

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090722\
 Data File : VY010379.D
 Acq On : 07 Sep 2022 18:03
 Operator : KP/MD
 Sample : N4509-02
 Misc : 5..03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1-SO_113D-20220902

Quant Time: Sep 08 04:14:01 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	225757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	169969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123757	53.461	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.920%
35) Dibromofluoromethane	7.716	113	115288	46.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.600%
50) Toluene-d8	10.179	98	445321	53.417	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.840%
62) 4-Bromofluorobenzene	12.483	95	153497	45.394	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.780%

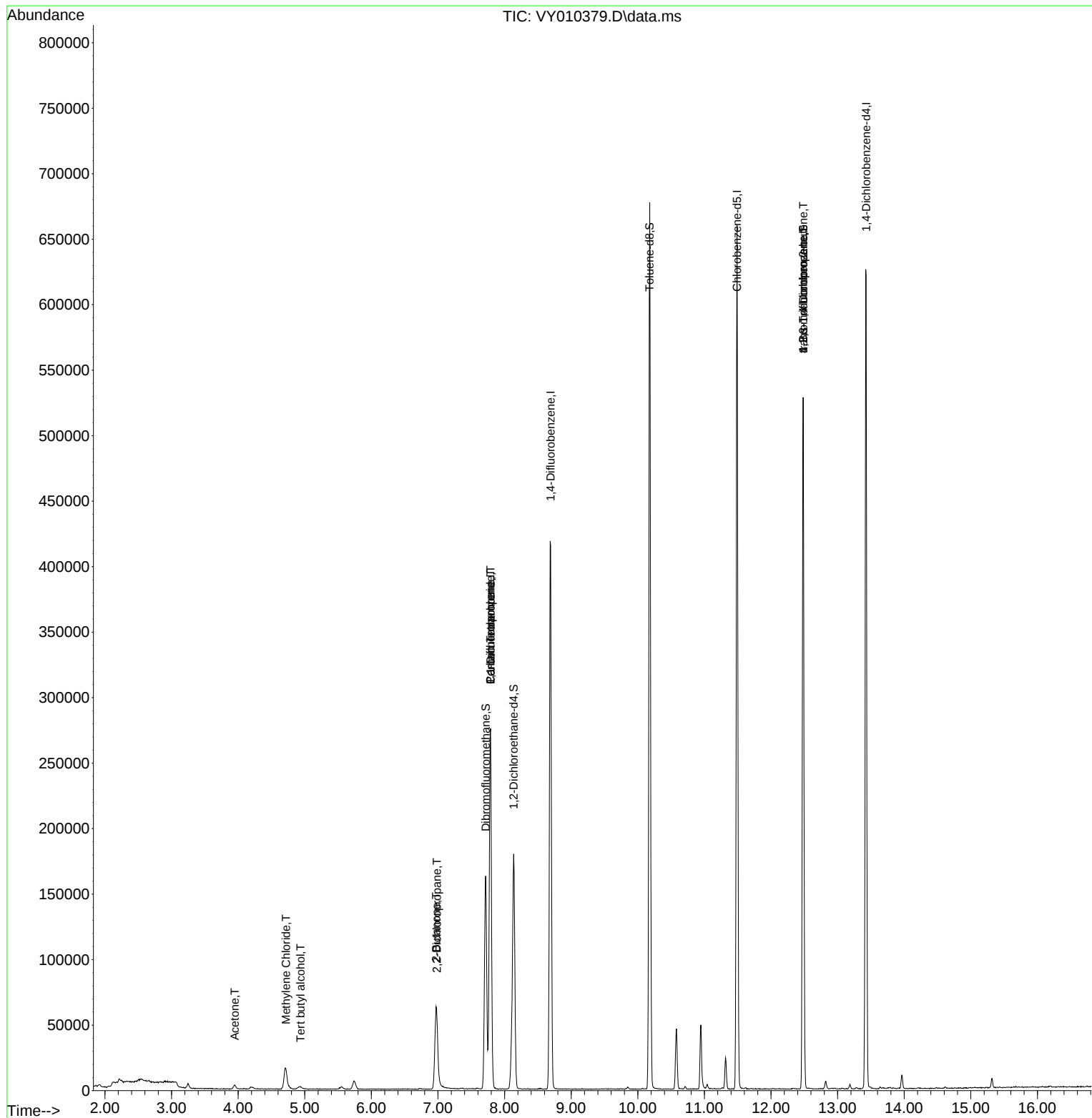
Target Compounds					Qvalue	
5) Bromomethane	2.649	94	166	Below Cal	#	13
11) Tert butyl alcohol	4.936	59	2737	9.883	ug/l #	77
16) Acetone	3.948	43	5096	8.806	ug/l	92
20) Methylene Chloride	4.716	84	12275	4.395	ug/l #	75
25) 2-Butanone	6.972	43	3497	3.682	ug/l #	79
26) 2,2-Dichloropropane	6.984	77	5009	1.188	ug/l #	55
36) 1,1-Dichloropropene	7.789	75	15716	4.302	ug/l #	51
38) Carbon Tetrachloride	7.789	117	21719	5.768	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	79386	39.247	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	79386	81.875	ug/l #	7

