

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
 Data File : VY010797.D
 Acq On : 04 Oct 2022 15:55
 Operator : KP/MD
 Sample : N4892-01RE
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 07:31:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

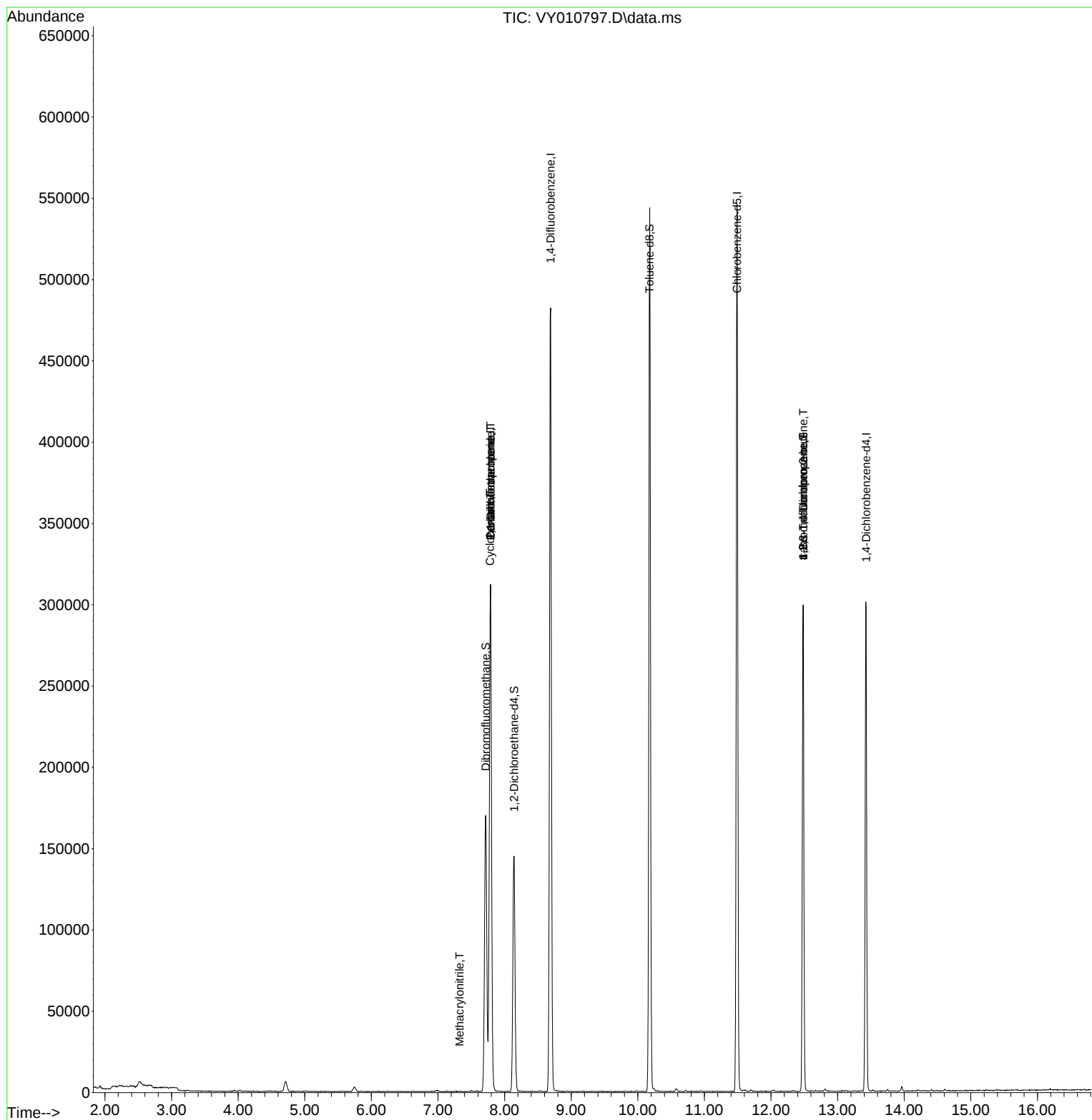
Internal Standards						
1) Pentafluorobenzene	7.789	168	243558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	412059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	294042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	115332	46.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.440%
35) Dibromofluoromethane	7.715	113	120827	44.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.340%
50) Toluene-d8	10.178	98	355420	37.995	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.000%
62) 4-Bromofluorobenzene	12.483	95	89763	22.541	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	45.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	27	Below Cal	#	77
20) Methylene Chloride	4.716	84	4687	Below Cal	#	79
31) Cyclohexane	7.783	56	4979	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	18455	4.674	ug/l #	51
38) Carbon Tetrachloride	7.789	117	23845	5.798	ug/l #	16
41) Methacrylonitrile	7.325	41	21	2.599	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	46573	58.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46573	122.989	ug/l #	7

