

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015491.D
 Acq On : 11 Sep 2023 16:52
 Operator : SY/MD
 Sample : 04363-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 01:19:54 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	7.783	168	322409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	528237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	479157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	232453	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	201995	58.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.880%
35) Dibromofluoromethane	7.710	113	166242	54.639	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.280%
50) Toluene-d8	10.173	98	618786	56.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.320%
62) 4-Bromofluorobenzene	12.477	95	220449	53.895	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.800%

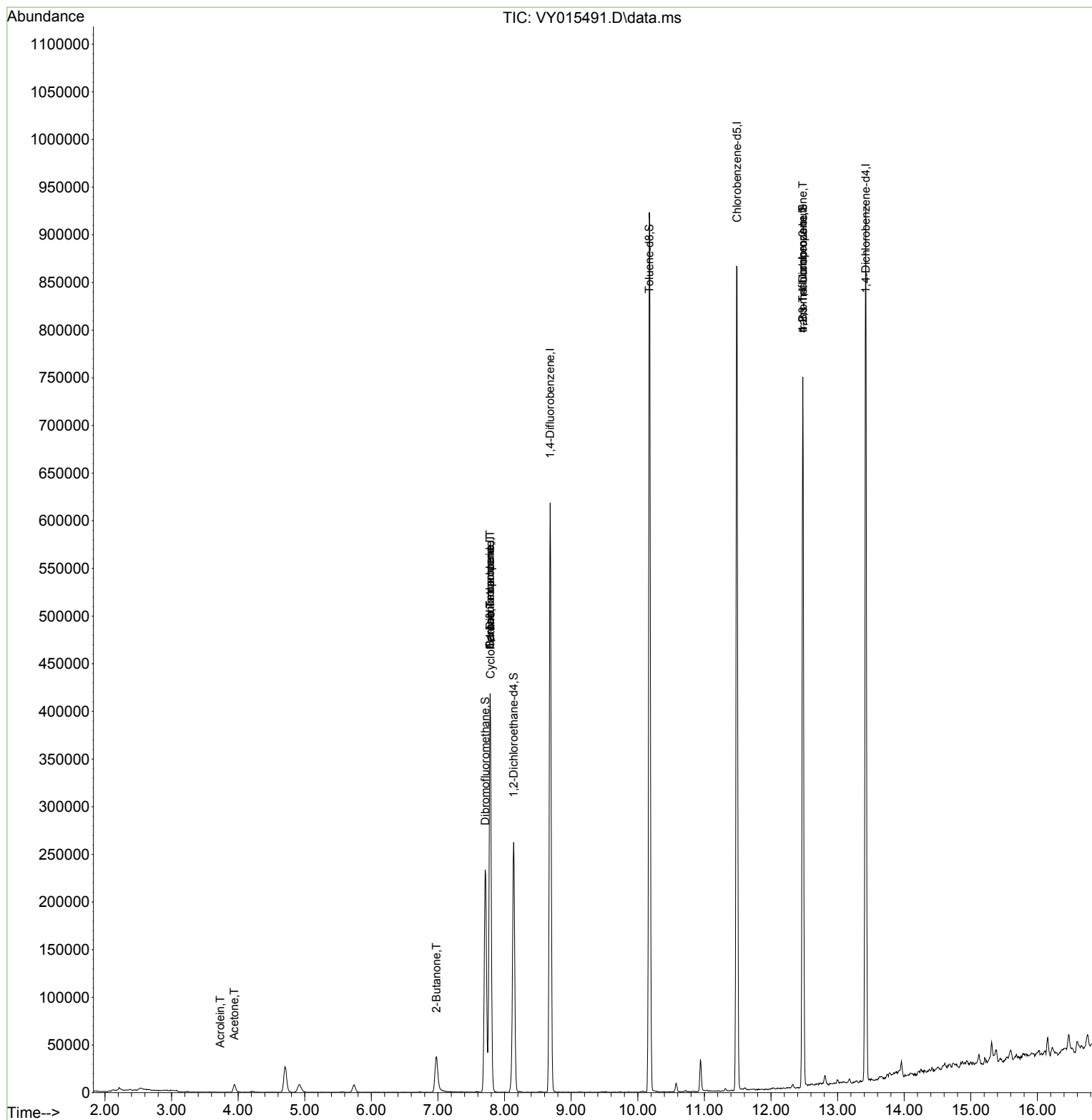
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.924	59	9690	Below Cal	#	90
13) Acrolein	3.729	56	22	11.668	ug/l #	1
16) Acetone	3.942	43	14209	9.850	ug/l	97
20) Methylene Chloride	4.710	84	20332	Below Cal		93
25) 2-Butanone	6.978	43	3288	1.607	ug/l	93
31) Cyclohexane	7.789	56	6597	1.075	ug/l #	11
36) 1,1-Dichloropropene	7.783	75	24362	4.560	ug/l #	50
38) Carbon Tetrachloride	7.783	117	31996	5.799	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	119622	38.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	119622	85.602	ug/l #	11

