

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010771.D
 Acq On : 03 Oct 2022 17:12
 Operator : KP/MD
 Sample : N4907-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-092922

Quant Time: Oct 04 07:33:11 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)

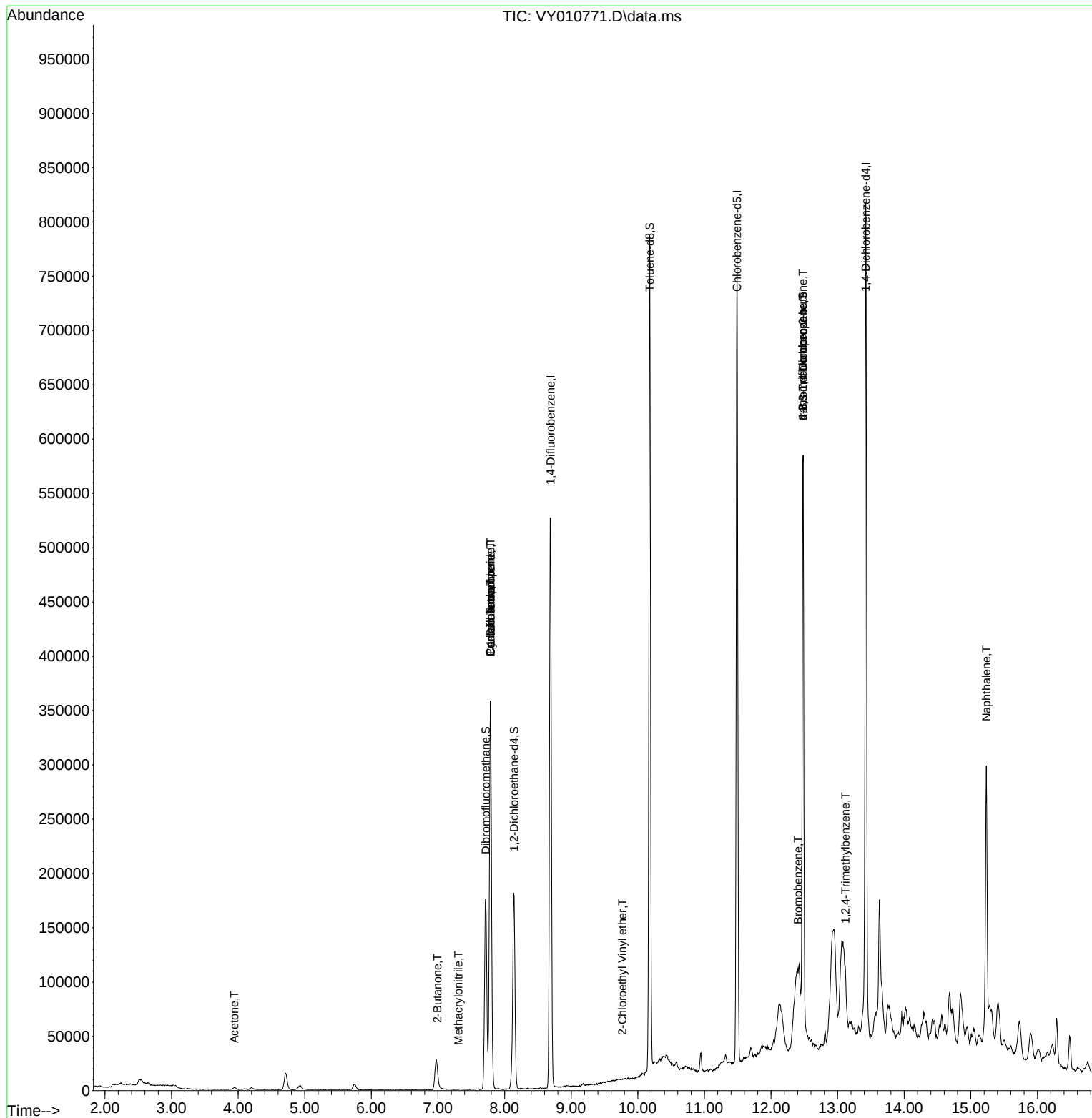
Internal Standards						
1) Pentafluorobenzene	7.789	168	278187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	462910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	186525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	136808	48.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.716	113	125909	40.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.940%
50) Toluene-d8	10.179	98	492514	46.867	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.740%
62) 4-Bromofluorobenzene	12.477	95	160862	38.322	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	2509	Below Cal	#	77
13) Acrolein	3.723	56	20	Below Cal	#	14
16) Acetone	3.942	43	3863	5.394	ug/l	100
20) Methylene Chloride	4.716	84	11524	Below Cal	#	86
25) 2-Butanone	6.990	43	2262	2.197	ug/l	99
31) Cyclohexane	7.789	56	5792	1.148	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	21406	4.826	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	27752	6.007	ug/l	# 15
41) Methacrylonitrile	7.307	41	79	2.640	ug/l	# 78
58) 2-Chloroethyl Vinyl ether	9.770	63	72	25.836	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	84222	44.587	ug/l	# 100
77) Bromobenzene	12.404	156	135819	43.177	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.477	75	84222	93.139	ug/l	# 8
84) 1,2,4-Trimethylbenzene	13.117	105	13590	1.192	ug/l	82
95) Naphthalene	15.233	128	202516	32.542	ug/l	99

