

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015598.D
 Acq On : 16 Sep 2023 03:33
 Operator : SY/MD
 Sample : 04419-10
 Misc : 6.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 16 05:29:27 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	7.801	168	223424	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	378382	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.502	117	344186	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	163621	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	144345	60.267	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.540%
35) Dibromofluoromethane	7.728	113	119249	54.716	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.440%
50) Toluene-d8	10.191	98	444039	56.261	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.520%
62) 4-Bromofluorobenzene	12.489	95	152334	51.992	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.980%

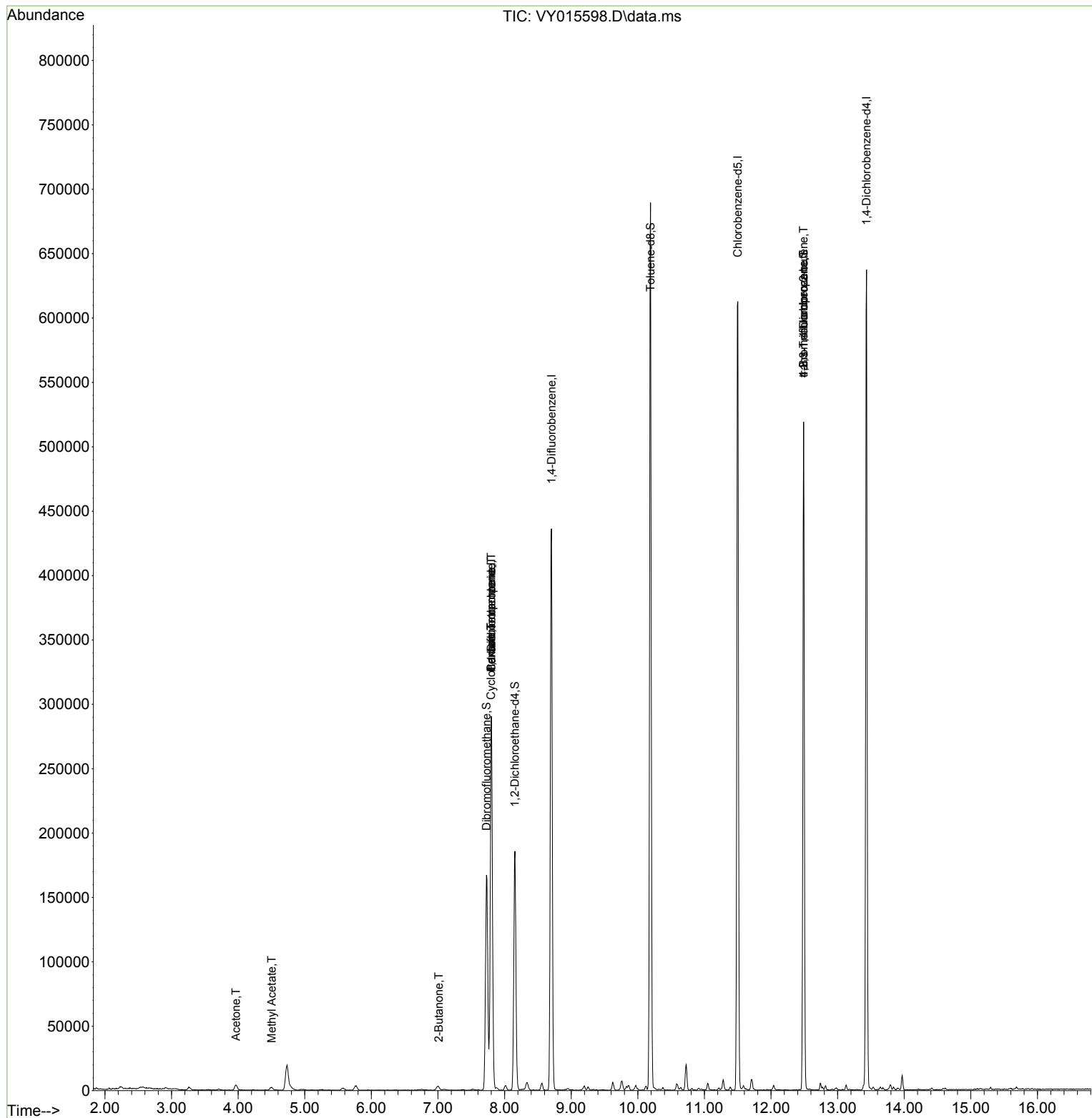
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	562	Below Cal	#	89
16) Acetone	3.966	43	7297	7.299	ug/l	93
18) Methyl Acetate	4.503	43	4589	1.267	ug/l	98
20) Methylene Chloride	4.734	84	14542	Below Cal		93
25) 2-Butanone	7.015	43	1990	1.403	ug/l #	79
31) Cyclohexane	7.795	56	5189	1.220	ug/l #	15
36) 1,1-Dichloropropene	7.801	75	17423	4.553	ug/l #	50
38) Carbon Tetrachloride	7.801	117	22499	5.693	ug/l #	15
76) 1,2,3-Trichloropropane	12.489	75	80654	37.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	80654	81.996	ug/l #	11