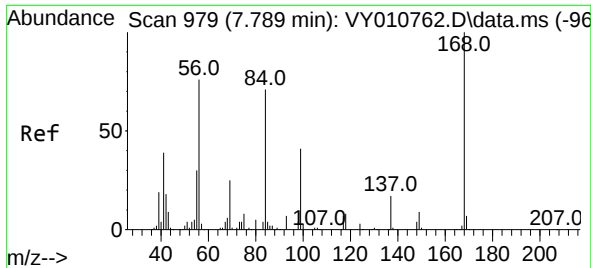
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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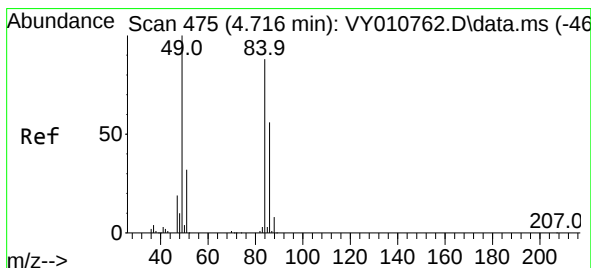
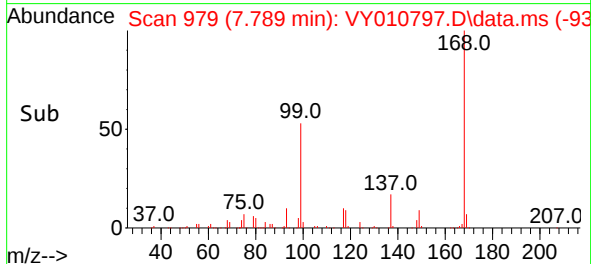
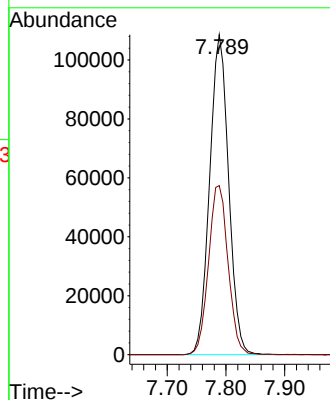
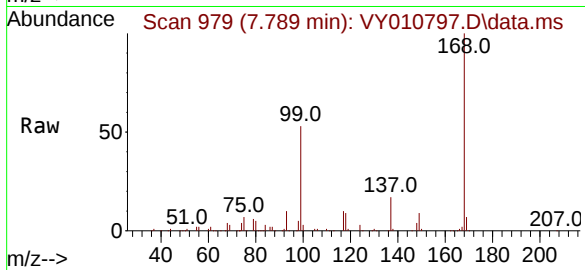




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

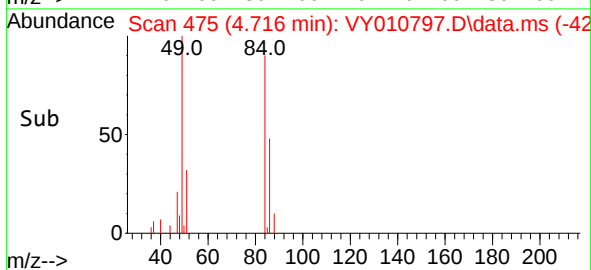
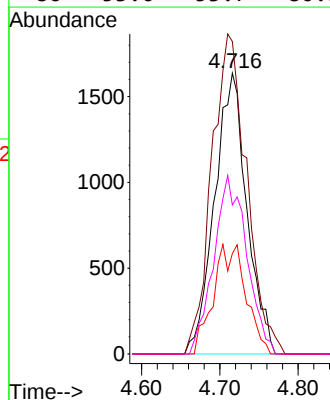
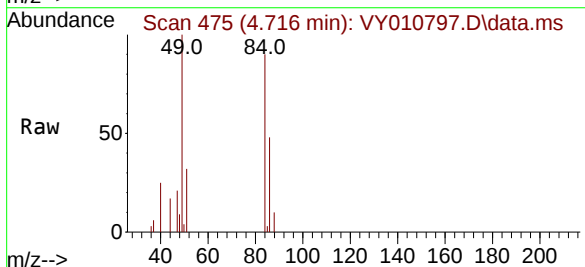
Instrument :
MSVOA_Y
ClientSampleId :

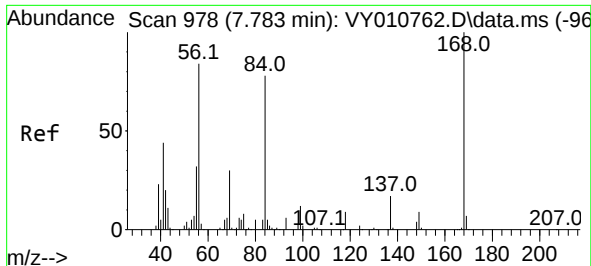
Tgt Ion:168 Resp: 243558
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

