

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015563.D
 Acq On : 15 Sep 2023 12:43
 Operator : SY/MD
 Sample : 04409-06
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 15 15:36:33 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)

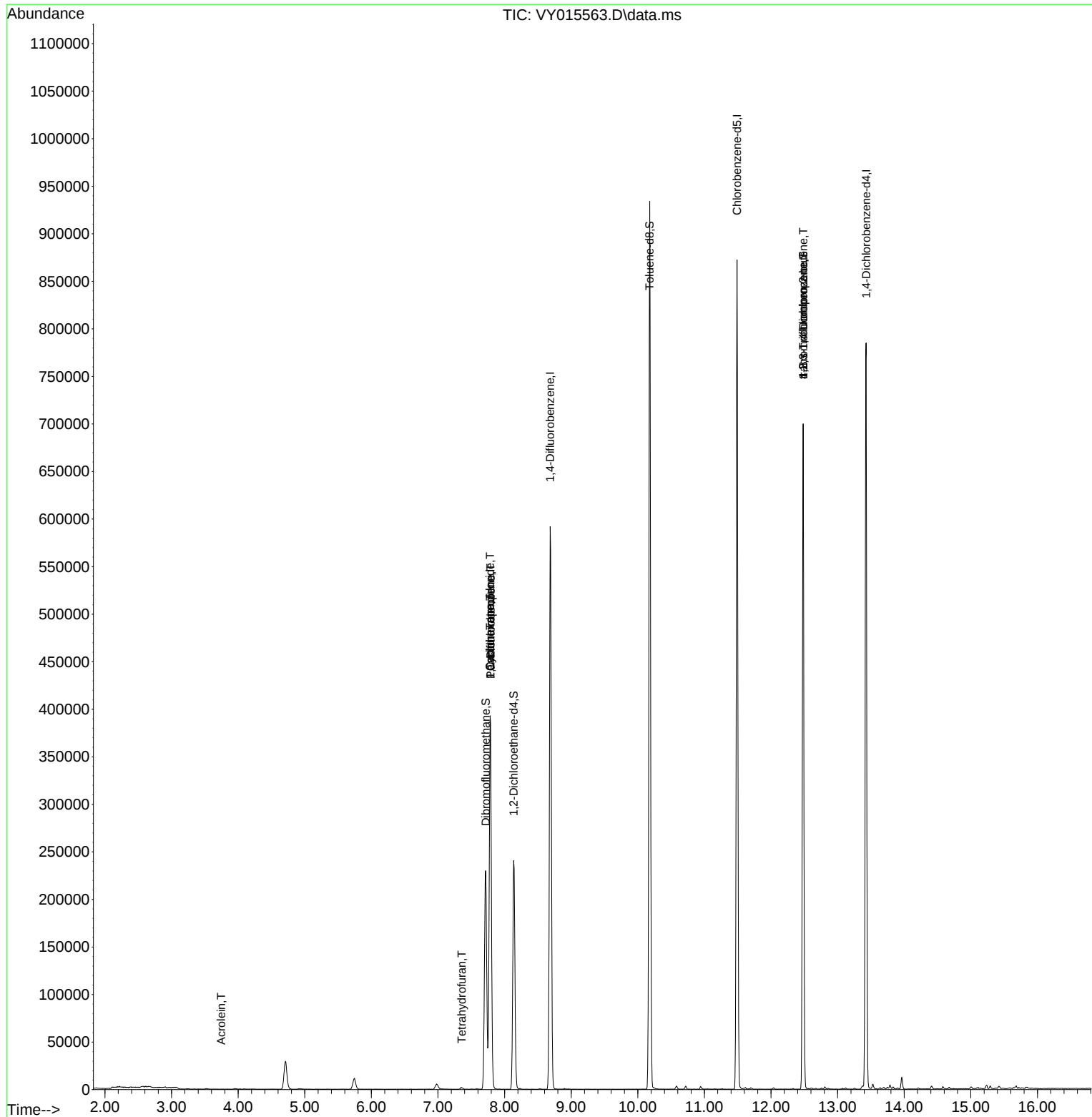
Internal Standards						
1) Pentafluorobenzene	7.789	168	306955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	516750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	462992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	203481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	190797	57.984	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.960%
35) Dibromofluoromethane	7.716	113	162510	54.600	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.200%
50) Toluene-d8	10.179	98	601792	55.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.660%
62) 4-Bromofluorobenzene	12.483	95	201090	50.255	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.520%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.905	59	409	Below Cal	#	89
13) Acrolein	3.747	56	42	11.690	ug/l #	14
20) Methylene Chloride	4.704	84	22584	Below Cal	#	85
29) Tetrahydrofuran	7.356	42	1350	1.104	ug/l	90
31) Cyclohexane	7.783	56	6465	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	23011	4.403	ug/l #	50
38) Carbon Tetrachloride	7.783	117	30281	5.610	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	106959	39.638	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	106959	87.438	ug/l #	10