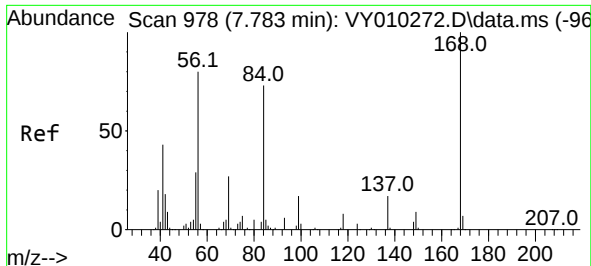
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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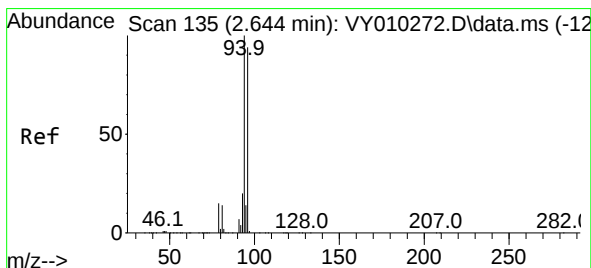
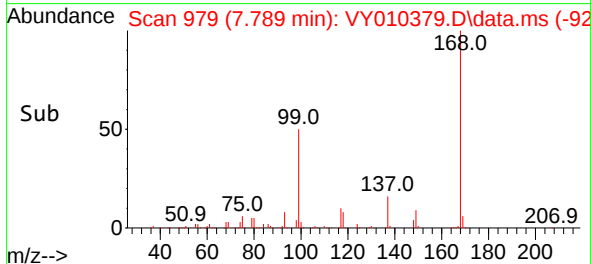
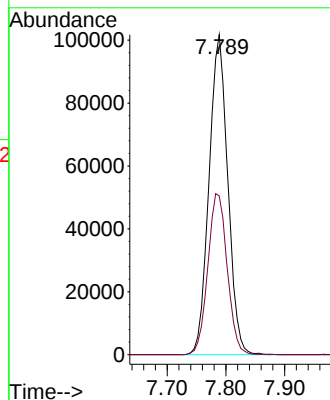
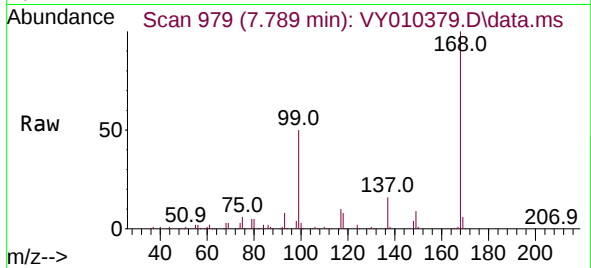




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

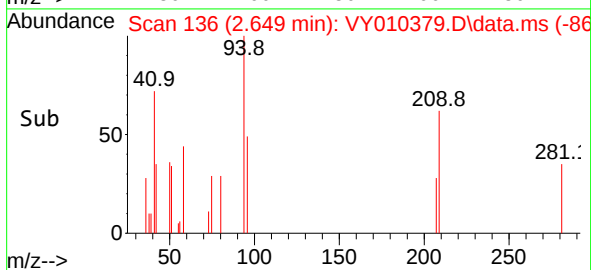
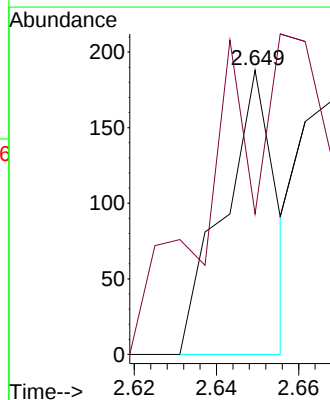
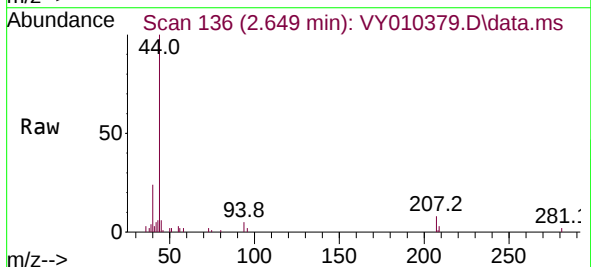
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_113D-20220902

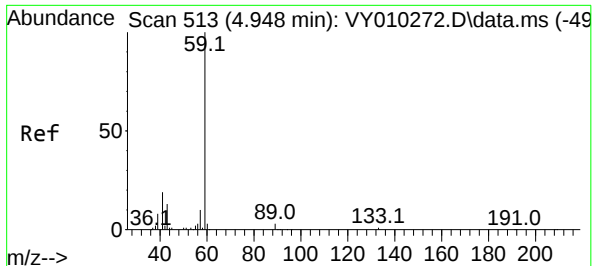
Tgt Ion:168 Resp: 225757
Ion Ratio Lower Upper
168 100
99 49.6 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 136
Delta R.T. 0.005 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Tgt Ion: 94 Resp: 166
Ion Ratio Lower Upper
94 100
96 9.0 73.5 110.3#