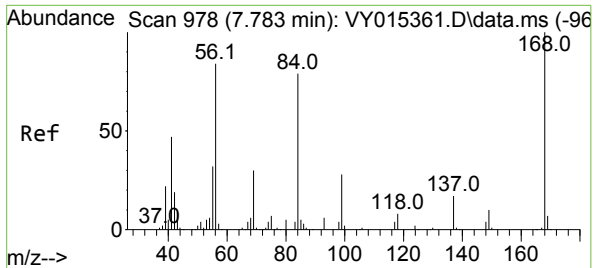
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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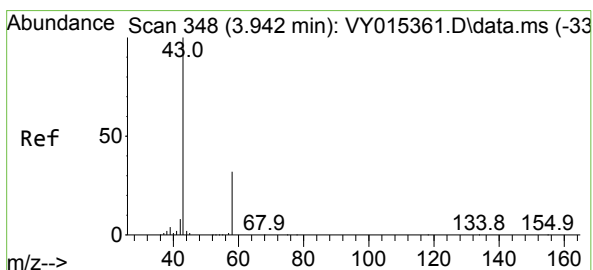
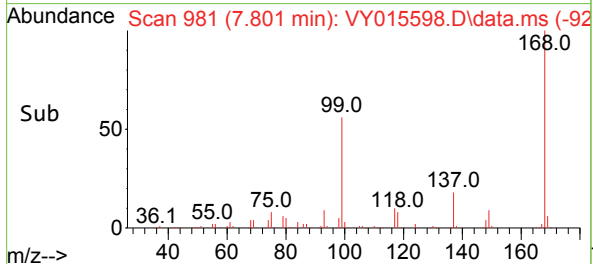
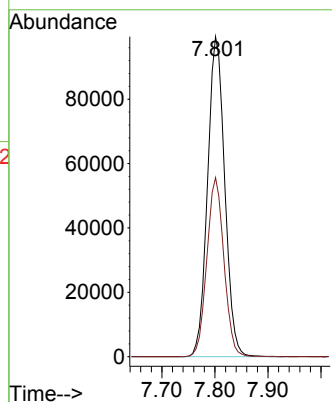
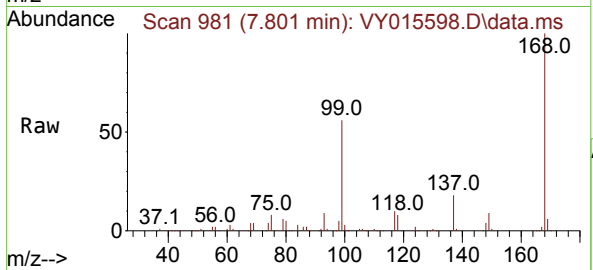




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

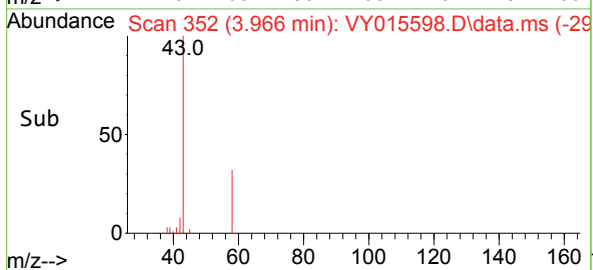
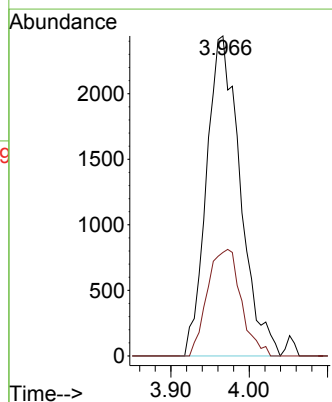
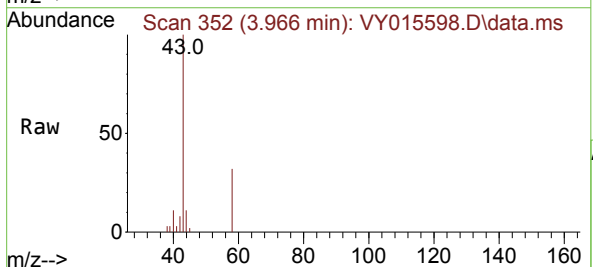
Instrument :
MSVOA_Y
ClientSampleId :

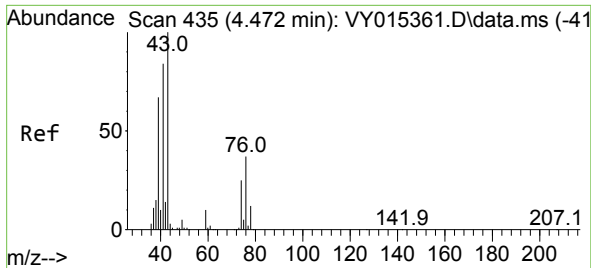
Tgt Ion:168 Resp: 223424
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#16
Acetone
Concen: 7.299 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.024 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