Tgt Ion: 84 Resp: 4687
Ion Ratio Lower Upper
84 100
49 111.2 114.4 171.6#
51 35.8 35.3 52.9
86 53.0 53.7 80.5#

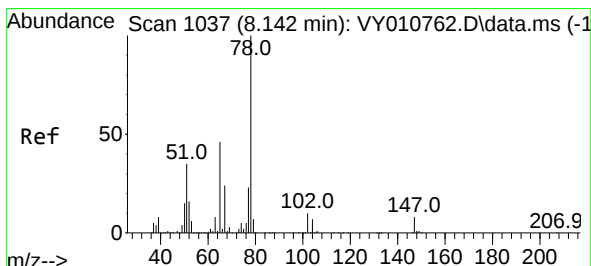
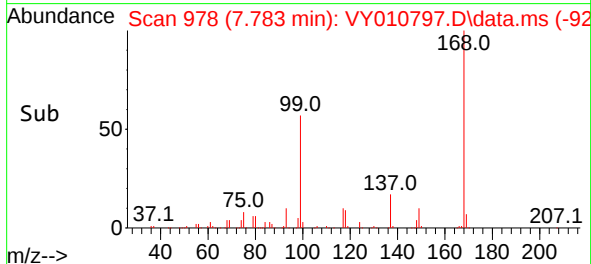
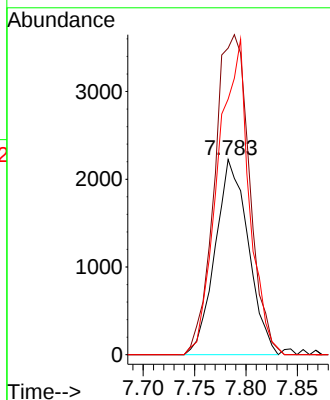
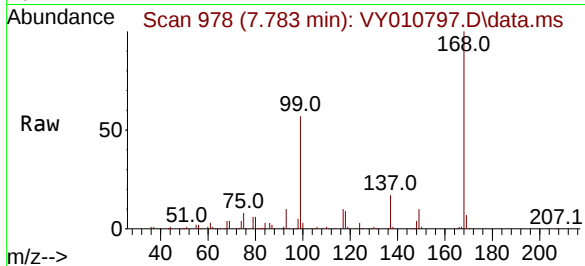




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

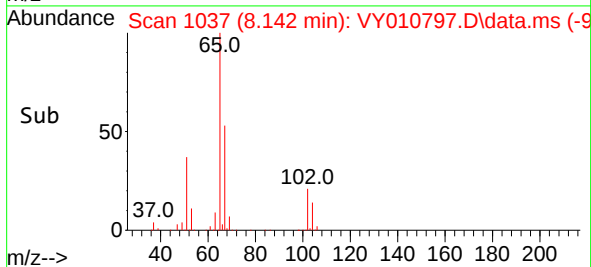
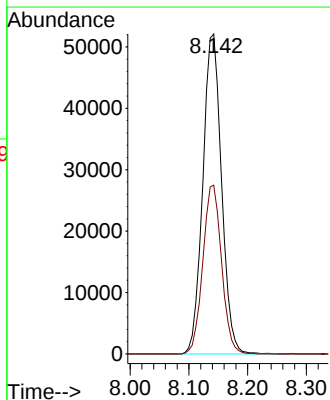
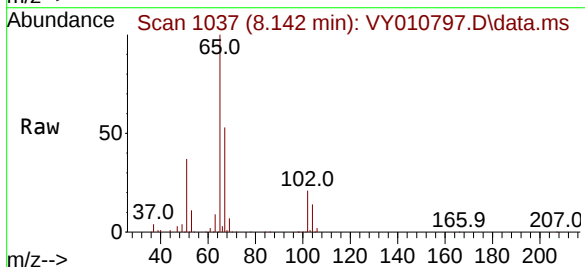
Instrument :
MSVOA_Y
ClientSampleId :

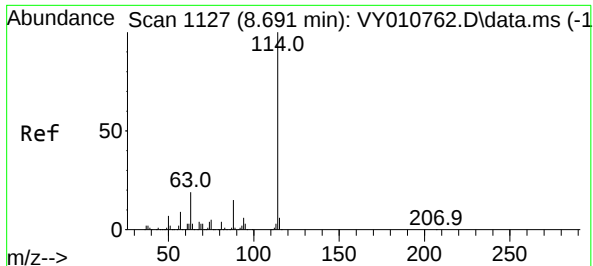
Tgt Ion: 56 Resp: 4979
Ion Ratio Lower Upper
56 100
69 157.1 26.7 40.1#
84 130.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.716 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

