

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010313.D
 Acq On : 03 Sep 2022 06:06
 Operator : KP/MD
 Sample : N4486-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PC-1

Quant Time: Sep 03 07:39:01 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)

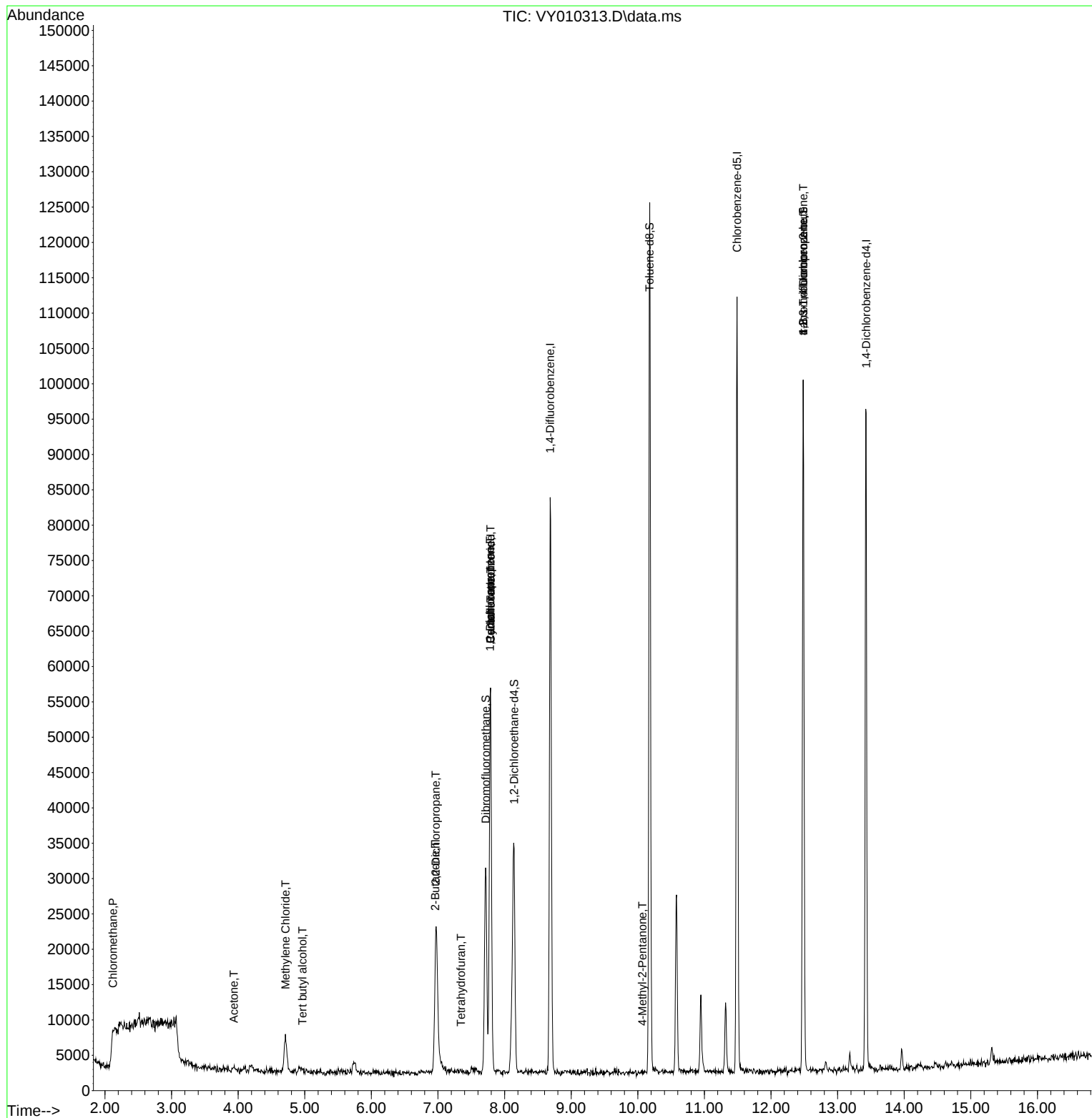
Internal Standards						
1) Pentafluorobenzene	7.789	168	44581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	71534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	61142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	25079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	23015	50.347	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.716	113	21005	44.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.220%			
50) Toluene-d8	10.179	98	83180	52.171	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.340%			
62) 4-Bromofluorobenzene	12.483	95	25572	38.611	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.220%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	569	1.171	ug/l #	87
5) Bromomethane	2.656	94	428	Below Cal	#	70
11) Tert butyl alcohol	4.966	59	310	5.668	ug/l #	77
16) Acetone	3.936	43	536	4.690	ug/l	93
20) Methylene Chloride	4.710	84	3794	6.880	ug/l	87
25) 2-Butanone	6.960	43	842	4.490	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	1606	1.928	ug/l #	55
29) Tetrahydrofuran	7.344	42	198	1.648	ug/l #	38
31) Cyclohexane	7.789	56	937	1.051	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	3494	5.001	ug/l #	52
38) Carbon Tetrachloride	7.789	117	4032	5.599	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	707	1.795	ug/l #	40
76) 1,2,3-Trichloropropane	12.483	75	13232	44.336	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13232	92.489	ug/l #	8