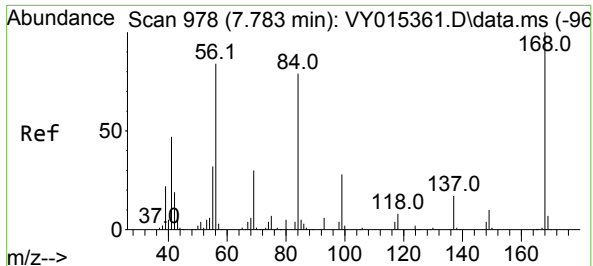
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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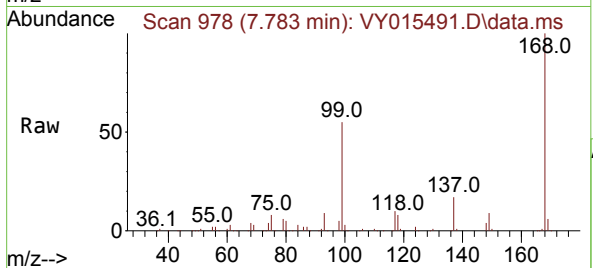
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
Response via : Initial Calibration



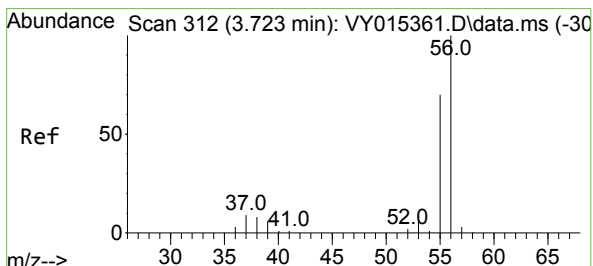
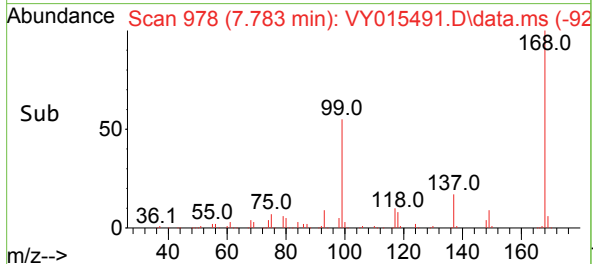
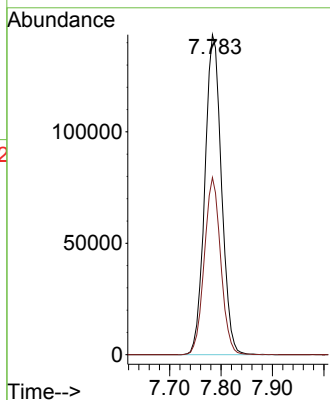


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

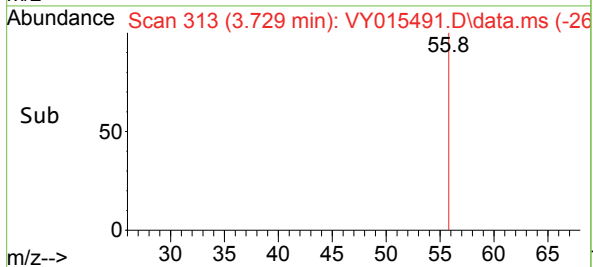
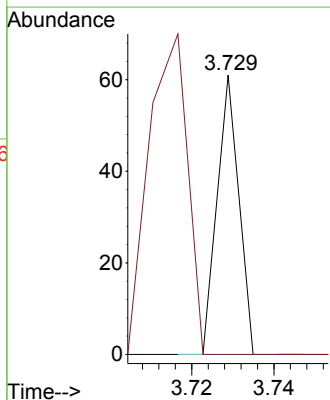
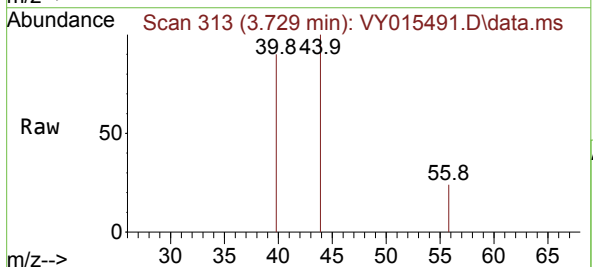


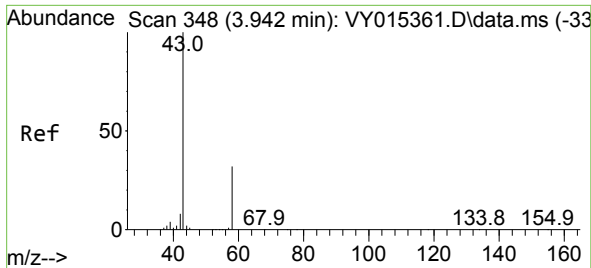
Tgt Ion:168 Resp: 322409
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#13
Acrolein
Concen: 11.668 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 209.1 57.0 85.4#





