

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010290.D
 Acq On : 02 Sep 2022 19:38
 Operator : KP/MD
 Sample : N4465-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 02 22:54:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

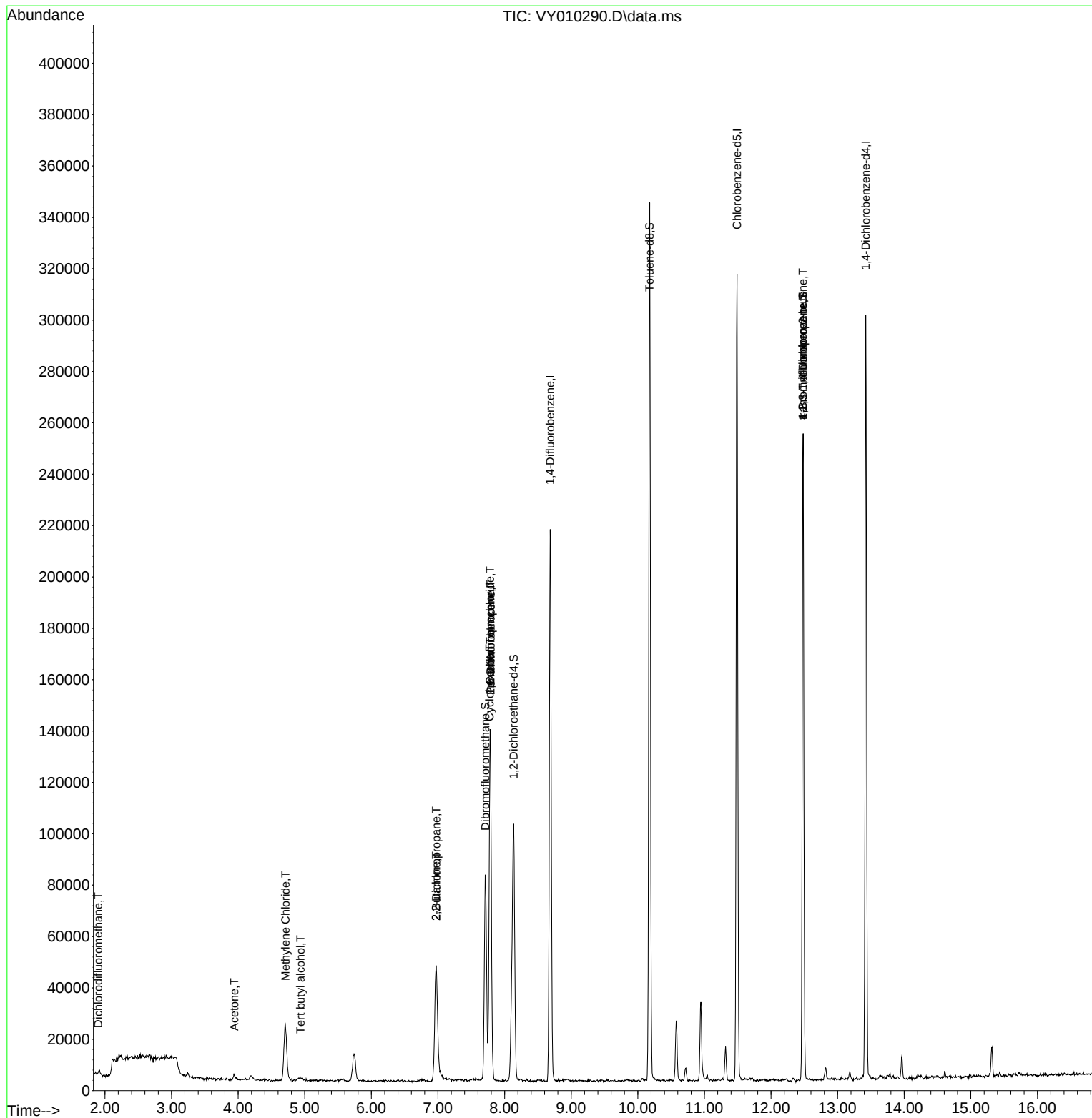
Internal Standards						
1) Pentafluorobenzene	7.789	168	109396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	186875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	175399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66729	59.487	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.980%	
35) Dibromofluoromethane	7.709	113	57416	46.152	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.300%	
50) Toluene-d8	10.178	98	223353	53.624	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.240%	
62) 4-Bromofluorobenzene	12.477	95	76749	45.434	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.860%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.899	85	877	1.004	ug/l	84
5) Bromomethane	2.661	94	724	Below Cal	#	24
11) Tert butyl alcohol	4.935	59	1245	9.277	ug/l #	82
16) Acetone	3.942	43	2861	10.203	ug/l	92
20) Methylene Chloride	4.710	84	16675	12.322	ug/l	86
25) 2-Butanone	6.972	43	2960	6.432	ug/l #	82
26) 2,2-Dichloropropane	6.972	77	3634	1.778	ug/l #	55
31) Cyclohexane	7.776	56	2439	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8488	4.650	ug/l #	51
38) Carbon Tetrachloride	7.782	117	10723	5.700	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	39090	42.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39090	89.585	ug/l #	7

