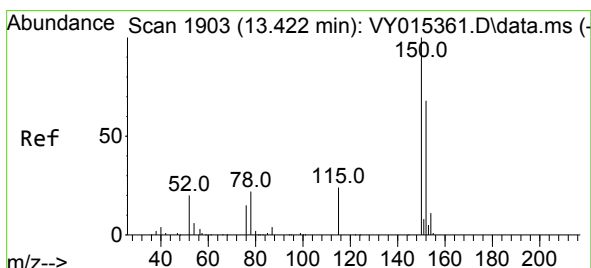
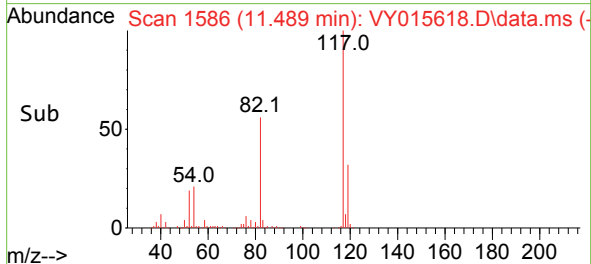
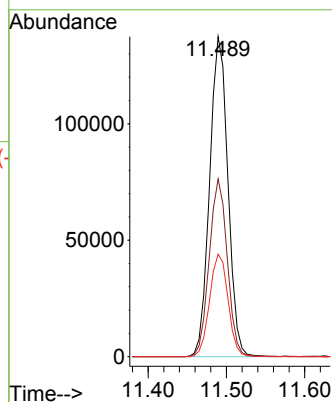
Tgt Ion:117 Resp: 222317

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

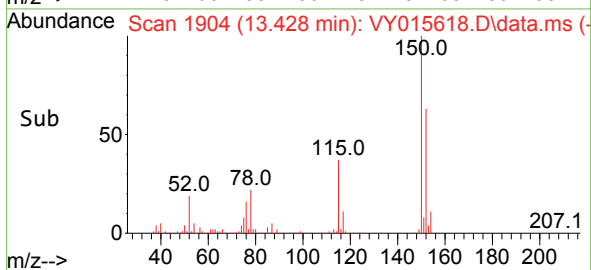
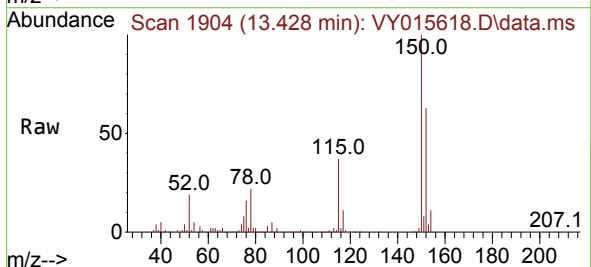
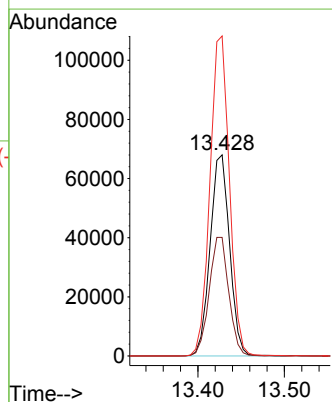
Tgt Ion:152 Resp: 106182

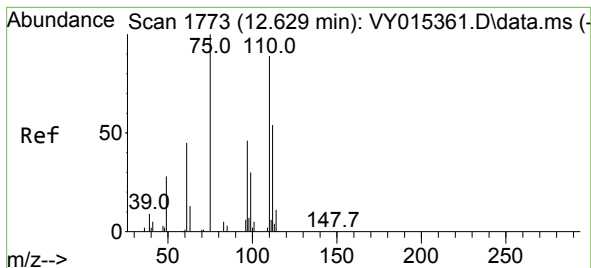
Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 158.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 37.963 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

Instrument :

MSVOA_Y

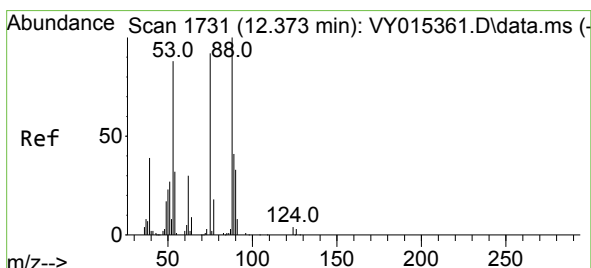
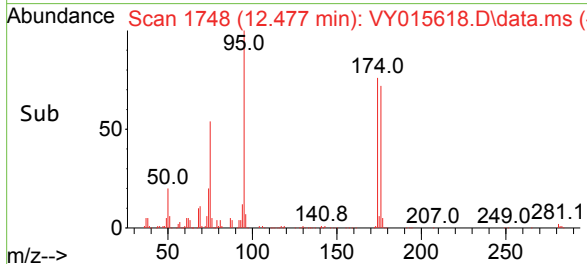
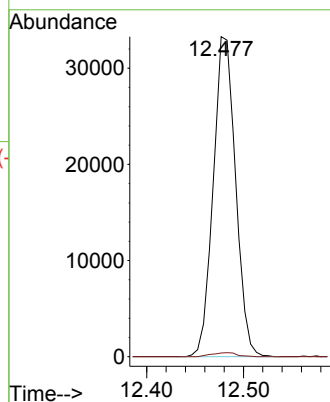
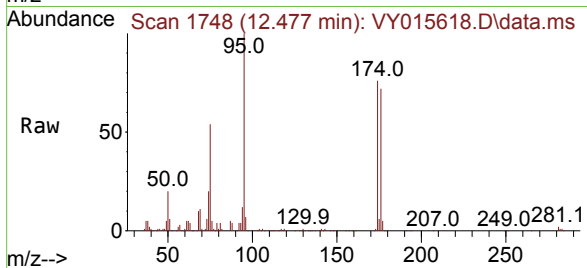
ClientSampleId :

Tgt Ion: 75 Resp: 53455

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.742 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.097 min

Lab File: VY015618.D

Acq: 18 Sep 2023 16:35

Tgt Ion: 75 Resp: 53455

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#