#16

Acetone

Concen: 9.850 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015491.D

Acq: 11 Sep 2023 16:52

Instrument :

MSVOA_Y

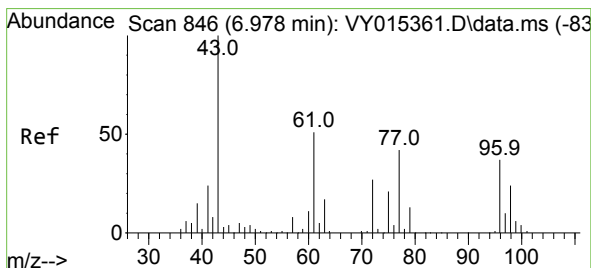
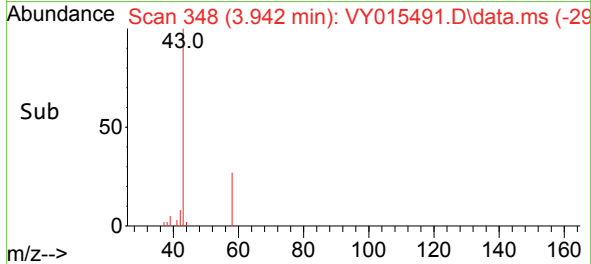
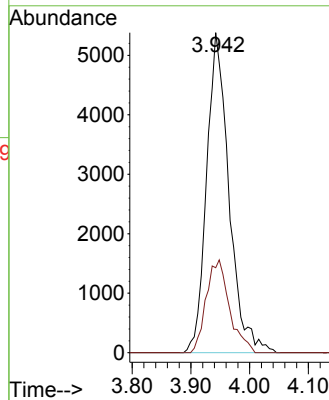
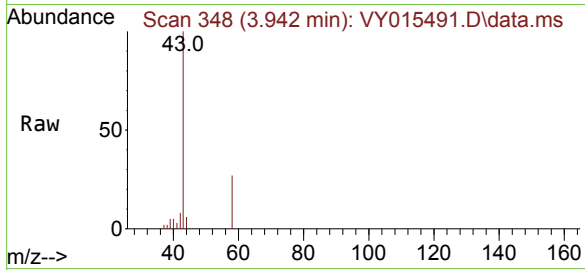
ClientSampleId :

Tgt Ion: 43 Resp: 14209

Ion Ratio Lower Upper

43 100

58 26.6 22.7 34.1



#25

2-Butanone

Concen: 1.607 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015491.D

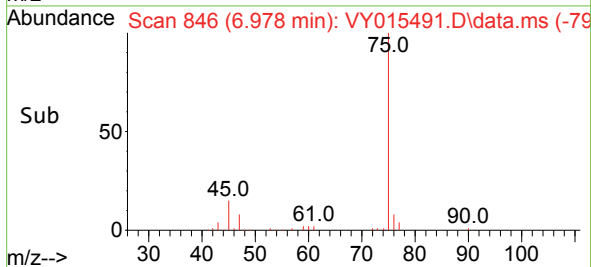
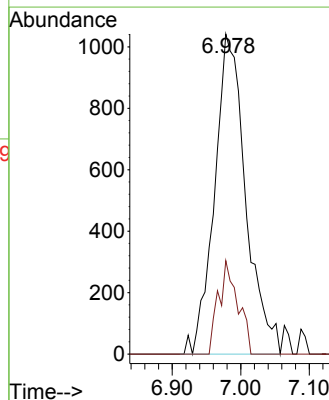
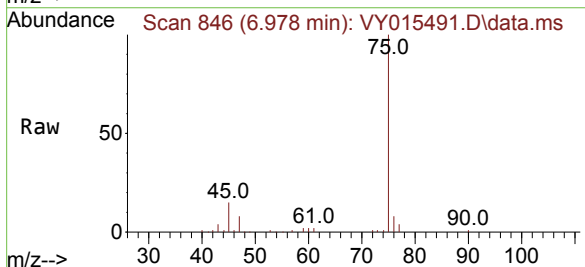
Acq: 11 Sep 2023 16:52