#11

Tert butyl alcohol

Concen: 9.883 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY010379.D

Acq: 07 Sep 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

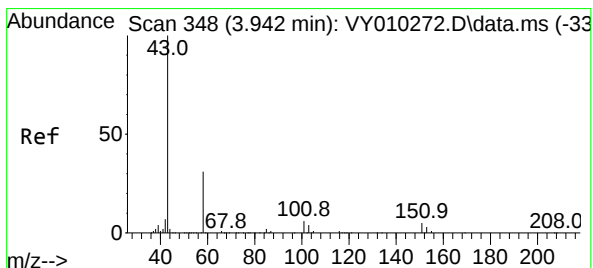
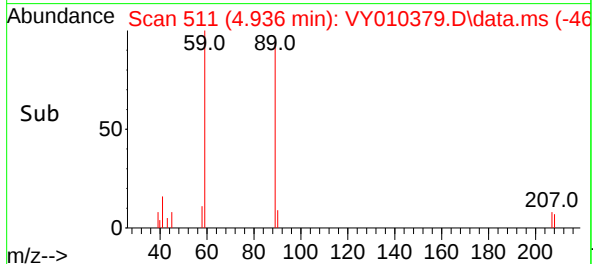
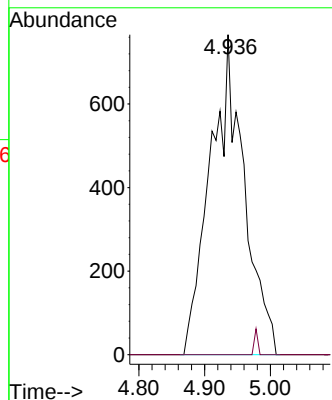
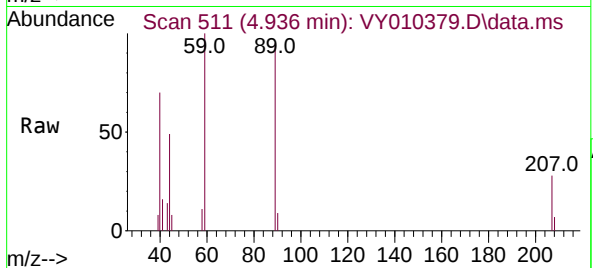
S1-SO_113D-20220902

Tgt Ion: 59 Resp: 2737

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 8.806 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY010379.D

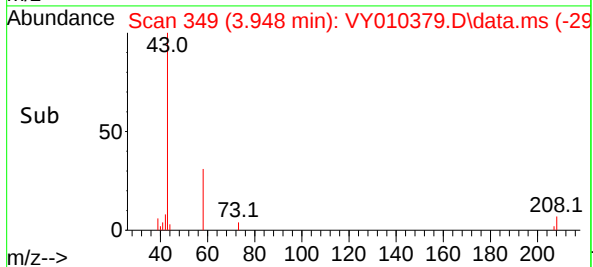
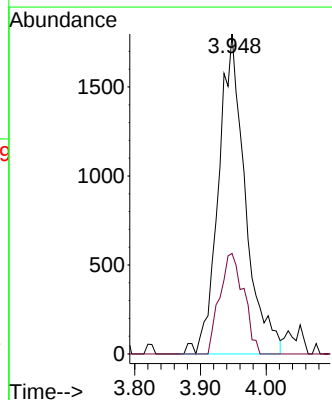
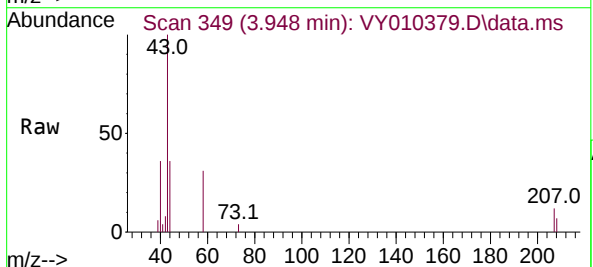
Acq: 07 Sep 2022 18:03

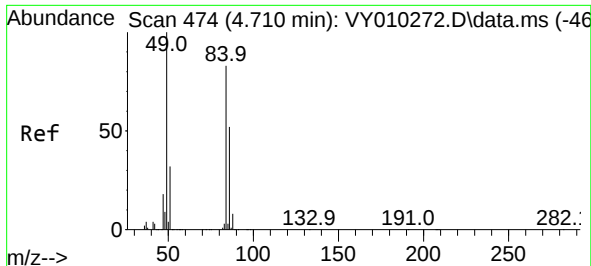
Tgt Ion: 43 Resp: 5096

Ion Ratio Lower Upper

43 100

58 31.4 22.0 33.0

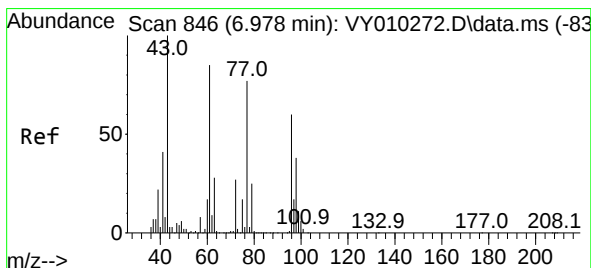
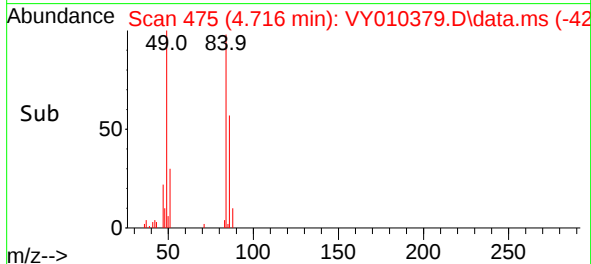
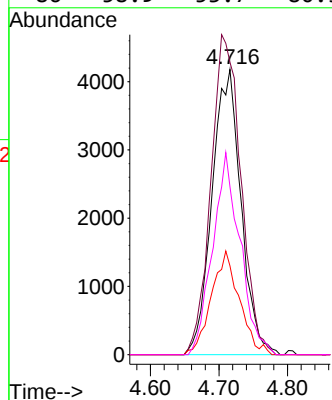
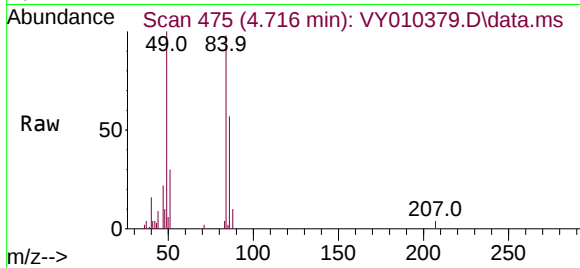