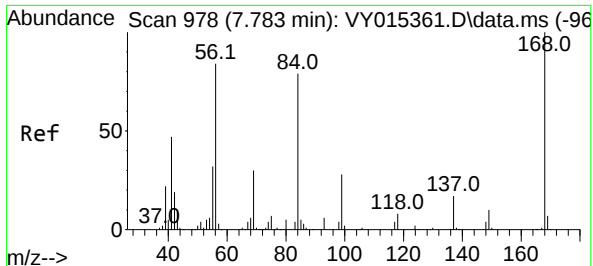
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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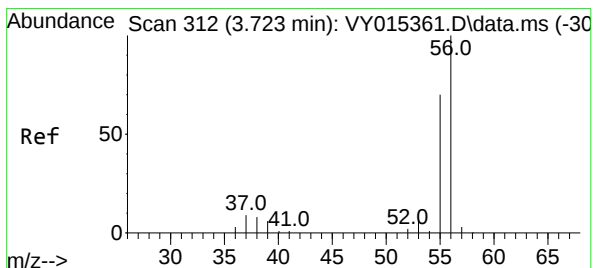
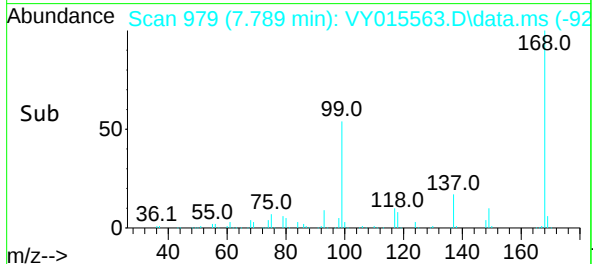
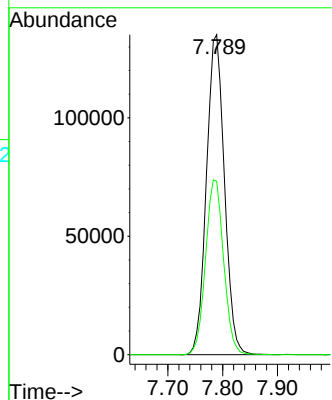
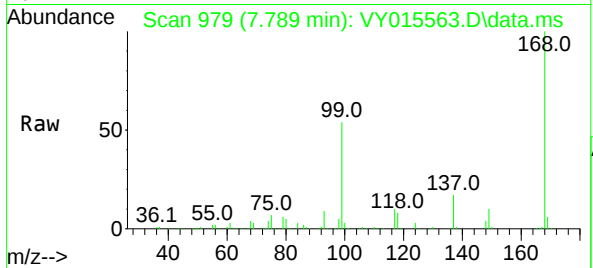




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

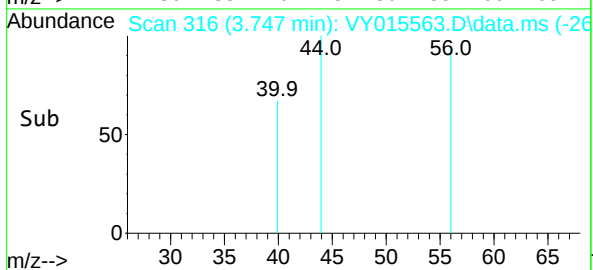
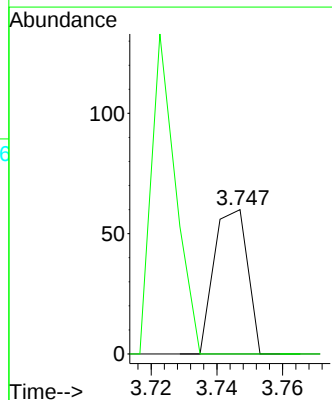
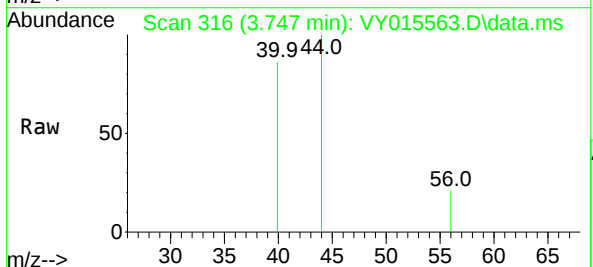
Instrument :
MSVOA_Y
ClientSampleId :