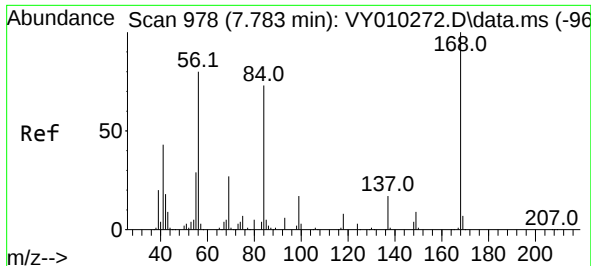
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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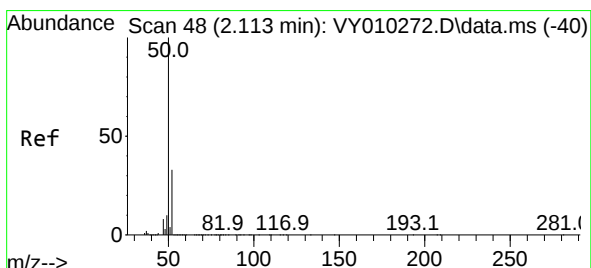
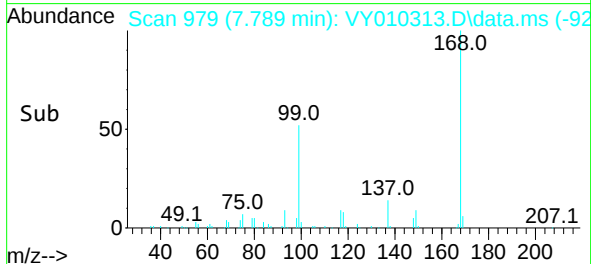
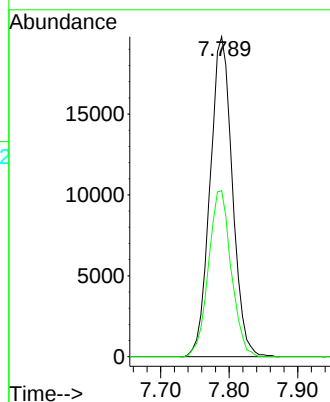
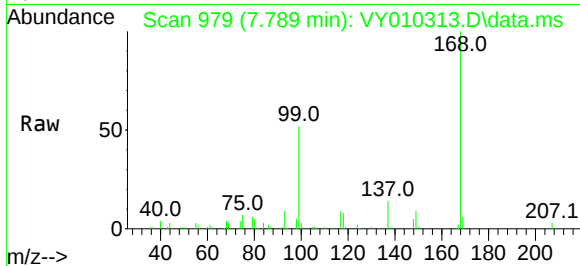




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

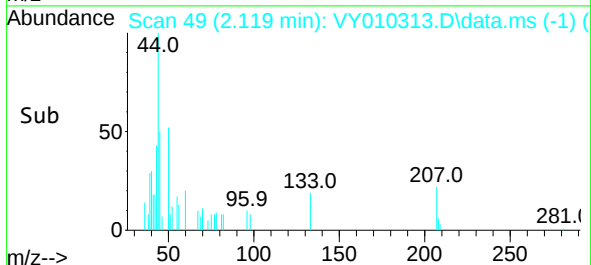
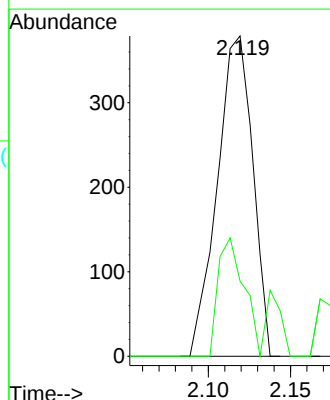
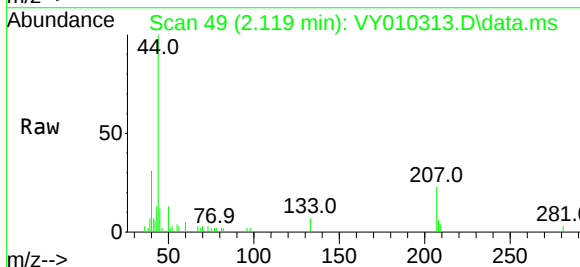
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

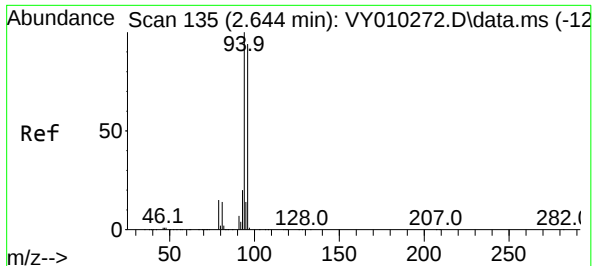
Tgt Ion:168 Resp: 44581
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#3
Chloromethane
Concen: 1.171 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 50 Resp: 569
Ion Ratio Lower Upper
50 100
52 23.5 24.6 37.0#

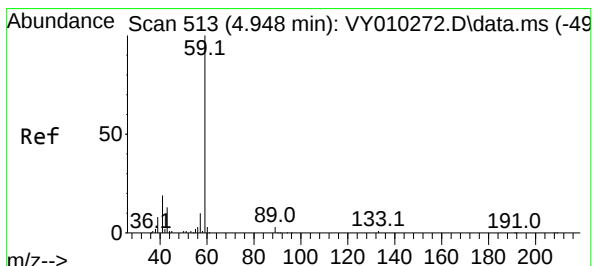
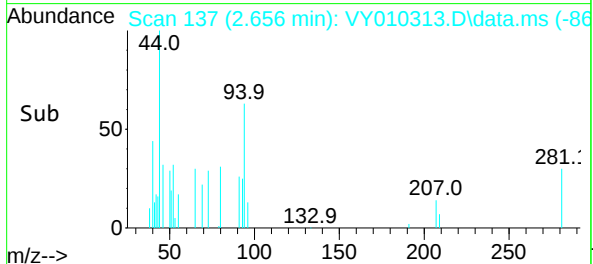
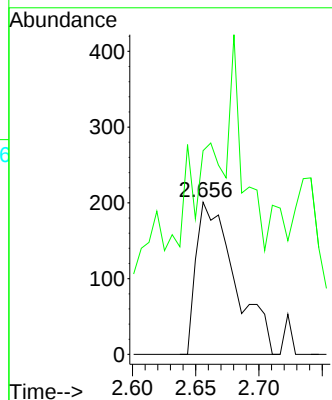
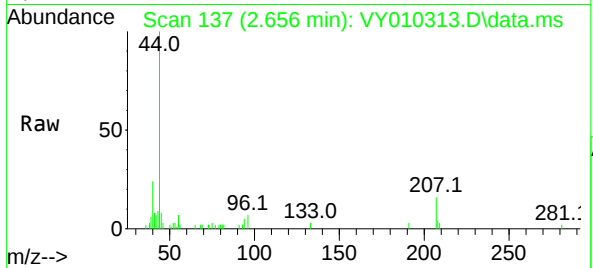




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

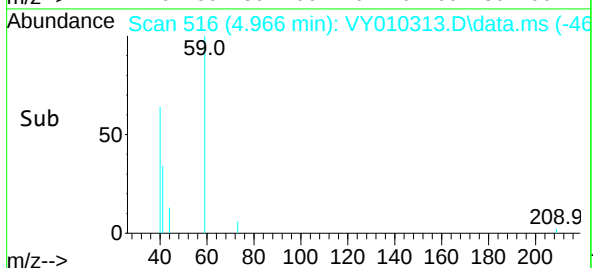
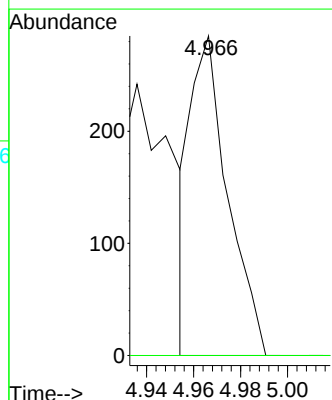
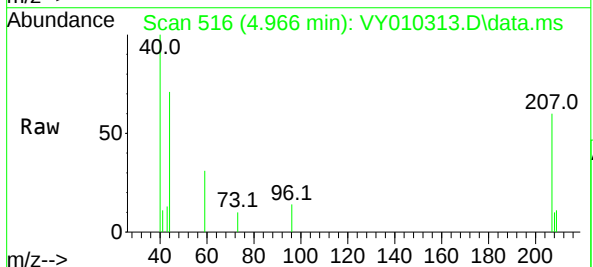
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