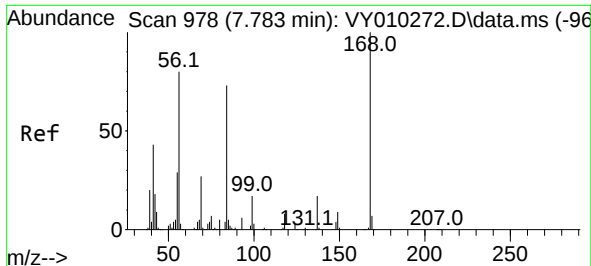
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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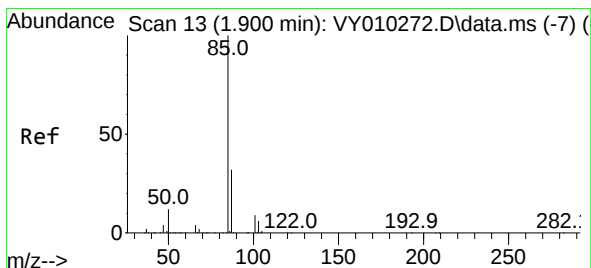
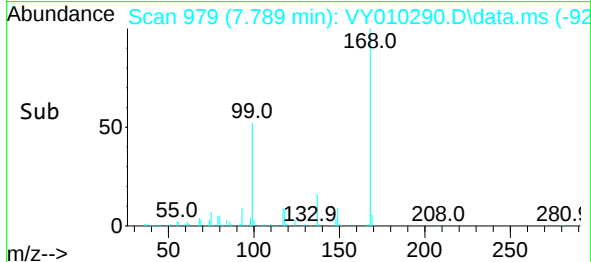
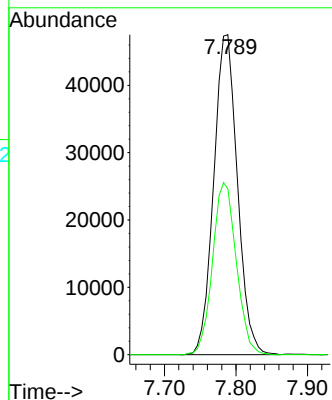
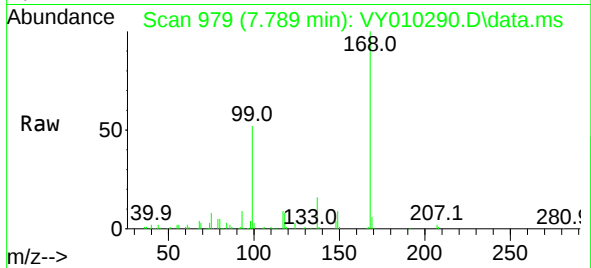




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

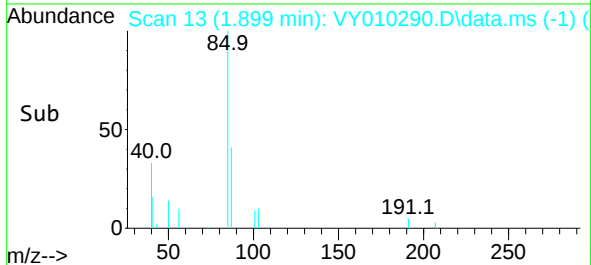
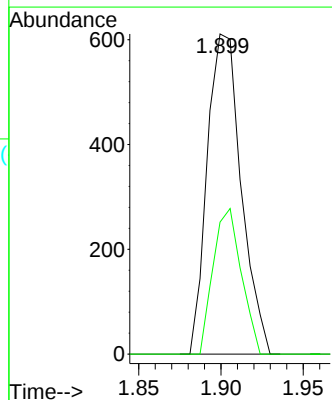
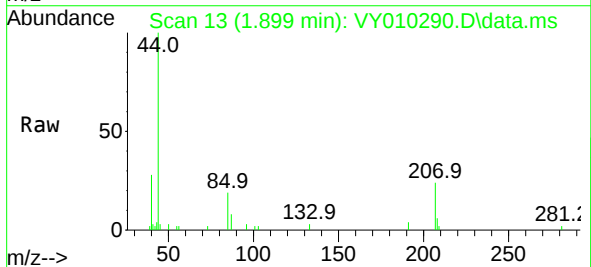
Instrument :
MSVOA_Y
ClientSampleId :

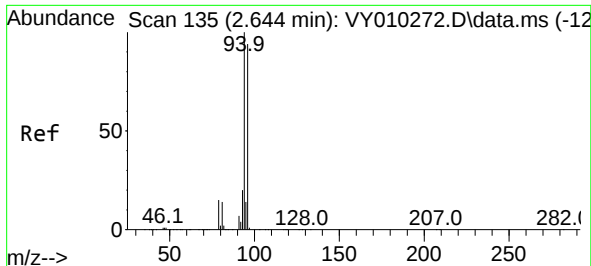
Tgt Ion:168 Resp: 109396
Ion Ratio Lower Upper
168 100
99 51.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.004 ug/l
RT: 1.899 min Scan# 13
Delta R.T. -0.001 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Tgt Ion: 85 Resp: 877
Ion Ratio Lower Upper
85 100
87 41.2 16.1 48.2

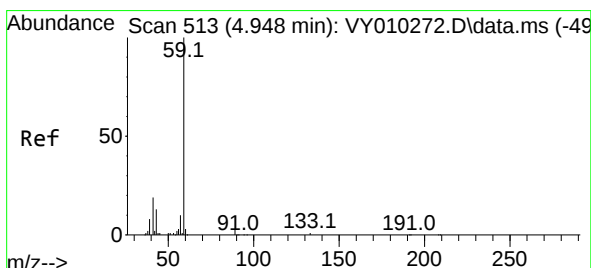
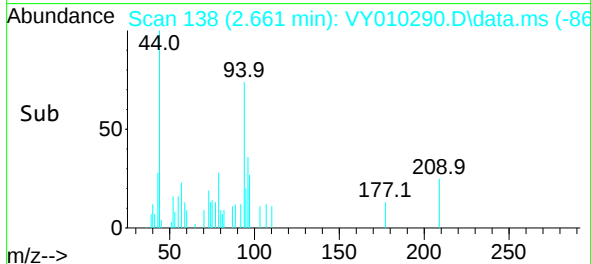
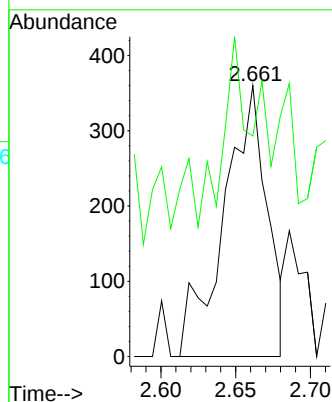
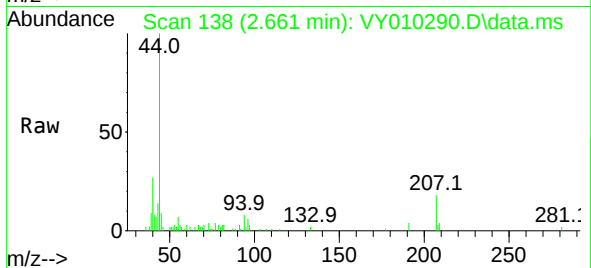