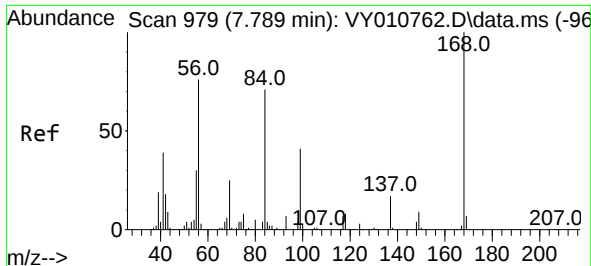
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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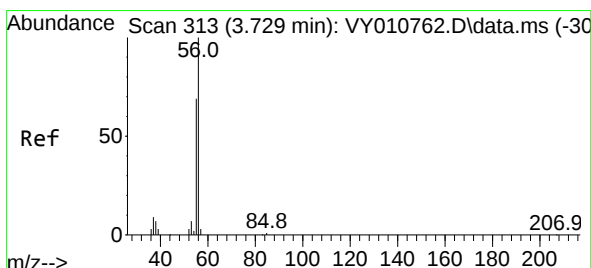
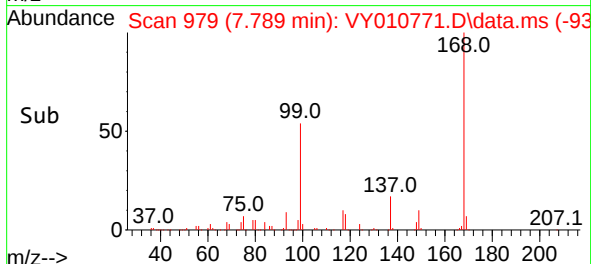
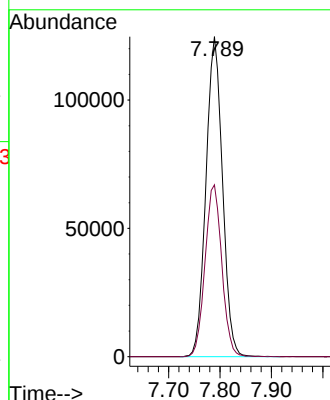
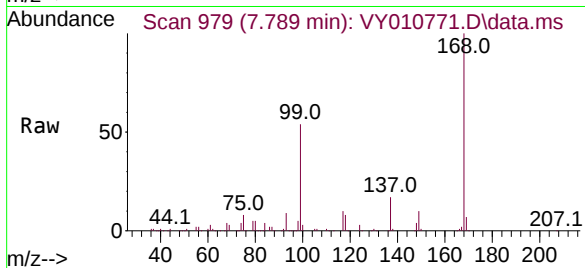




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

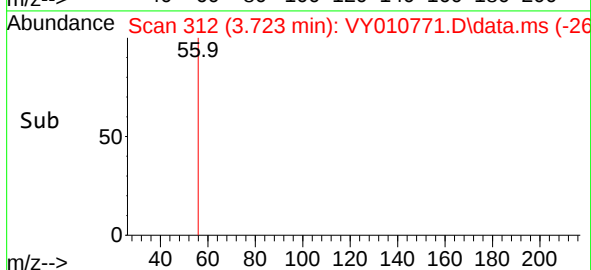
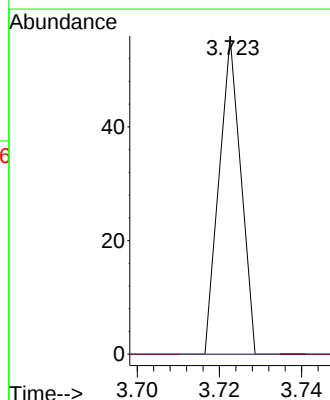
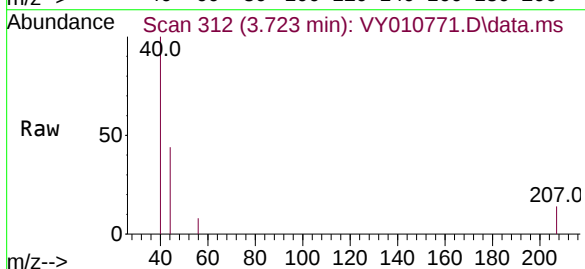
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-092922

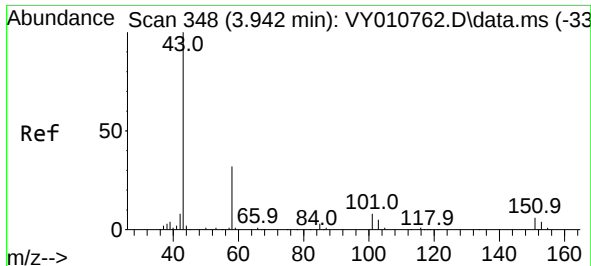
Tgt Ion:168 Resp: 278187
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

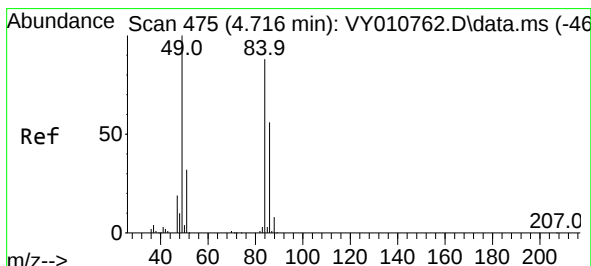
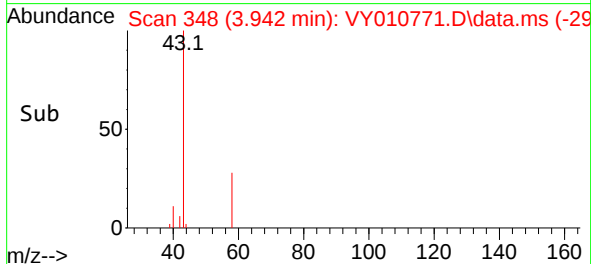
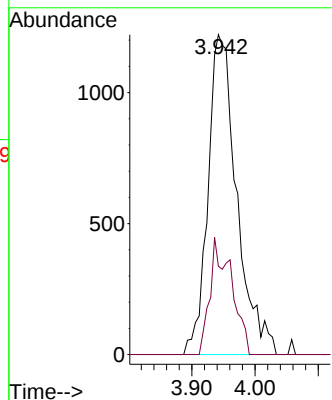
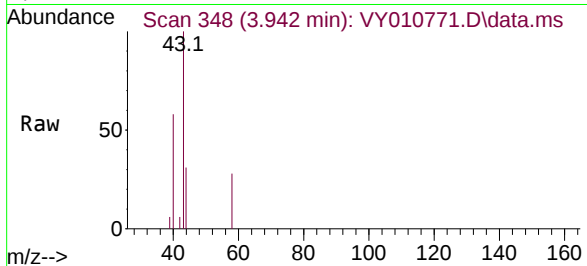




