

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015535.D
 Acq On : 14 Sep 2023 15:51
 Operator : SY/MD
 Sample : 04351-05
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 04:01:32 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	306038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	522412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	477070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	219187	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	196396	59.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.720%
35) Dibromofluoromethane	7.710	113	165775	55.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.180%
50) Toluene-d8	10.179	98	609991	55.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.960%
62) 4-Bromofluorobenzene	12.477	95	210076	51.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.860%

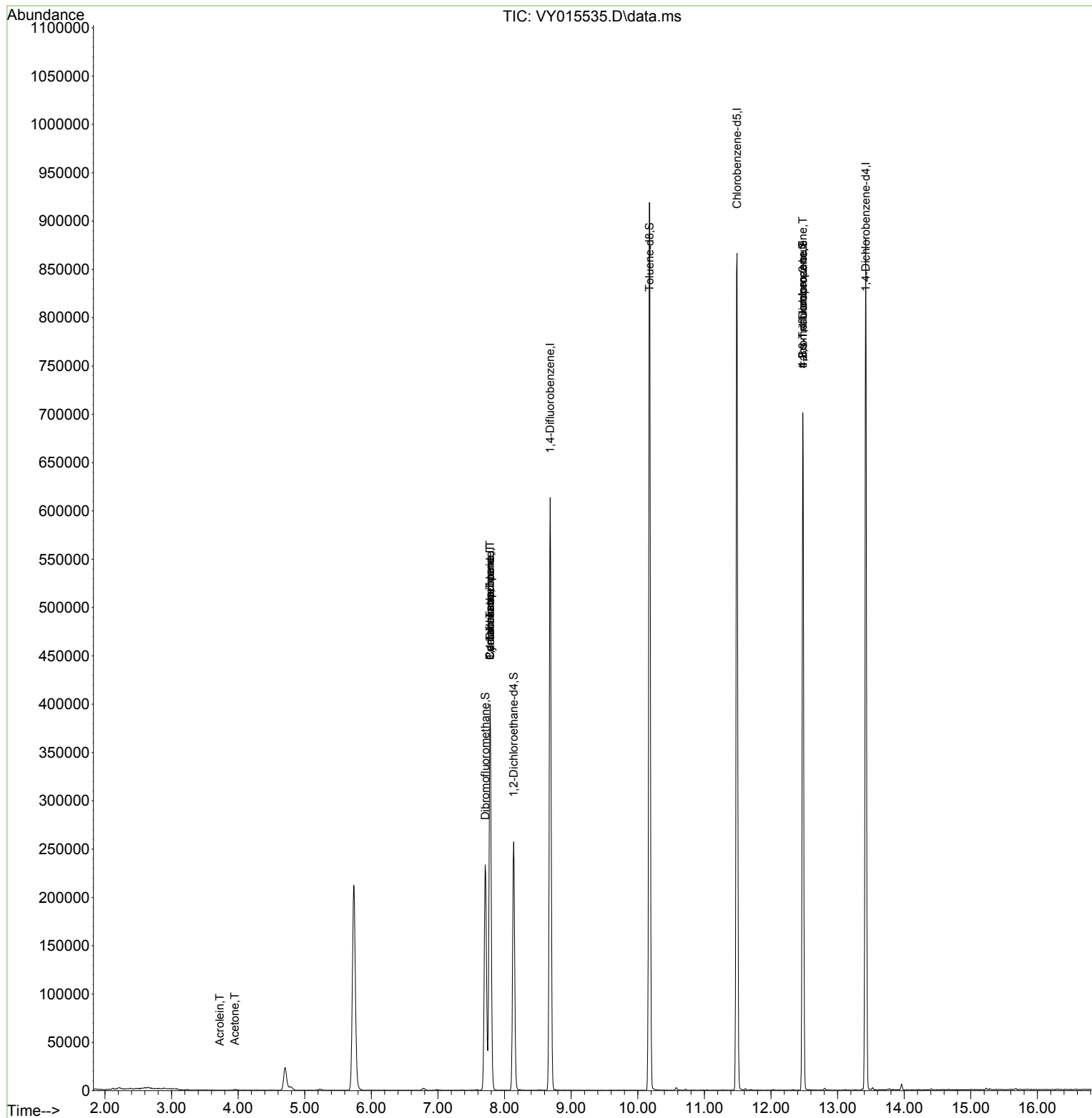
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.960	59	53	Below Cal	#	89
13) Acrolein	3.723	56	71	11.720	ug/l #	14
16) Acetone	3.948	43	1784	1.303	ug/l	94
20) Methylene Chloride	4.704	84	18143	Below Cal		90
31) Cyclohexane	7.783	56	6745	1.157	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	23602	4.467	ug/l #	50
38) Carbon Tetrachloride	7.783	117	30880	5.659	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	111534	38.372	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	111534	84.645	ug/l #	10