#5
Bromomethane
Concen: Below Cal
RT: 2.661 min Scan# 11
Delta R.T. 0.017 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

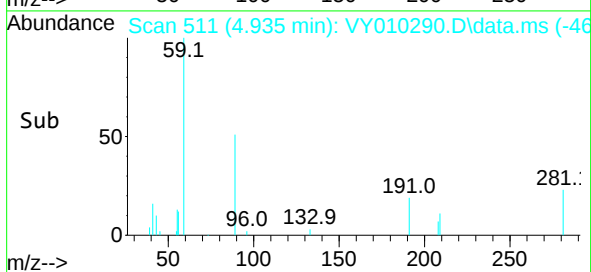
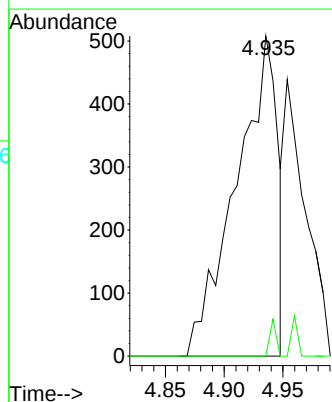
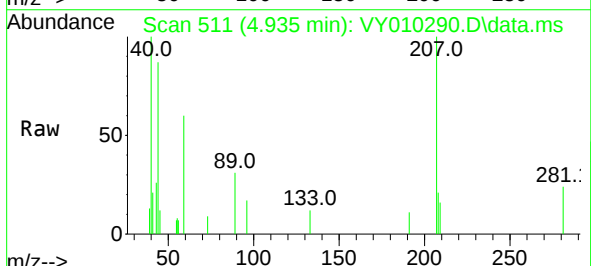
Instrument :
MSVOA_Y
ClientSampleId :

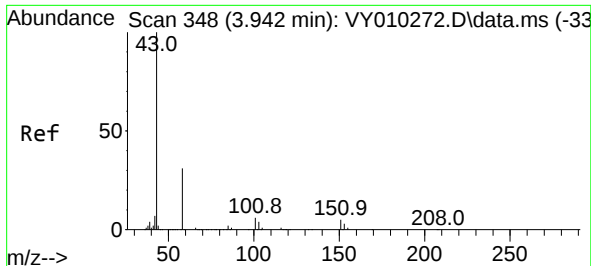
Tgt Ion: 94 Resp: 724
Ion Ratio Lower Upper
94 100
96 19.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: 9.277 ug/l
RT: 4.935 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

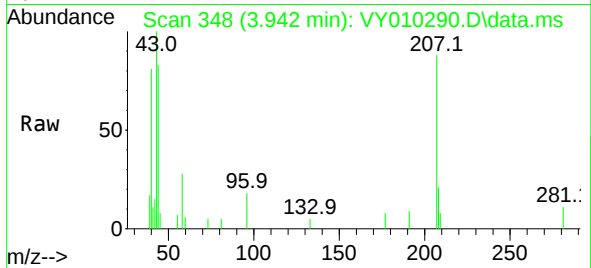
Tgt Ion: 59 Resp: 1245
Ion Ratio Lower Upper
59 100
57 1.8 6.4 9.6#



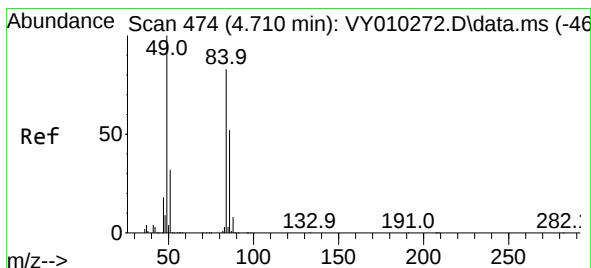
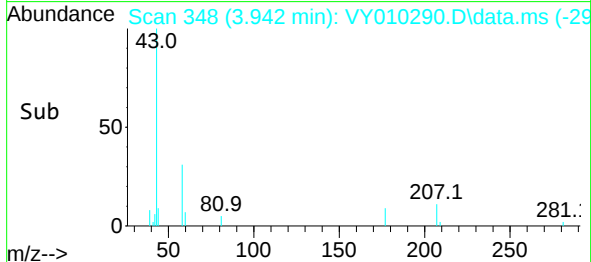
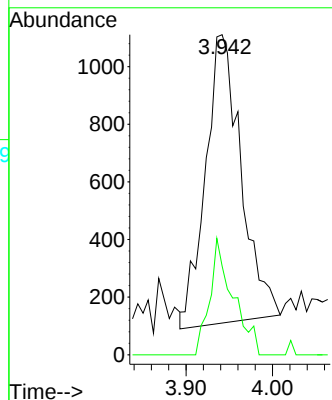


#16
Acetone
Concen: 10.203 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Instrument :
MSVOA_Y
ClientSampleId :

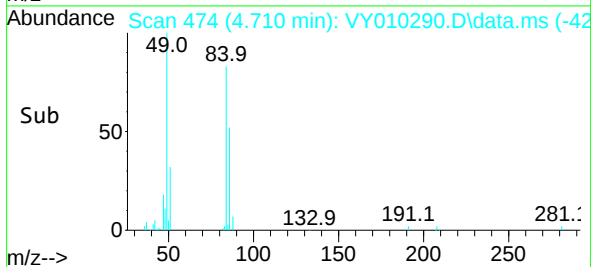
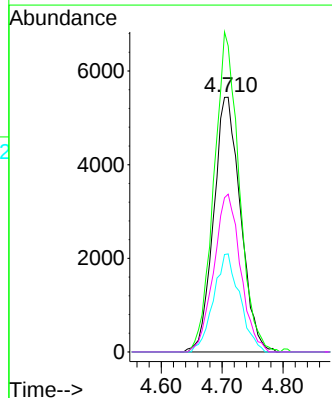
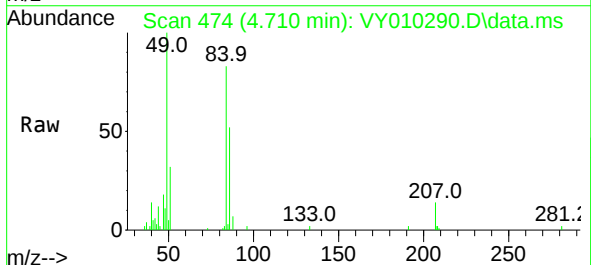