#16
Acetone
Concen: 5.394 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

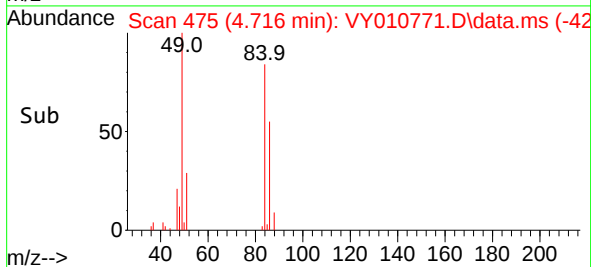
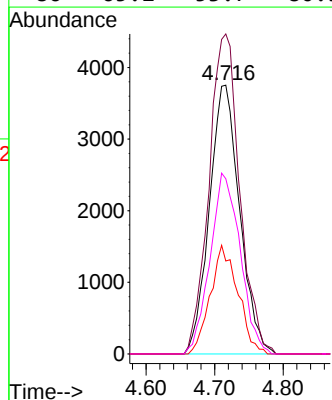
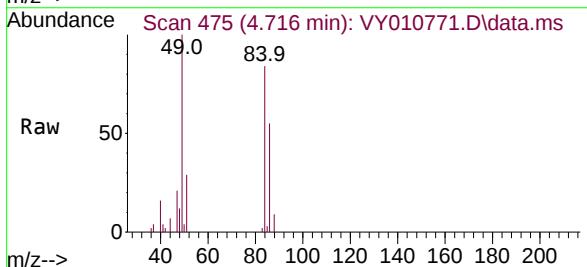
Instrument :
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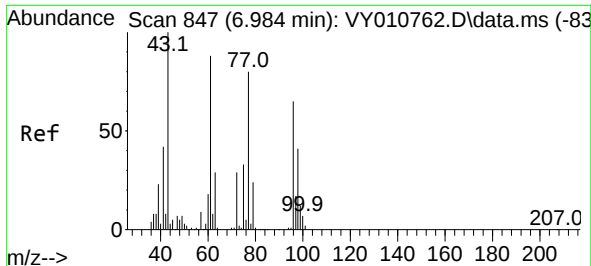
Tgt Ion: 43 Resp: 3863
Ion Ratio Lower Upper
43 100
58 27.6 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 84 Resp: 11524
Ion Ratio Lower Upper
84 100
49 119.1 114.4 171.6
51 34.6 35.3 52.9#
86 65.2 53.7 80.5

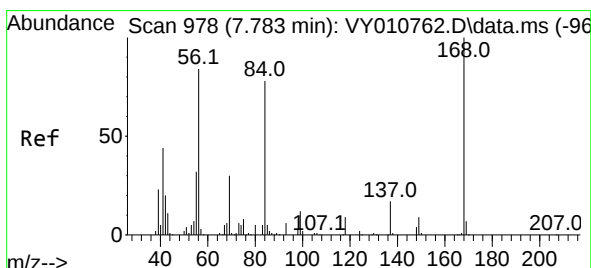
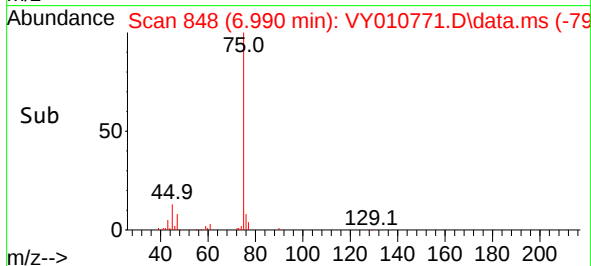
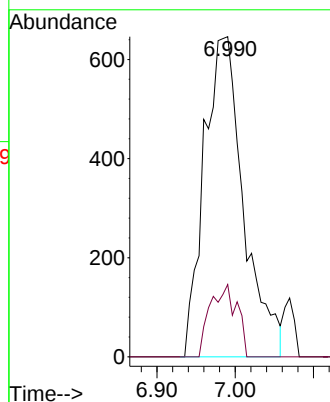
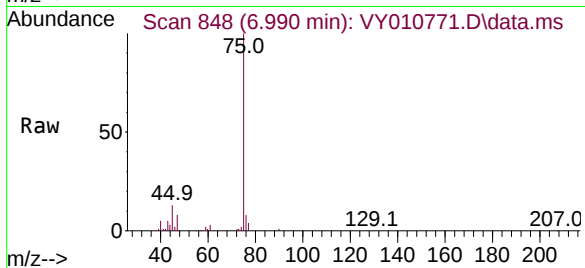




#25
2-Butanone
Concen: 2.197 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

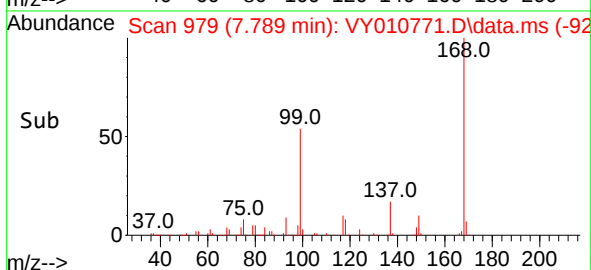
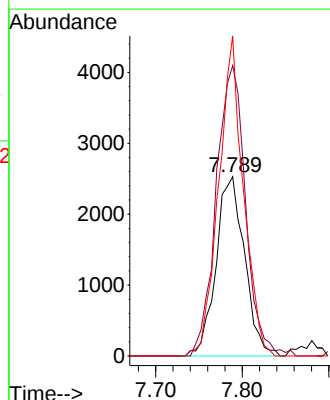
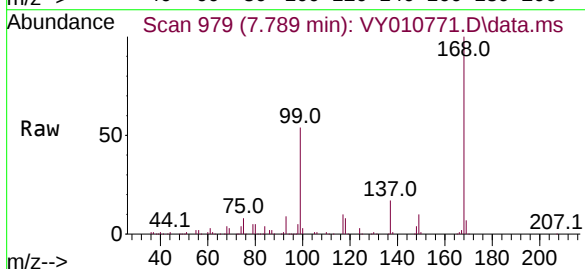
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-092922

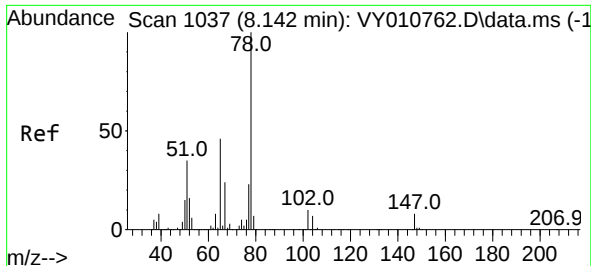
Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
72 22.6 17.7 26.5



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 56 Resp: 5792
Ion Ratio Lower Upper
56 100
69 162.1 26.7 40.1#
84 178.6 67.2 100.8#

