

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010305.D
 Acq On : 03 Sep 2022 02:59
 Operator : KP/MD
 Sample : N4379-11
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 03 06:12:02 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)

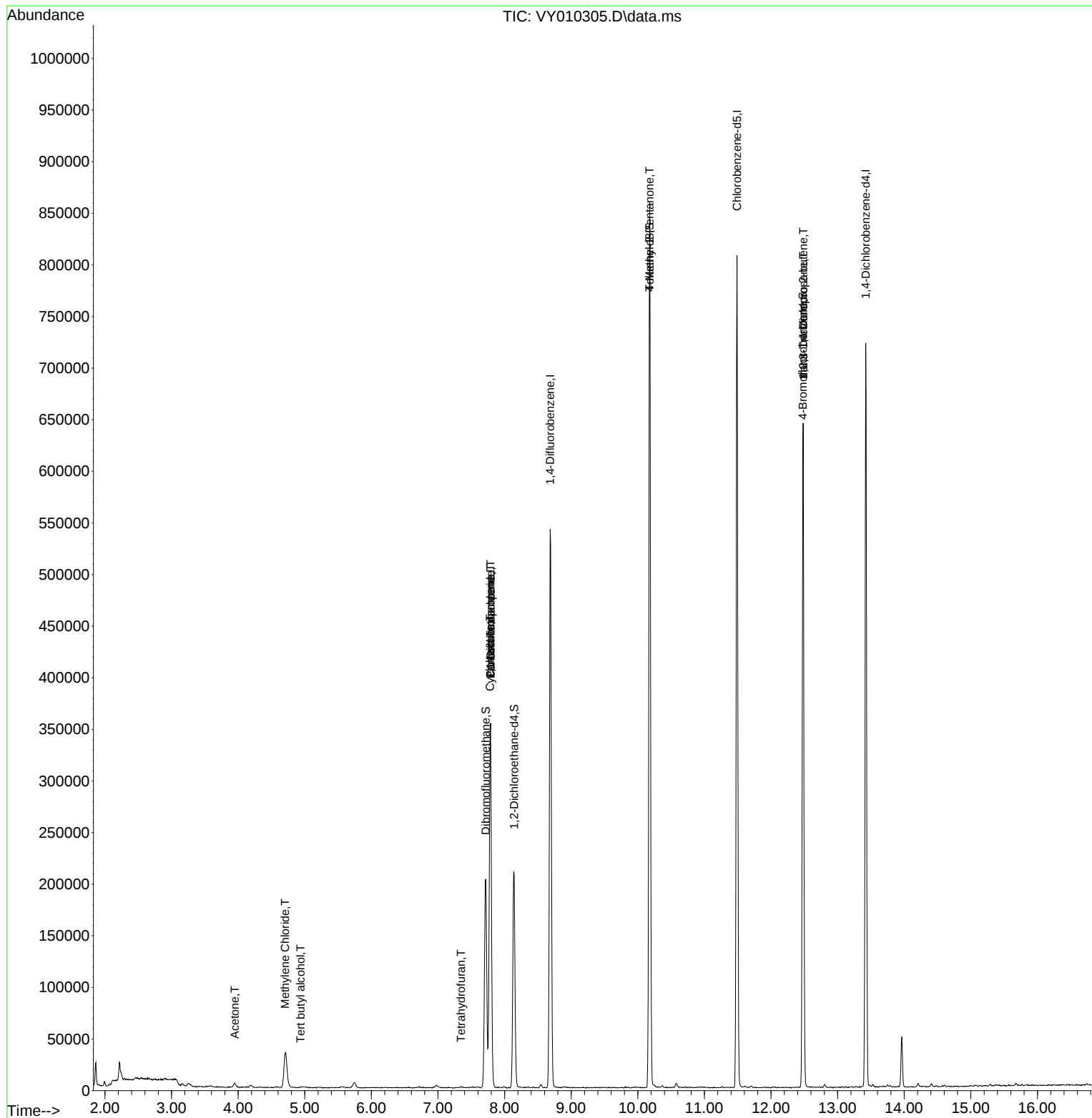
Internal Standards						
1) Pentafluorobenzene	7.789	168	283137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	474802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	437964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	187571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	166048	57.194	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.380%
35) Dibromofluoromethane	7.716	113	146216	46.258	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.520%
50) Toluene-d8	10.179	98	562069	53.113	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.220%
62) 4-Bromofluorobenzene	12.477	95	190360	44.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	561	Below Cal	#	44
11) Tert butyl alcohol	4.936	59	1672	4.814	ug/l #	84
16) Acetone	3.948	43	6607	9.103	ug/l #	85
20) Methylene Chloride	4.704	84	26301	7.509	ug/l	86
29) Tetrahydrofuran	7.344	42	833	1.092	ug/l #	72
31) Cyclohexane	7.783	56	5770	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	20825	4.490	ug/l #	51
38) Carbon Tetrachloride	7.789	117	27381	5.729	ug/l #	15
51) 4-Methyl-2-Pentanone	10.179	43	2910	1.113	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	97465	43.664	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	97465	91.088	ug/l #	7