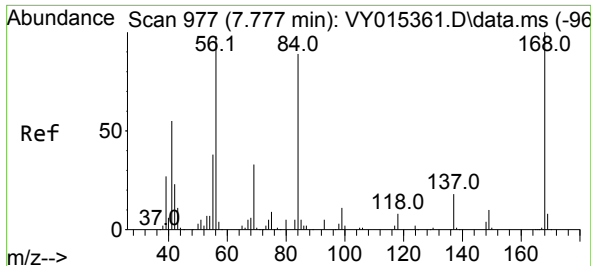
Tgt Ion: 43 Resp: 3288

Ion Ratio Lower Upper

43 100

72 29.2 20.5 30.7

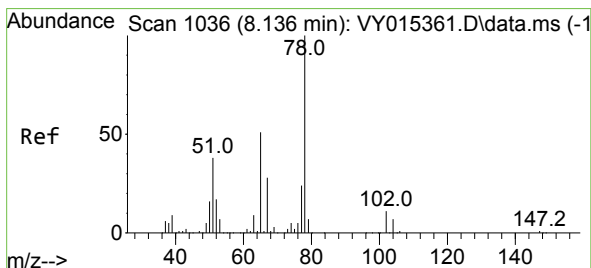
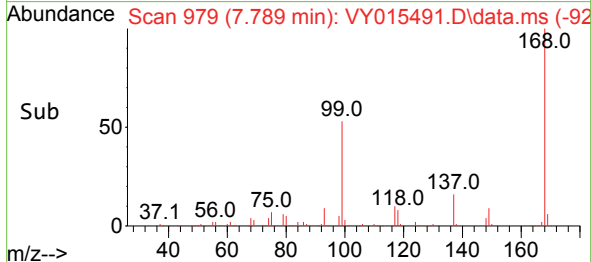
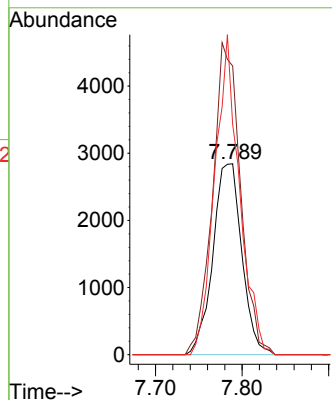
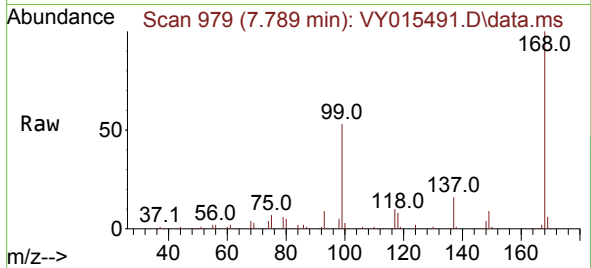




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

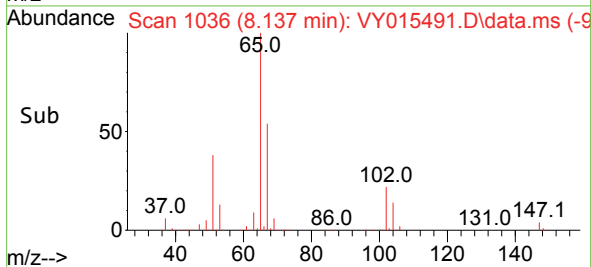
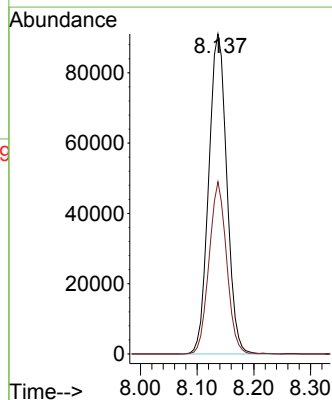
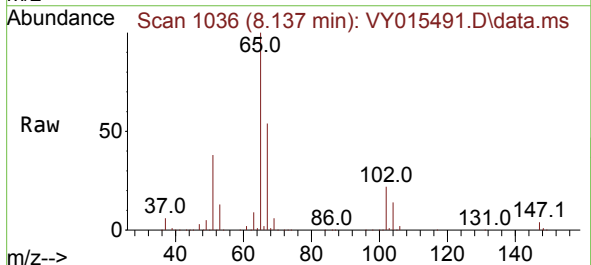
Instrument :
MSVOA_Y
ClientSampleId :

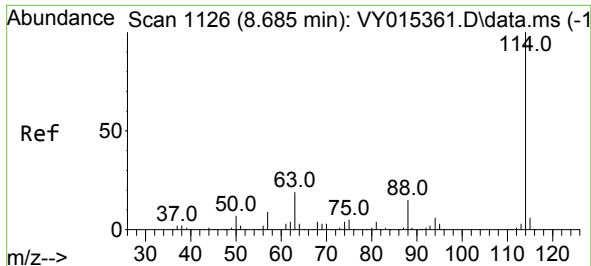
Tgt Ion: 56 Resp: 6597
Ion Ratio Lower Upper
56 100
69 151.2 27.8 41.6#
84 120.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 58.445 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Tgt Ion: 65 Resp: 201995
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8