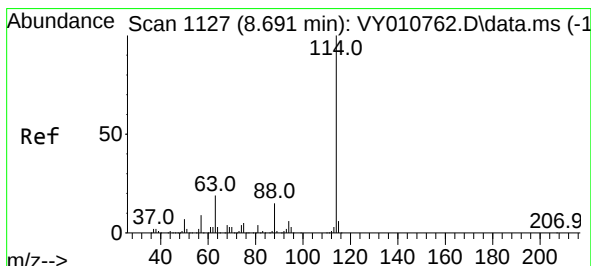
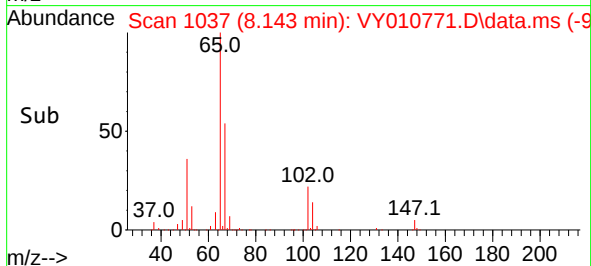
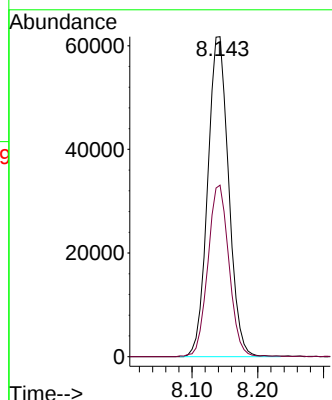
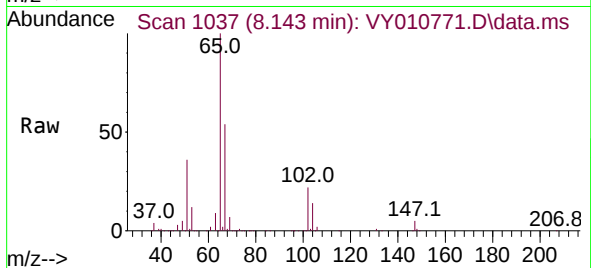




#33
 1,2-Dichloroethane-d4
 Concen: 48.517 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.001 min
 Lab File: VY010771.D
 Acq: 03 Oct 2022 17:12

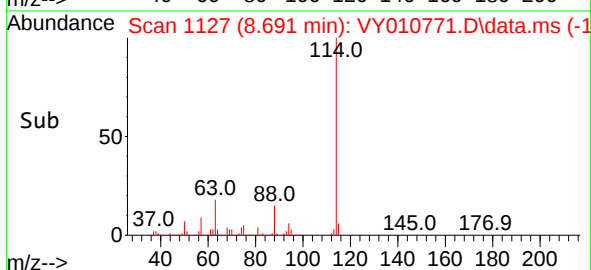
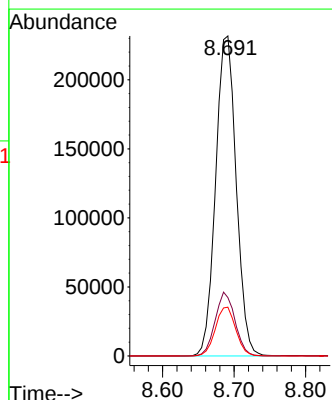
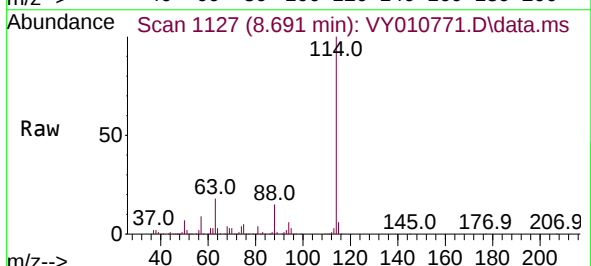
Instrument :
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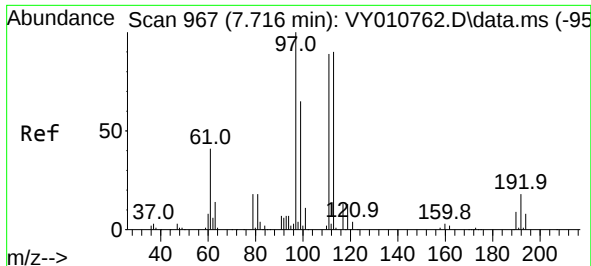
Tgt Ion: 65 Resp: 136808
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY010771.D
 Acq: 03 Oct 2022 17:12

Tgt Ion: 114 Resp: 462910
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.2
 88 15.2 0.0 31.8

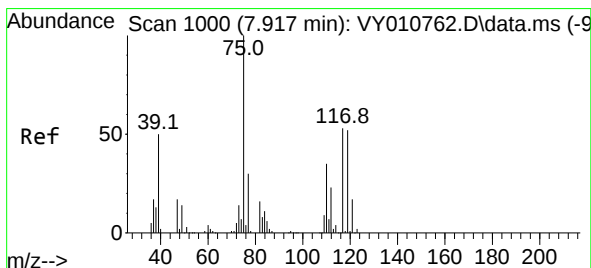
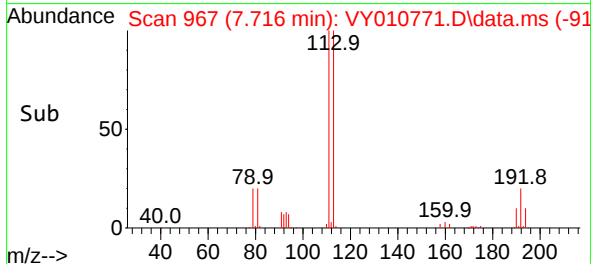
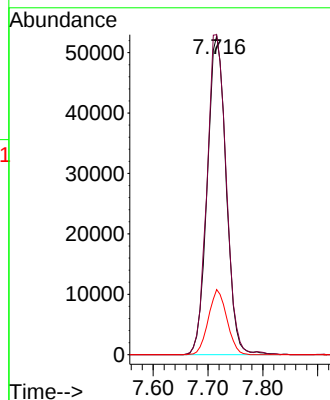
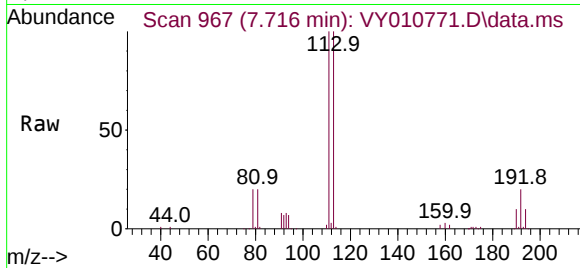




#35
Dibromofluoromethane
Concen: 40.975 ug/l
RT: 7.716 min Scan# 912
Delta R.T. -0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