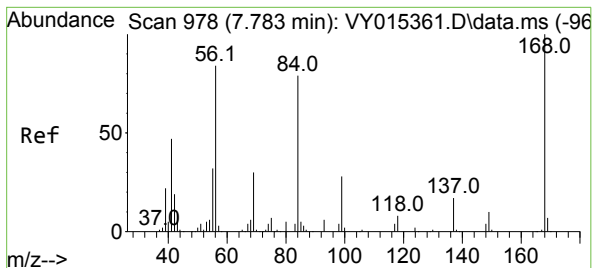
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015535.D

Acq: 14 Sep 2023 15:51

Instrument :

MSVOA_Y

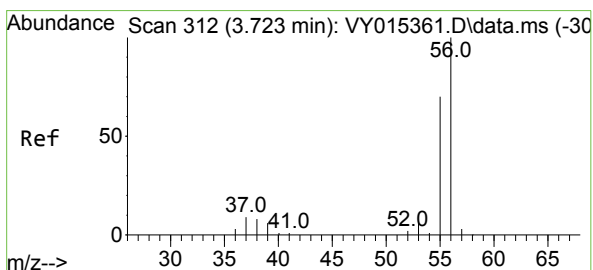
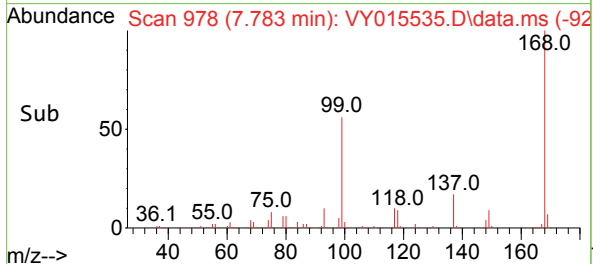
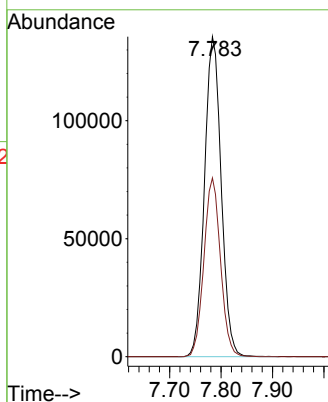
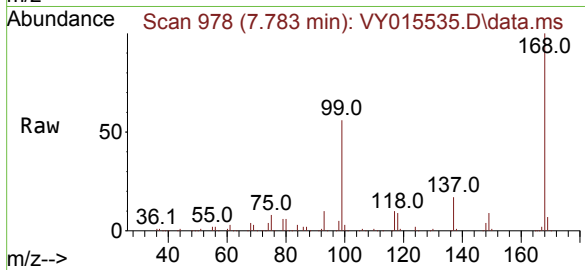
ClientSampleId :

Tgt Ion:168 Resp: 306038

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.0



#13

Acrolein

Concen: 11.720 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY015535.D

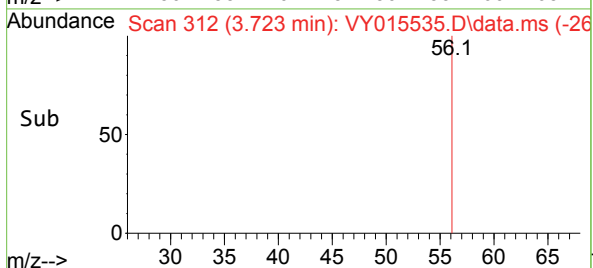
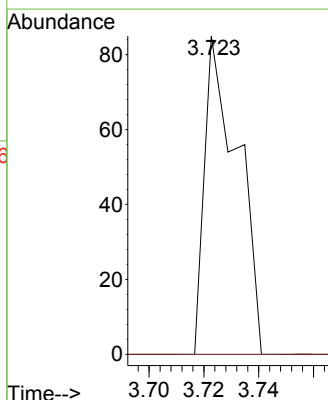
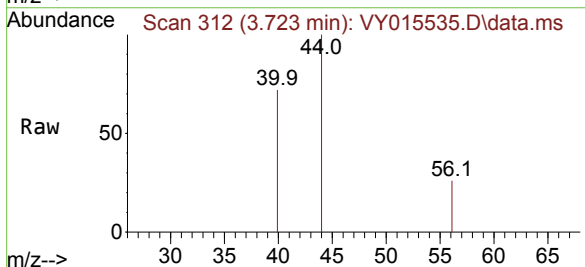
Acq: 14 Sep 2023 15:51