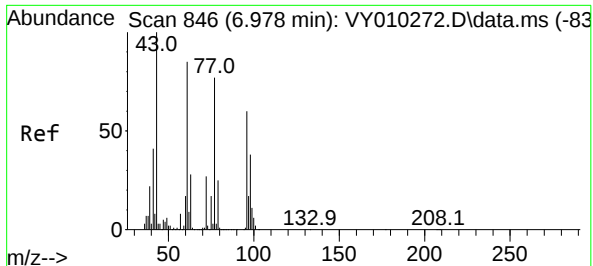
Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



#20
Methylene Chloride
Concen: 12.322 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Tgt Ion: 84 Resp: 16675
Ion Ratio Lower Upper
84 100
49 120.1 114.4 171.6
51 38.5 35.3 52.9
86 61.9 53.7 80.5





#25

2-Butanone

Concen: 6.432 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010290.D

Acq: 02 Sep 2022 19:38

Instrument :

MSVOA_Y

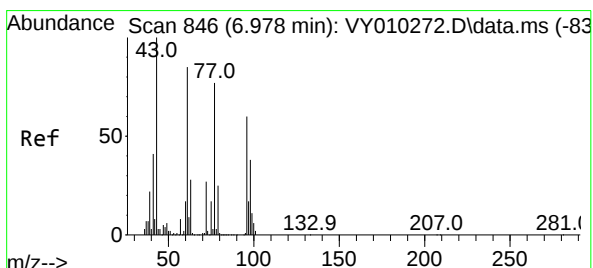
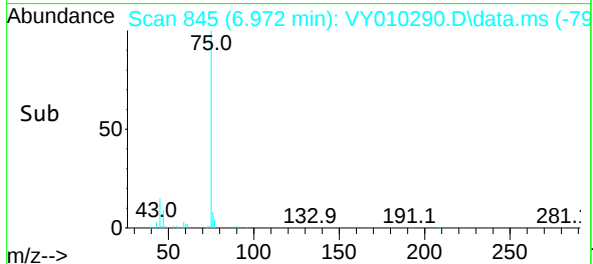
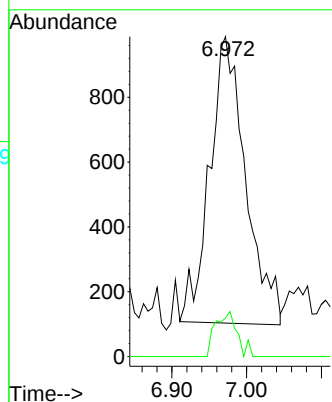
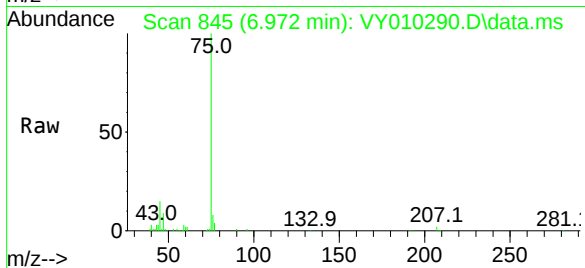
ClientSampleId :

Tgt Ion: 43 Resp: 2960

Ion Ratio Lower Upper

43 100

72 13.6 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.778 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010290.D

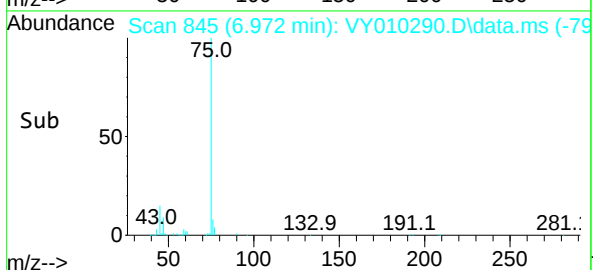
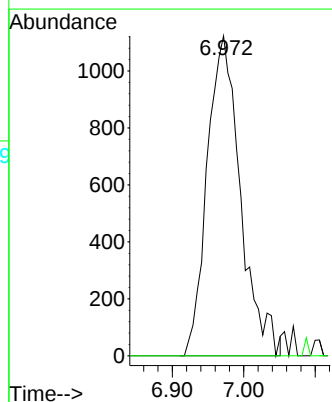
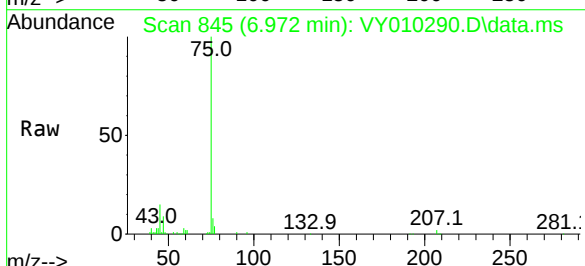
Acq: 02 Sep 2022 19:38