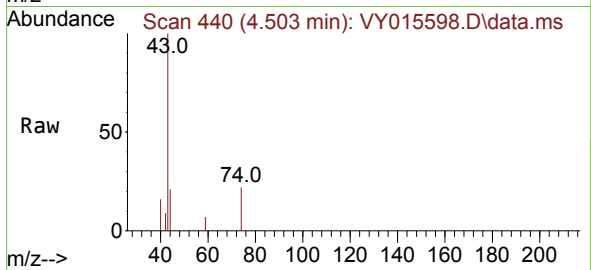
Tgt Ion: 43 Resp: 7297
Ion Ratio Lower Upper
43 100
58 32.3 22.7 34.1



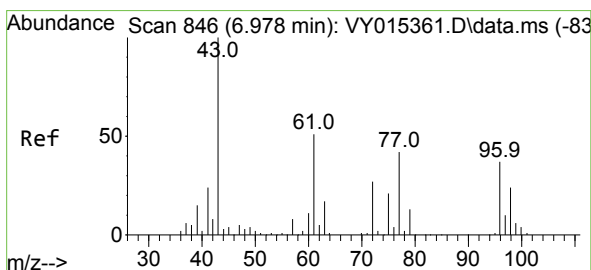
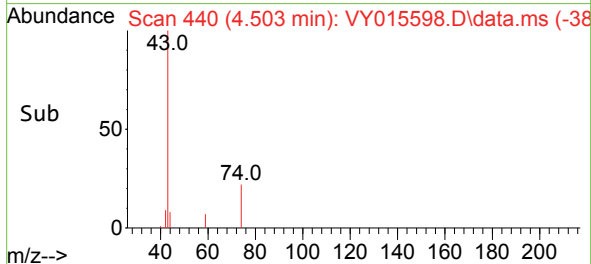
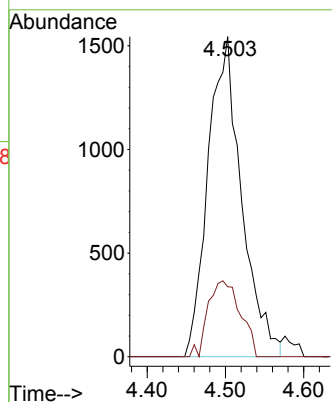


#18
Methyl Acetate
Concen: 1.267 ug/l
RT: 4.503 min Scan# 441
Delta R.T. 0.030 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Instrument :
MSVOA_Y
ClientSampleId :

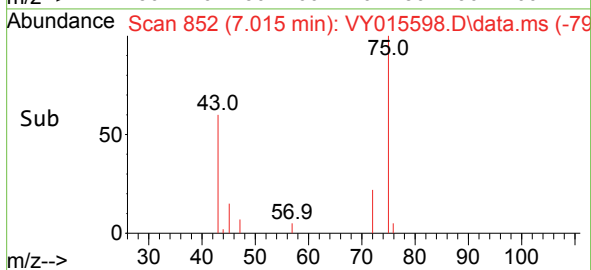
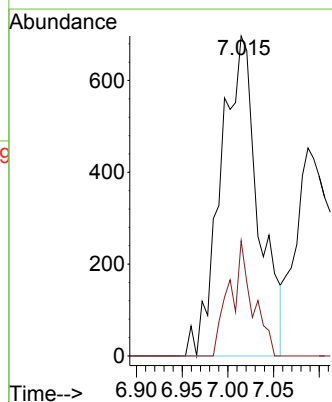
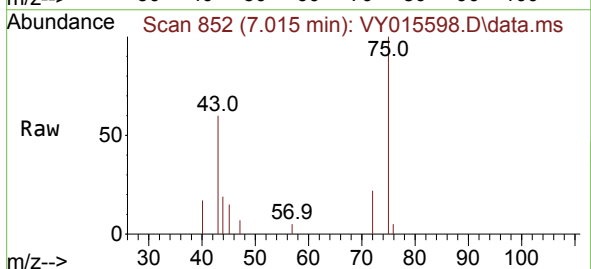


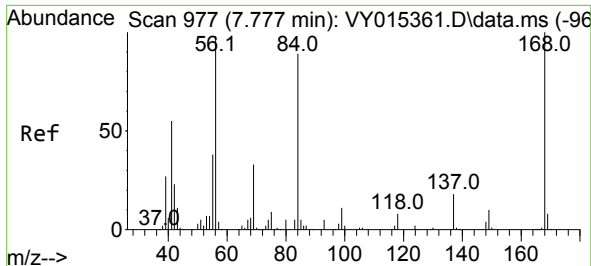
Tgt Ion: 43 Resp: 4589
Ion Ratio Lower Upper
43 100
74 22.9 17.4 26.0



#25
2-Butanone
Concen: 1.403 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.036 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