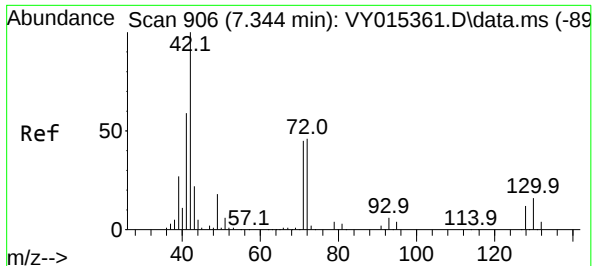
Tgt Ion:168 Resp: 306955
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#13
Acrolein
Concen: 11.690 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.024 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#29

Tetrahydrofuran

Concen: 1.104 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

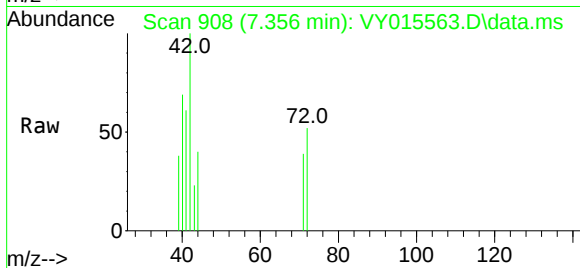
Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

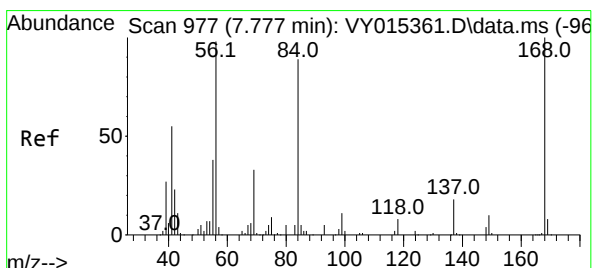
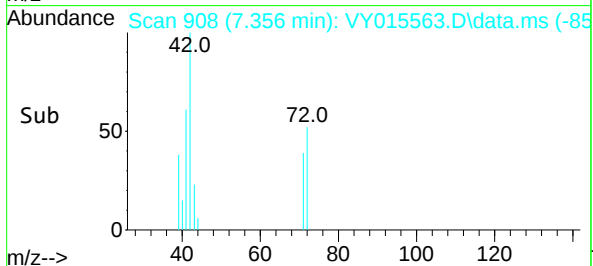
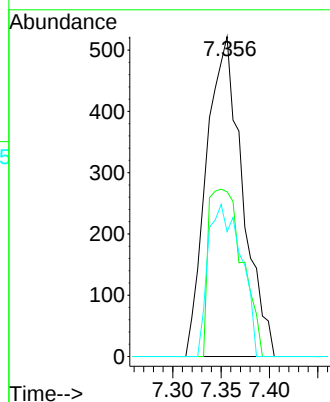
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1350
Ion	Ratio	Lower	Upper
42	100		
72	48.9	32.8	49.2
71	43.6	31.0	46.4



#31

Cyclohexane

Concen: 1.106 ug/l

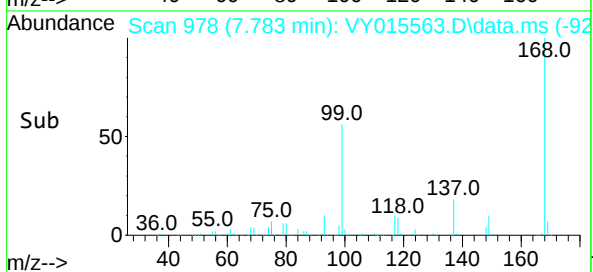
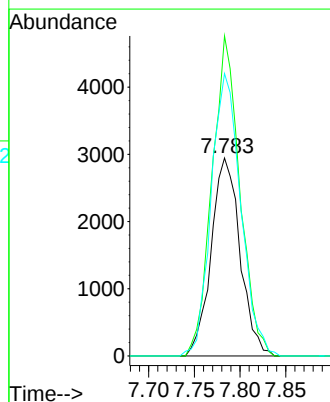
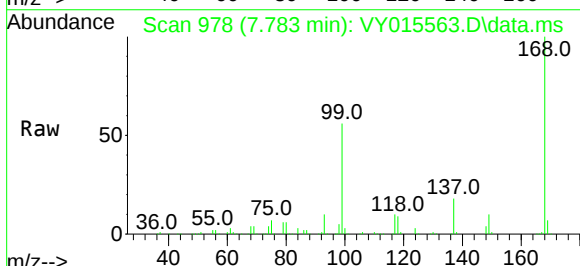
RT: 7.783 min Scan# 978