Tgt Ion: 65 Resp: 115332
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY010797.D

Acq: 04 Oct 2022 15:55

Instrument :

MSVOA_Y

ClientSampleId :

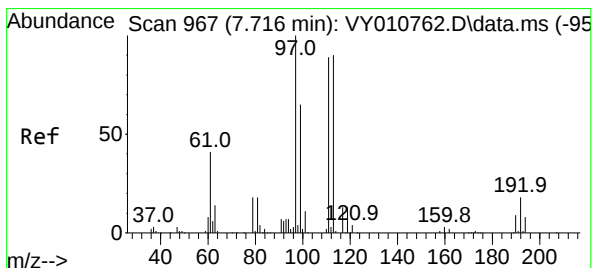
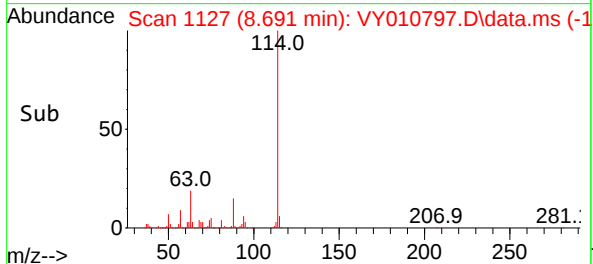
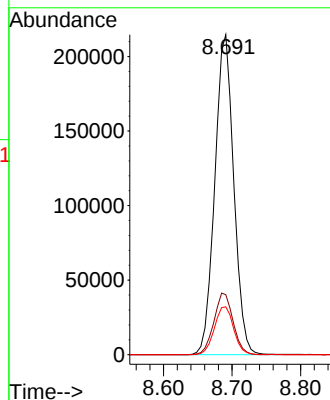
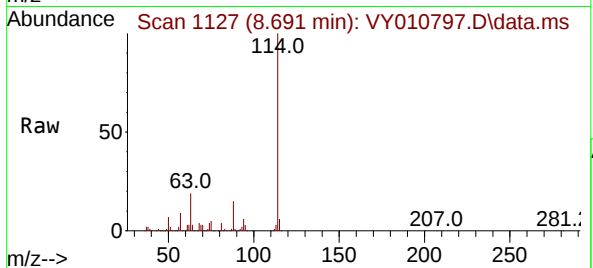
Tgt Ion:114 Resp: 412059

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.174 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY010797.D

Acq: 04 Oct 2022 15:55

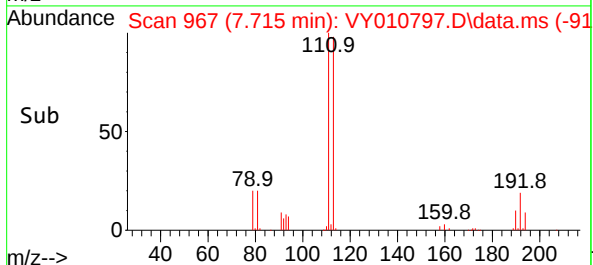
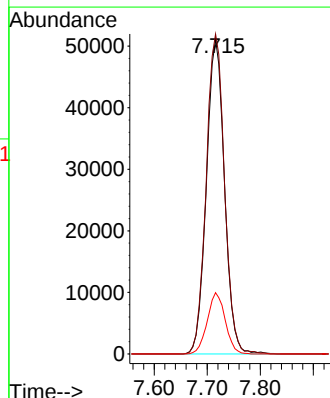
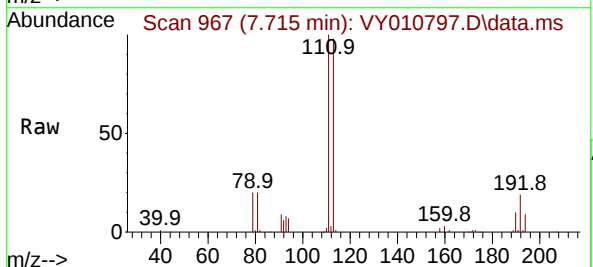
Tgt Ion:113 Resp: 120827

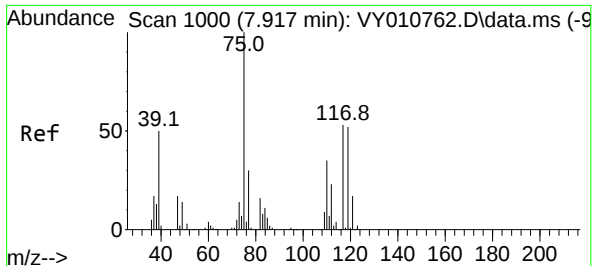
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.674 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010797.D