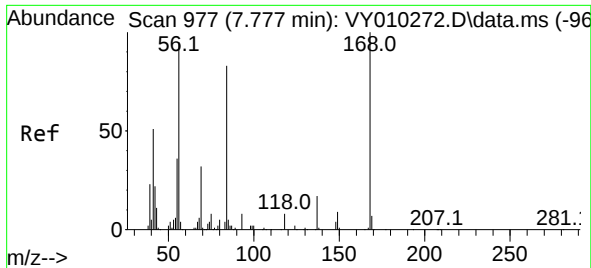
Tgt Ion: 77 Resp: 3634

Ion Ratio Lower Upper

77 100

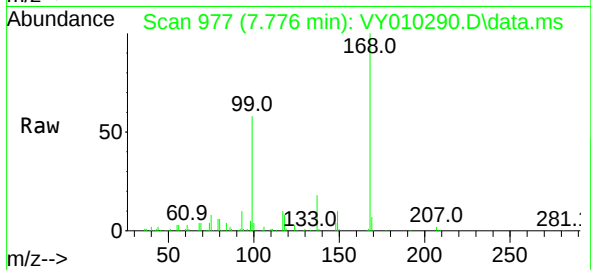
97 0.0 10.4 31.4#



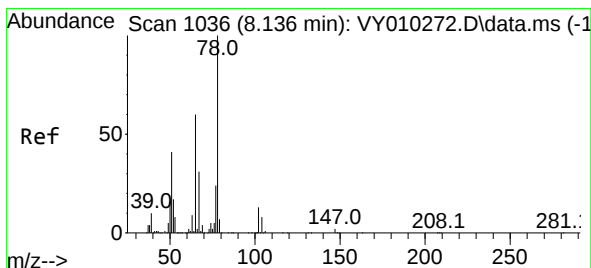
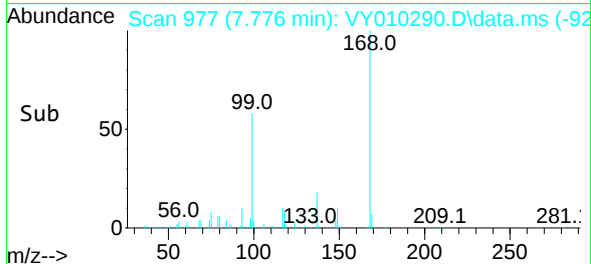
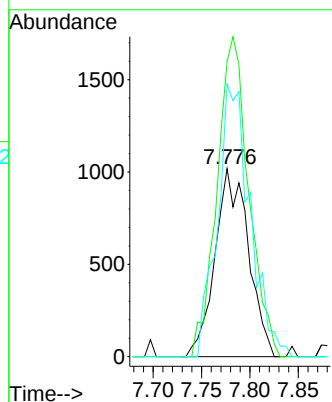


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Instrument :
MSVOA_Y
ClientSampleId :

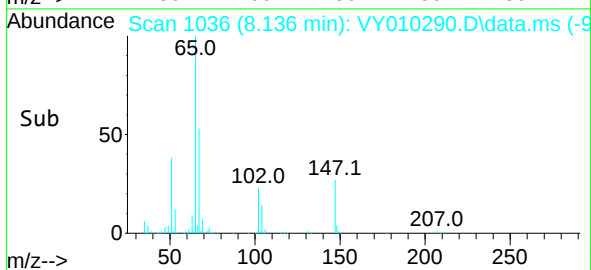
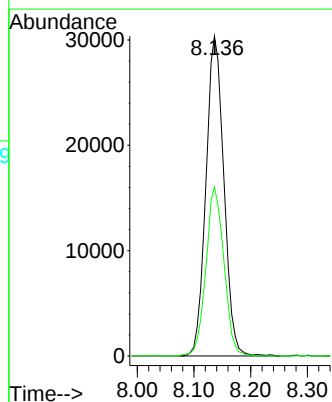
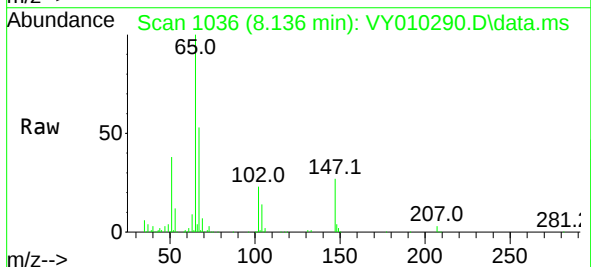


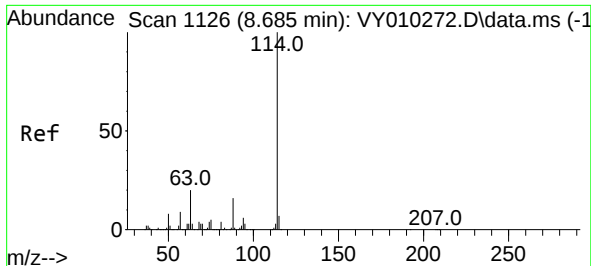
Tgt Ion: 56 Resp: 2439
Ion Ratio Lower Upper
56 100
69 157.0 26.7 40.1#
84 145.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.487 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Tgt Ion: 65 Resp: 66729
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

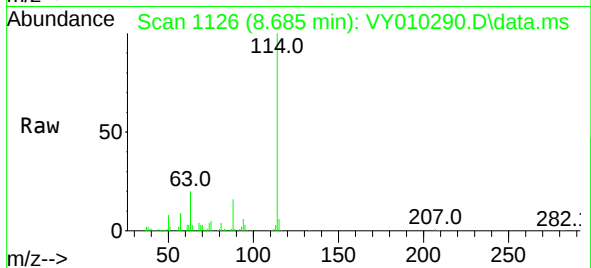
Lab File: VY010290.D

Acq: 02 Sep 2022 19:38

Instrument :

MSVOA_Y

ClientSampleId :



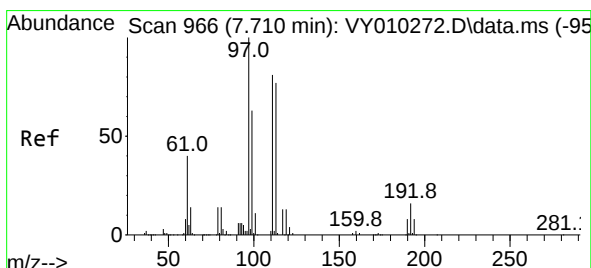
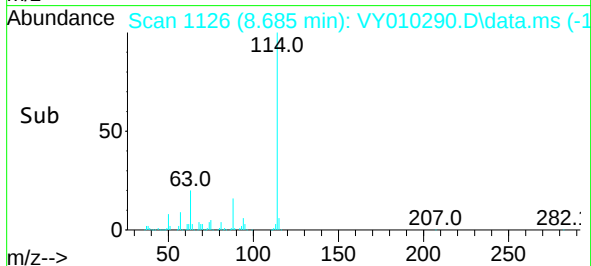
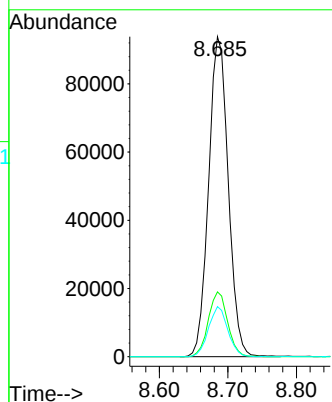
Tgt Ion:114 Resp: 186875