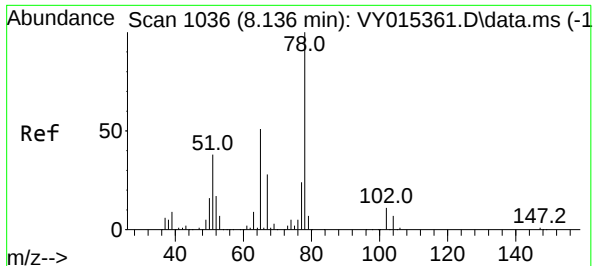
Delta R.T. 0.000 min

Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

Tgt Ion:	56	Resp:	6465
Ion	Ratio	Lower	Upper
56	100		
69	161.7	27.8	41.6#
84	142.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.984 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

Instrument :

MSVOA_Y

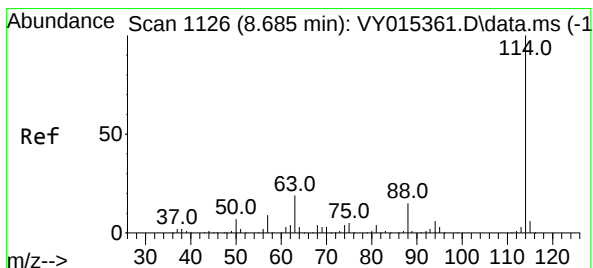
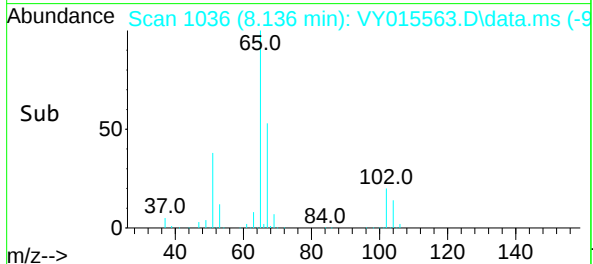
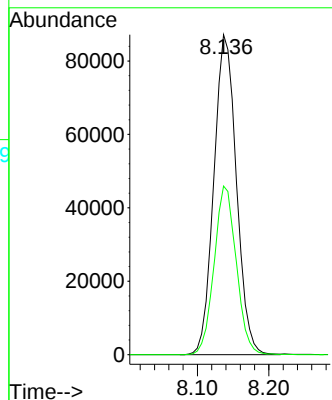
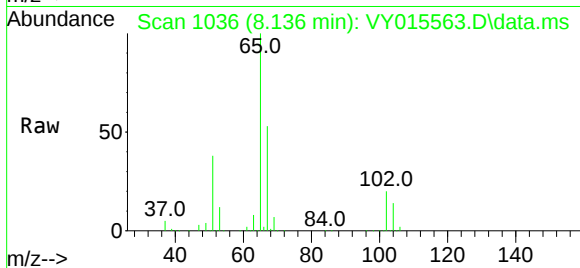
ClientSampleId :

Tgt Ion: 65 Resp: 190797

Ion Ratio Lower Upper

65 100

67 51.8 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: VY015563.D

Acq: 15 Sep 2023 12:43

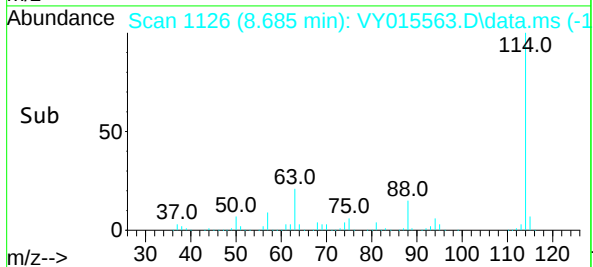
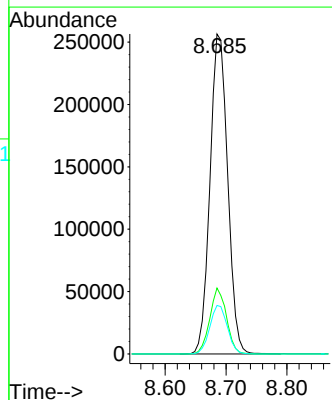
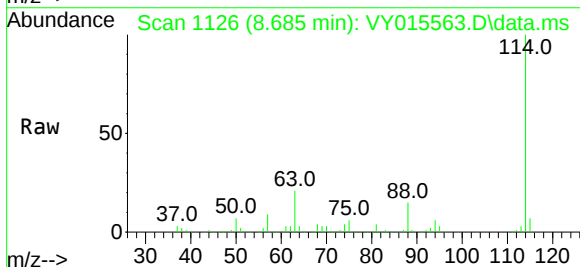
Tgt Ion: 114 Resp: 516750