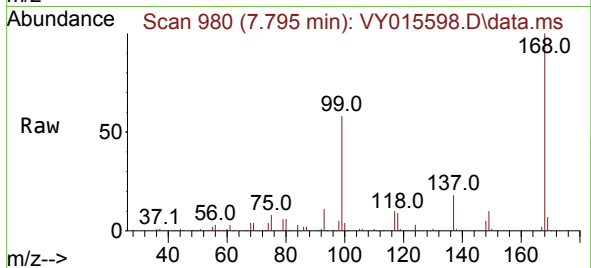
Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
72 36.0 20.5 30.7#



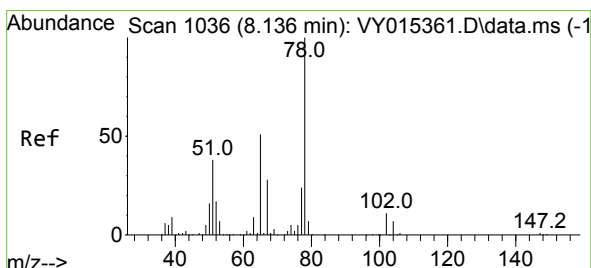
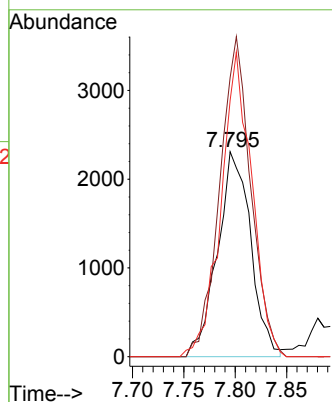
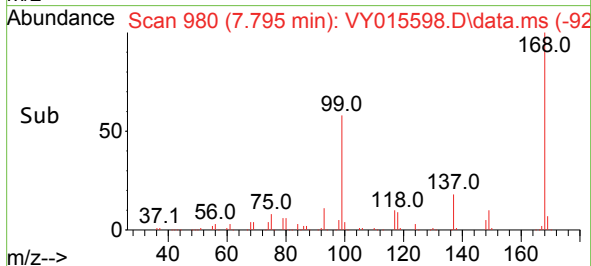


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Instrument :
MSVOA_Y
ClientSampleId :

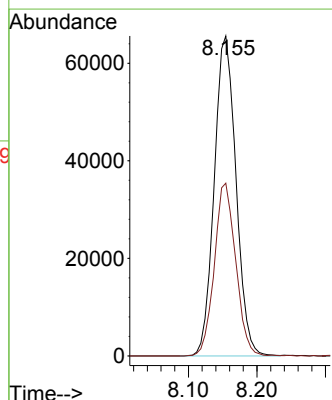
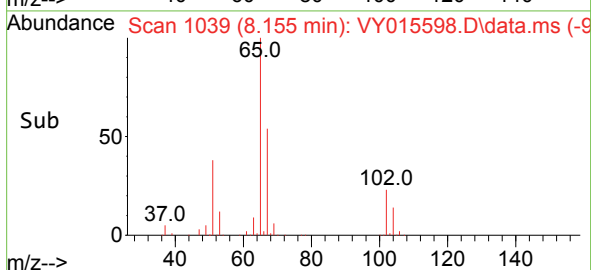
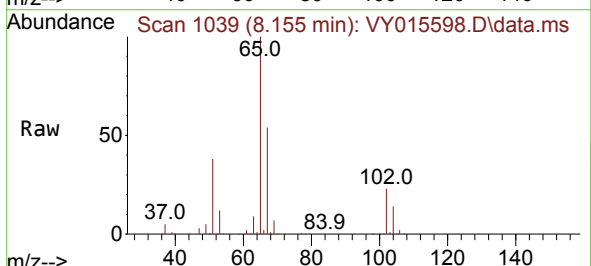


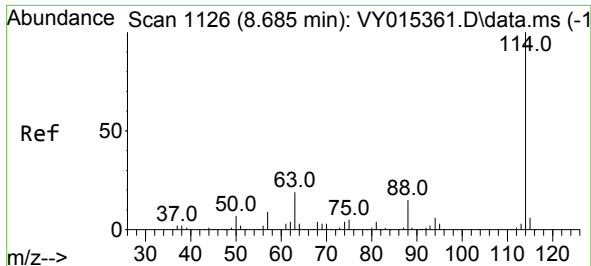
Tgt Ion: 56 Resp: 5189
Ion Ratio Lower Upper
56 100
69 136.2 27.8 41.6#
84 125.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.267 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Tgt Ion: 65 Resp: 144345
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.018 min

Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

Instrument :

MSVOA_Y

ClientSampleId :