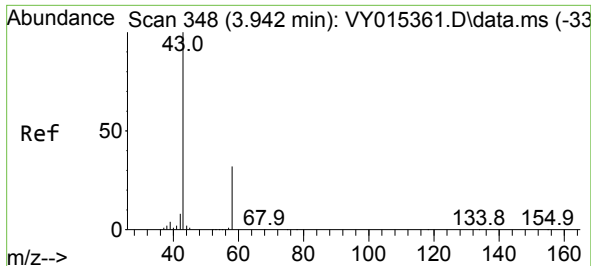
Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

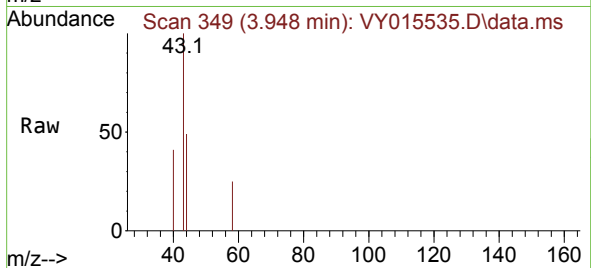
55 0.0 57.0 85.4#



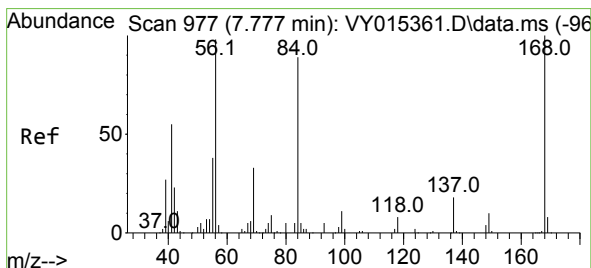
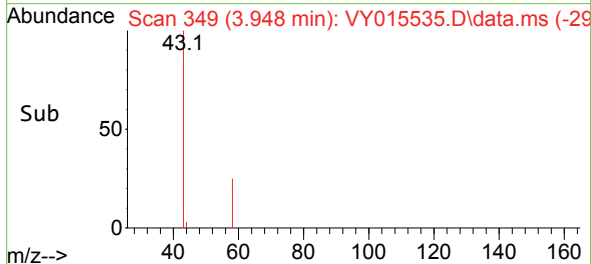
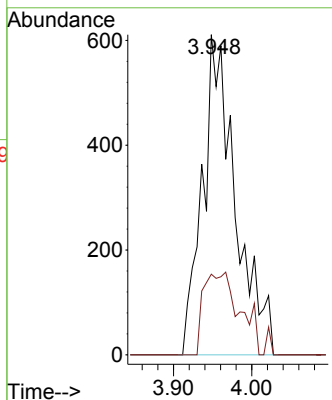


#16
Acetone
Concen: 1.303 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

Instrument :
MSVOA_Y
ClientSampleId :

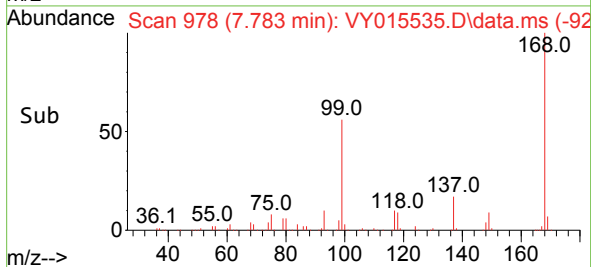
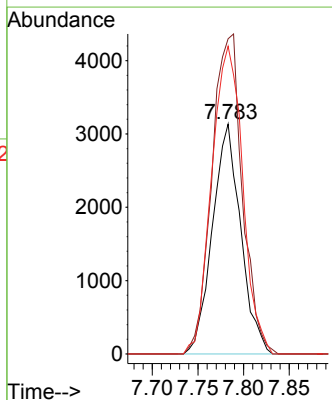
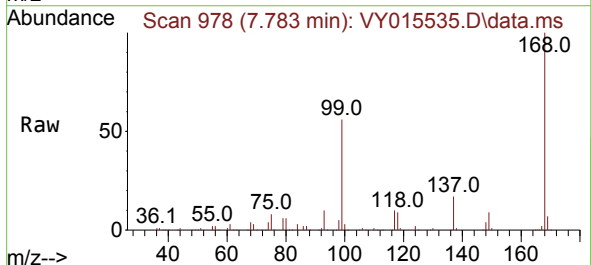


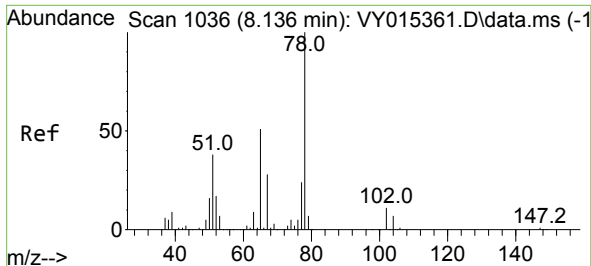
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 25.2 22.7 34.1