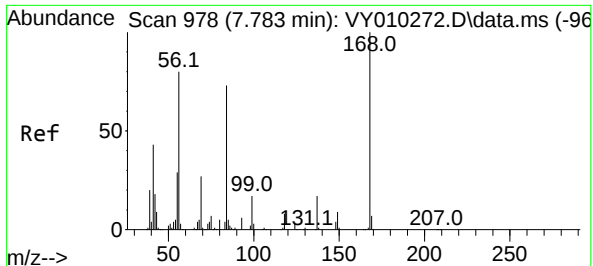
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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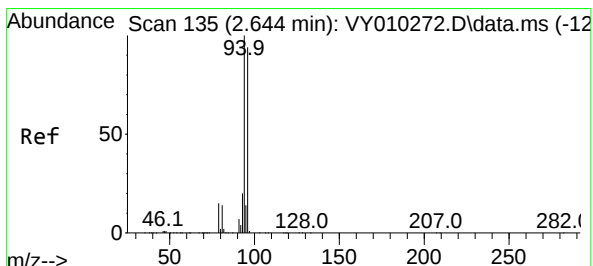
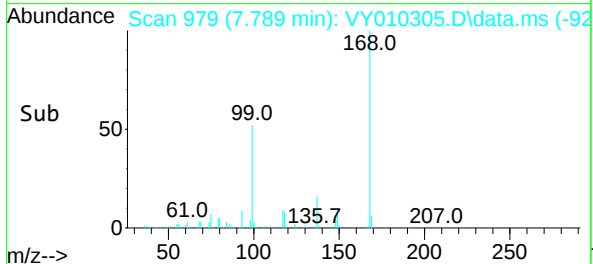
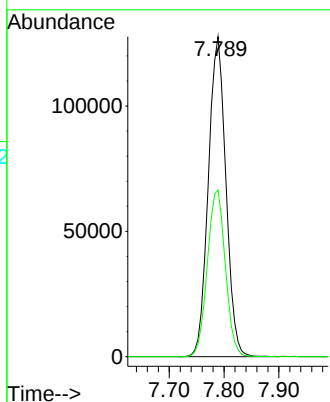
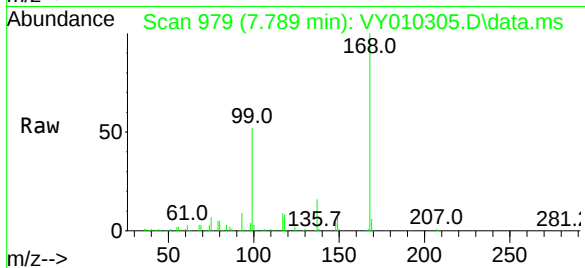




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

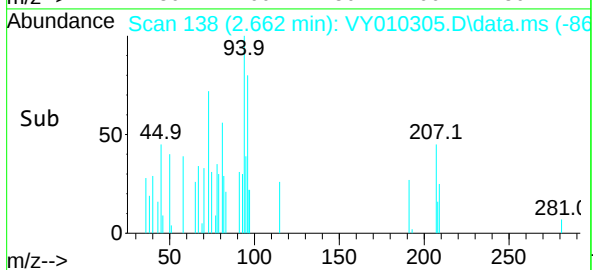
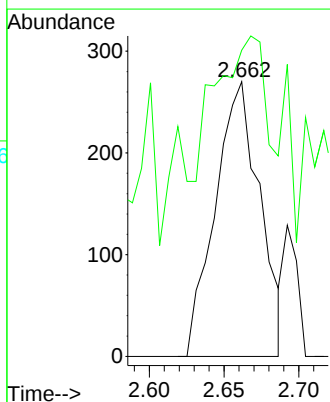
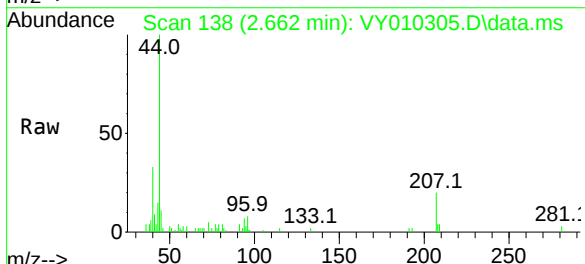
Instrument :
MSVOA_Y
ClientSampleId :

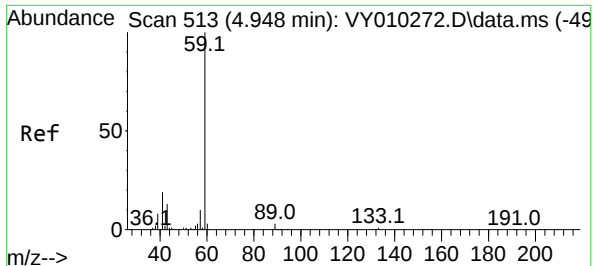
Tgt Ion:168 Resp: 283137
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

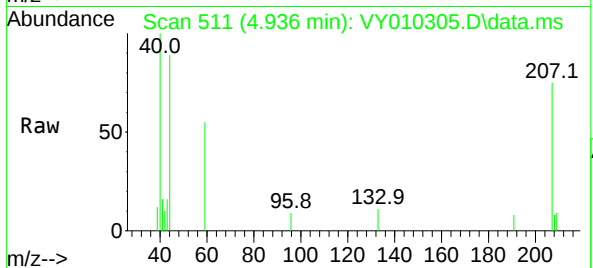
Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 38.5 73.5 110.3#



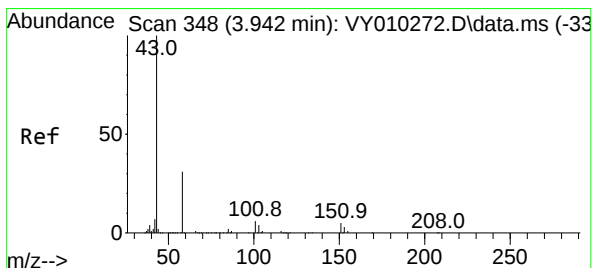
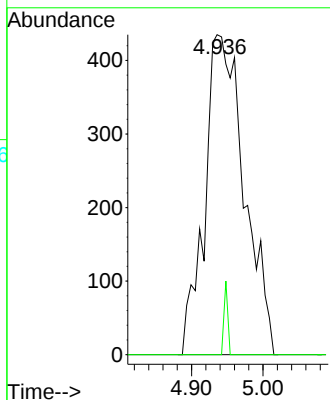
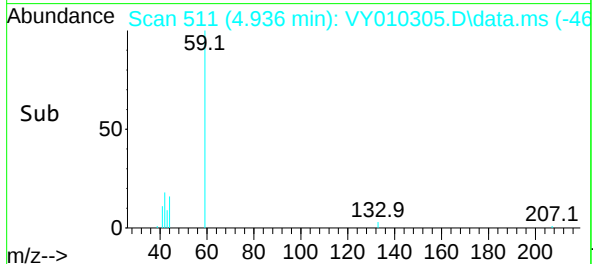