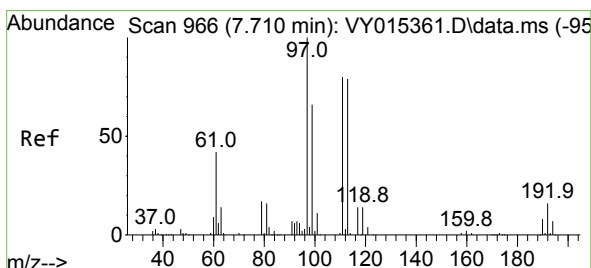
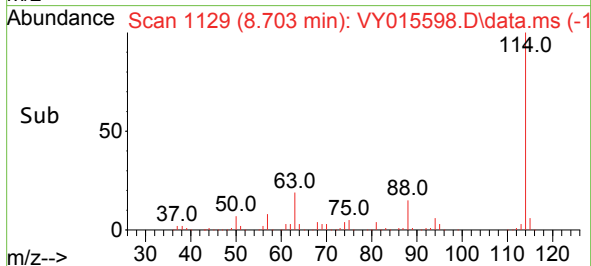
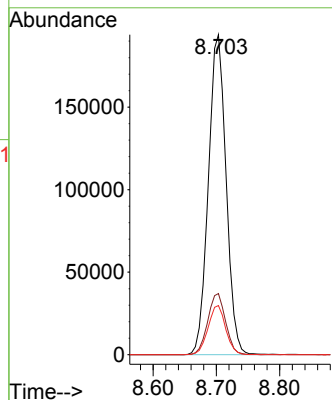
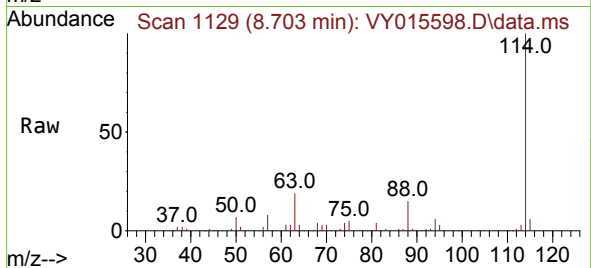
Tgt Ion:114 Resp: 378382

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.716 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

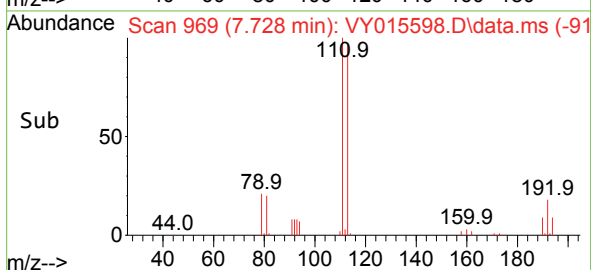
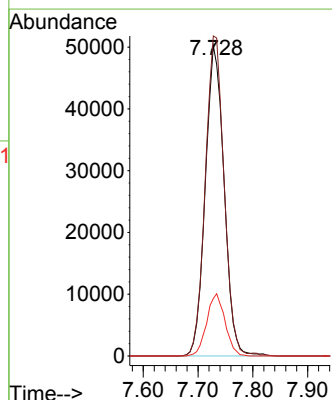
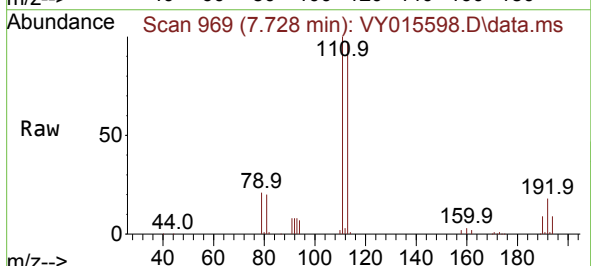
Tgt Ion:113 Resp: 119249