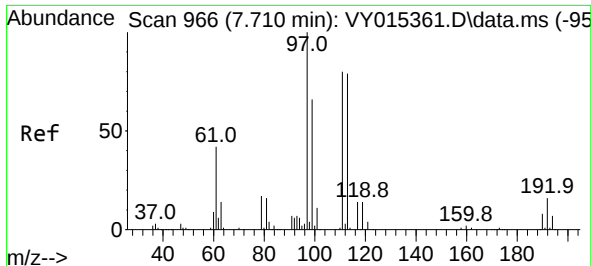
Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.600 ug/l

RT: 7.716 min Scan# 910

Delta R.T. 0.000 min

Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

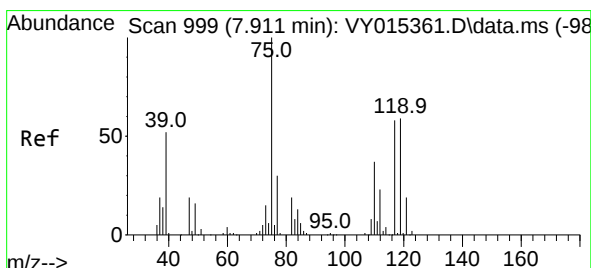
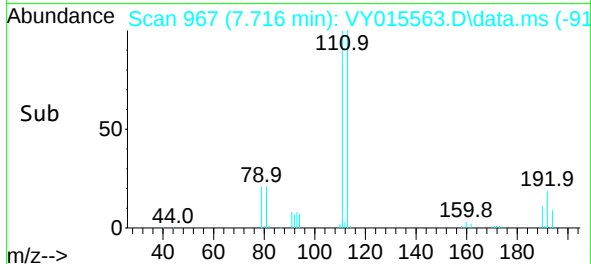
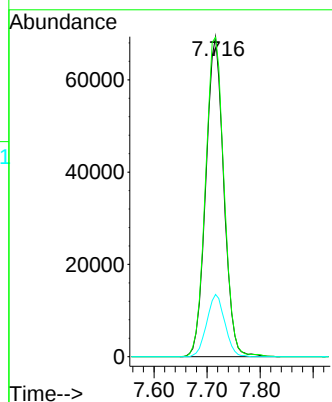
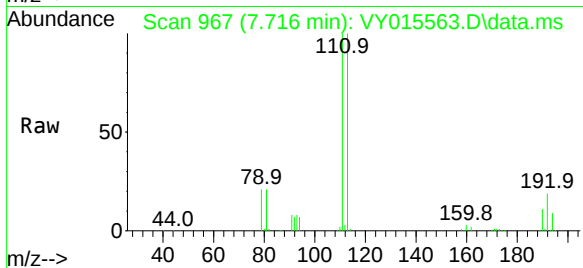
Tgt Ion:113 Resp: 162510

Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.122 min

Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

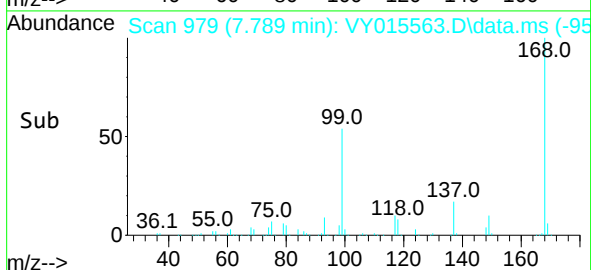
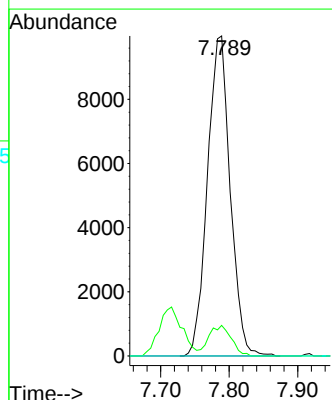
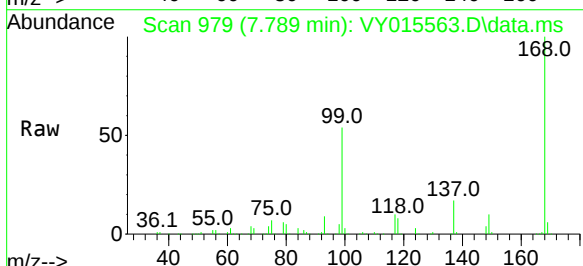
Tgt Ion: 75 Resp: 23011

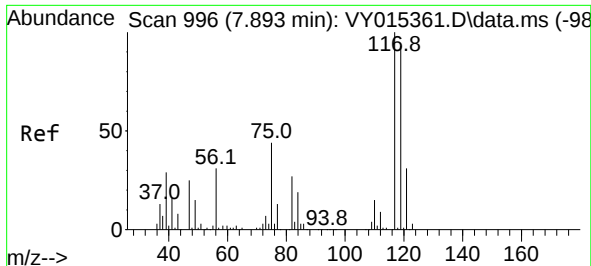
Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