#11
Tert butyl alcohol
Concen: 4.814 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Instrument :
MSVOA_Y
ClientSampleId :

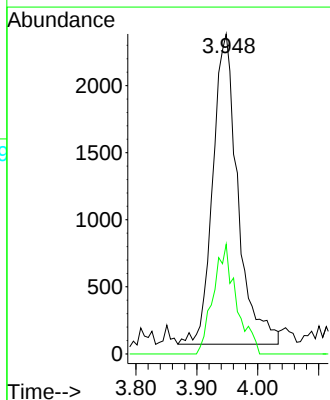
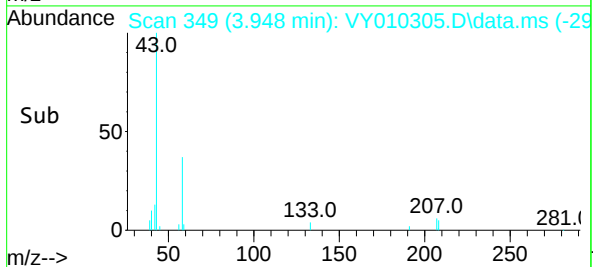
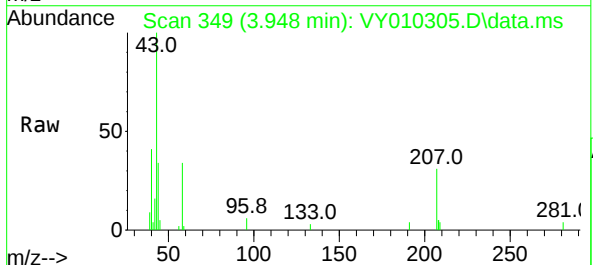


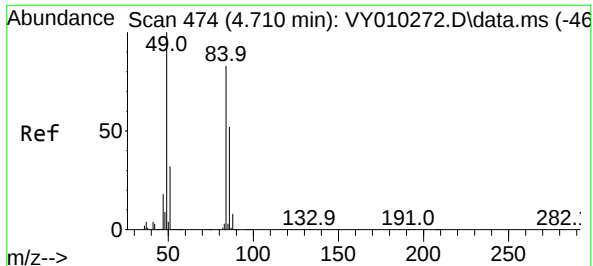
Tgt Ion: 59 Resp: 1672
Ion Ratio Lower Upper
59 100
57 2.2 6.4 9.6#



#16
Acetone
Concen: 9.103 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

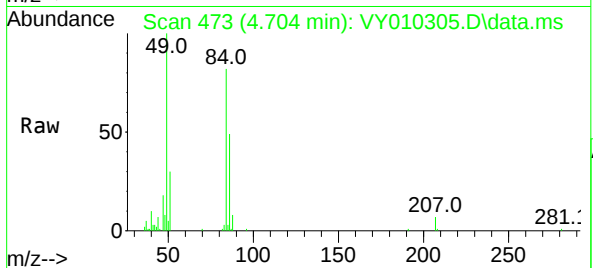
Tgt Ion: 43 Resp: 6607
Ion Ratio Lower Upper
43 100
58 35.3 22.0 33.0#





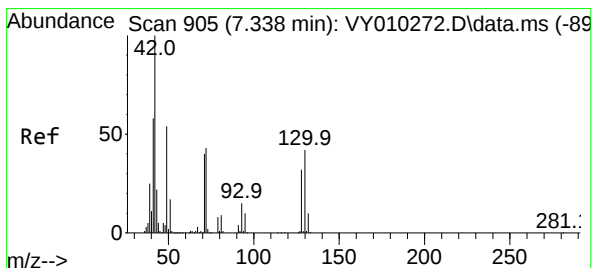
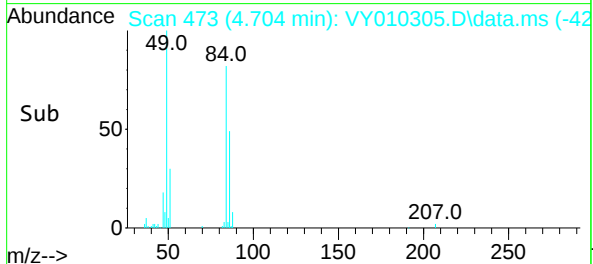
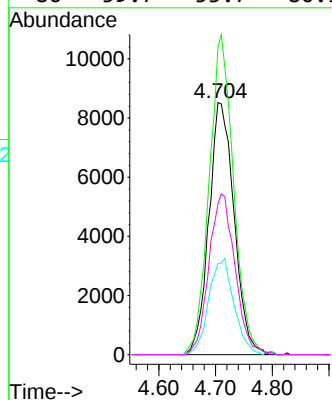
#20
Methylene Chloride
Concen: 7.509 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 26301

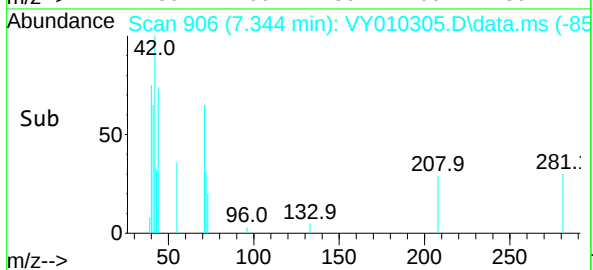
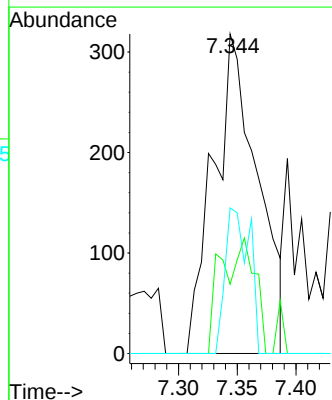
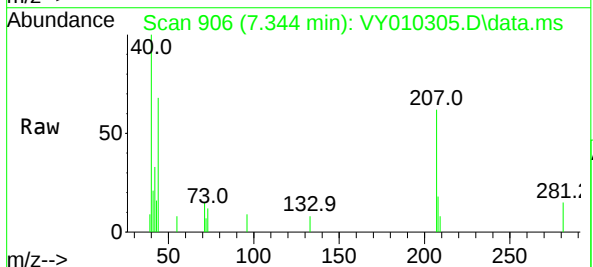
Ion	Ratio	Lower	Upper
84	100		
49	122.0	114.4	171.6
51	36.2	35.3	52.9
86	59.7	53.7	80.5