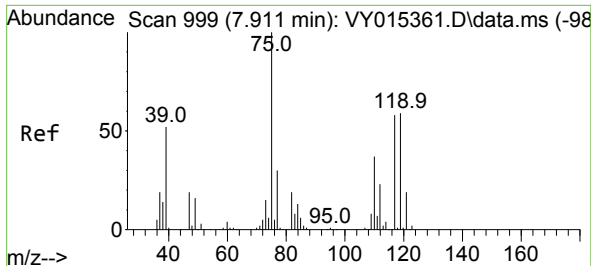
Ion Ratio Lower Upper

113 100

111 103.4 81.3 121.9

192 19.6 16.9 25.3

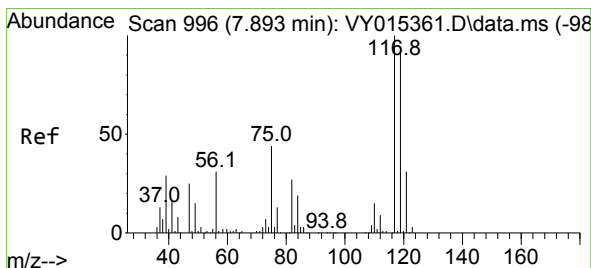
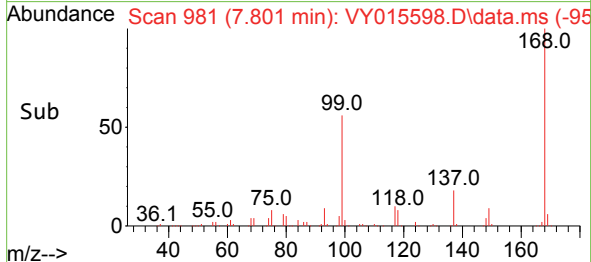
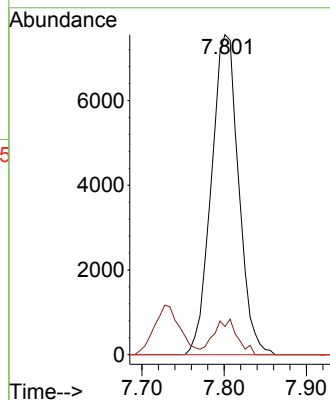
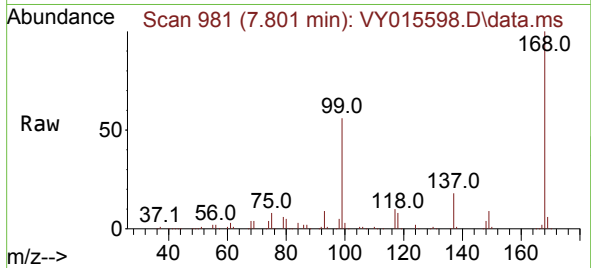




#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

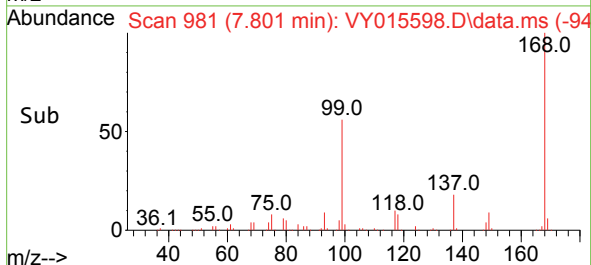
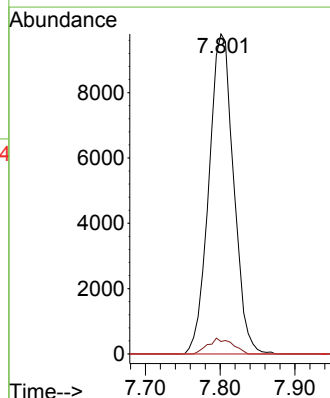
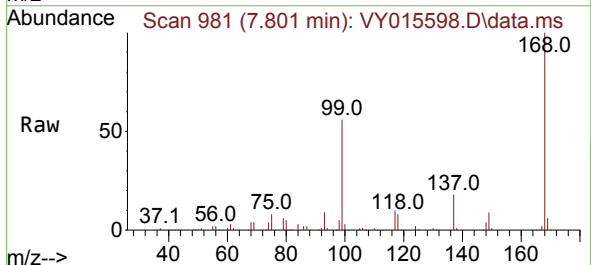
Instrument :
MSVOA_Y
ClientSampleId :

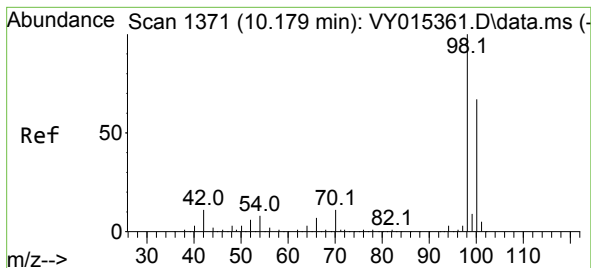
Tgt Ion: 75 Resp: 17423
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.092 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Tgt Ion: 117 Resp: 22499
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 56.261 ug/l

RT: 10.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

Instrument :

MSVOA_Y

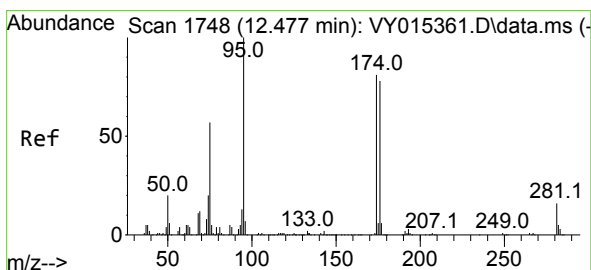
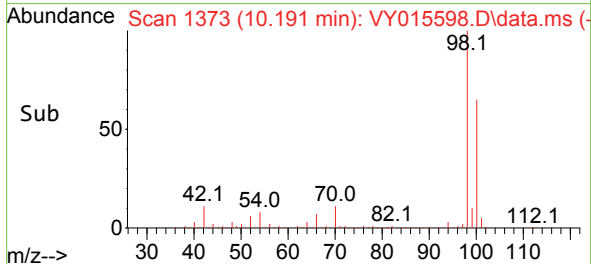
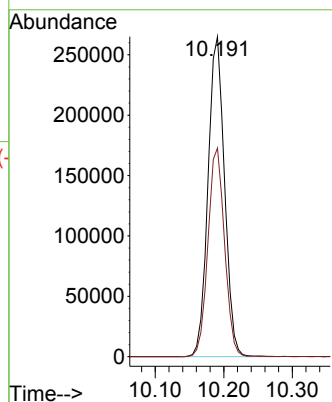
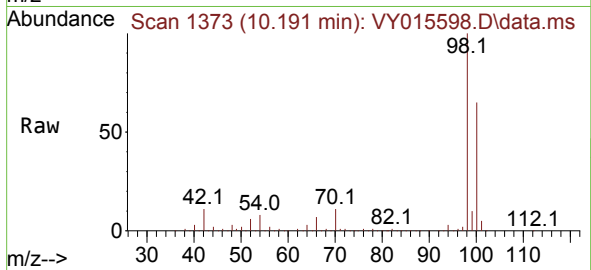
ClientSampleId :