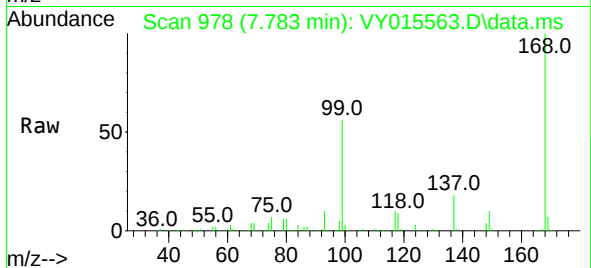
77 0.0 24.4 36.6#



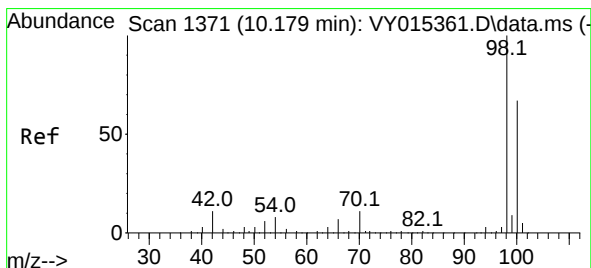
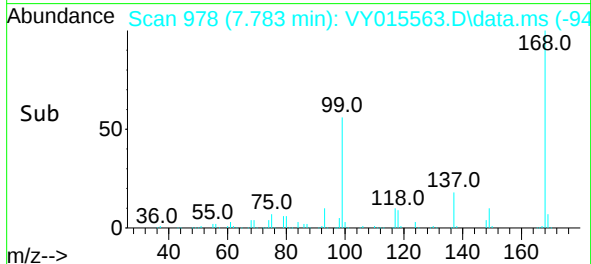
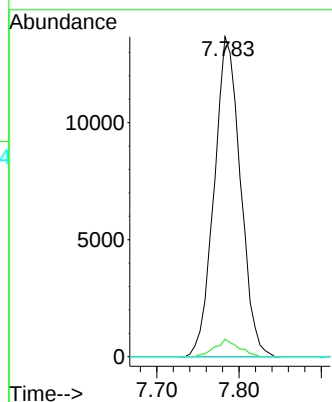


#38
Carbon Tetrachloride
Concen: 5.610 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :

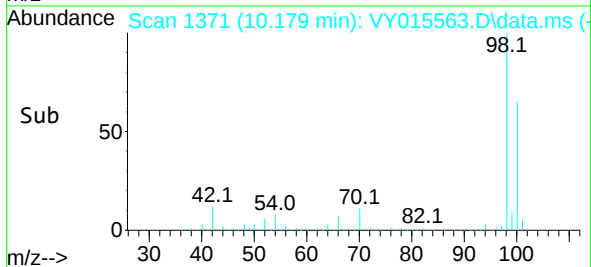
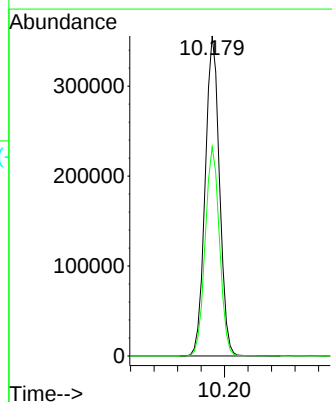
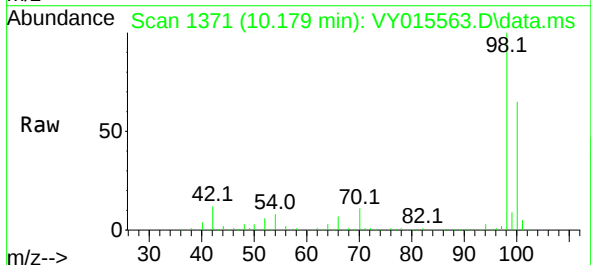


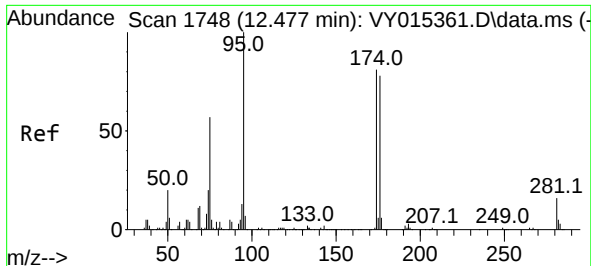
Tgt Ion:117 Resp: 30281
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.832 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