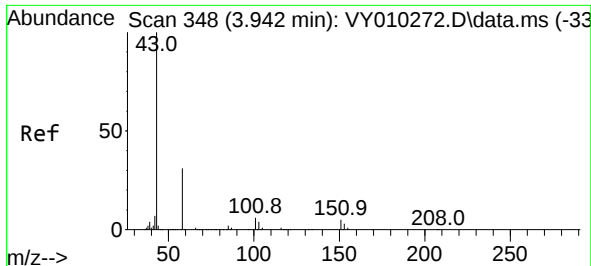
Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 63.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: 5.668 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

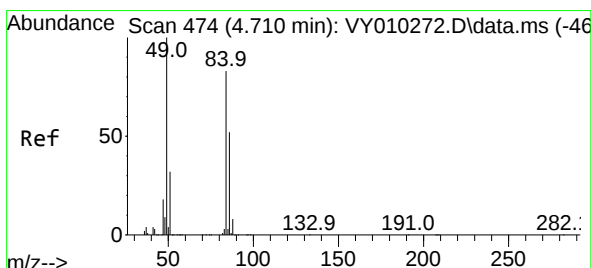
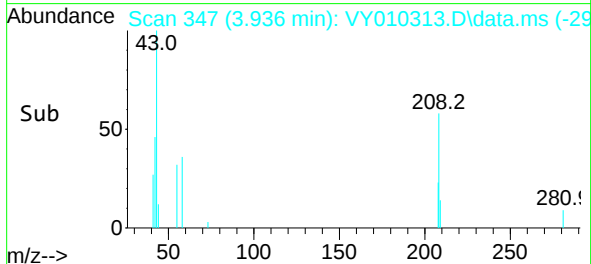
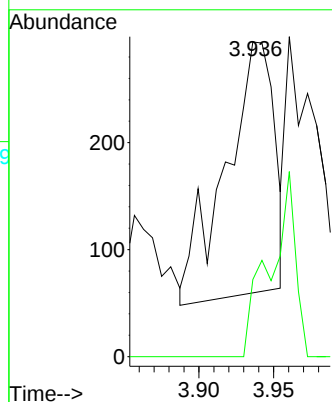
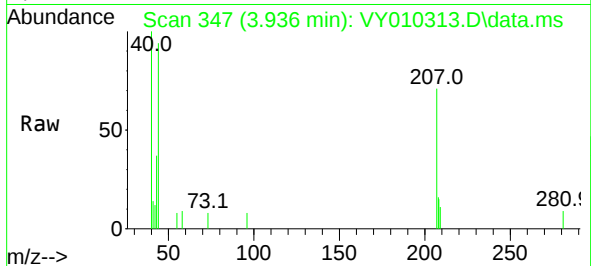




#16
Acetone
Concen: 4.690 ug/l
RT: 3.936 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

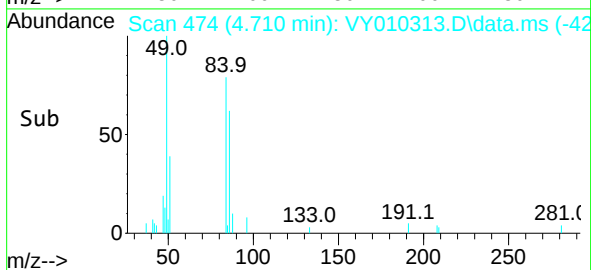
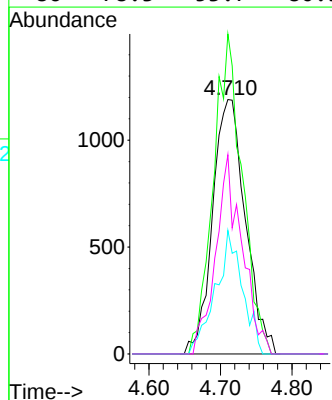
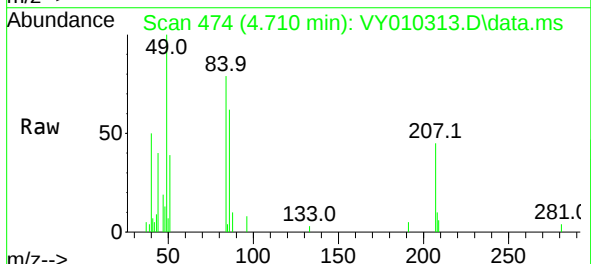
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

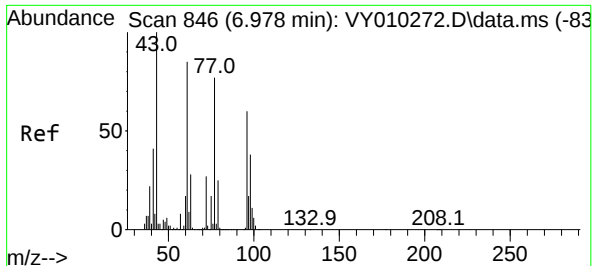
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0



#20
Methylene Chloride
Concen: 6.880 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 84 Resp: 3794
Ion Ratio Lower Upper
84 100
49 125.8 114.4 171.6
51 48.6 35.3 52.9
86 78.3 53.7 80.5





#25

2-Butanone

Concen: 4.490 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

Instrument :

MSVOA_Y

ClientSampleId :