Acq: 04 Oct 2022 15:55

Instrument :

MSVOA_Y

ClientSampleId :

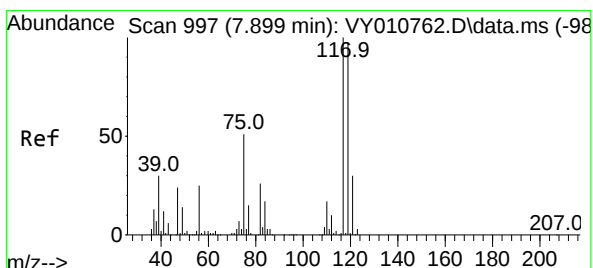
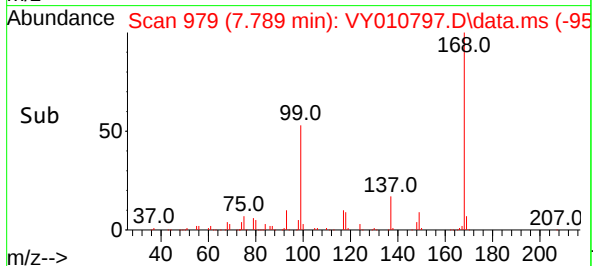
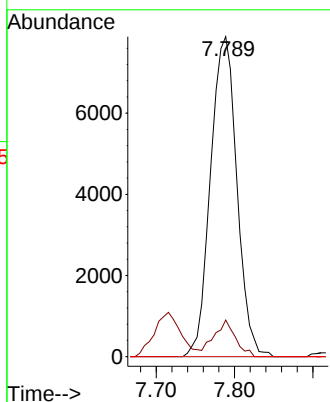
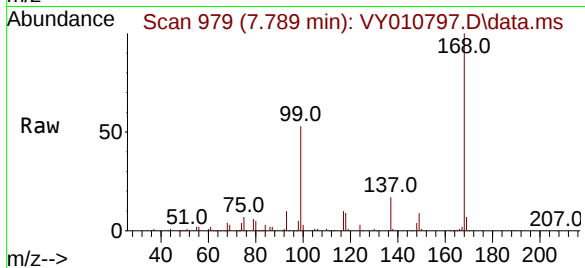
Tgt Ion: 75 Resp: 18455

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.798 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010797.D

Acq: 04 Oct 2022 15:55

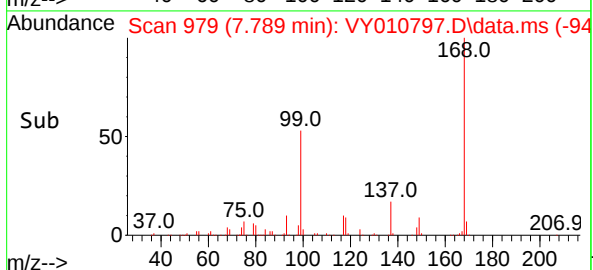
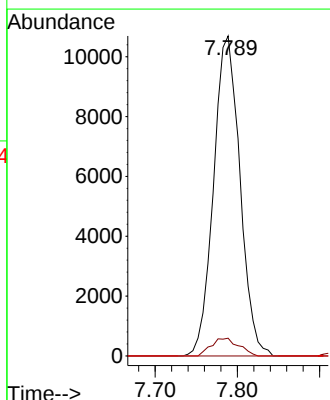
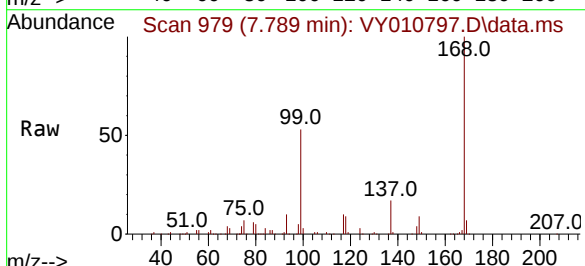
Tgt Ion: 117 Resp: 23845