Tgt Ion: 98 Resp: 444039

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 51.992 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

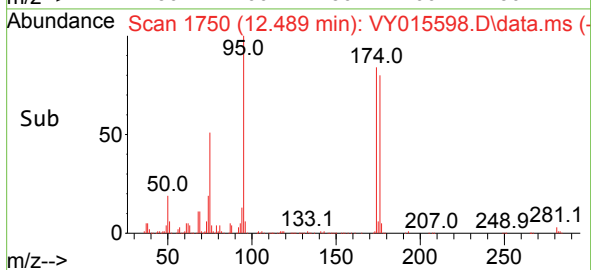
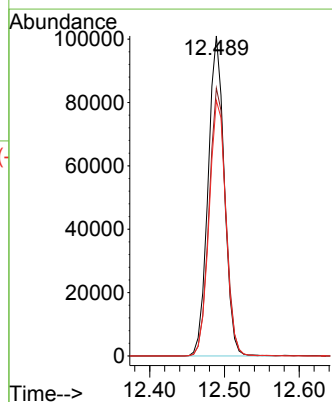
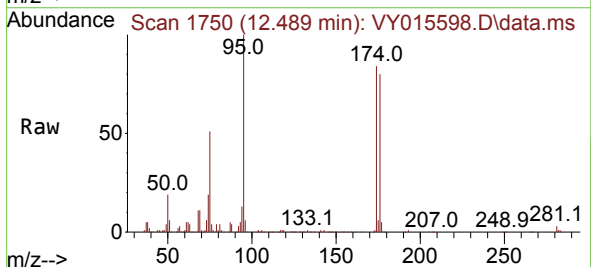
Tgt Ion: 95 Resp: 152334

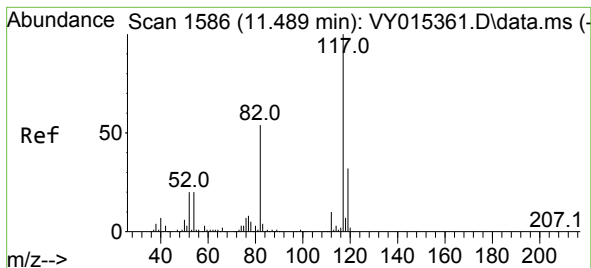
Ion Ratio Lower Upper

95 100

174 86.0 0.0 178.2

176 82.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.012 min

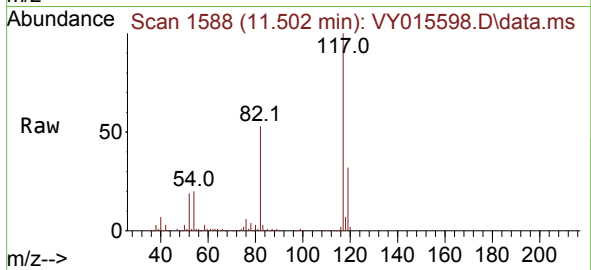
Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

Instrument :

MSVOA_Y

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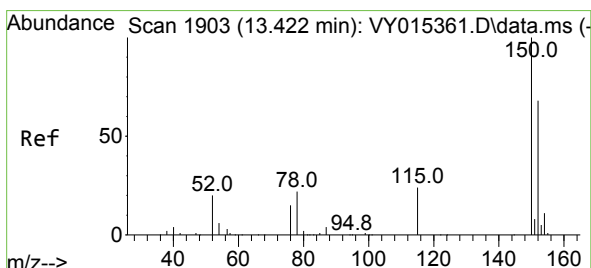
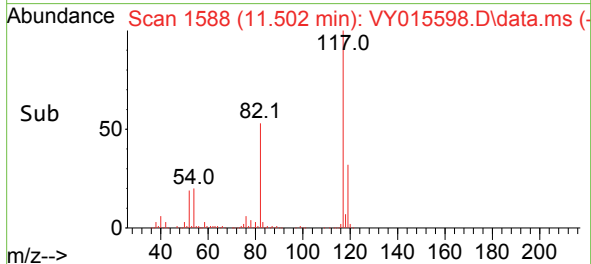
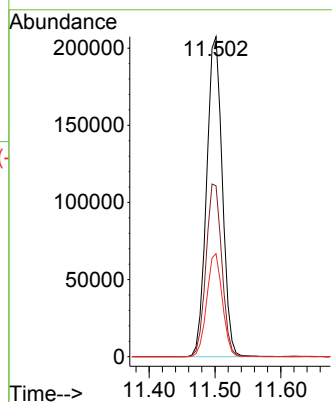
Tgt Ion:117 Resp: 344186