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.152 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY010290.D

Acq: 02 Sep 2022 19:38

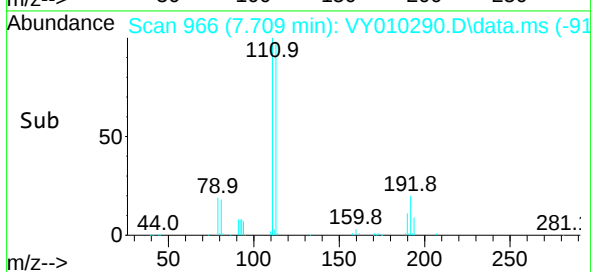
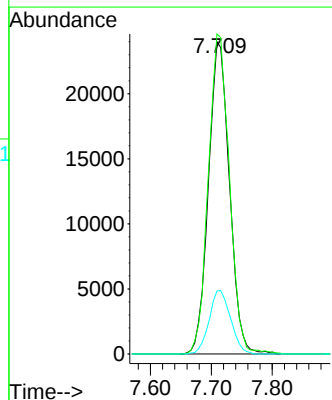
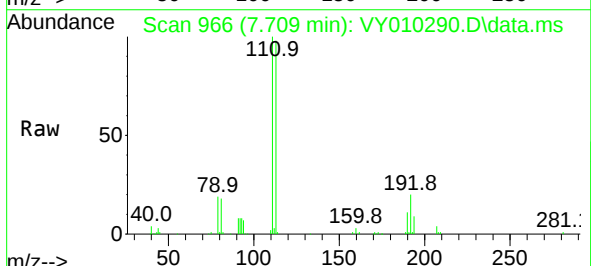
Tgt Ion:113 Resp: 57416

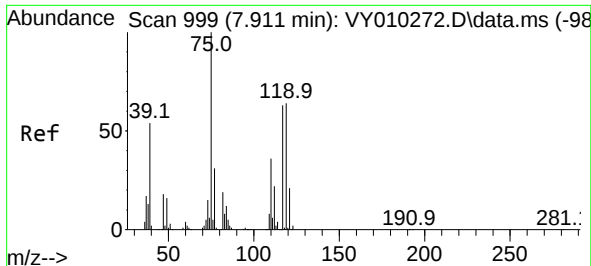
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 20.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

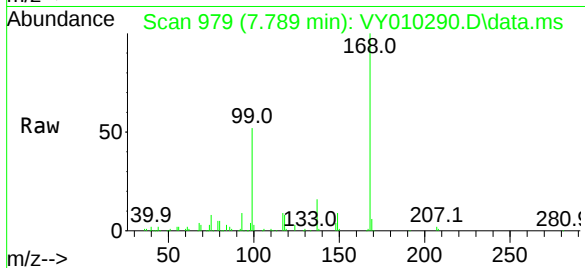
Lab File: VY010290.D

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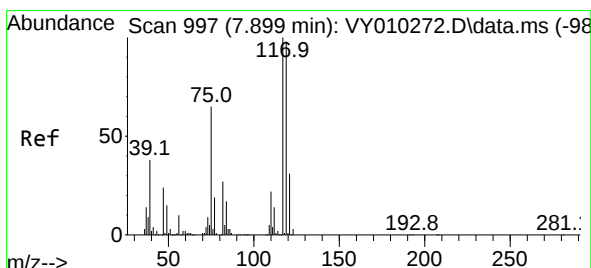
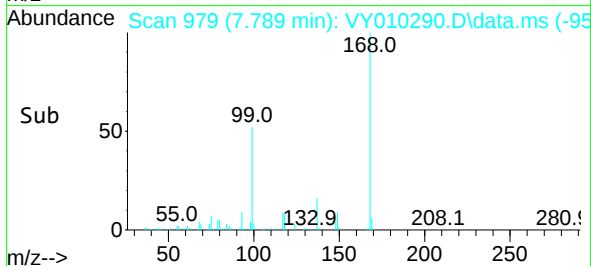
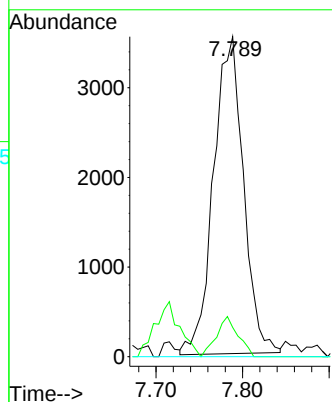
Tgt Ion: 75 Resp: 8488

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.117 min

Lab File: VY010290.D

Acq: 02 Sep 2022 19:38

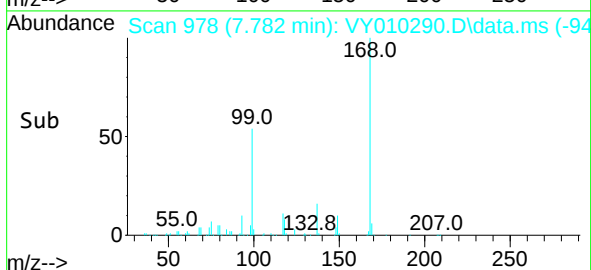
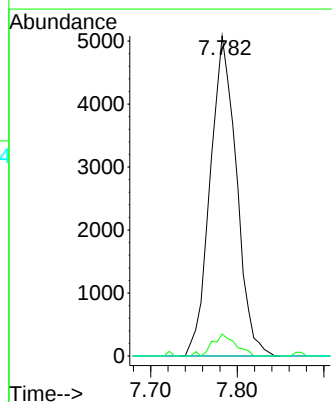
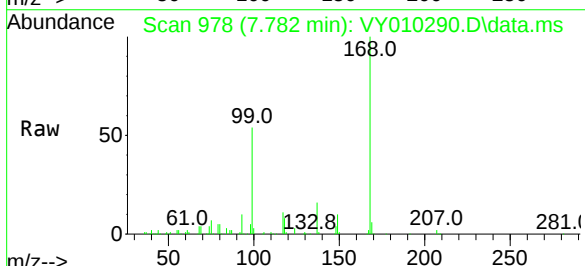
Tgt Ion: 117 Resp: 10723