#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

Tgt Ion: 56 Resp: 6745
Ion Ratio Lower Upper
56 100
69 137.1 27.8 41.6#
84 133.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 59.864 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015535.D

Acq: 14 Sep 2023 15:51

Instrument :

MSVOA_Y

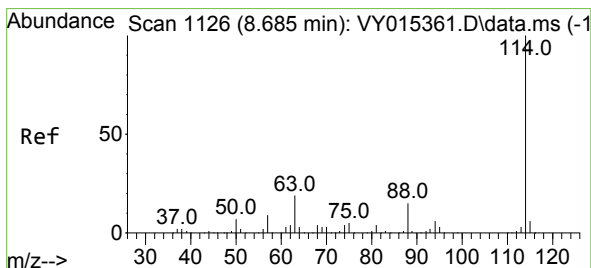
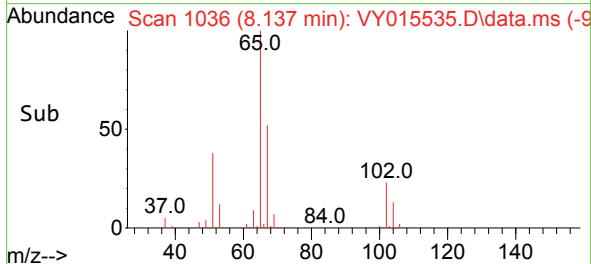
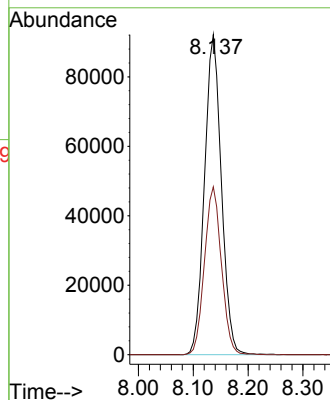
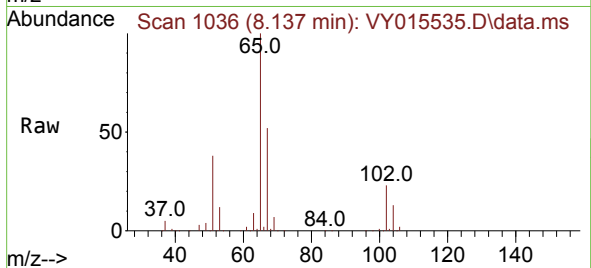
ClientSampleId :

Tgt Ion: 65 Resp: 196396

Ion Ratio Lower Upper

65 100

67 52.7 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: VY015535.D

Acq: 14 Sep 2023 15:51

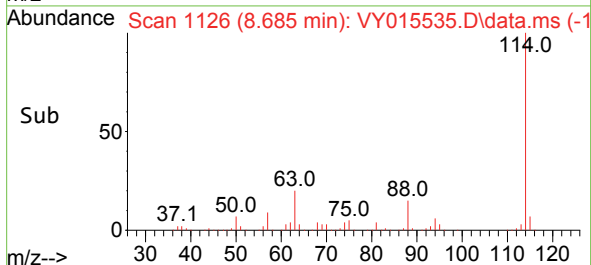
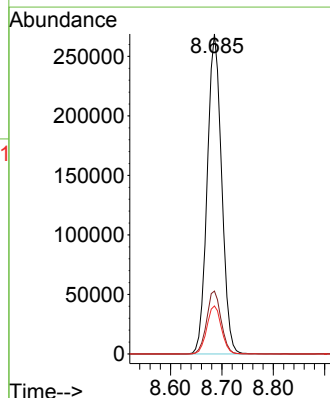
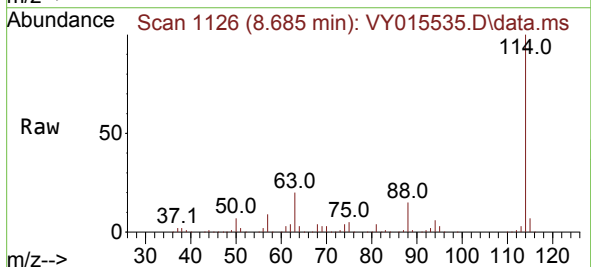
Tgt Ion: 114 Resp: 522412

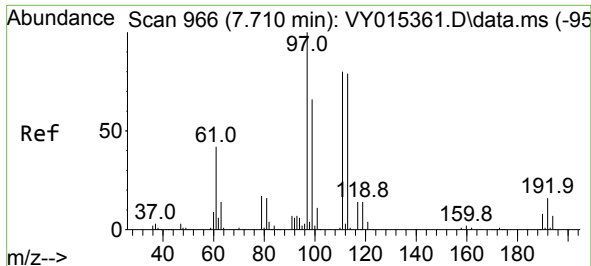
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