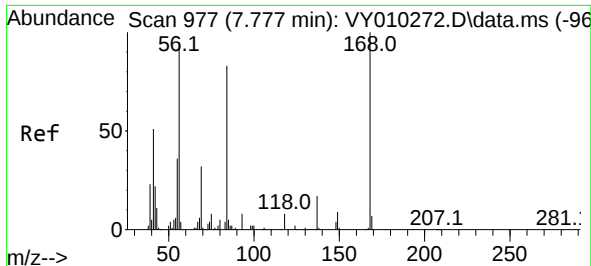


#29
Tetrahydrofuran
Concen: 1.092 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Tgt Ion: 42 Resp: 833

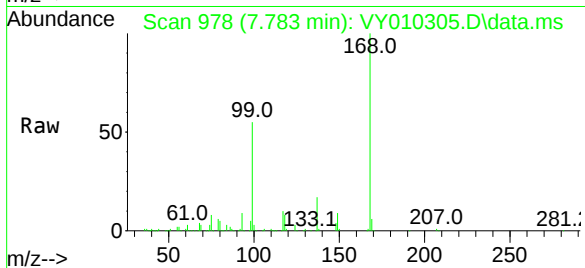
Ion	Ratio	Lower	Upper
42	100		
72	16.1	30.3	45.5#
71	25.0	29.0	43.4#



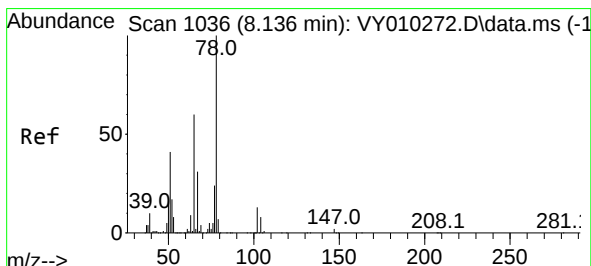
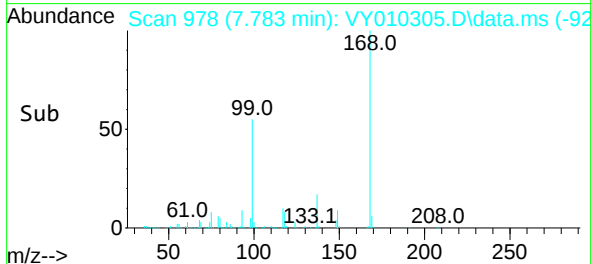
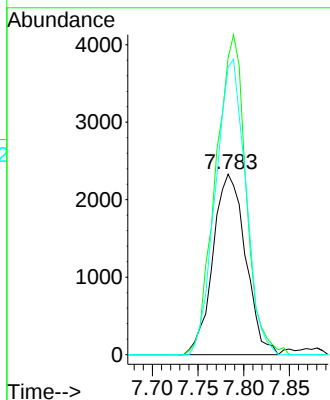


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Instrument :
MSVOA_Y
ClientSampleId :

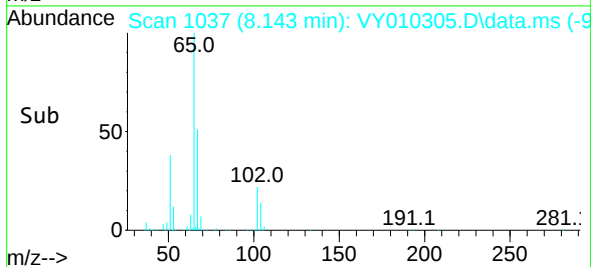
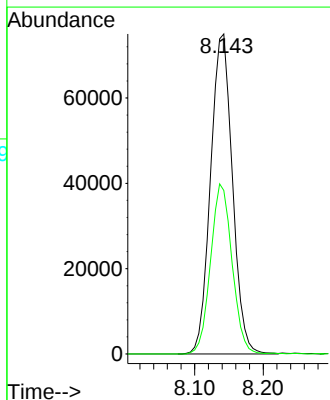
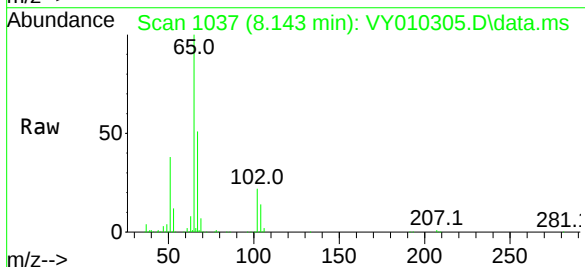


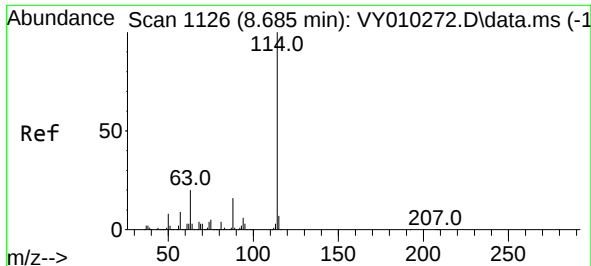
Tgt Ion: 56 Resp: 5770
Ion Ratio Lower Upper
56 100
69 164.4 26.7 40.1#
84 159.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.194 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Tgt Ion: 65 Resp: 166048
Ion Ratio Lower Upper
65 100
67 52.1 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: VY010305.D