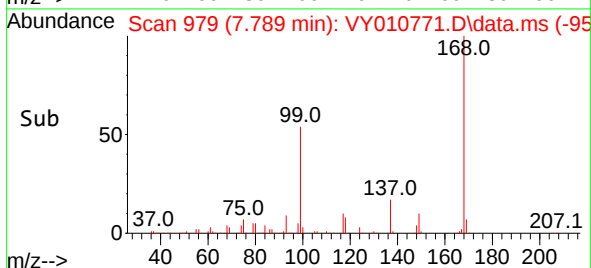
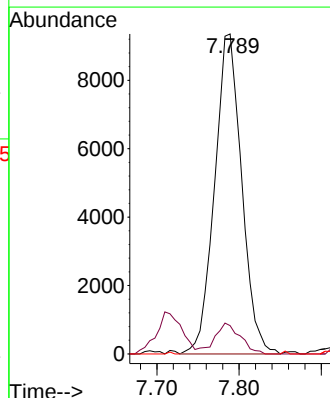
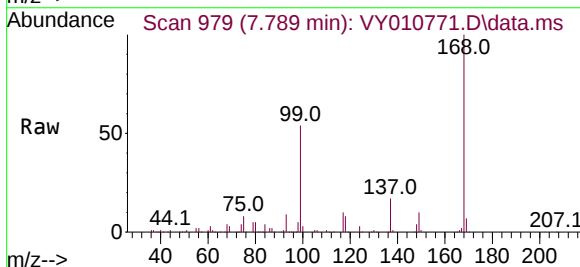
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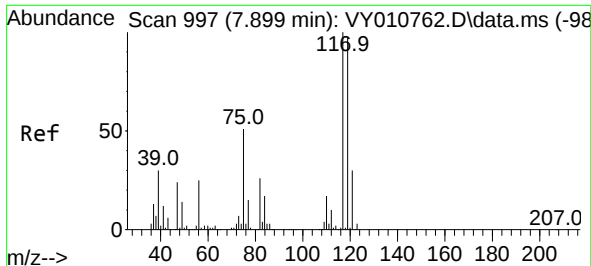
Tgt Ion:113 Resp: 125909
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

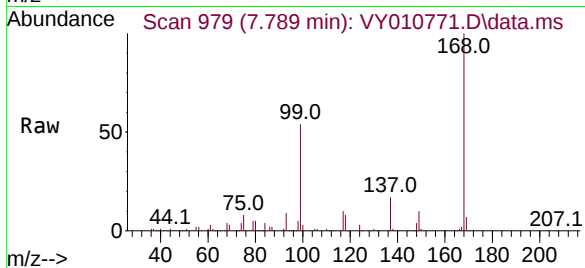
Tgt Ion: 75 Resp: 21406
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



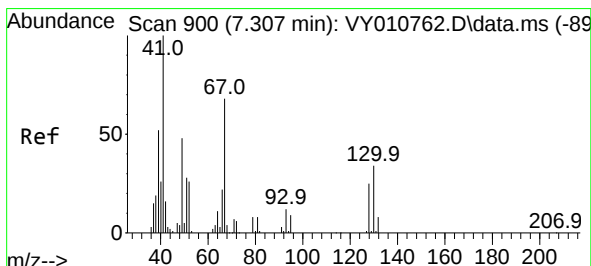
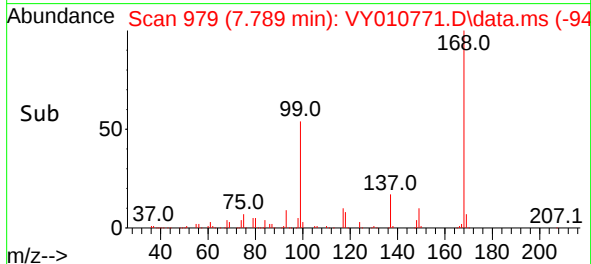
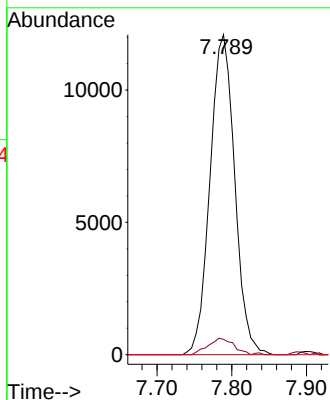


#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Instrument :
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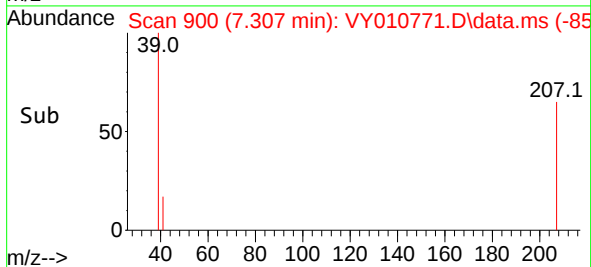
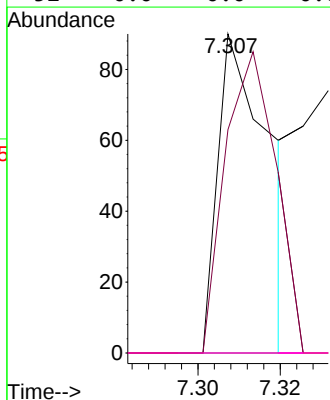
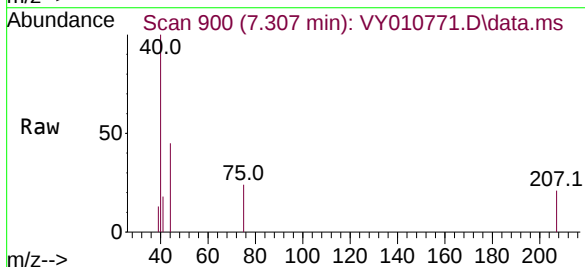


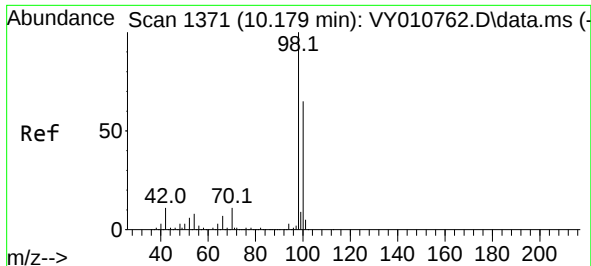
Tgt Ion: 117 Resp: 27752
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.640 ug/l
RT: 7.307 min Scan# 900
Delta R.T. 0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 41 Resp: 79
Ion Ratio Lower Upper
41 100
39 92.4 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