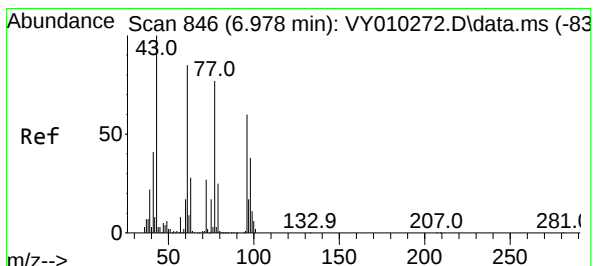
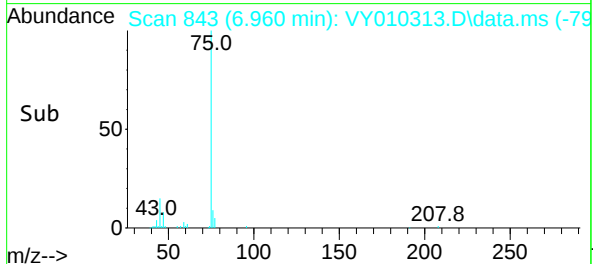
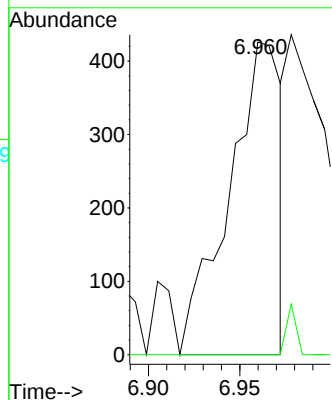
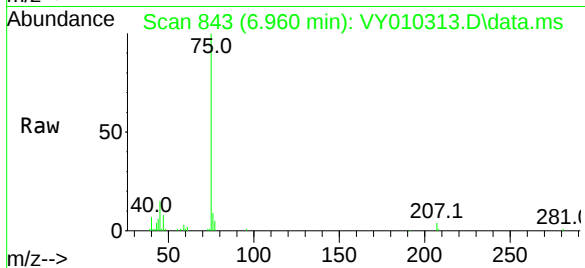
PC-1

Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.928 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010313.D

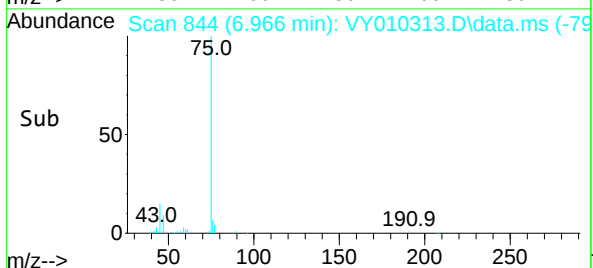
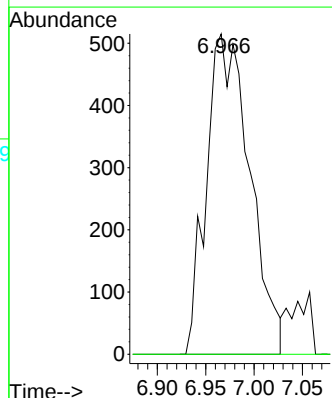
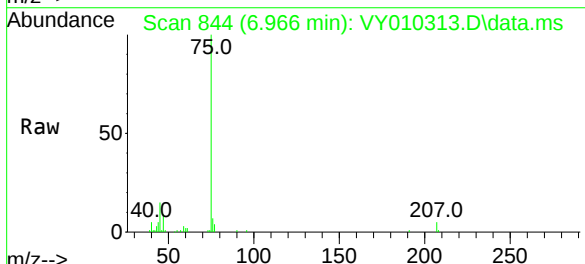
Acq: 03 Sep 2022 06:06

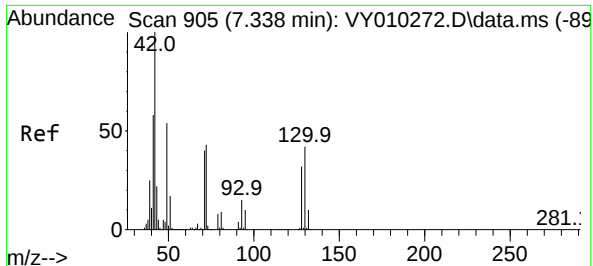
Tgt Ion: 77 Resp: 1606

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.648 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

Instrument :

MSVOA_Y

ClientSampleId :

PC-1

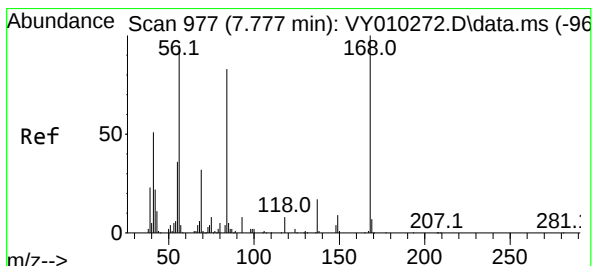
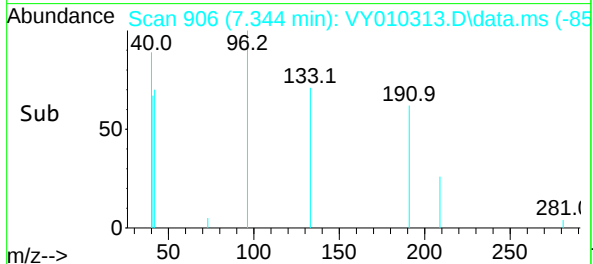
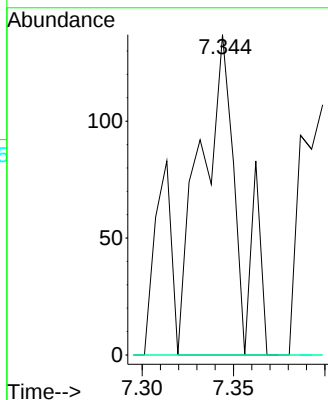
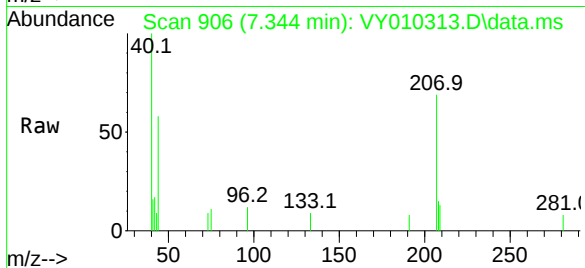
Tgt Ion: 42 Resp: 198