Acq: 03 Sep 2022 02:59

Instrument :

MSVOA_Y

ClientSampleId :

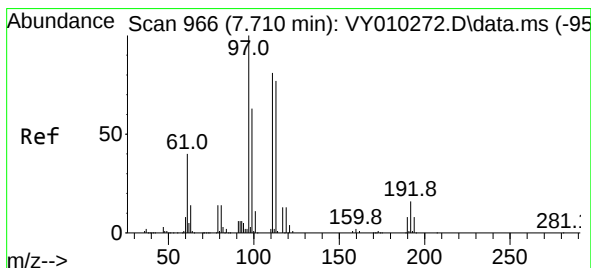
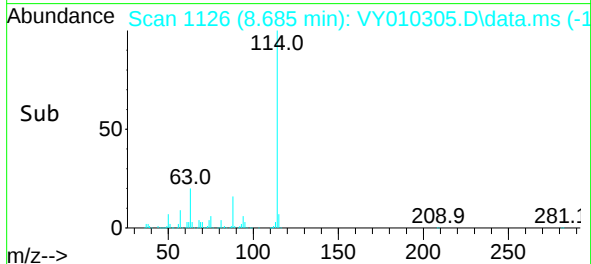
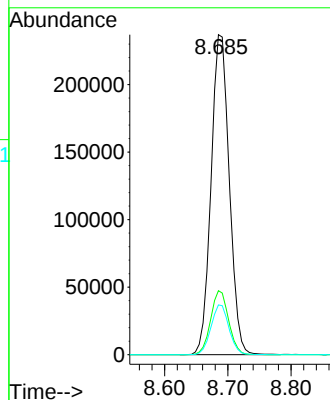
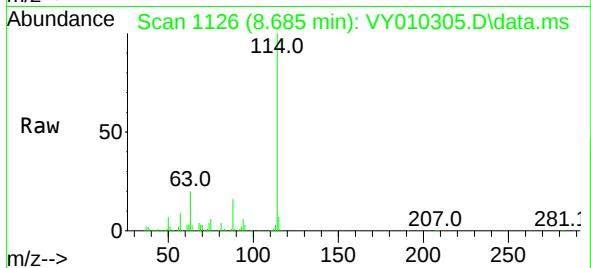
Tgt Ion:114 Resp: 474802

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.258 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010305.D

Acq: 03 Sep 2022 02:59

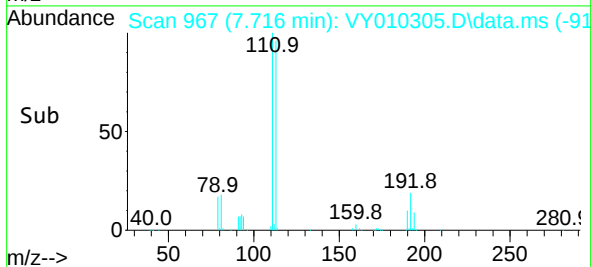
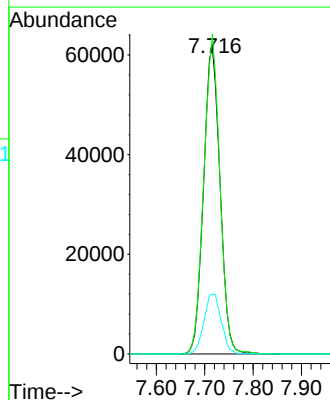
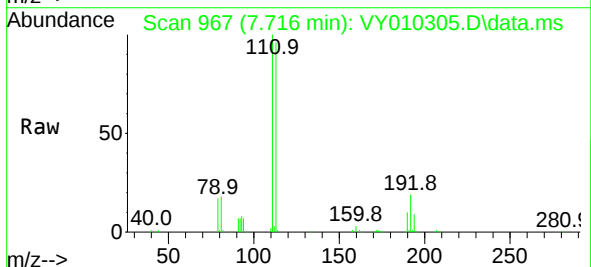
Tgt Ion:113 Resp: 146216

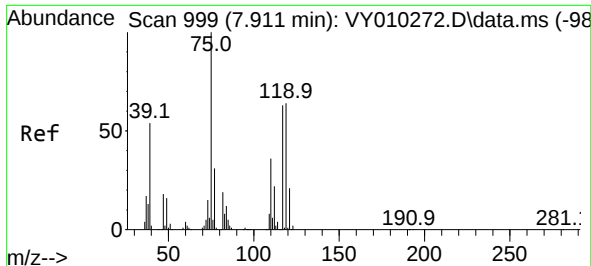
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 20.4 17.6 26.4

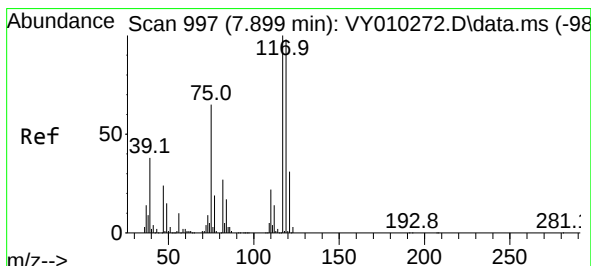
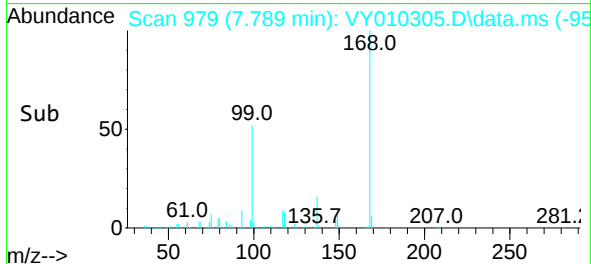
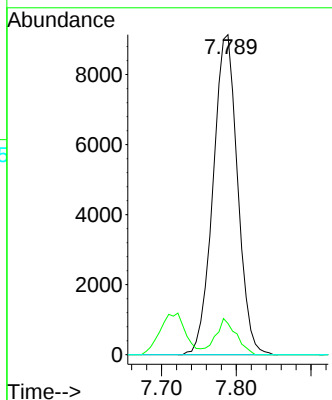
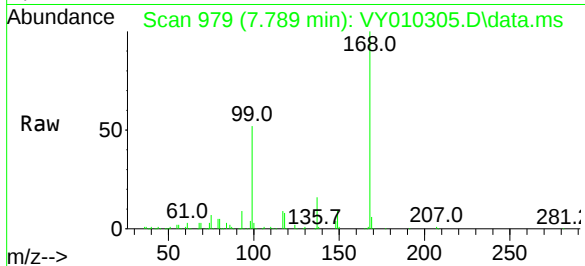