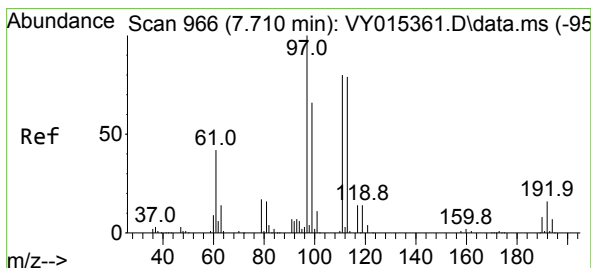
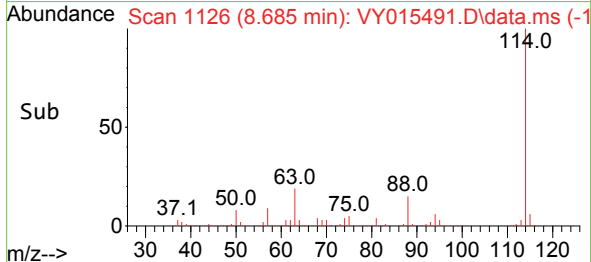
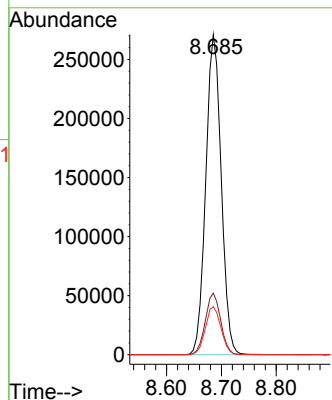
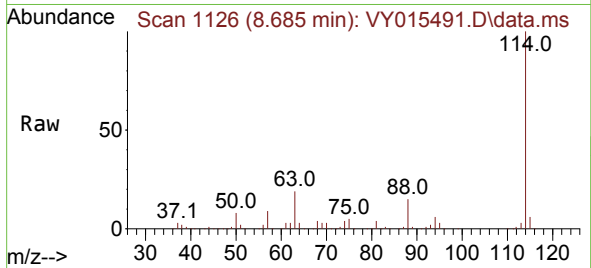




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

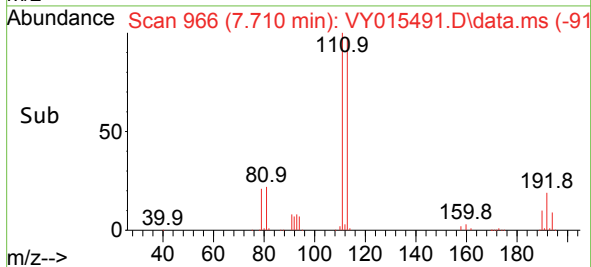
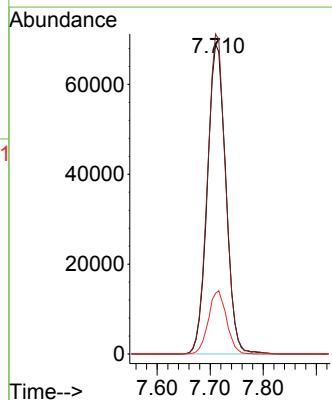
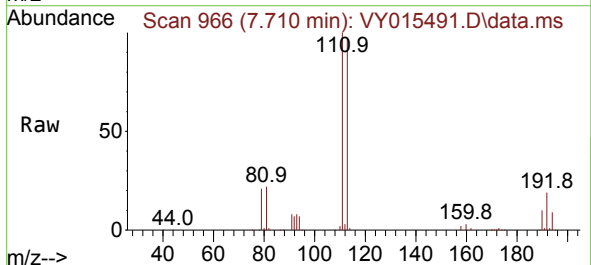
Instrument :
MSVOA_Y
ClientSampleId :

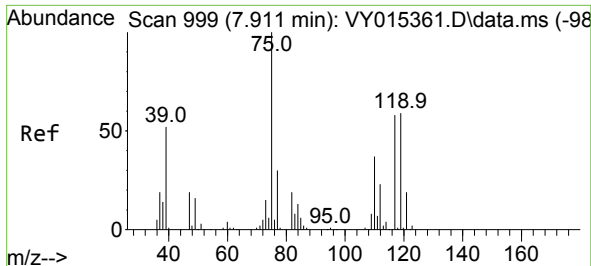
Tgt Ion:114 Resp: 528237
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.639 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Tgt Ion:113 Resp: 166242
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 20.1 16.9 25.3

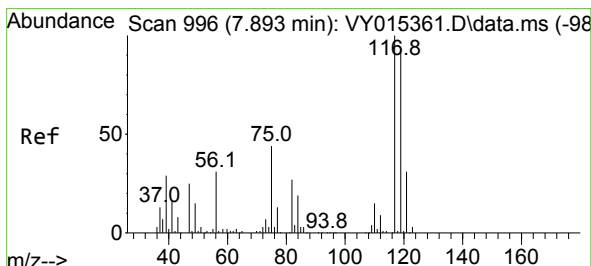
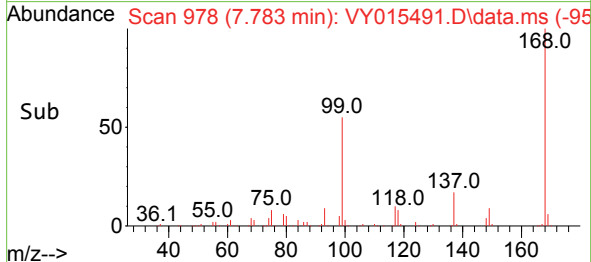
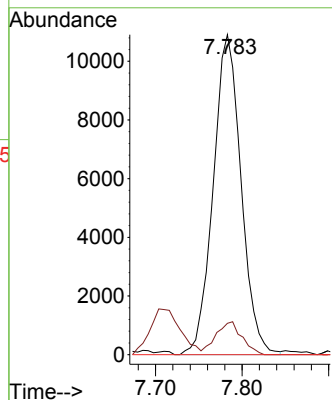
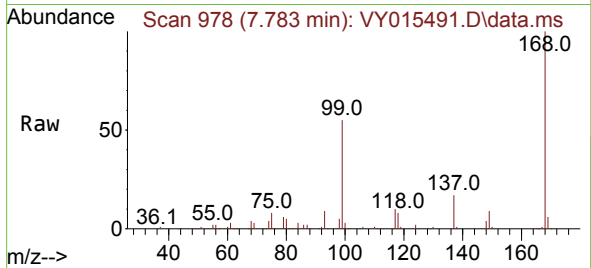