#20
Methylene Chloride
Concen: 4.395 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

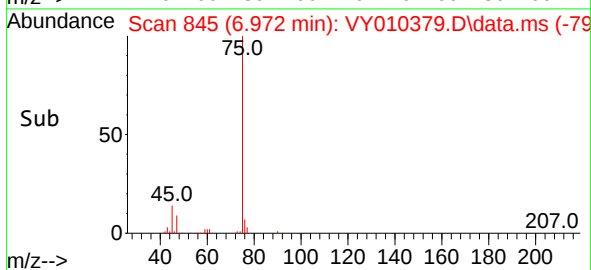
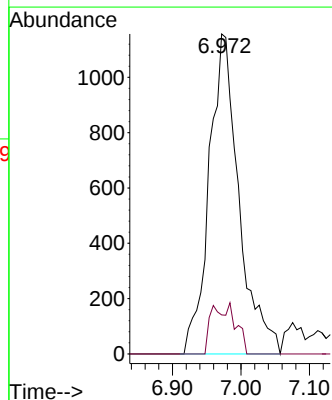
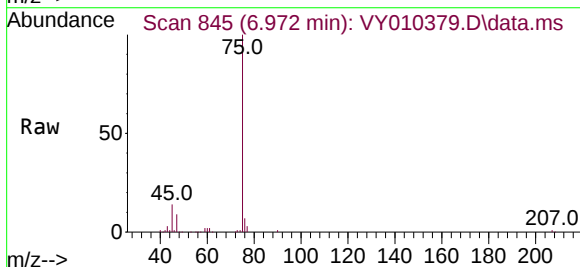
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_113D-20220902

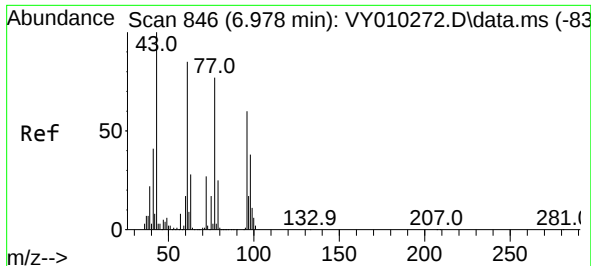
Tgt Ion: 84 Resp: 12275
Ion Ratio Lower Upper
84 100
49 102.5 114.4 171.6#
51 31.1 35.3 52.9#
86 58.9 53.7 80.5



#25
2-Butanone
Concen: 3.682 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Tgt Ion: 43 Resp: 3497
Ion Ratio Lower Upper
43 100
72 12.2 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.188 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY010379.D

Acq: 07 Sep 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

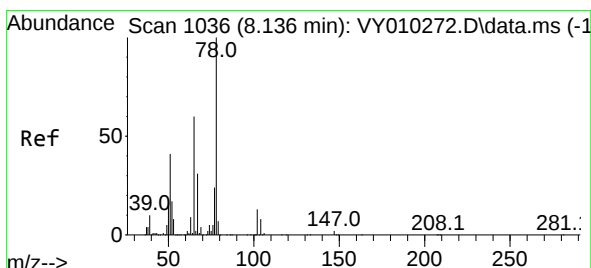
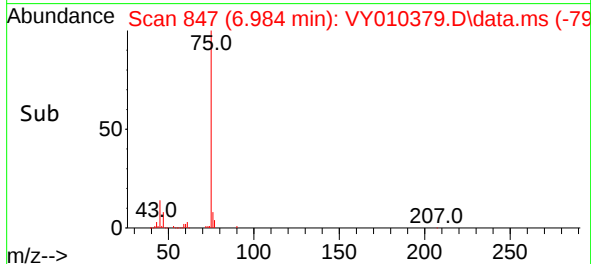
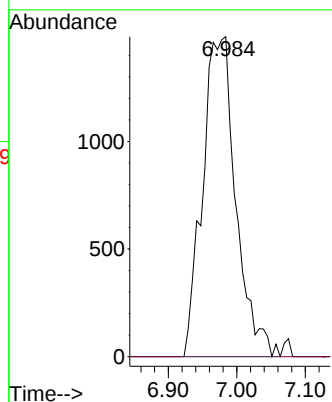
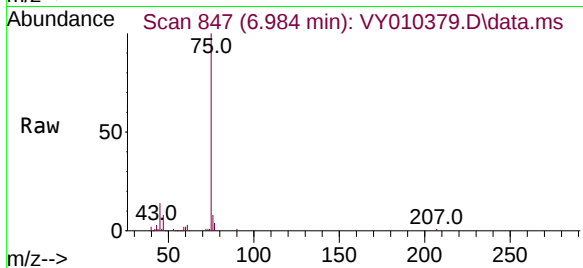
S1-SO_113D-20220902