#36
 1,1-Dichloropropene
 Concen: 4.490 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY010305.D
 Acq: 03 Sep 2022 02:59

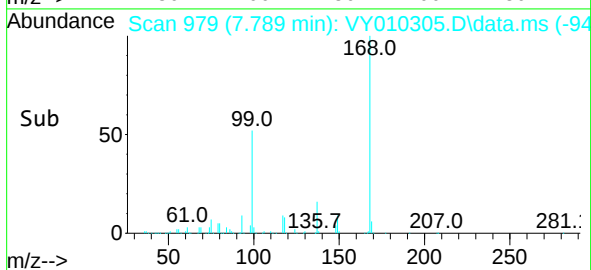
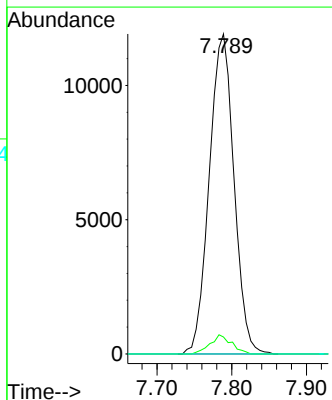
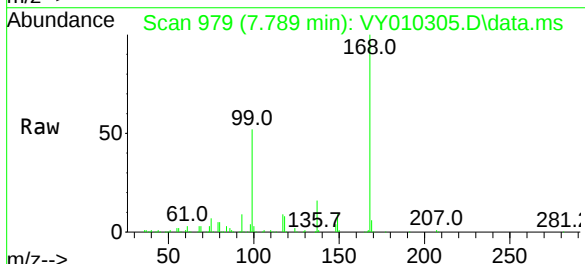
Instrument :
 MSVOA_Y
 ClientSampleId :

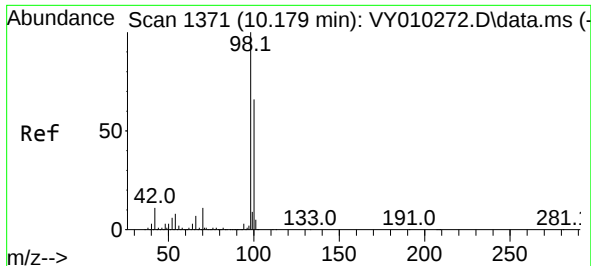
Tgt Ion: 75 Resp: 20825
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.729 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY010305.D
 Acq: 03 Sep 2022 02:59

Tgt Ion: 117 Resp: 27381
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.9 116.9#
 121 0.0 24.8 37.2#

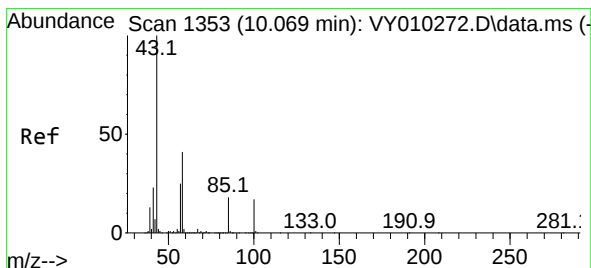
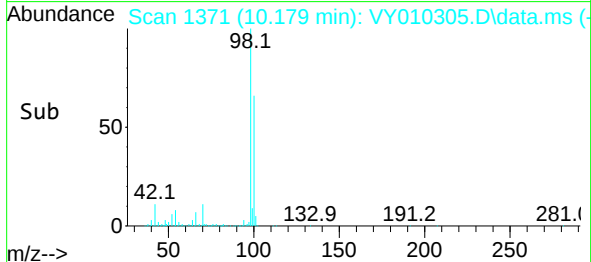
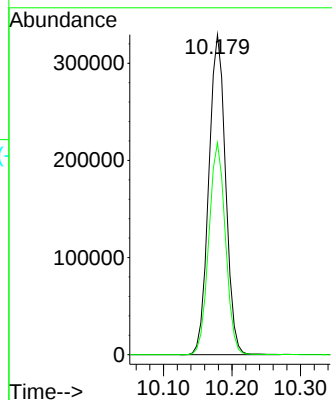
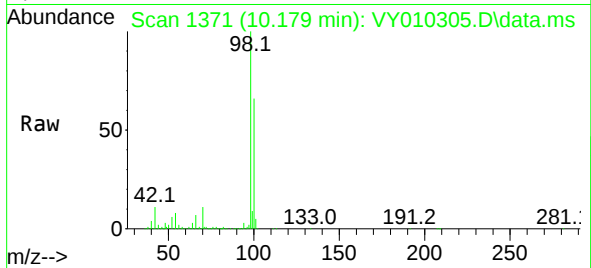




#50
Toluene-d8
Concen: 53.113 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