#36
1,1-Dichloropropene
Concen: 4.560 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

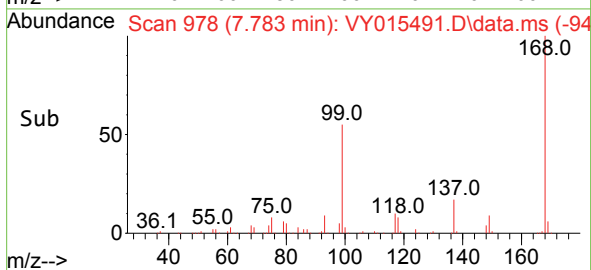
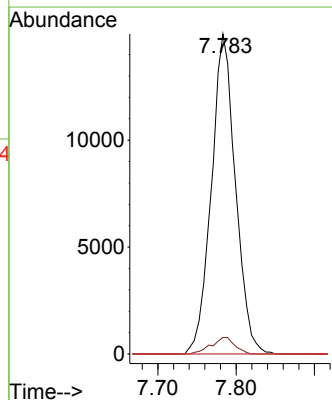
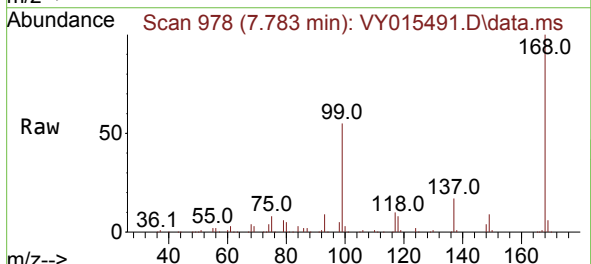
Instrument :
MSVOA_Y
ClientSampleId :

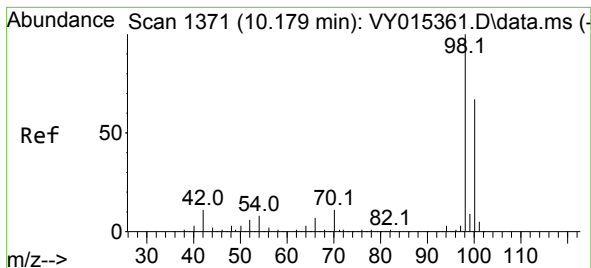
Tgt Ion: 75 Resp: 24362
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Tgt Ion: 117 Resp: 31996
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 56.161 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY015491.D

Acq: 11 Sep 2023 16:52

Instrument :

MSVOA_Y

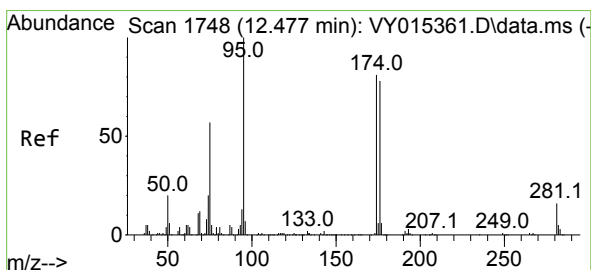
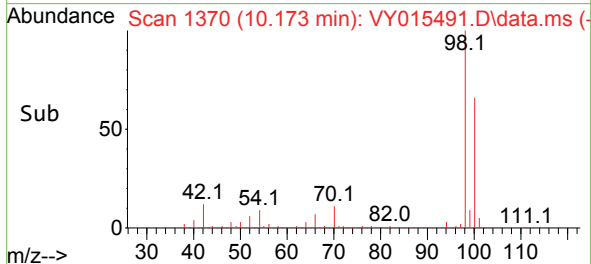
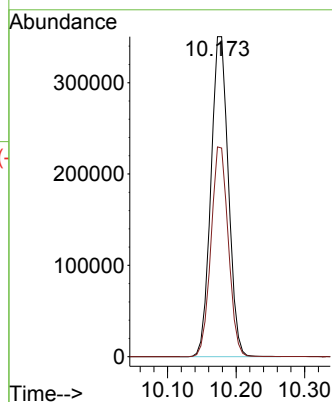
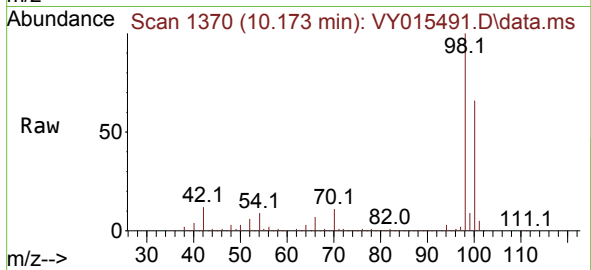
ClientSampleId :