Tgt Ion: 98 Resp: 601792
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

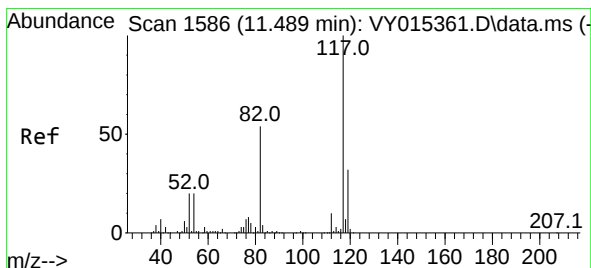
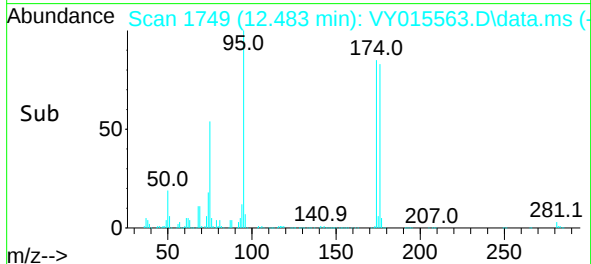
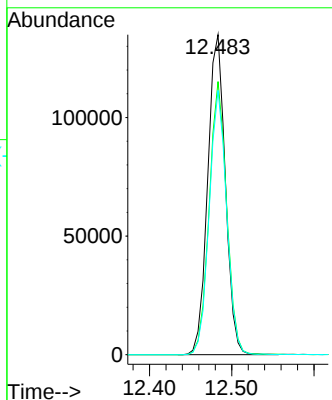
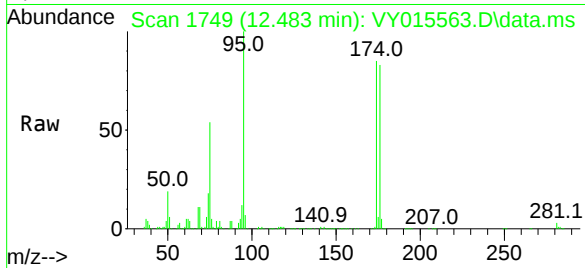




#62
4-Bromofluorobenzene
Concen: 50.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

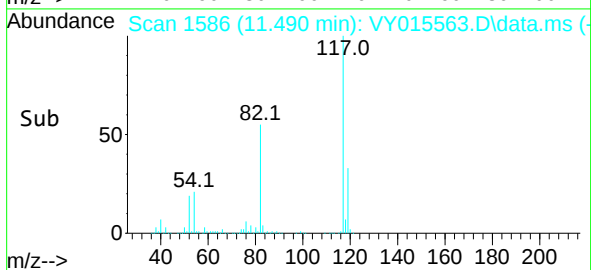
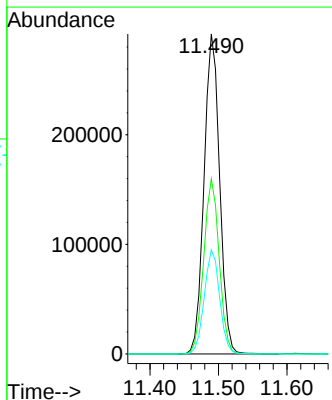
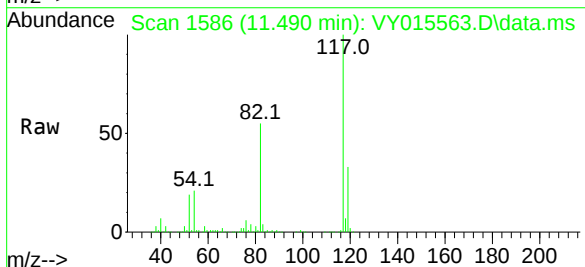
Instrument :
MSVOA_Y
ClientSampleId :

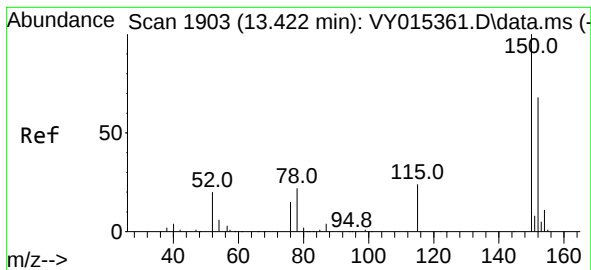
Tgt Ion: 95 Resp: 201090
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 81.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

Tgt Ion: 117 Resp: 462992
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015563.D