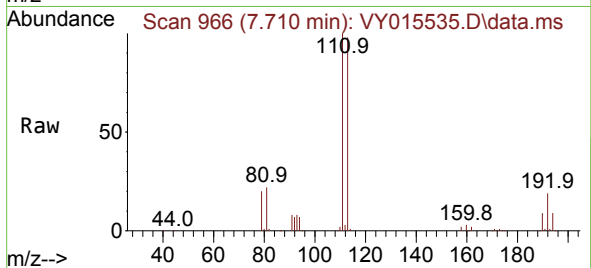
88 15.0 0.0 30.6



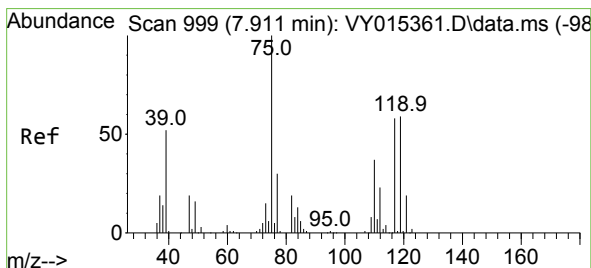
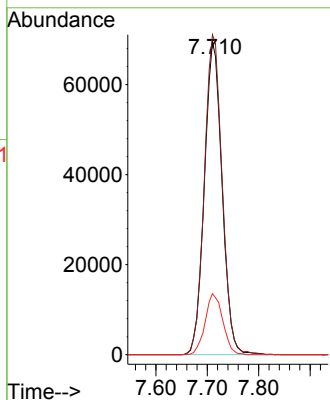
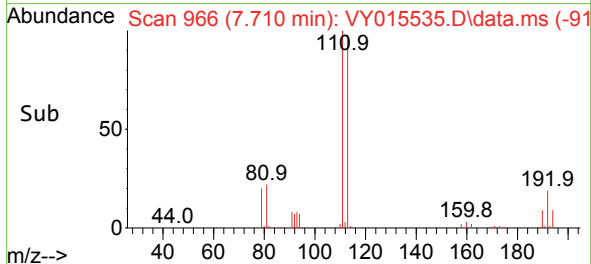


#35
Dibromofluoromethane
Concen: 55.093 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

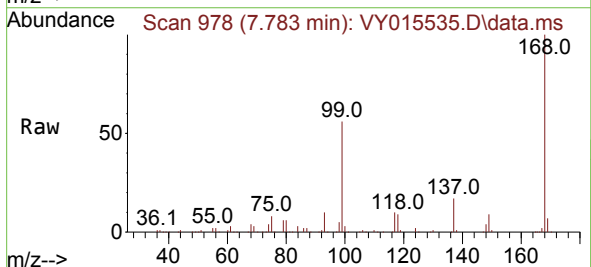
Instrument :
MSVOA_Y
ClientSampleId :



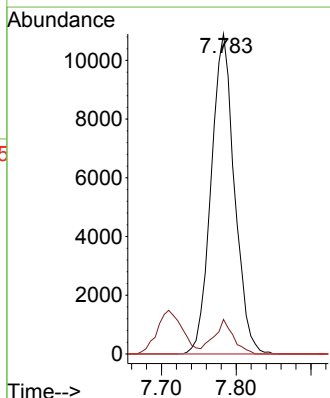
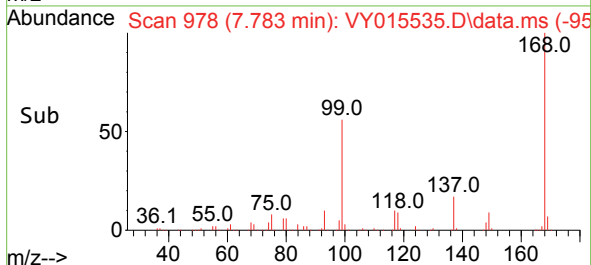
Tgt Ion:113 Resp: 165775
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.5 16.9 25.3

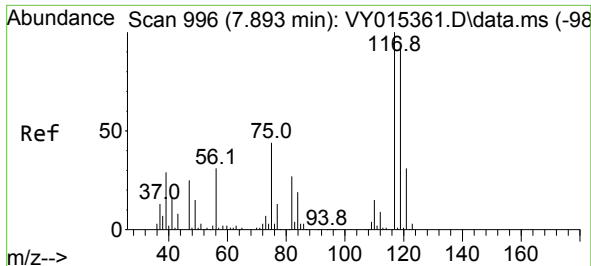


#36
1,1-Dichloropropene
Concen: 4.467 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51