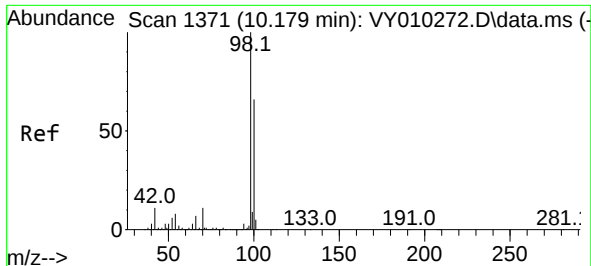
Ion Ratio Lower Upper

117 100

119 6.8 77.9 116.9#

121 0.0 24.8 37.2#

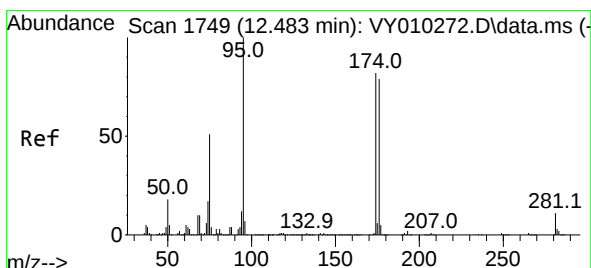
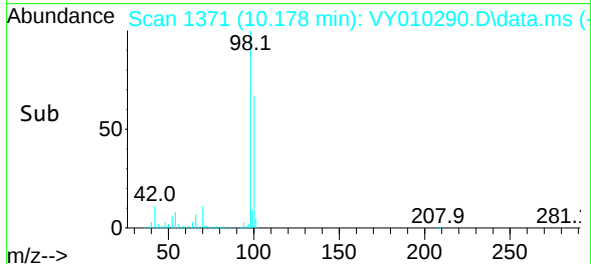
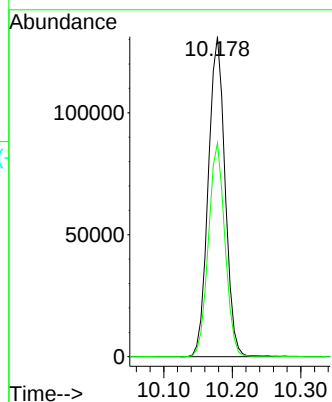
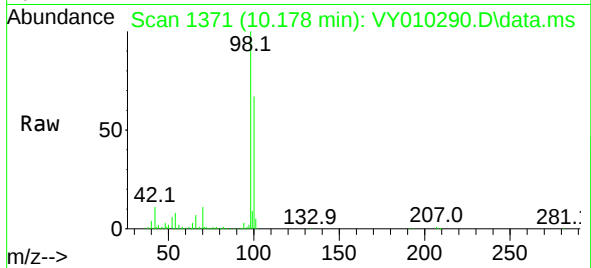




#50
Toluene-d8
Concen: 53.624 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

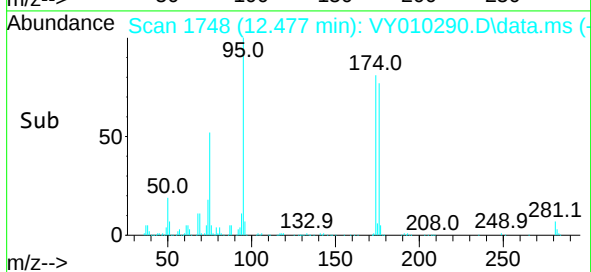
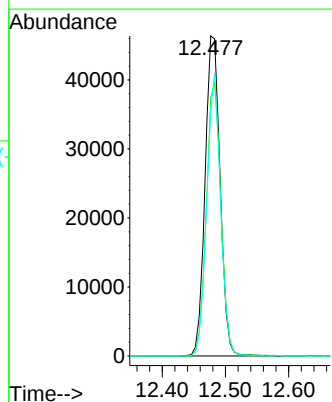
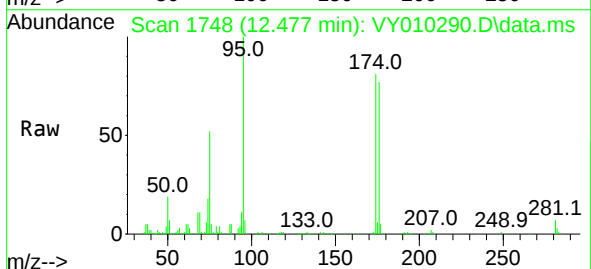
Instrument :
MSVOA_Y
ClientSampleId :

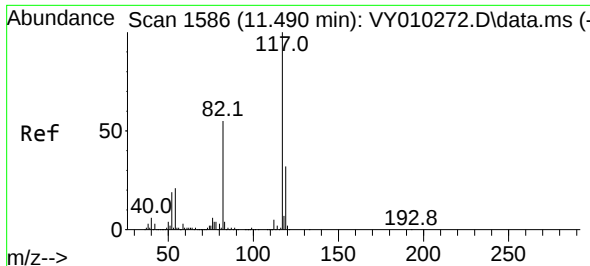
Tgt Ion: 98 Resp: 223353
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.434 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

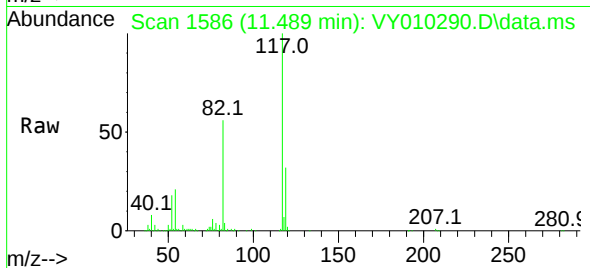
Tgt Ion: 95 Resp: 76749
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 81.0 0.0 175.8