Acq: 15 Sep 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

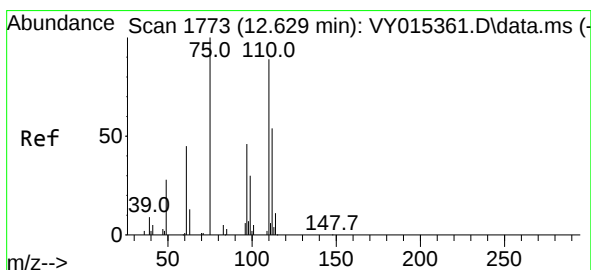
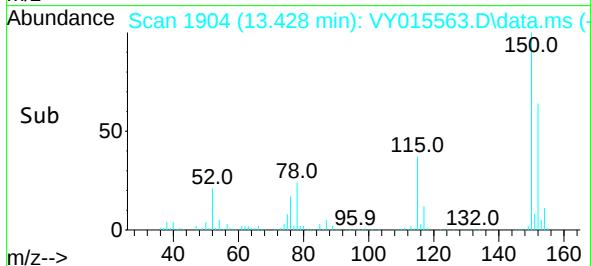
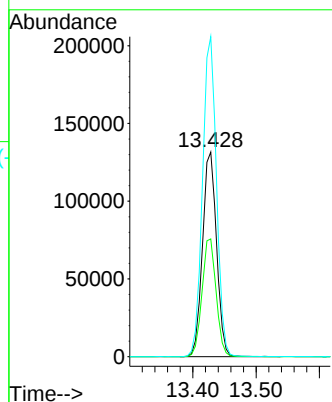
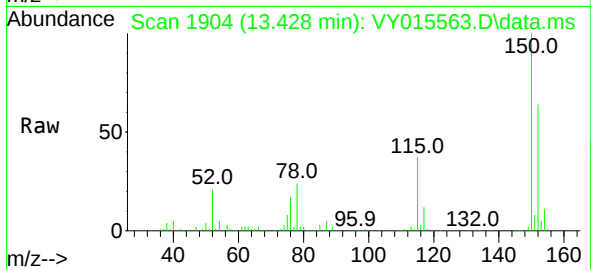
Tgt Ion:152 Resp: 203481

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 155.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.638 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015563.D

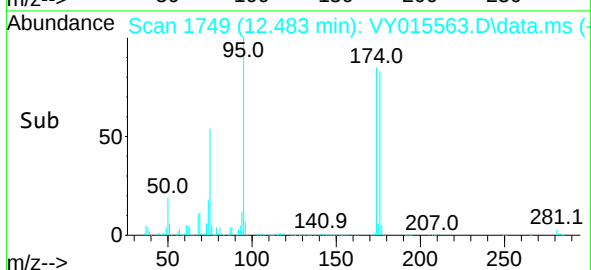
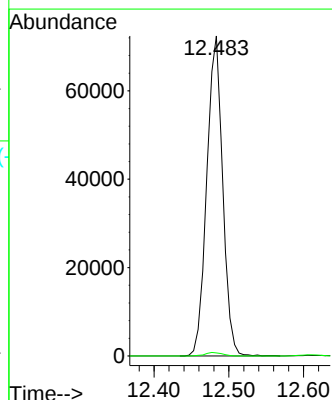
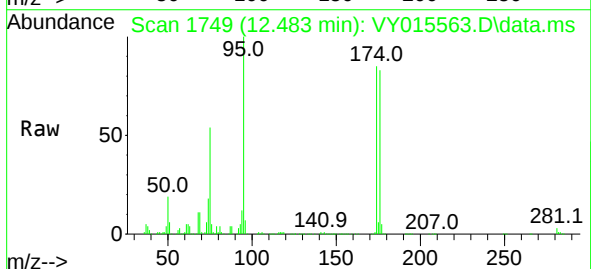
Acq: 15 Sep 2023 12:43

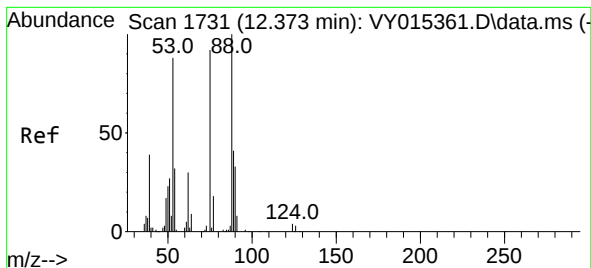
Tgt Ion: 75 Resp: 106959

Ion Ratio Lower Upper

75 100

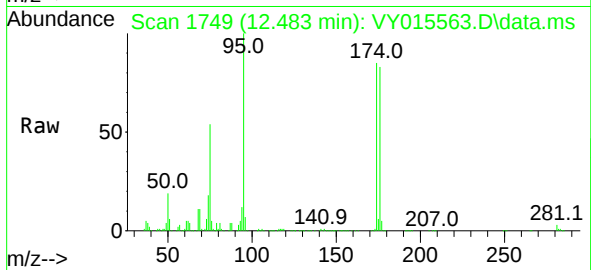
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.438 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015563.D
Acq: 15 Sep 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 106959
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