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#31

Cyclohexane

Concen: 1.051 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

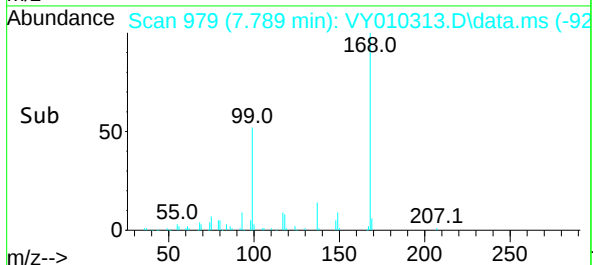
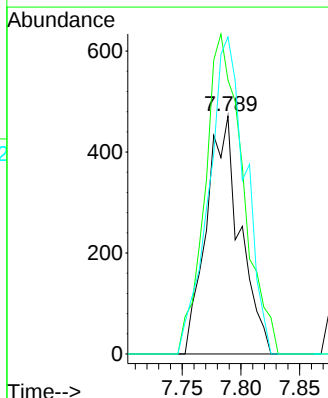
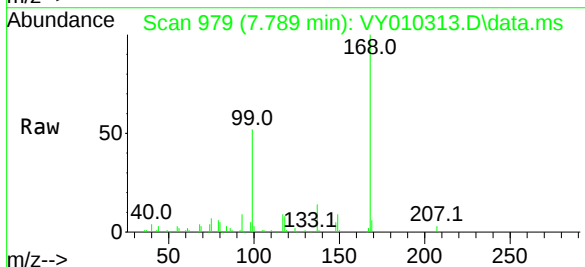
Tgt Ion: 56 Resp: 937

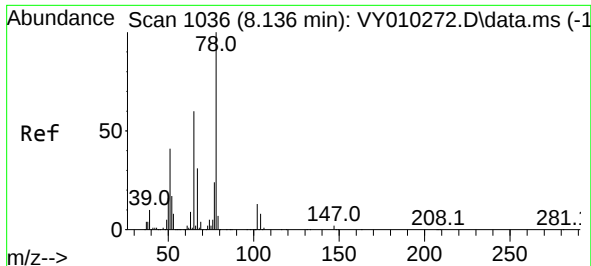
Ion Ratio Lower Upper

56 100

69 115.3 26.7 40.1#

84 133.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.347 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

Instrument :

MSVOA_Y

ClientSampleId :

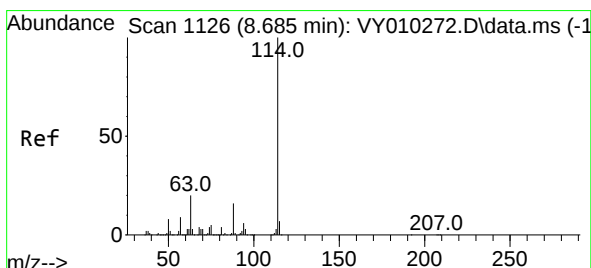
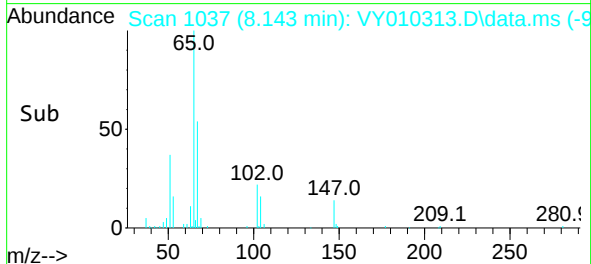
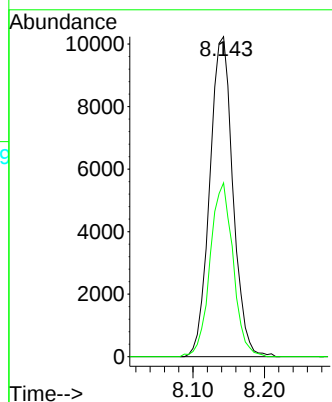
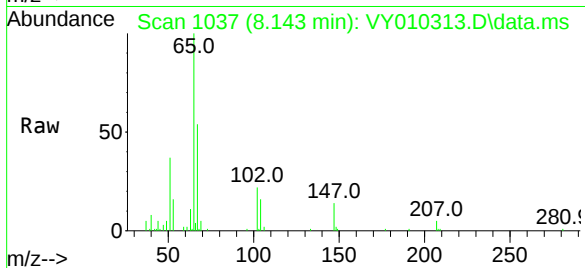
PC-1

Tgt Ion: 65 Resp: 23015

Ion Ratio Lower Upper

65 100

67 53.9 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: VY010313.D

Acq: 03 Sep 2022 06:06

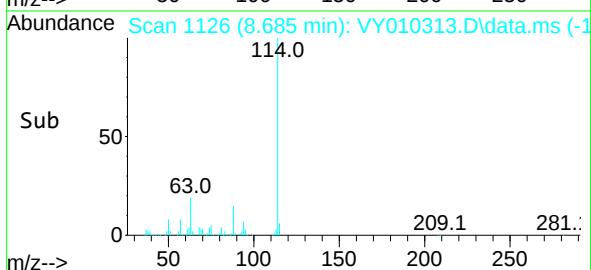
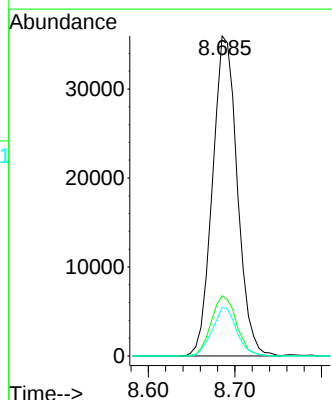
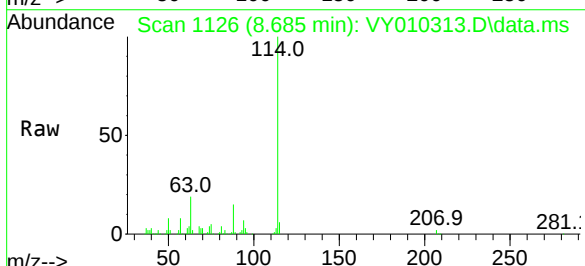
Tgt Ion: 114 Resp: 71534

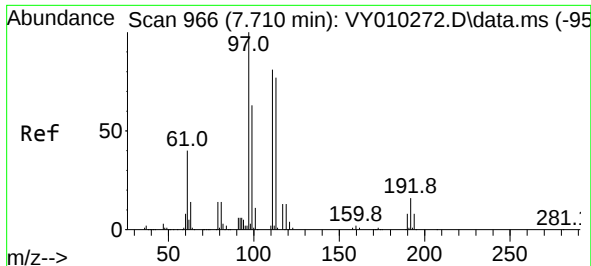
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.2 0.0 31.8