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015598.D

Acq: 16 Sep 2023 03:33

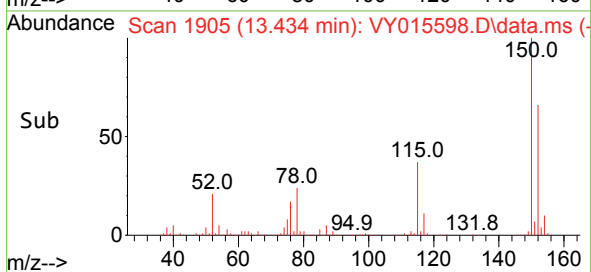
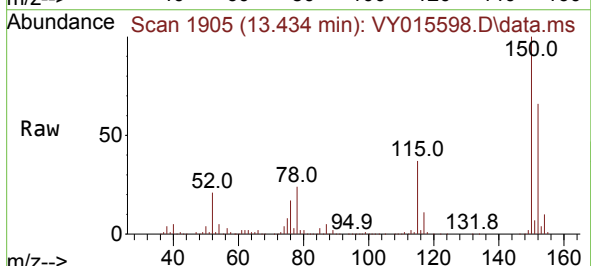
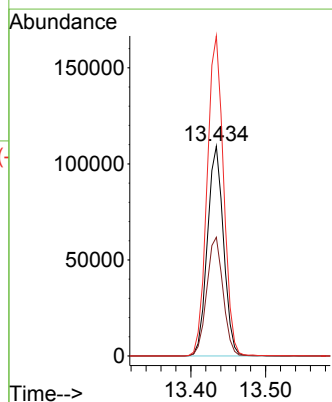
Tgt Ion:152 Resp: 163621

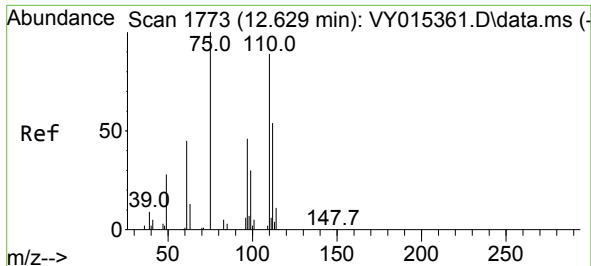
Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 155.5 0.0 348.8

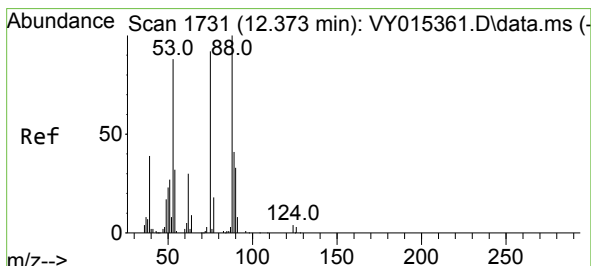
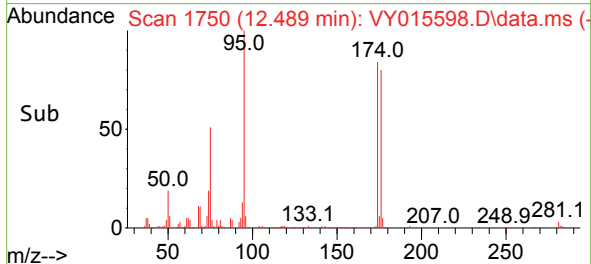
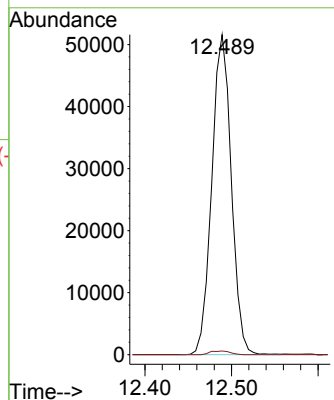
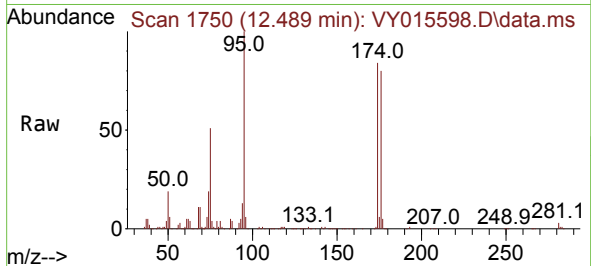




#76
1,2,3-Trichloropropane
Concen: 37.171 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 80654
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.996 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY015598.D
Acq: 16 Sep 2023 03:33

Tgt Ion: 75 Resp: 80654
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