Tgt Ion: 98 Resp: 618786

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 53.895 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015491.D

Acq: 11 Sep 2023 16:52

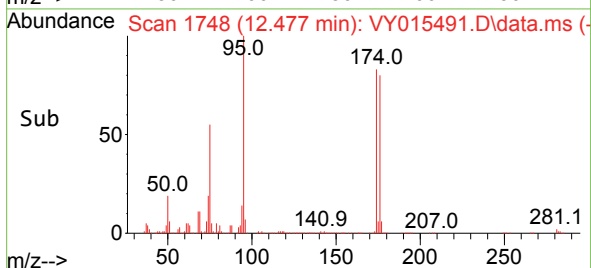
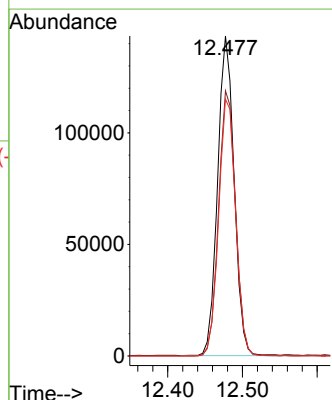
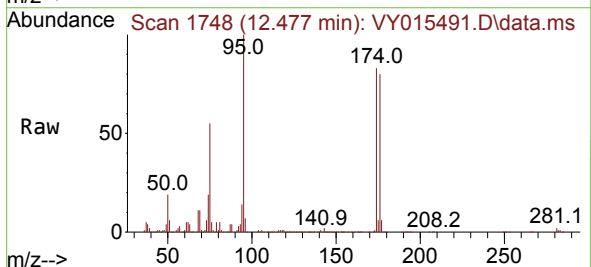
Tgt Ion: 95 Resp: 220449

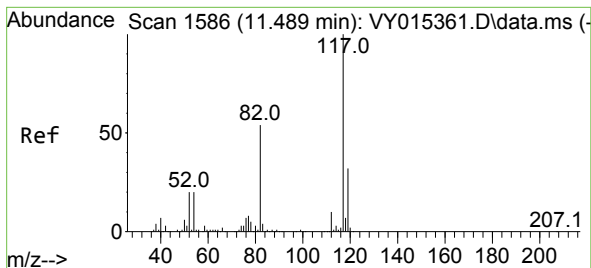
Ion Ratio Lower Upper

95 100

174 85.4 0.0 178.2

176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

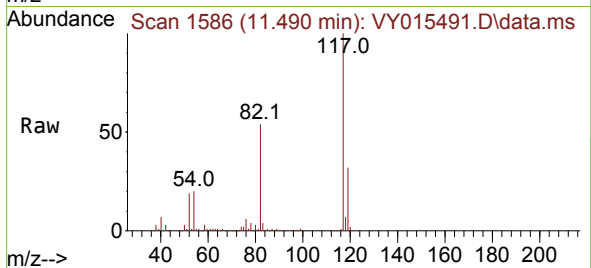
Lab File: VY015491.D

Acq: 11 Sep 2023 16:52

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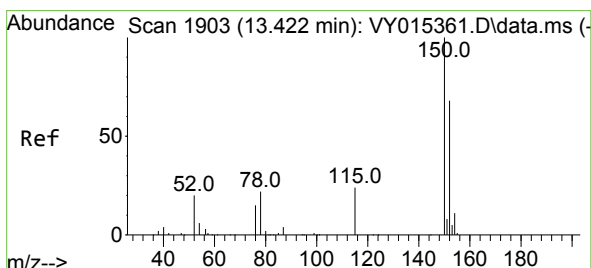
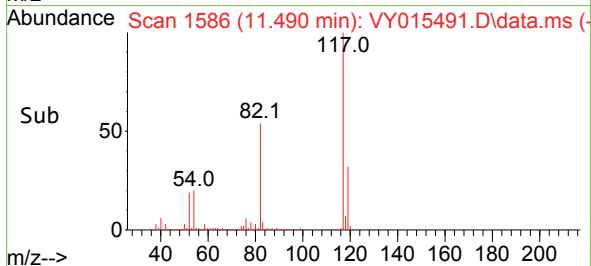
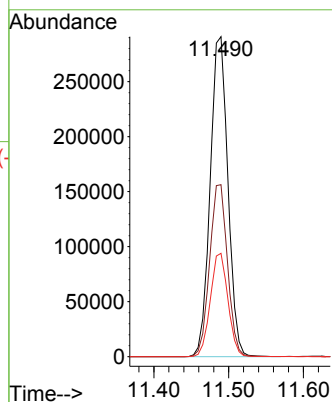
Tgt Ion:117 Resp: 479157