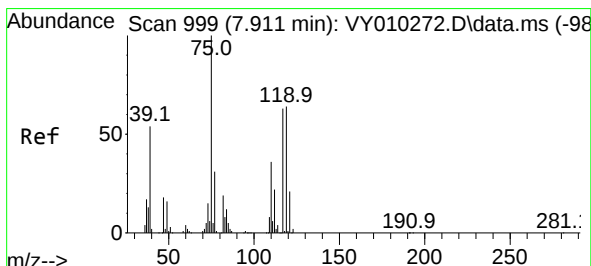
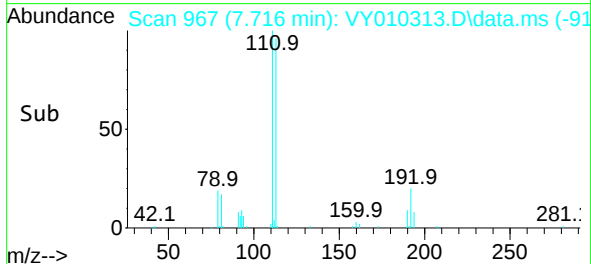
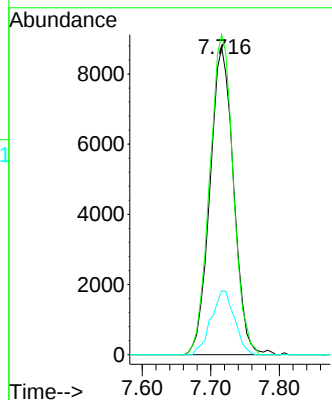
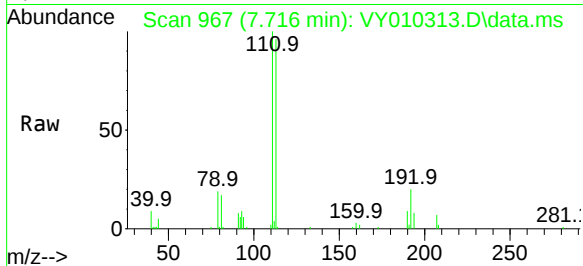




#35
Dibromofluoromethane
Concen: 44.108 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

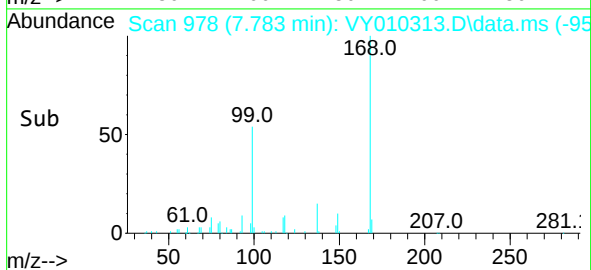
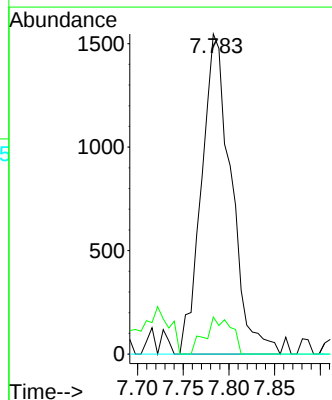
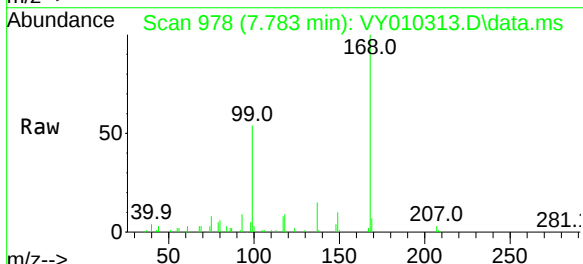
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

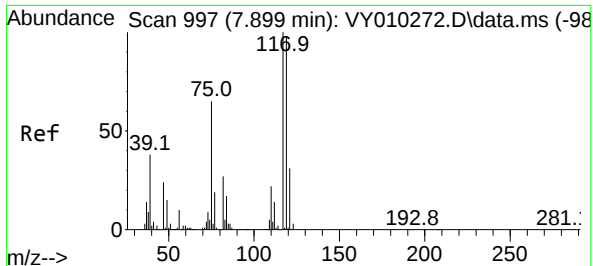
Tgt Ion:113 Resp: 21005
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 75 Resp: 3494
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#

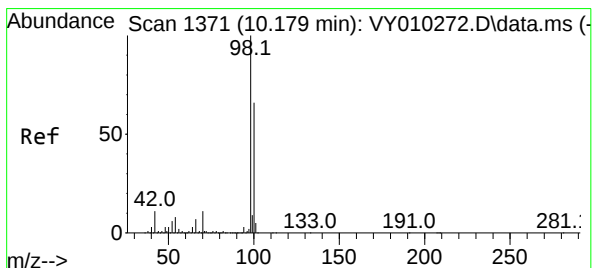
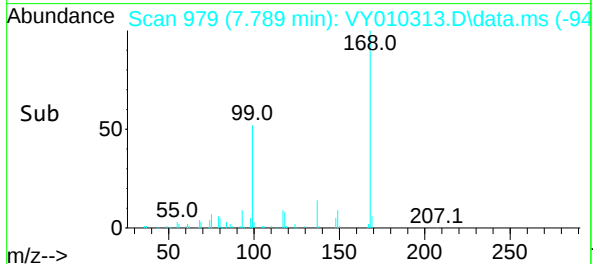
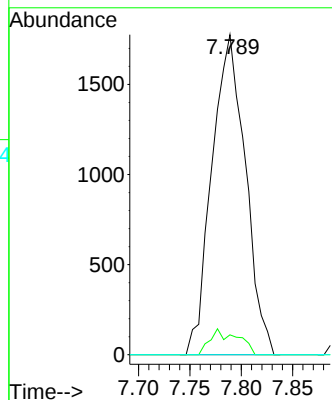
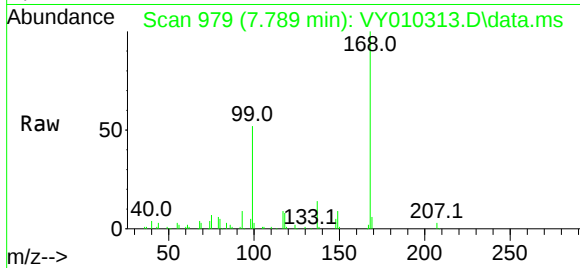