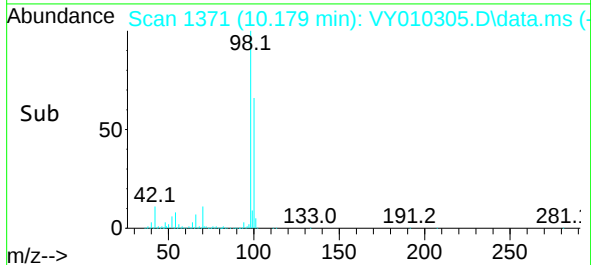
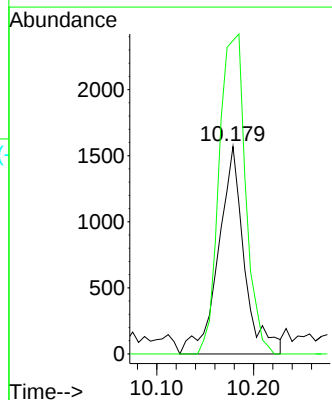
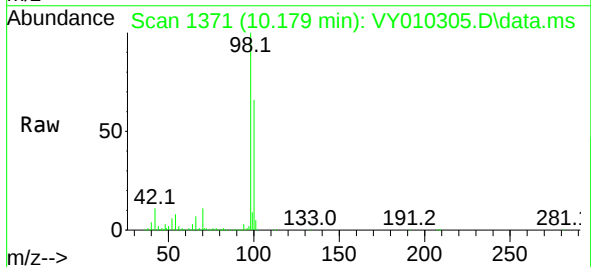
Instrument :
MSVOA_Y
ClientSampleId :

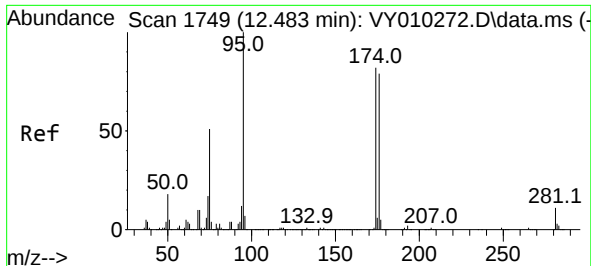
Tgt Ion: 98 Resp: 562069
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Tgt Ion: 43 Resp: 2910
Ion Ratio Lower Upper
43 100
58 157.9 28.1 42.1#

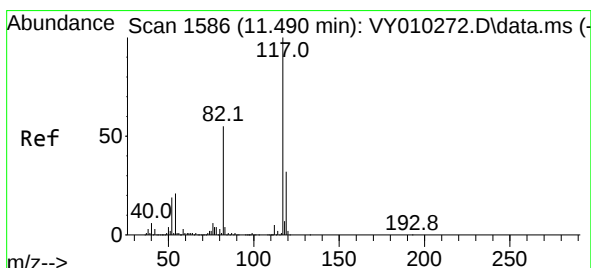
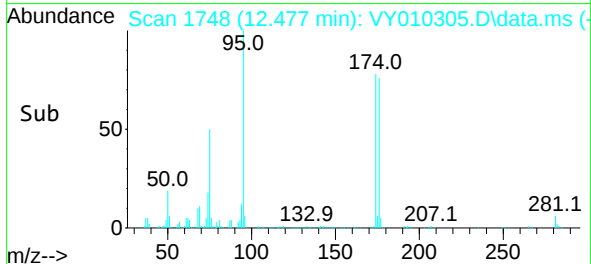
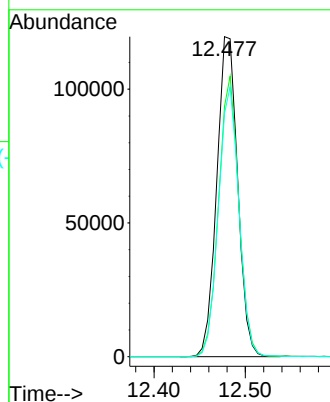
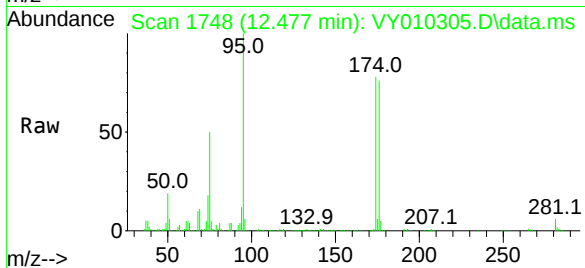




#62
4-Bromofluorobenzene
Concen: 44.182 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

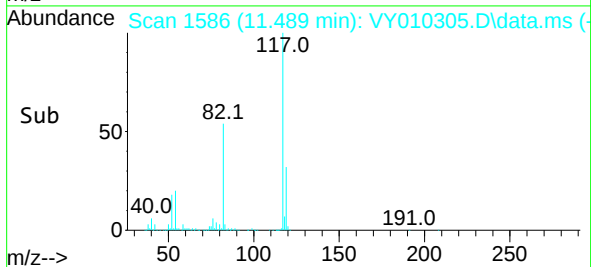
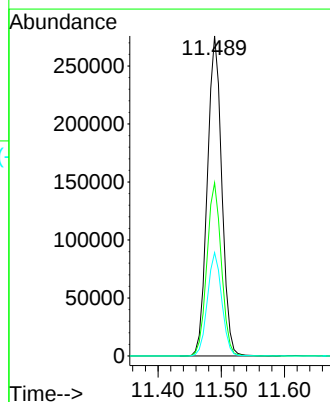
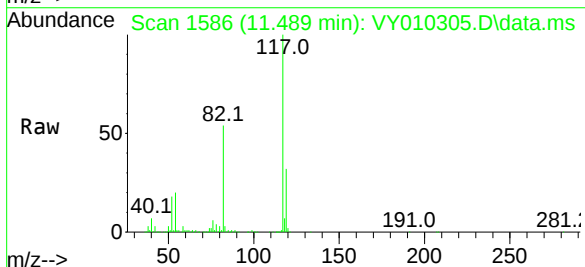
Instrument :
MSVOA_Y
ClientSampleId :