Tgt Ion: 77 Resp: 5009

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#33

1,2-Dichloroethane-d4

Concen: 53.461 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010379.D

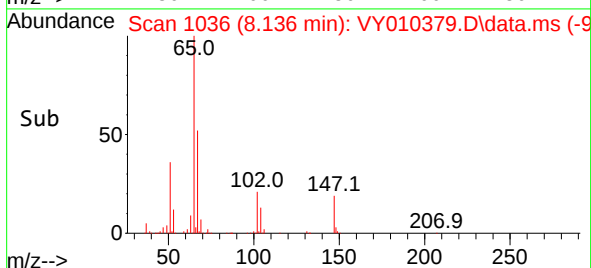
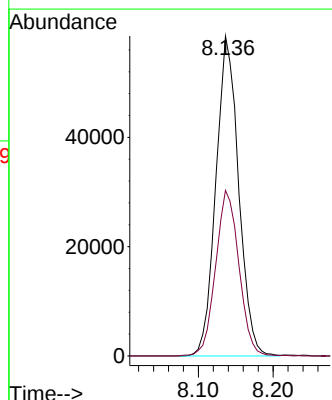
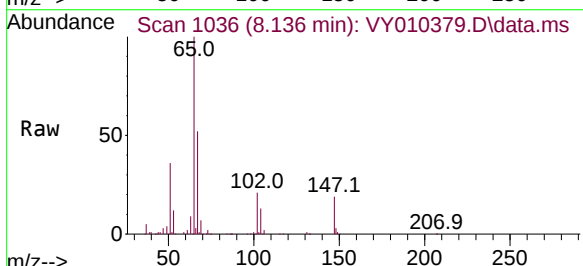
Acq: 07 Sep 2022 18:03

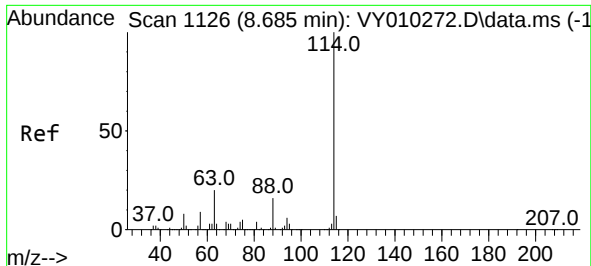
Tgt Ion: 65 Resp: 123757

Ion Ratio Lower Upper

65 100

67 53.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010379.D

Acq: 07 Sep 2022 18:03

Instrument :

MSVOA_Y

ClientSampleId :

S1-SO_113D-20220902

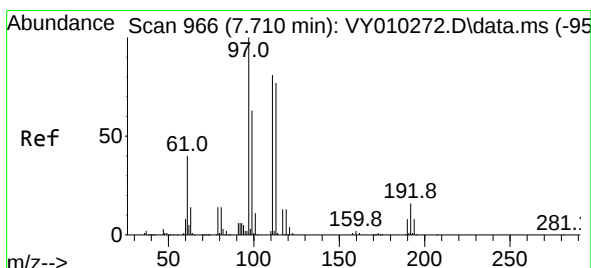
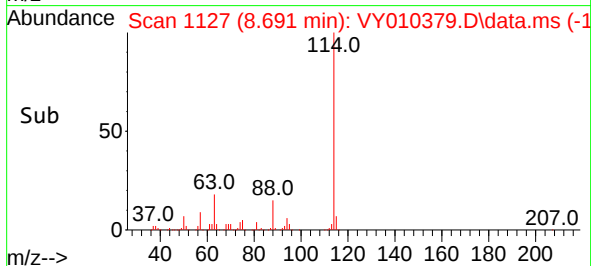
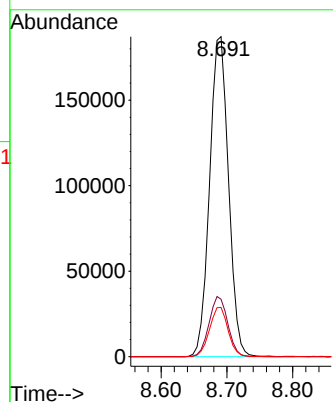
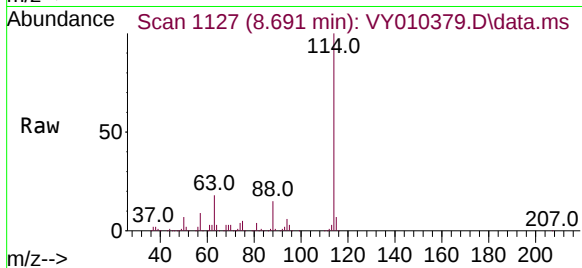
Tgt Ion:114 Resp: 374037

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.300 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010379.D

Acq: 07 Sep 2022 18:03

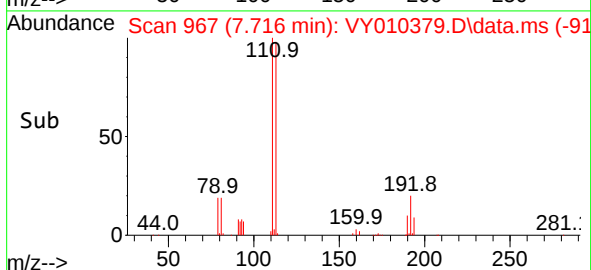
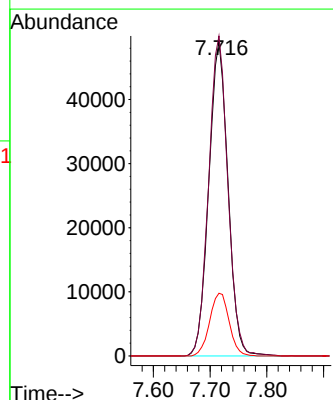
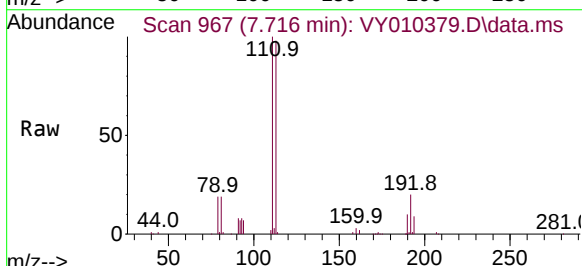
Tgt Ion:113 Resp: 115288