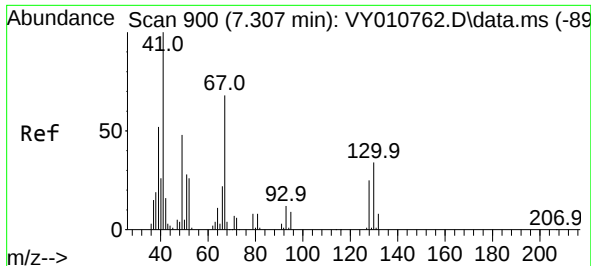
Ion Ratio Lower Upper

117 100

119 5.5 77.9 116.9#

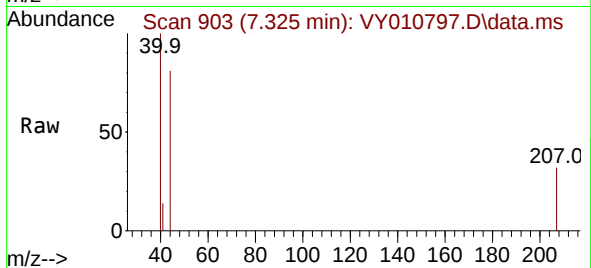
121 0.0 24.8 37.2#



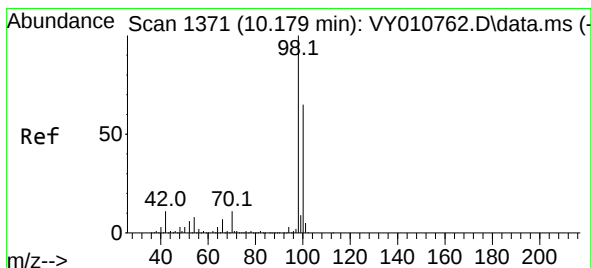
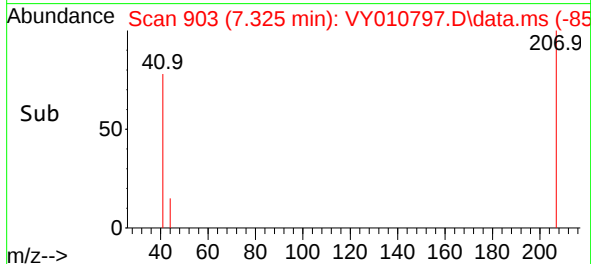
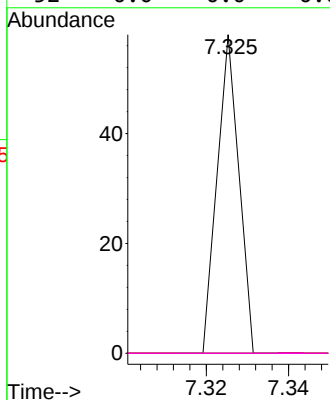


#41
Methacrylonitrile
Concen: 2.599 ug/l
RT: 7.325 min Scan# 900
Delta R.T. 0.018 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

Instrument :
MSVOA_Y
ClientSampleId :

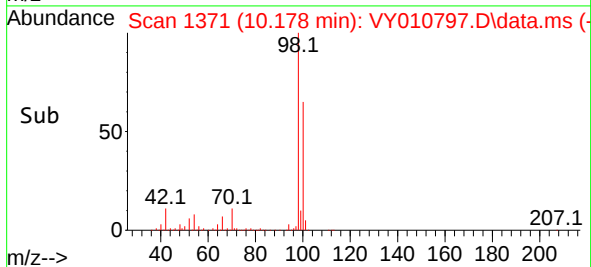
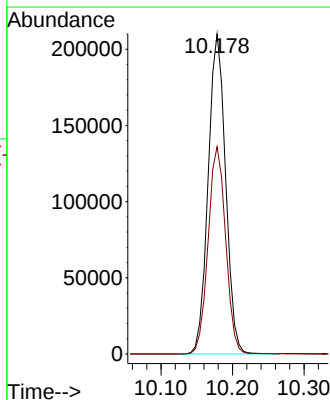
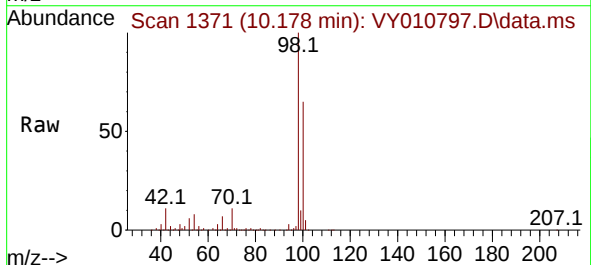


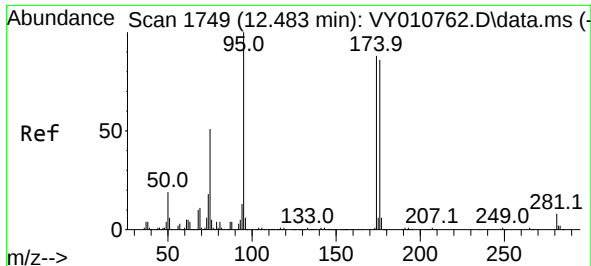
Tgt Ion: 41	Resp: 21
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 37.995 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