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 32.3 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: VY015491.D

Acq: 11 Sep 2023 16:52

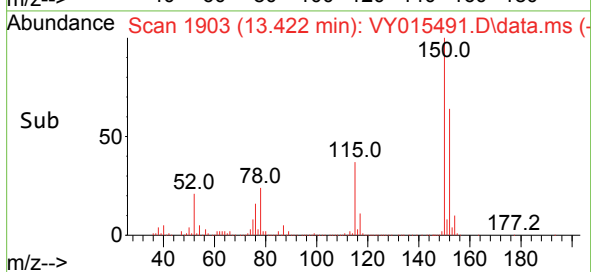
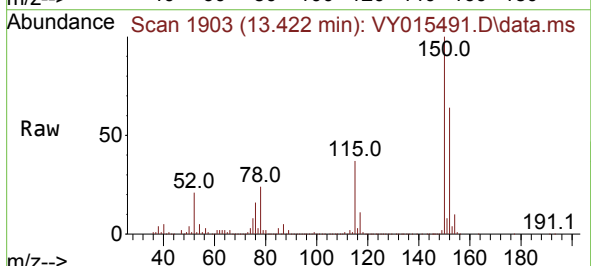
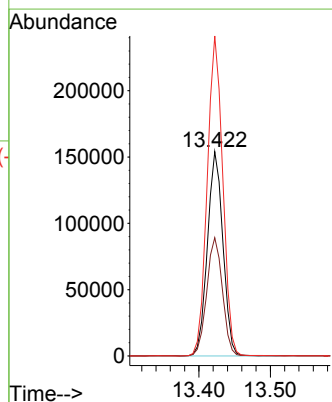
Tgt Ion:152 Resp: 232453

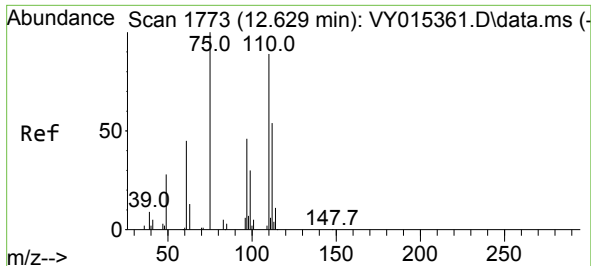
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 156.6 0.0 348.8

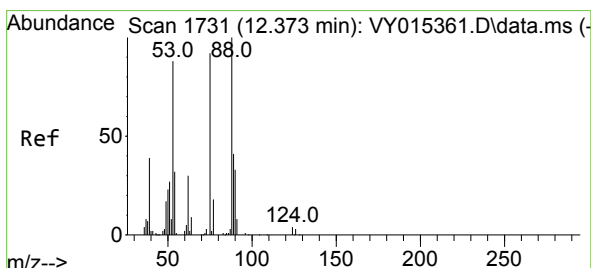
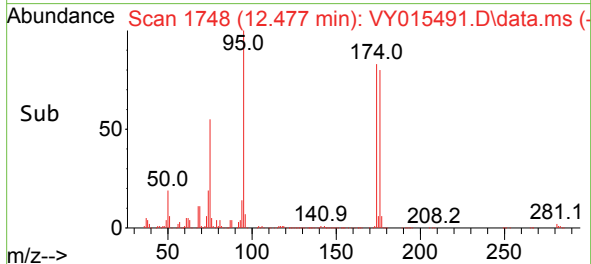
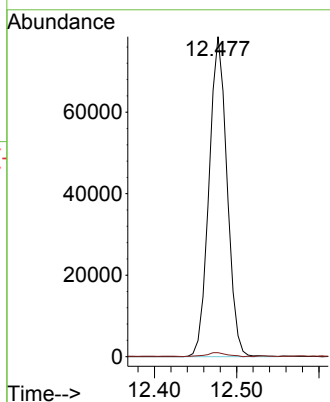
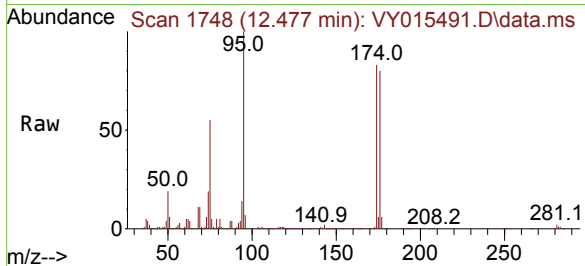




#76
1,2,3-Trichloropropane
Concen: 38.806 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 119622
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.602 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY015491.D
Acq: 11 Sep 2023 16:52

Tgt Ion: 75 Resp: 119622
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