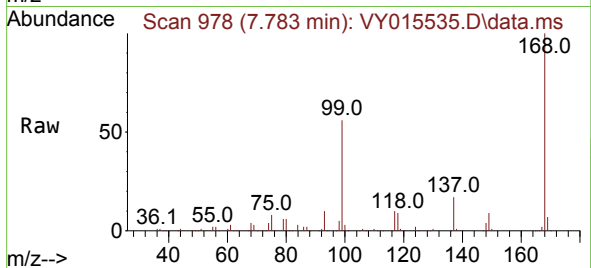
Tgt Ion: 75 Resp: 23602
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



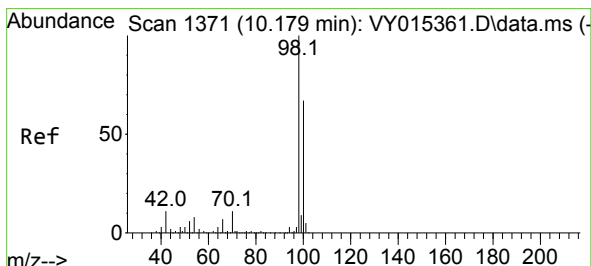
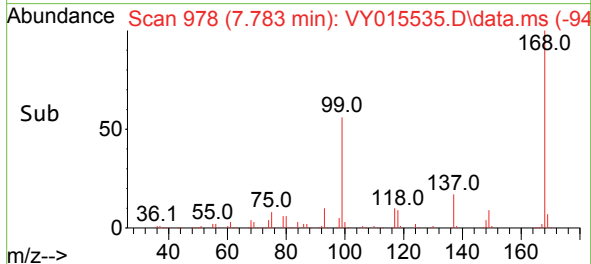
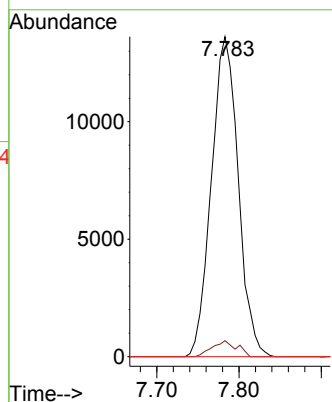


#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

Instrument :
MSVOA_Y
ClientSampleId :

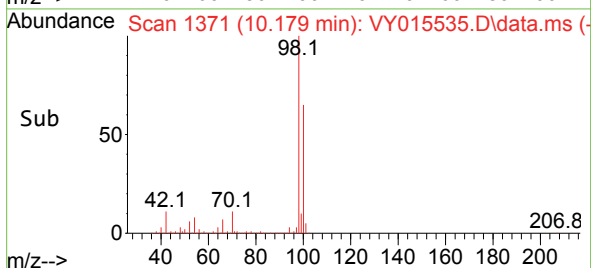
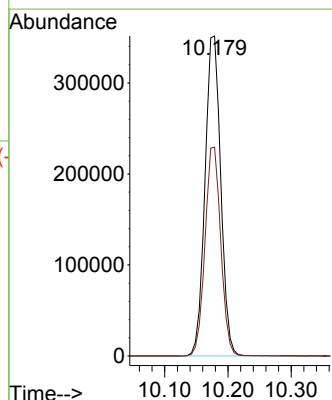
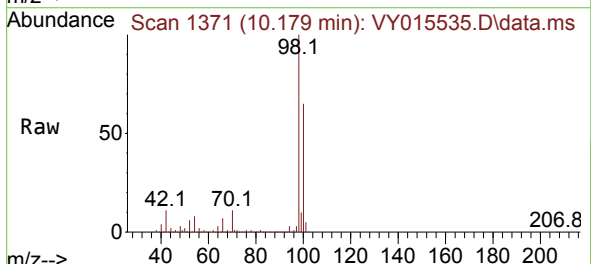


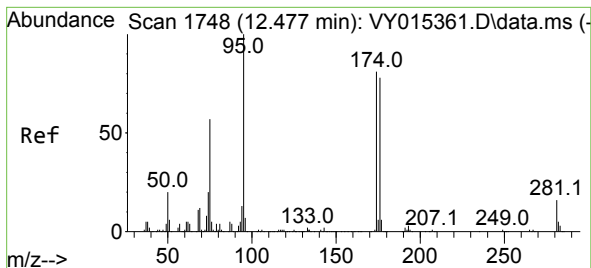
Tgt Ion:117 Resp: 30880
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.980 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