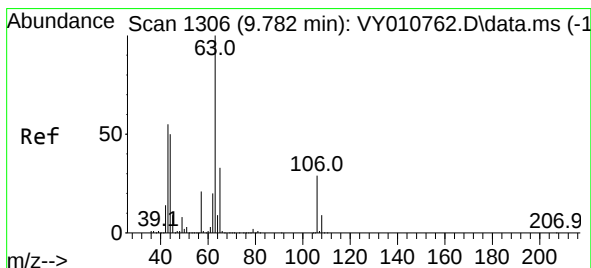
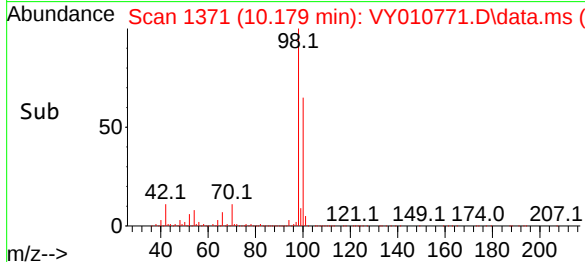
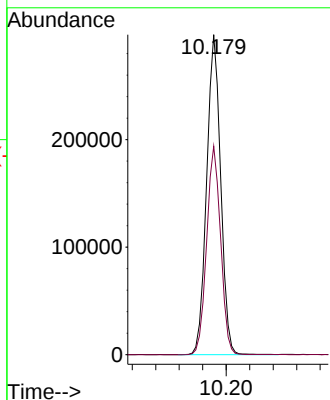
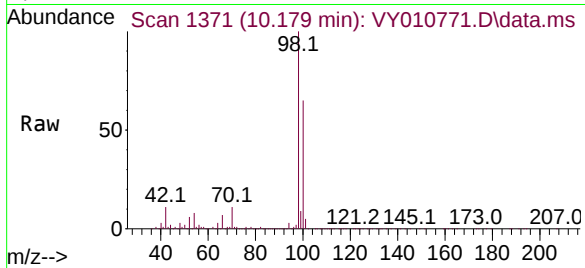




#50
Toluene-d8
Concen: 46.867 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

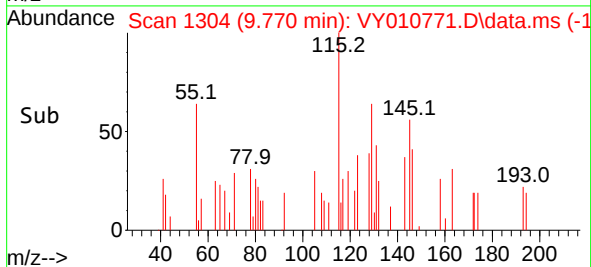
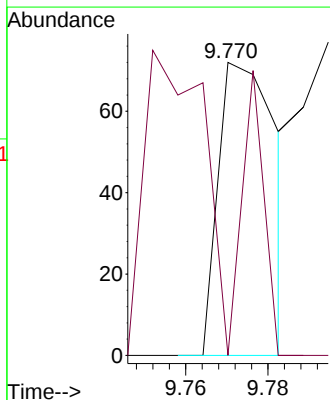
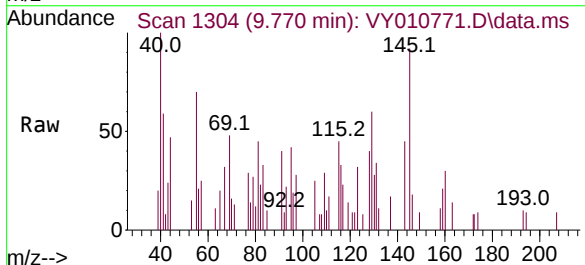
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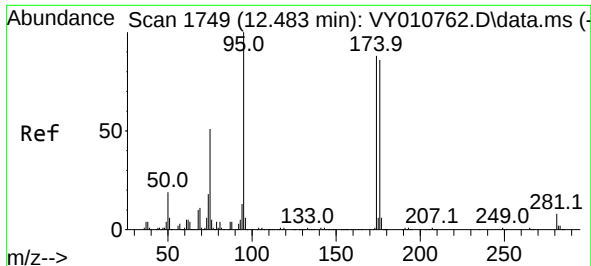
Tgt Ion: 98 Resp: 492514
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 25.836 ug/l
RT: 9.770 min Scan# 1304
Delta R.T. -0.012 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 63 Resp: 72
Ion Ratio Lower Upper
63 100
106 140.3 21.5 32.3#

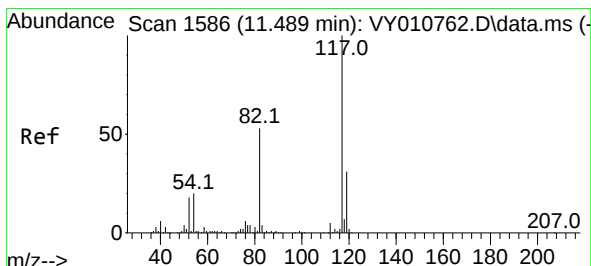
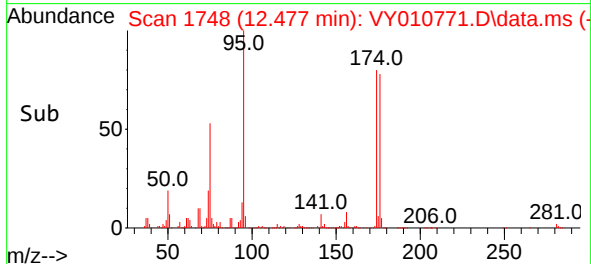
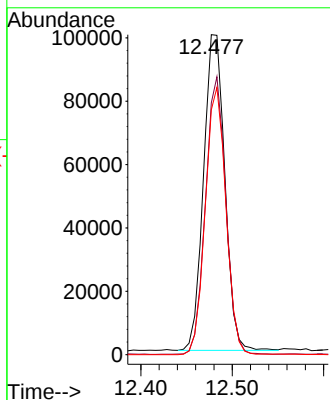
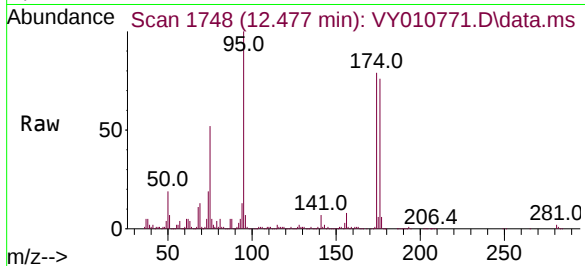




#62
4-Bromofluorobenzene
Concen: 38.322 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