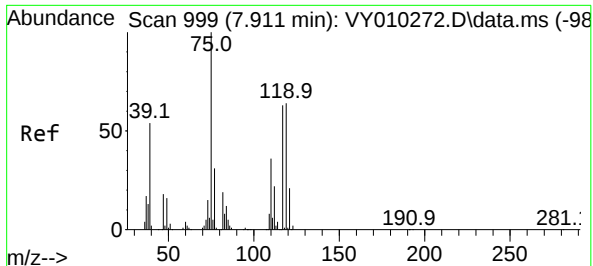
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 20.3 17.6 26.4

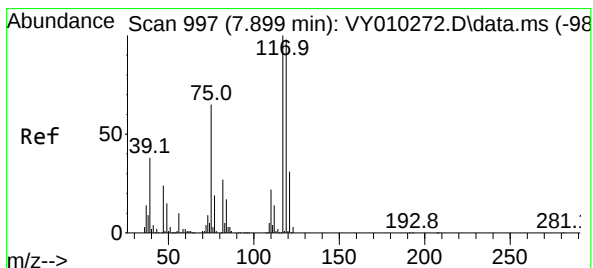
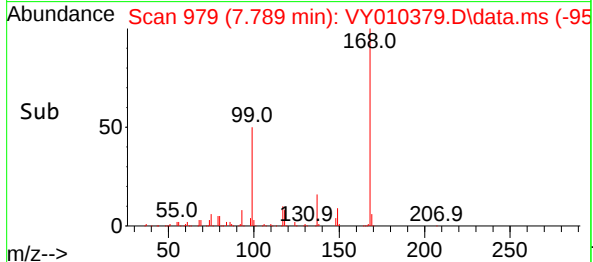
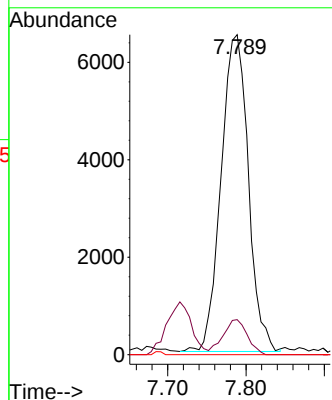
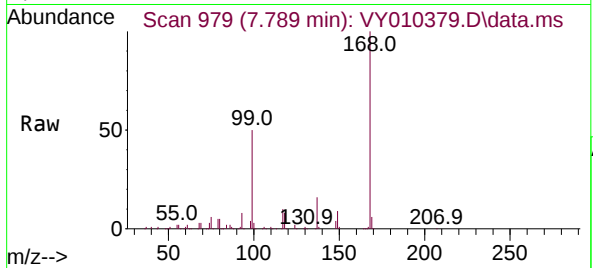




#36
 1,1-Dichloropropene
 Concen: 4.302 ug/l
 RT: 7.789 min Scan# 919
 Delta R.T. -0.122 min
 Lab File: VY010379.D
 Acq: 07 Sep 2022 18:03

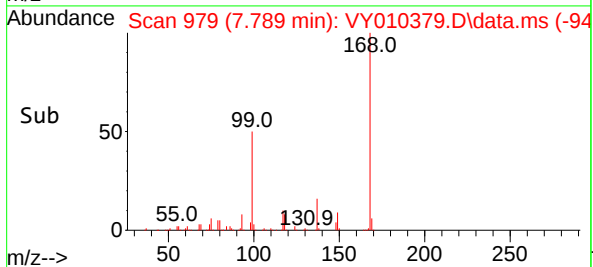
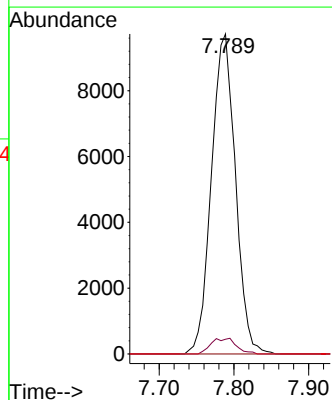
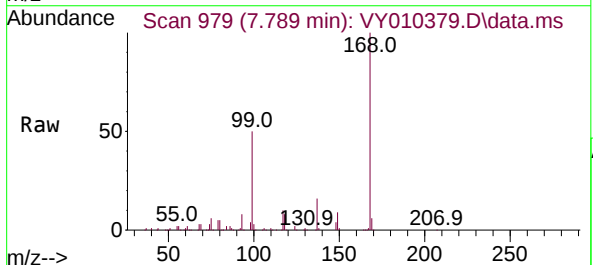
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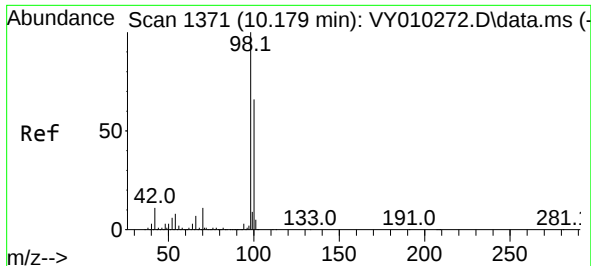
Tgt Ion: 75 Resp: 15716
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.768 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY010379.D
 Acq: 07 Sep 2022 18:03

Tgt Ion: 117 Resp: 21719
 Ion Ratio Lower Upper
 117 100
 119 4.6 77.9 116.9#
 121 0.0 24.8 37.2#