#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

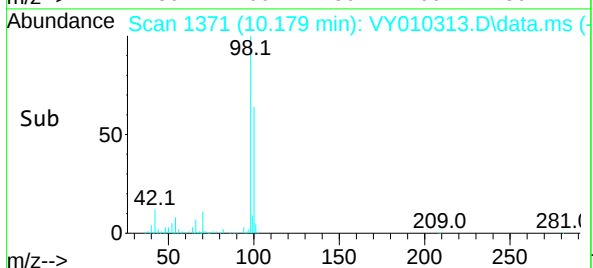
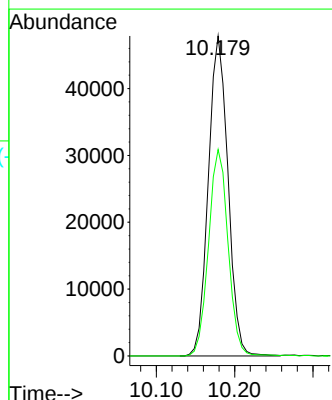
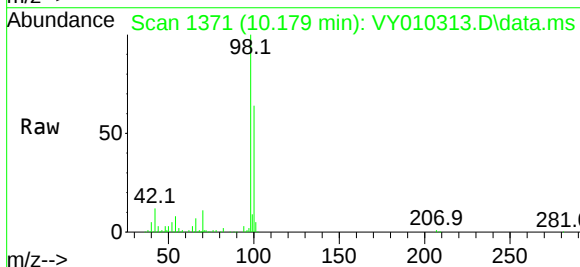
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

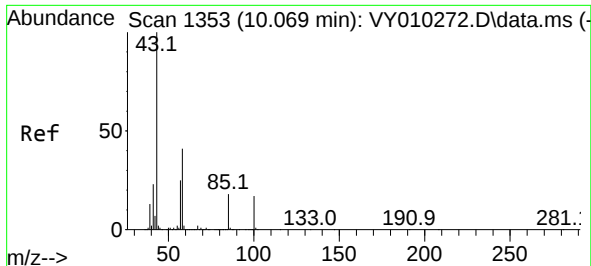
Tgt Ion:117 Resp: 4032
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 98 Resp: 83180
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

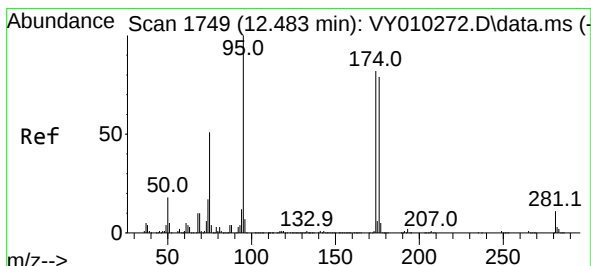
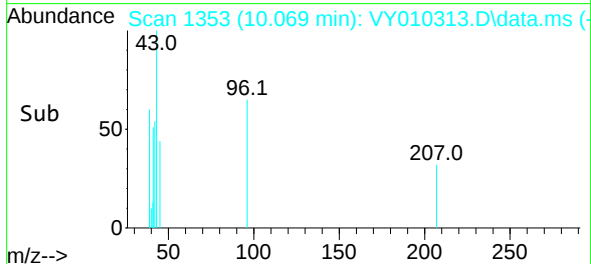
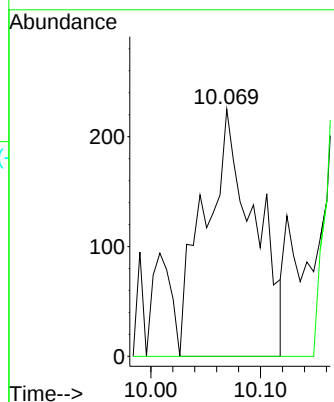
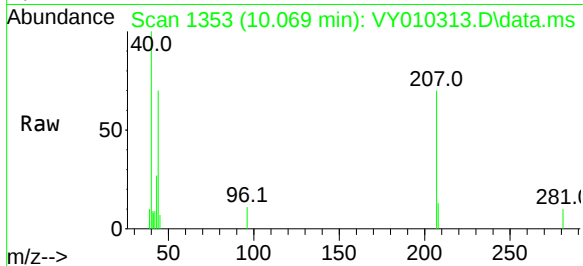




#51
4-Methyl-2-Pentanone
Concen: 1.795 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

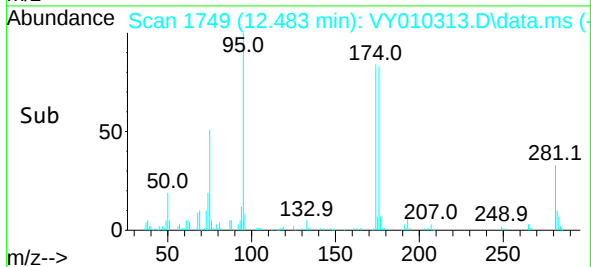
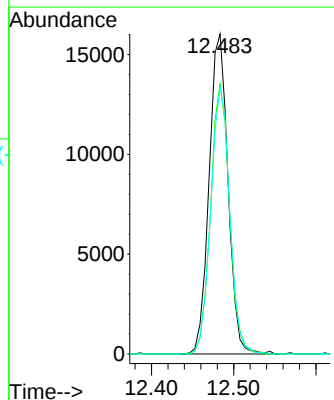
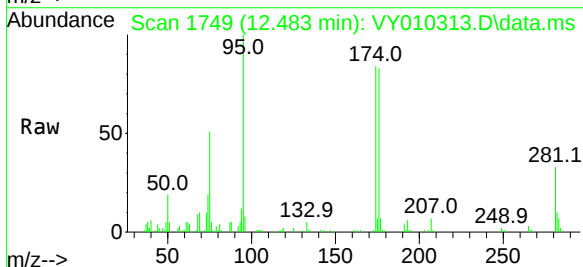
Instrument :
MSVOA_Y
ClientSampleId :
PC-1

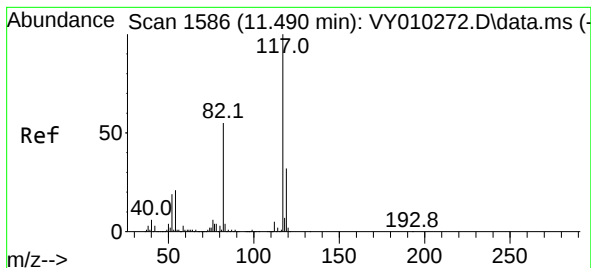
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 38.611 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 95 Resp: 25572
Ion Ratio Lower Upper
95 100
174 84.3 0.0 177.0
176 83.8 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

Instrument :

MSVOA_Y

ClientSampleId :