Tgt Ion: 98 Resp: 609991
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

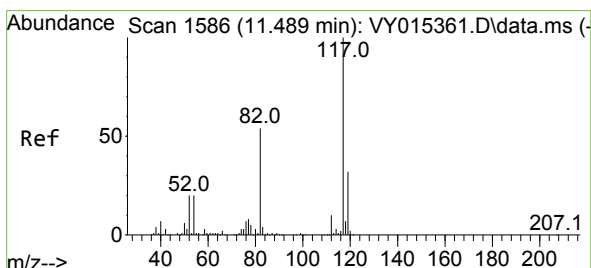
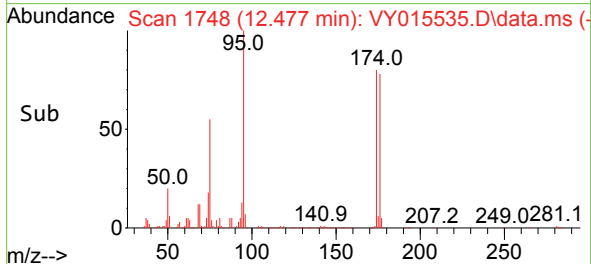
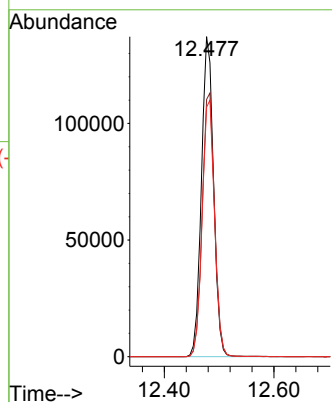
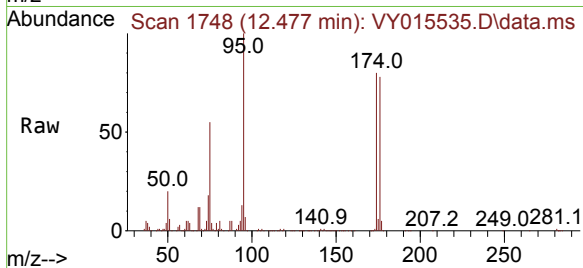




#62
4-Bromofluorobenzene
Concen: 51.932 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

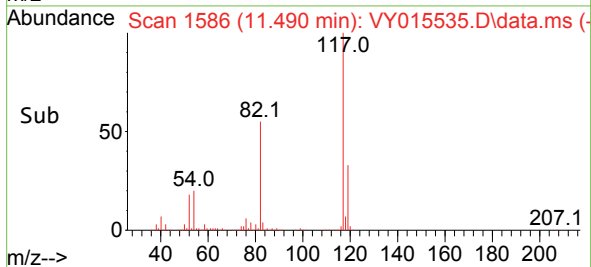
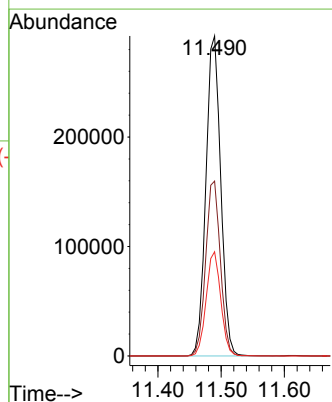
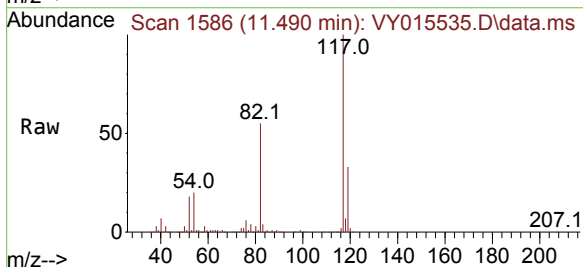
Instrument :
MSVOA_Y
ClientSampleId :

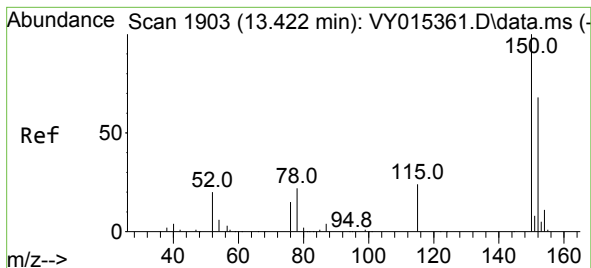
Tgt Ion: 95 Resp: 210076
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015535.D
Acq: 14 Sep 2023 15:51

Tgt Ion: 117 Resp: 477070
Ion Ratio Lower Upper
117 100
82 54.6 43.4 65.0
119 32.6 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: VY015535.D

Acq: 14 Sep 2023 15:51

Instrument :

MSVOA_Y

ClientSampleId :