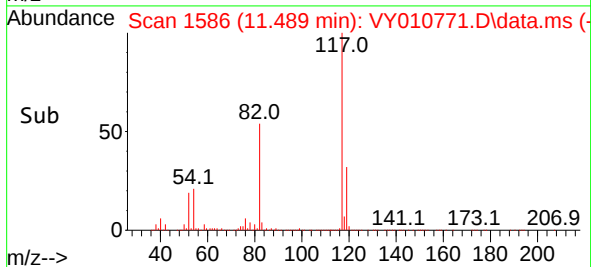
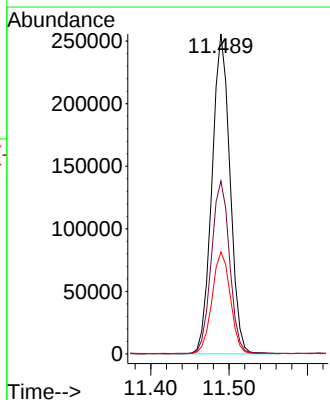
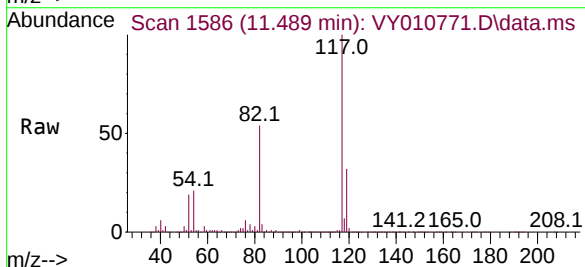
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-092922

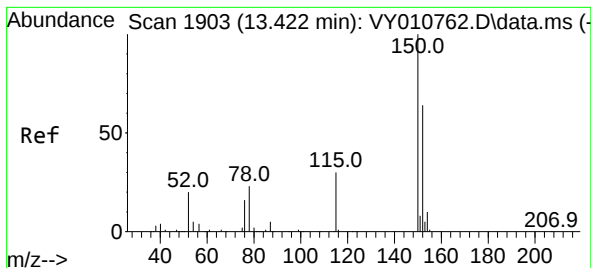
Tgt Ion: 95 Resp: 160862
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 117 Resp: 408464
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010771.D

Acq: 03 Oct 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-092922

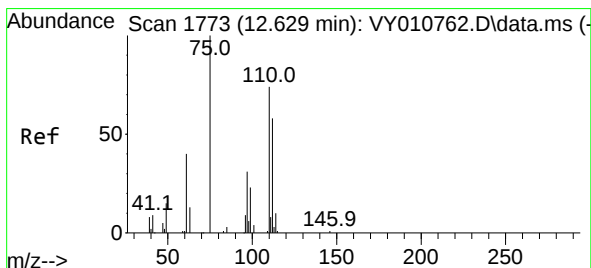
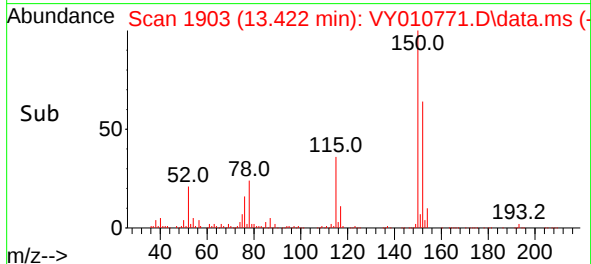
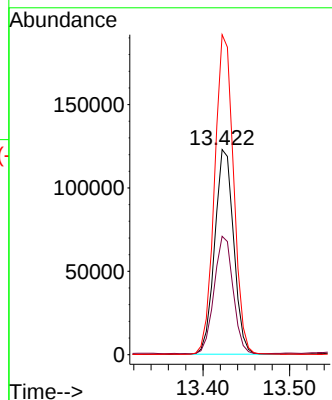
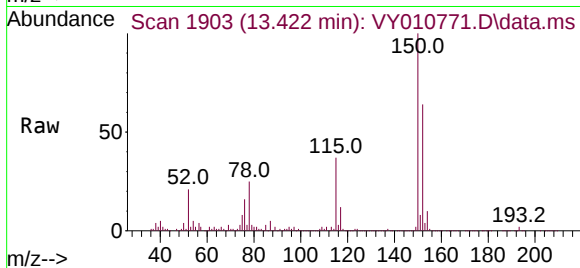
Tgt Ion:152 Resp: 186525

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 156.5 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.587 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010771.D

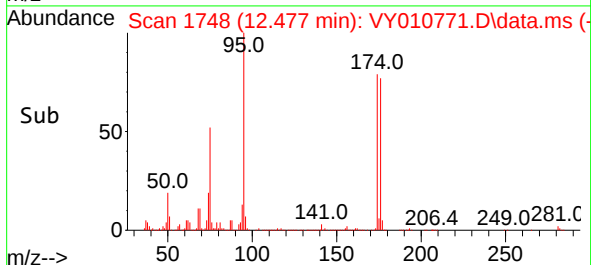
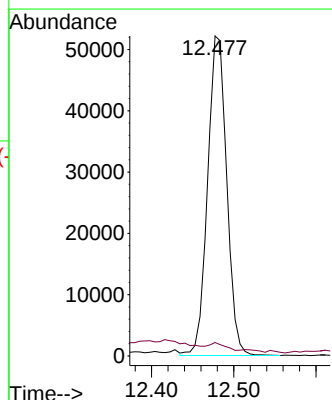
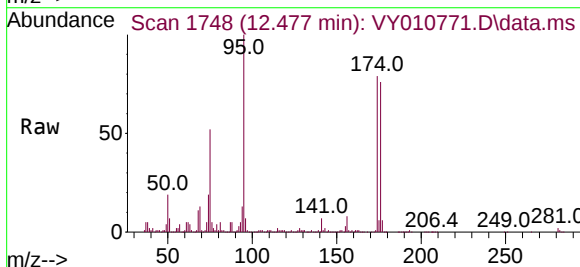
Acq: 03 Oct 2022 17:12