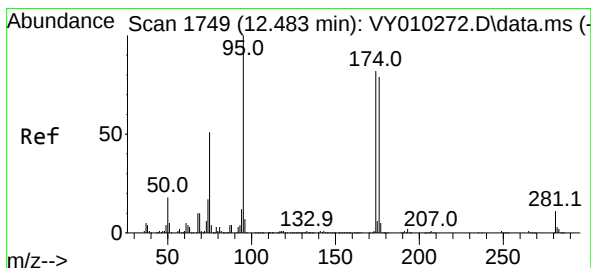
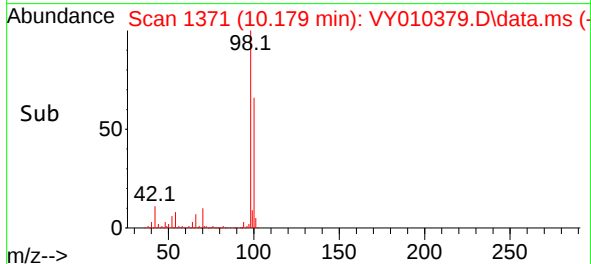
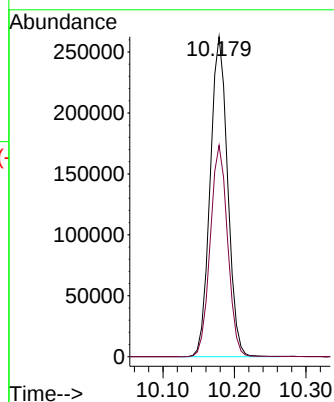
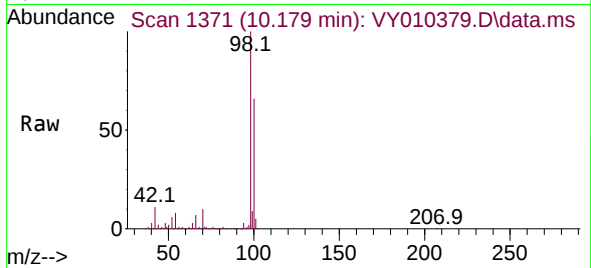




#50
Toluene-d8
Concen: 53.417 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

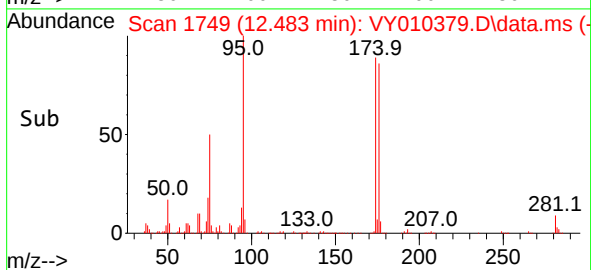
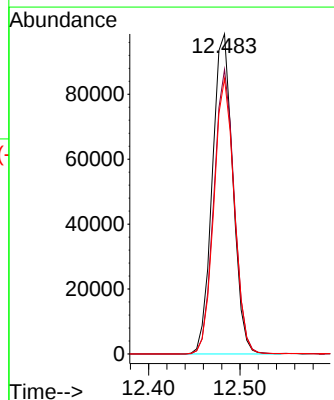
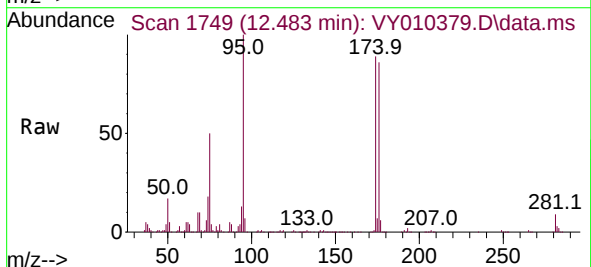
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_113D-20220902

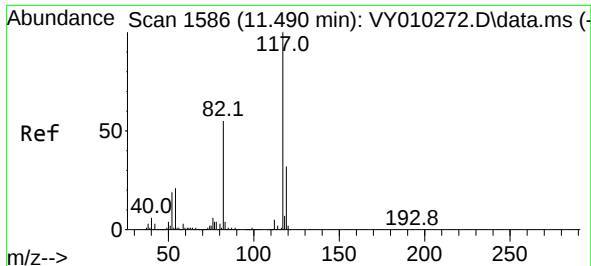
Tgt Ion: 98 Resp: 445321
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.394 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Tgt Ion: 95 Resp: 153497
Ion Ratio Lower Upper
95 100
174 88.3 0.0 177.0
176 85.5 0.0 175.8

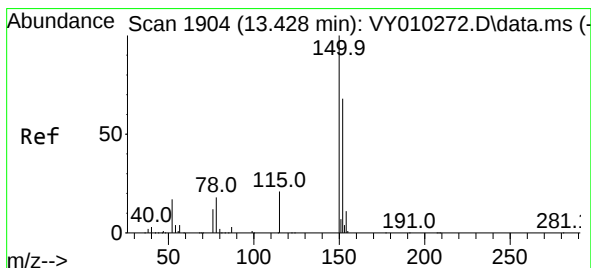
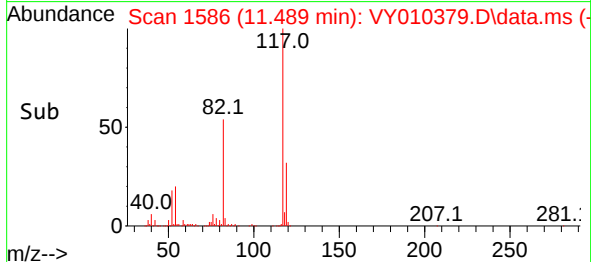
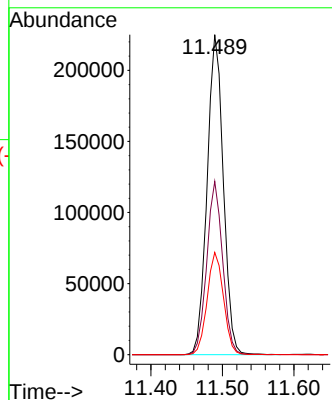
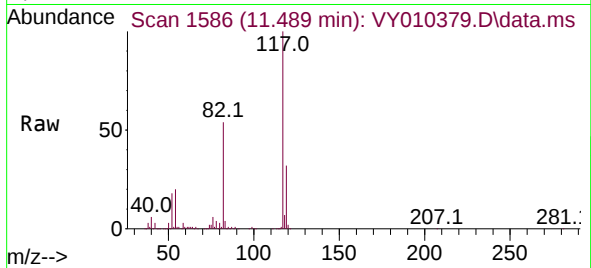