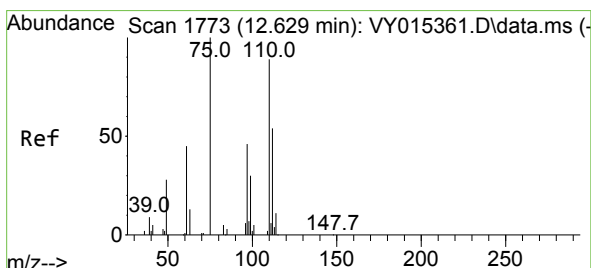
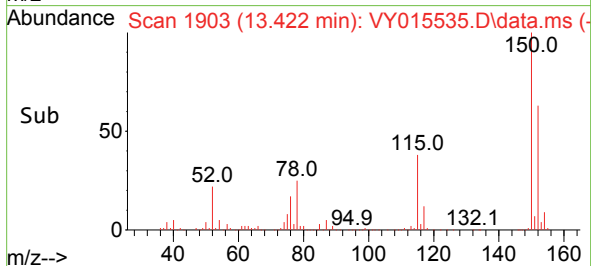
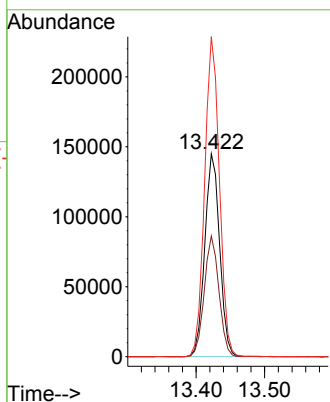
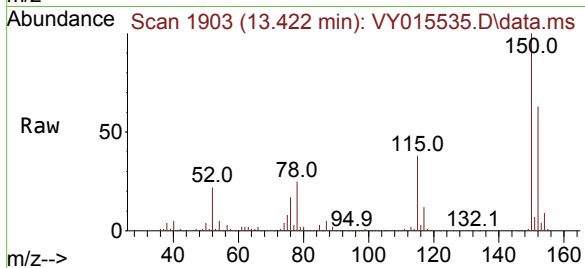
Tgt Ion:152 Resp: 219187

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 38.372 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015535.D

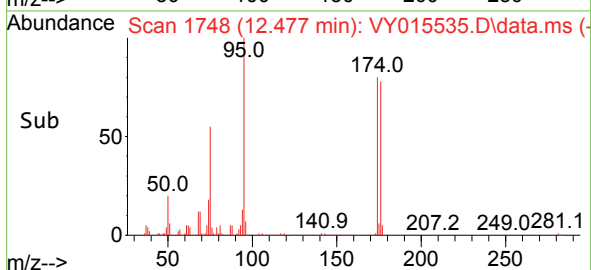
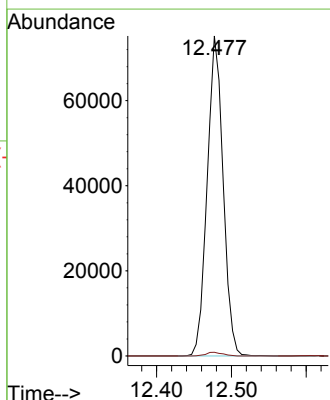
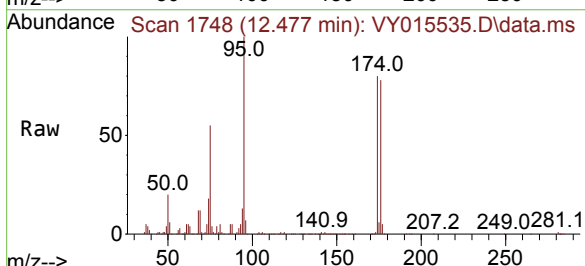
Acq: 14 Sep 2023 15:51

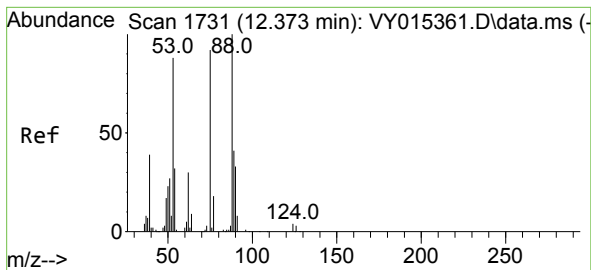
Tgt Ion: 75 Resp: 111534

Ion Ratio Lower Upper

75 100

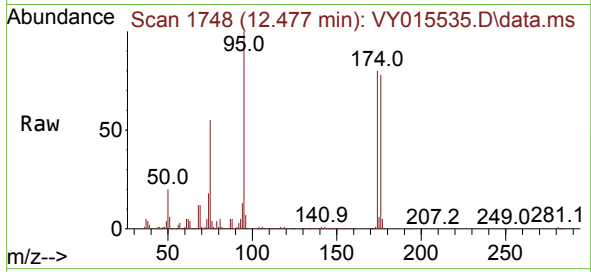
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.645 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY015535.D
 Acq: 14 Sep 2023 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 111534
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