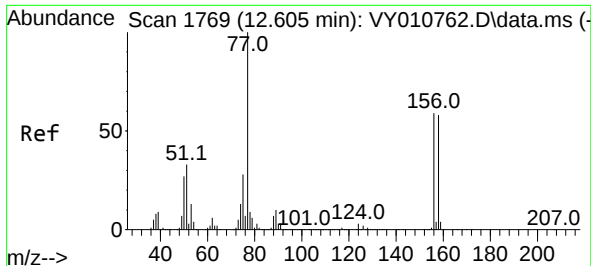
Tgt Ion: 75 Resp: 84222

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

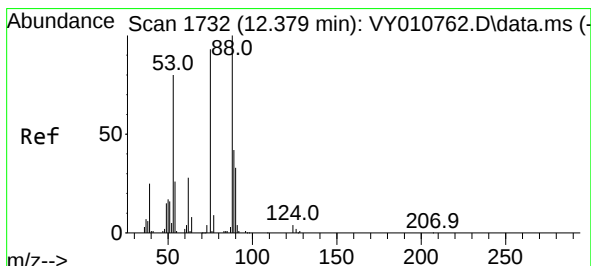
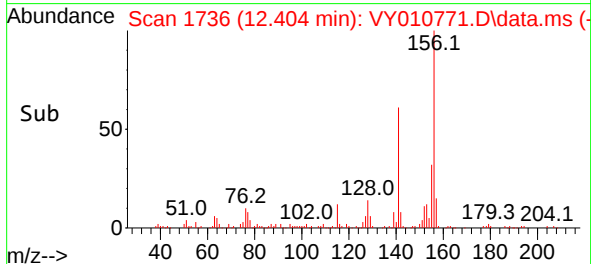
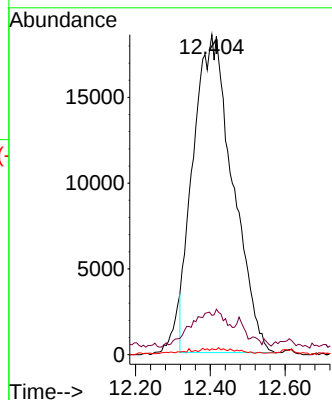
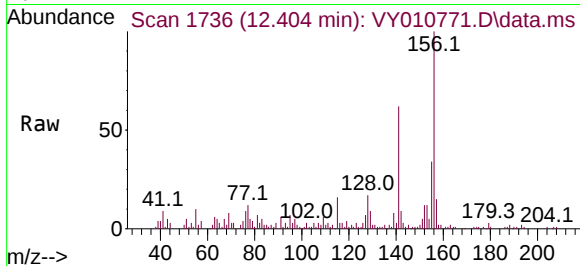




#77
Bromobenzene
Concen: 43.177 ug/l
RT: 12.404 min Scan# 11
Delta R.T. -0.201 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

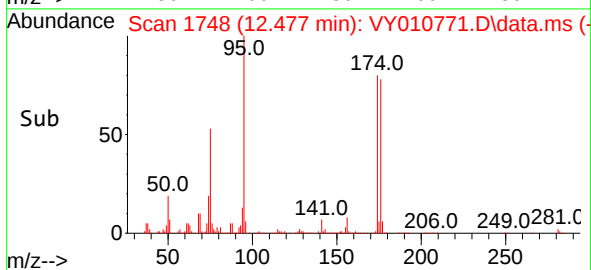
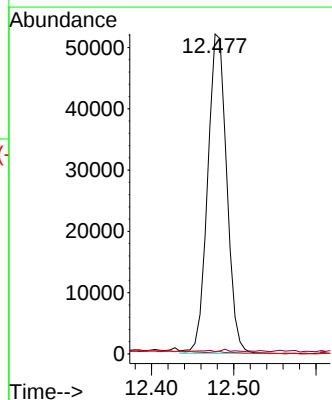
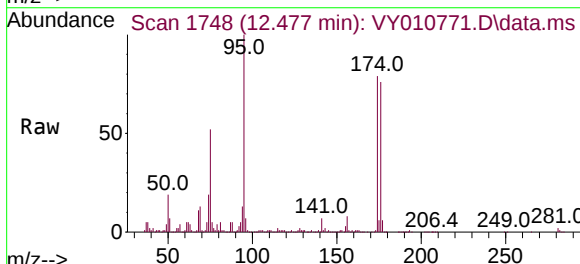
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-092922

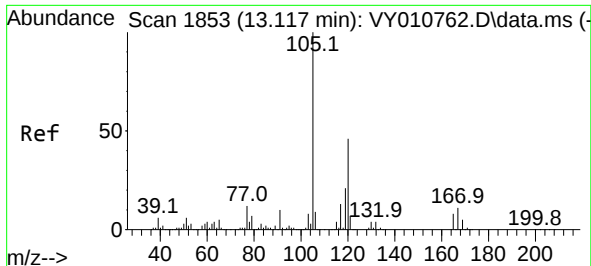
Tgt Ion:156 Resp: 135819
Ion Ratio Lower Upper
156 100
77 3.8 95.5 286.4#
158 0.0 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.139 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion: 75 Resp: 84222
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 1.2 37.0 55.4#

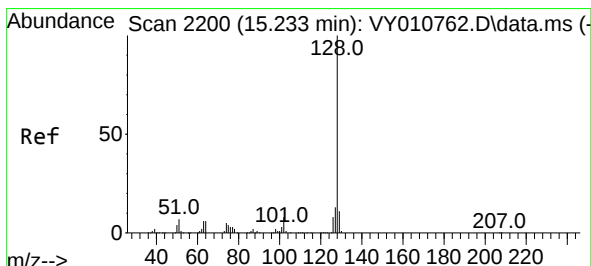
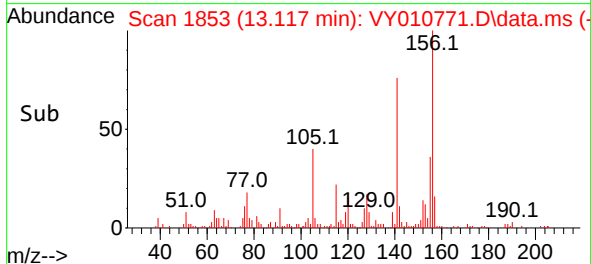
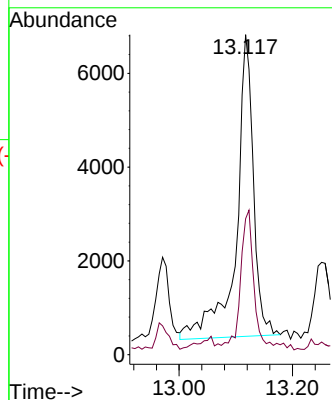
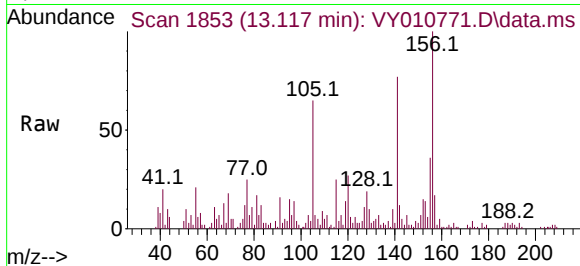




#84
1,2,4-Trimethylbenzene
Concen: 1.192 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Instrument :
MSVOA_Y
ClientSampleId :
SU-03-092922

Tgt Ion:105 Resp: 13590
Ion Ratio Lower Upper
105 100
120 33.0 22.3 66.9



#95
Naphthalene
Concen: 32.542 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010771.D
Acq: 03 Oct 2022 17:12

Tgt Ion:128 Resp: 202516
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 11.5 8.4 12.6