Tgt Ion: 98	Resp: 355420
Ion Ratio	Lower Upper
98 100	
100 65.2	50.2 75.2

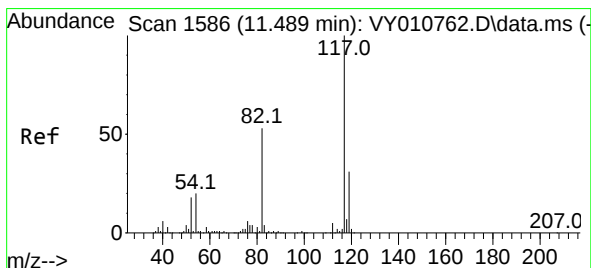
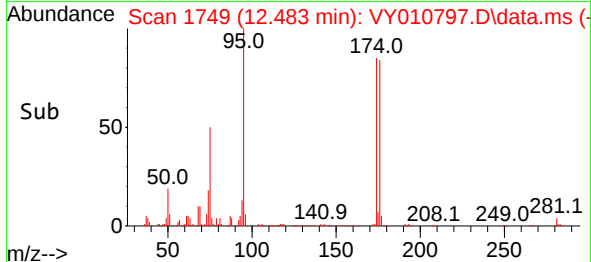
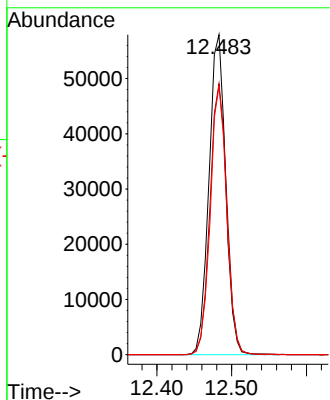
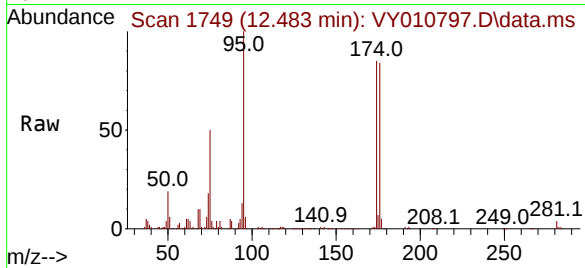




#62
4-Bromofluorobenzene
Concen: 22.541 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

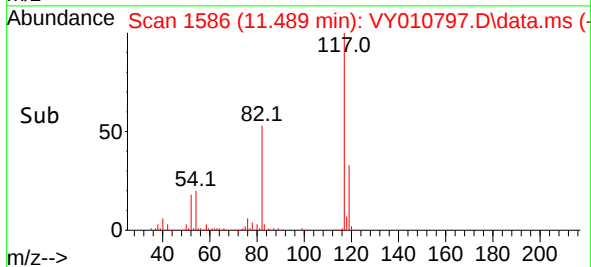
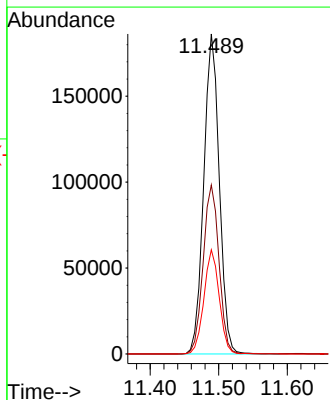
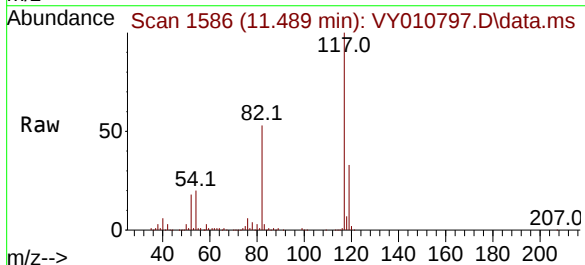
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MSVOA_Y
ClientSampleId :

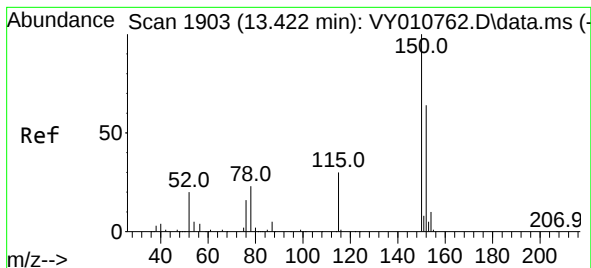
Tgt Ion: 95 Resp: 89763
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010797.D
Acq: 04 Oct 2022 15:55

Tgt Ion: 117 Resp: 294042
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY010797.D

Acq: 04 Oct 2022 15:55

Instrument :

MSVOA_Y

ClientSampleId :