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

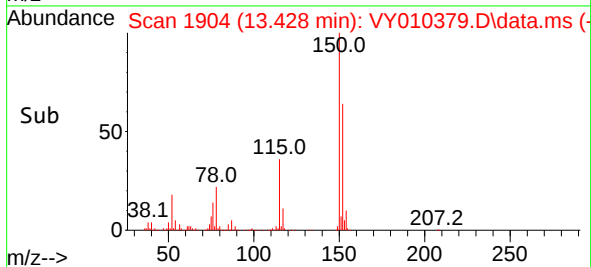
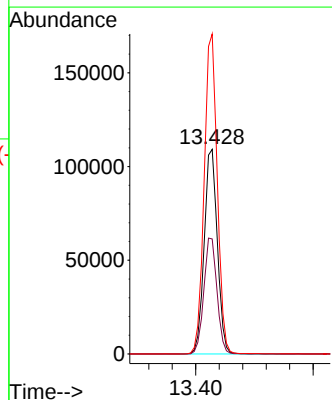
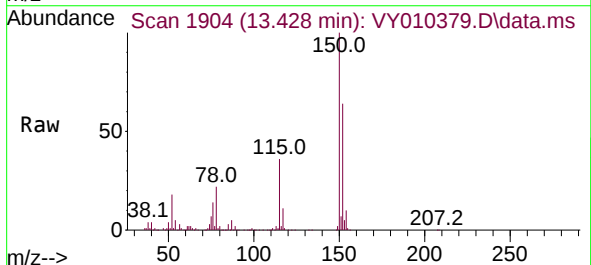
Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_113D-20220902

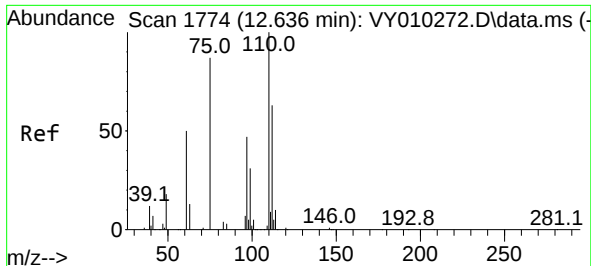
Tgt Ion:117 Resp: 354505
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Tgt Ion:152 Resp: 169969
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 155.2 0.0 347.6

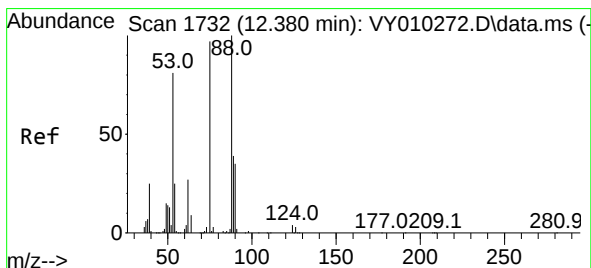
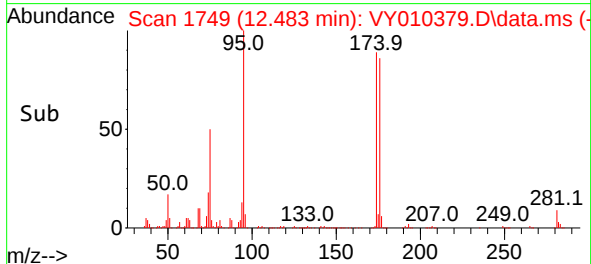
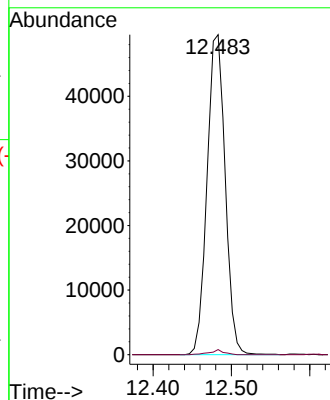
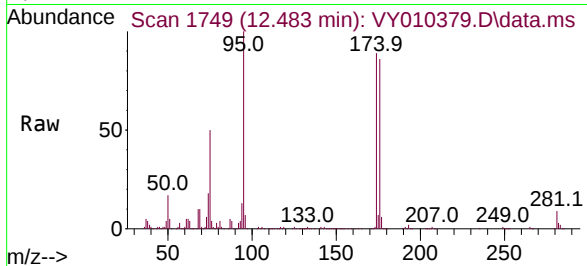




#76
1,2,3-Trichloropropane
Concen: 39.247 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Instrument :
MSVOA_Y
ClientSampleId :
S1-SO_113D-20220902

Tgt Ion: 75 Resp: 79386
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.875 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY010379.D
Acq: 07 Sep 2022 18:03

Tgt Ion: 75 Resp: 79386
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