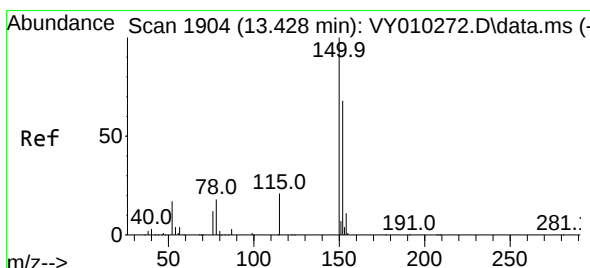
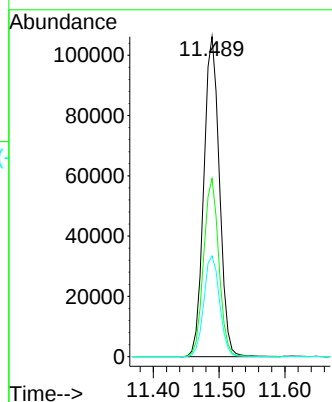
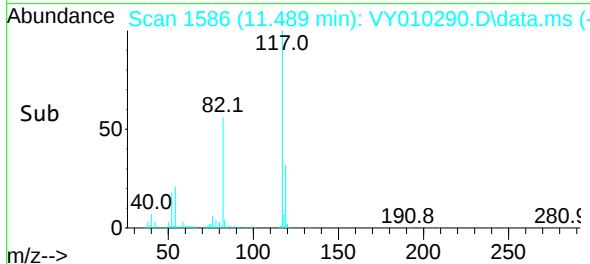


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

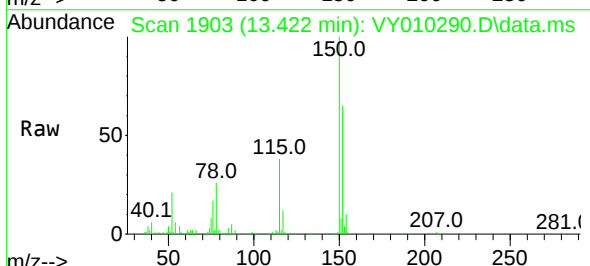
Instrument :
MSVOA_Y
ClientSampleId :



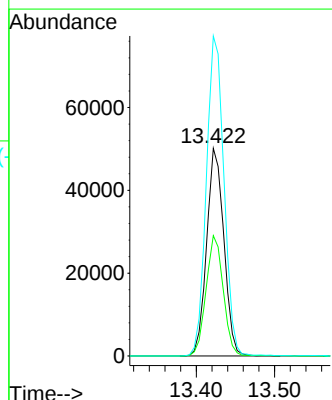
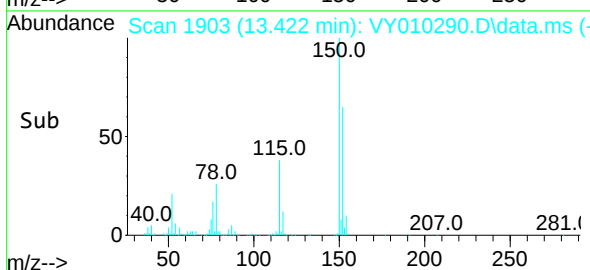
Tgt Ion:117 Resp: 175399
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 31.5 25.4 38.0

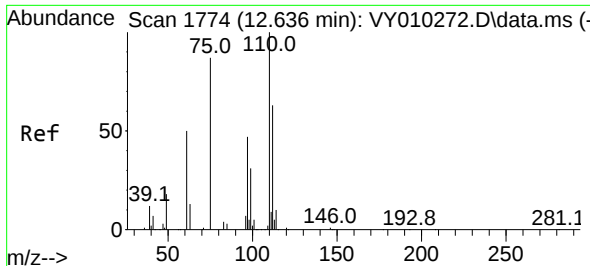


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38



Tgt Ion:152 Resp: 76490
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 157.6 0.0 347.6

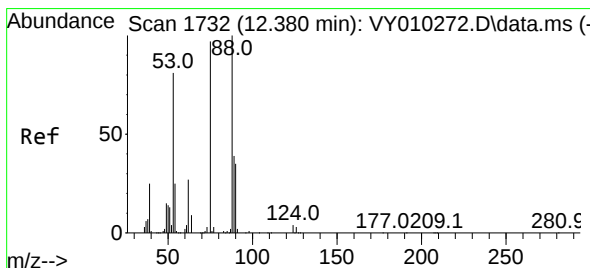
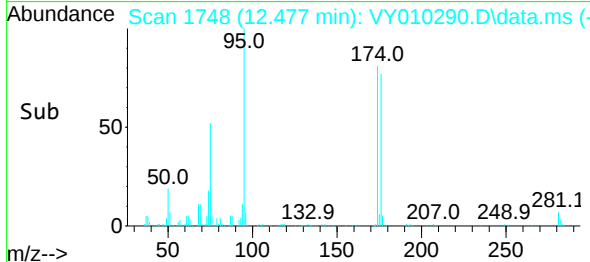
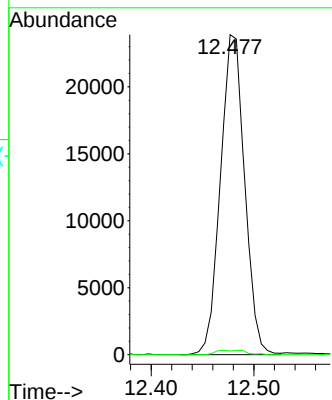
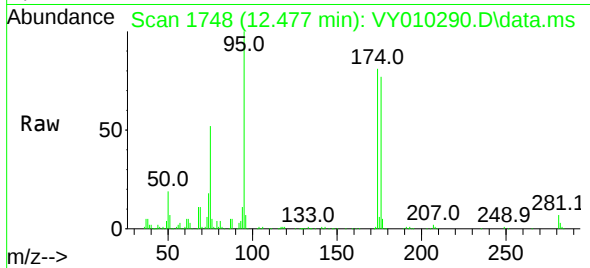




#76
1,2,3-Trichloropropane
Concen: 42.944 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 39090
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.585 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010290.D
Acq: 02 Sep 2022 19:38

Tgt Ion: 75 Resp: 39090
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