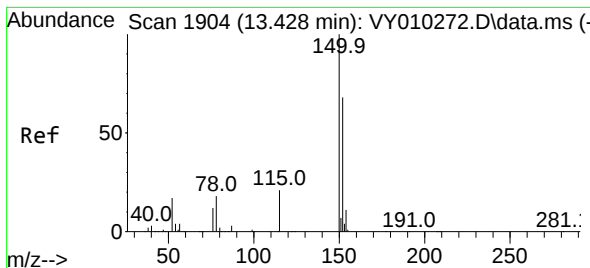
Tgt Ion: 95 Resp: 190360
Ion Ratio Lower Upper
95 100
174 84.9 0.0 177.0
176 82.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010305.D
Acq: 03 Sep 2022 02:59

Tgt Ion: 117 Resp: 437964
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010305.D

Acq: 03 Sep 2022 02:59

Instrument :

MSVOA_Y

ClientSampleId :

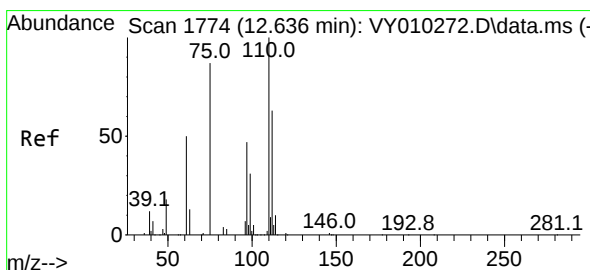
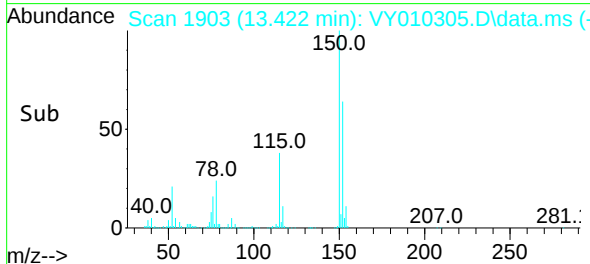
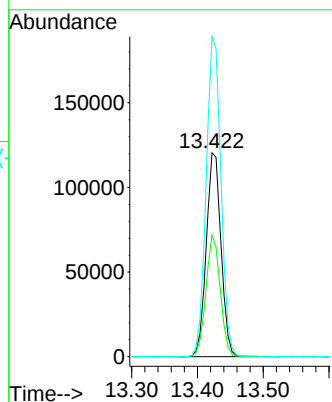
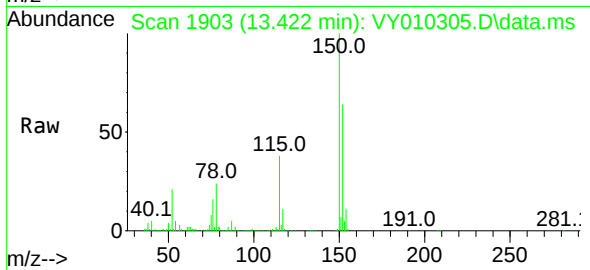
Tgt Ion:152 Resp: 187571

Ion Ratio Lower Upper

152 100

115 58.0 28.2 84.7

150 157.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 43.664 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY010305.D

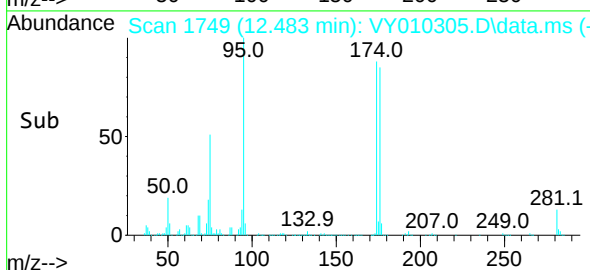
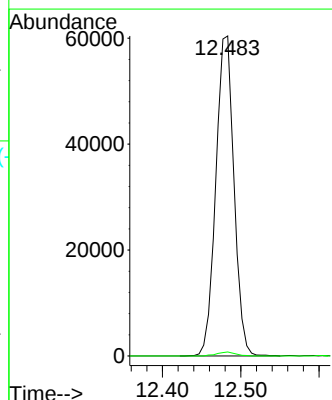
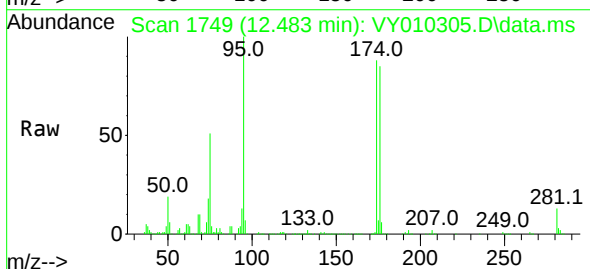
Acq: 03 Sep 2022 02:59

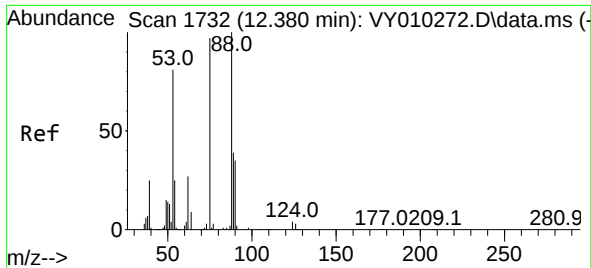
Tgt Ion: 75 Resp: 97465

Ion Ratio Lower Upper

75 100

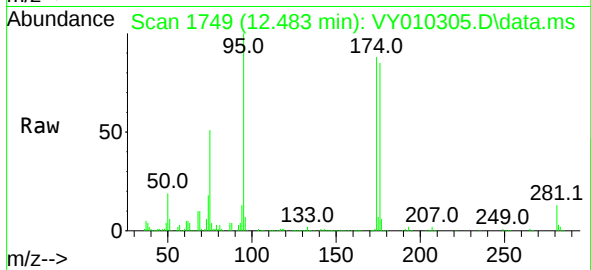
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.088 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010305.D
 Acq: 03 Sep 2022 02:59

Instrument :
 MSVOA_Y
 ClientSampleId :



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