PC-1

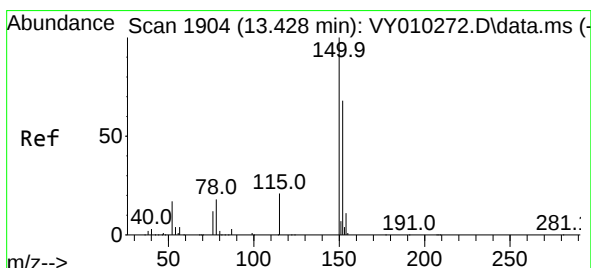
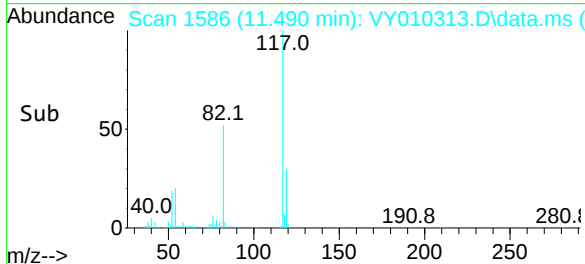
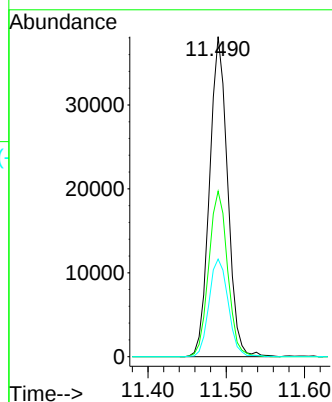
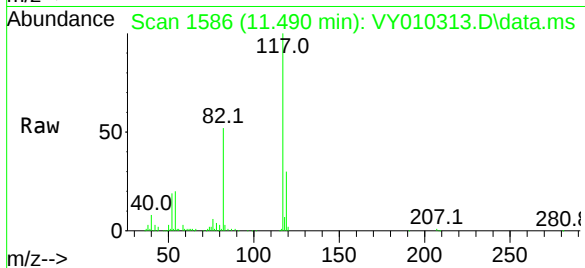
Tgt Ion:117 Resp: 61142

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.4

119 30.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY010313.D

Acq: 03 Sep 2022 06:06

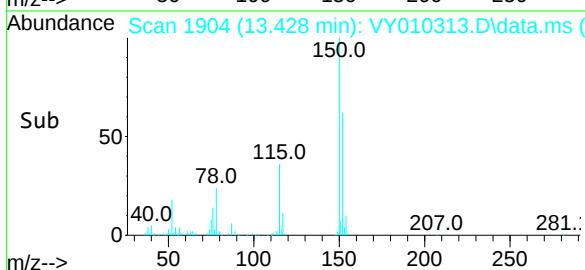
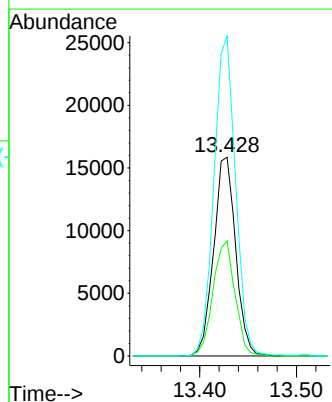
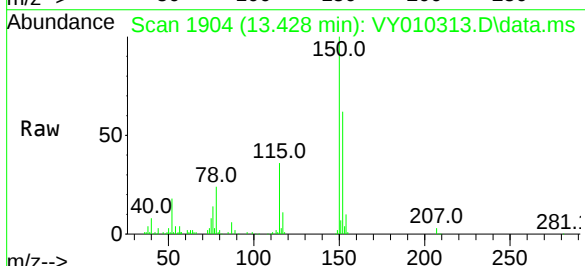
Tgt Ion:152 Resp: 25079

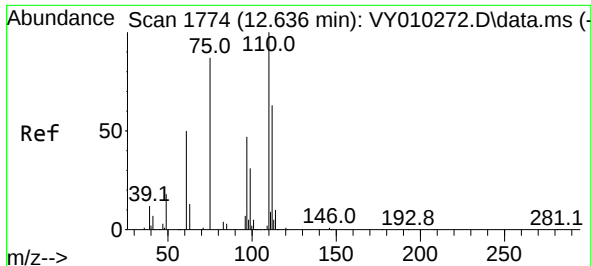
Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 157.8 0.0 347.6

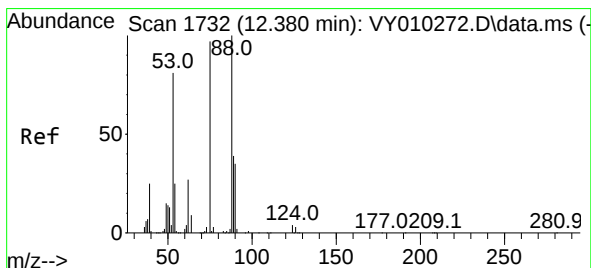
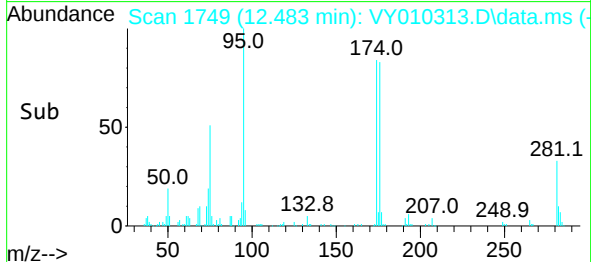
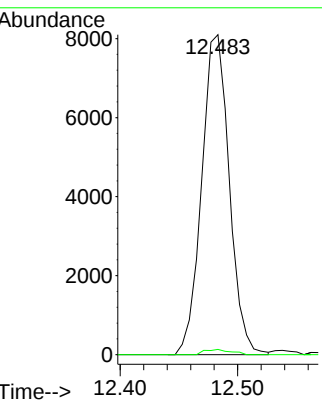
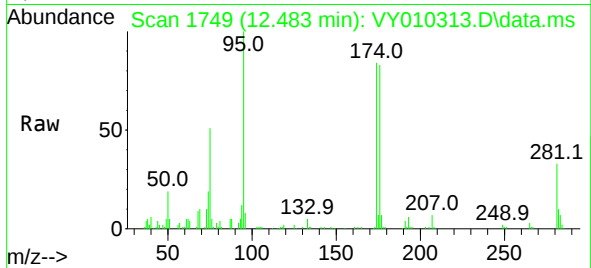




#76
1,2,3-Trichloropropane
Concen: 44.336 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Instrument :
MSVOA_Y
ClientSampleId :
PC-1

Tgt Ion: 75 Resp: 13232
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.489 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY010313.D
Acq: 03 Sep 2022 06:06

Tgt Ion: 75 Resp: 13232
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.6 37.0 55.4#