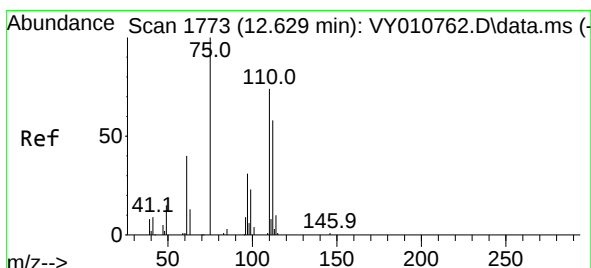
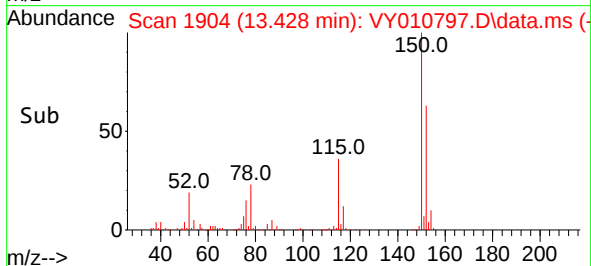
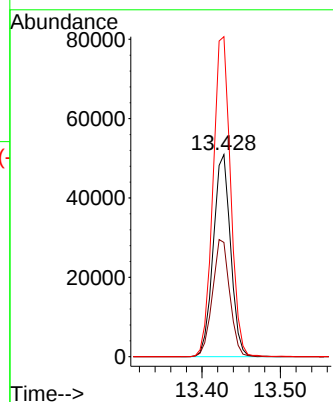
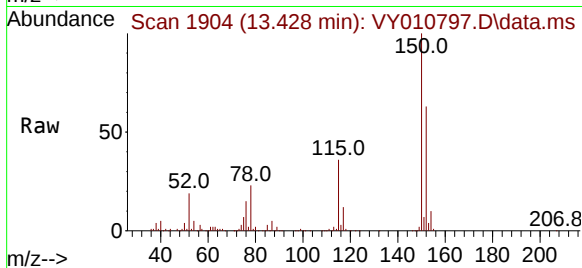
Tgt Ion:152 Resp: 78111

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 160.3 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 58.877 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY010797.D

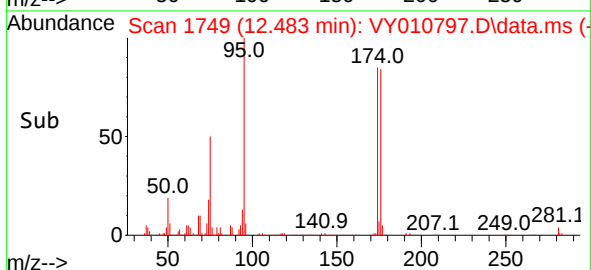
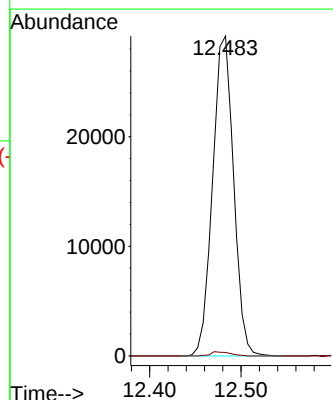
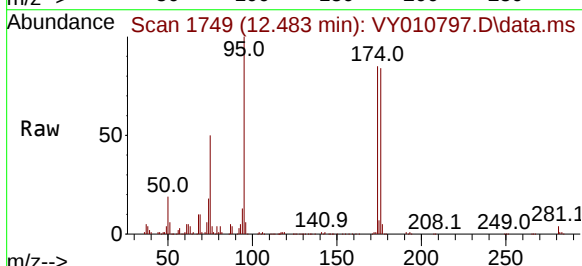
Acq: 04 Oct 2022 15:55

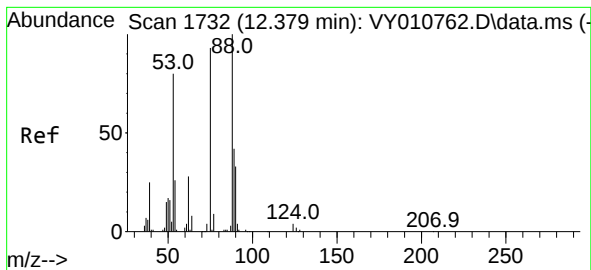
Tgt Ion: 75 Resp: 46573

Ion Ratio Lower Upper

75 100

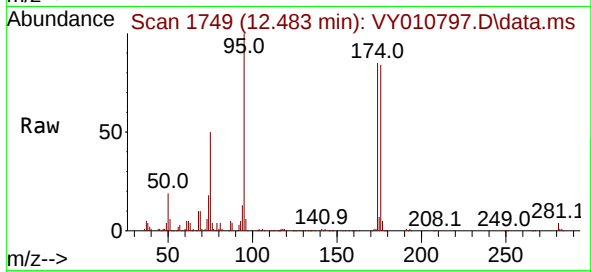
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.989 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010797.D
 Acq: 04 Oct 2022 15:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 46573
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

