

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010299.D
 Acq On : 03 Sep 2022 00:38
 Operator : KP/MD
 Sample : N4379-04
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02-10-11

Quant Time: Sep 03 06:09:51 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)

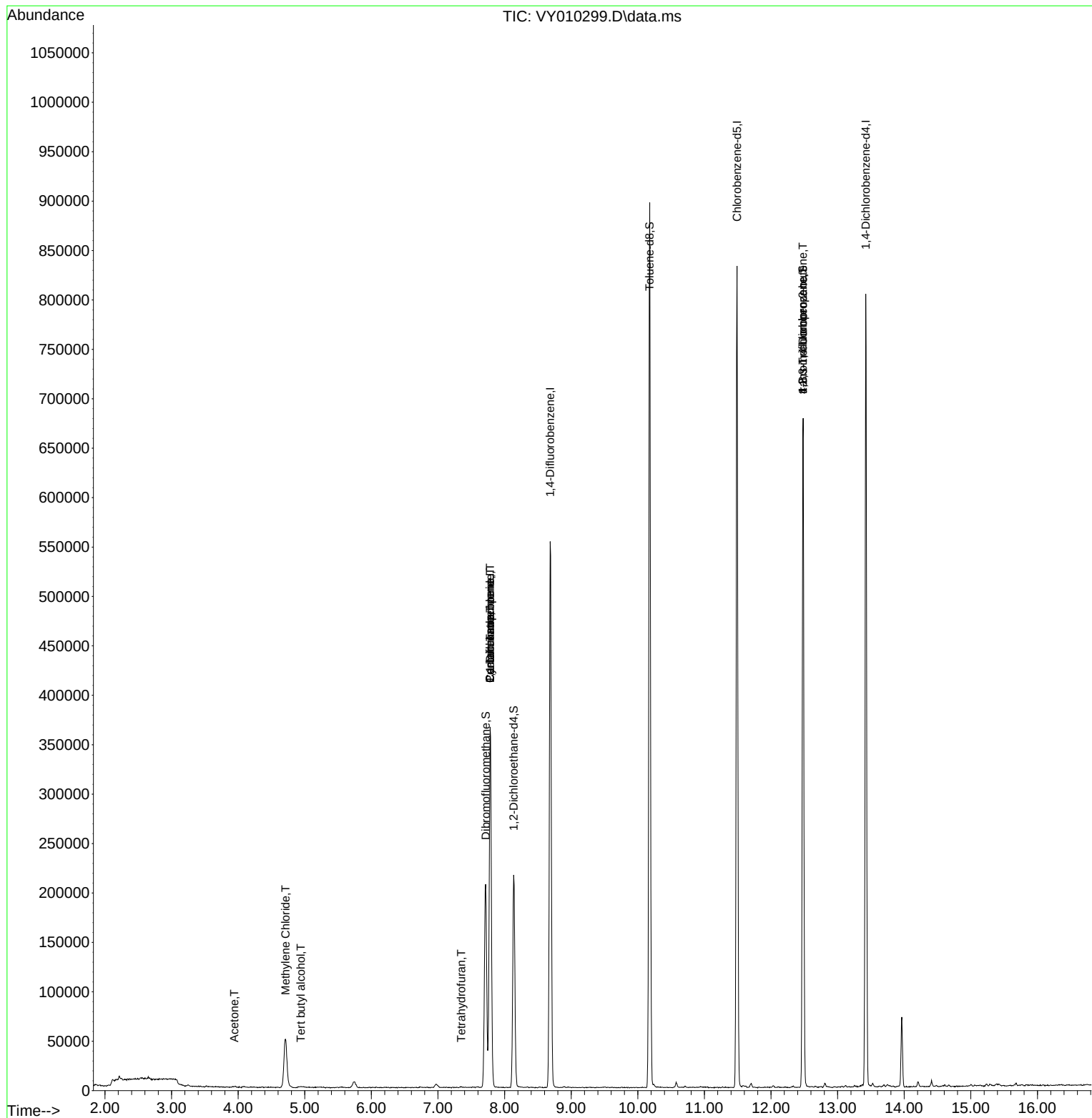
Internal Standards						
1) Pentafluorobenzene	7.783	168	291237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	488676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	455948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	206747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	169325	56.700	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.400%	
35) Dibromofluoromethane	7.716	113	148845	45.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.500%	
50) Toluene-d8	10.179	98	580050	53.256	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.477	95	204731	46.493	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.980%	
Target Compounds						Qvalue
5) Bromomethane	2.668	94	805	Below Cal	#	74
11) Tert butyl alcohol	4.942	59	1775	4.968	ug/l	97
16) Acetone	3.942	43	1323	1.772	ug/l #	87
20) Methylene Chloride	4.710	84	38930	10.806	ug/l #	88
29) Tetrahydrofuran	7.350	42	1042	1.328	ug/l #	65
31) Cyclohexane	7.783	56	5859	1.006	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	21513	4.507	ug/l #	51
38) Carbon Tetrachloride	7.783	117	28021	5.696	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	105318	42.806	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	105318	89.298	ug/l #	7

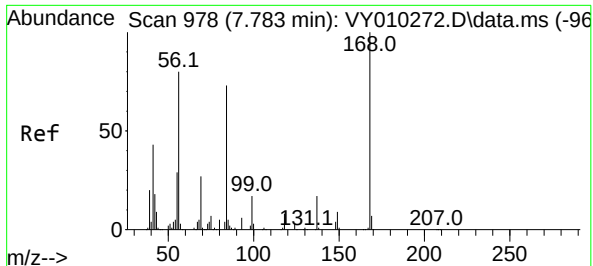
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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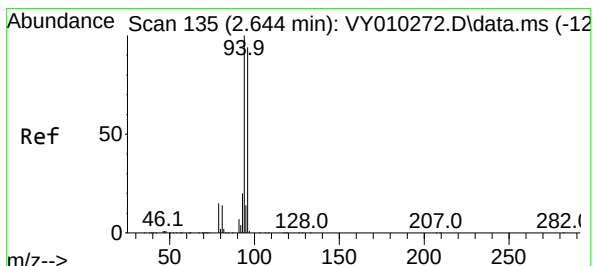
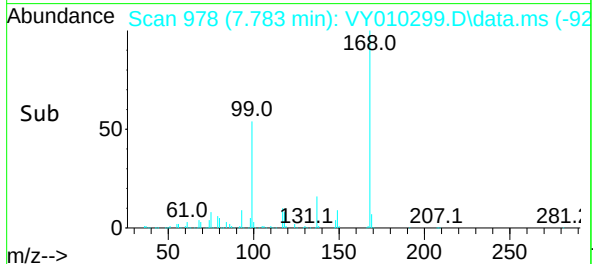
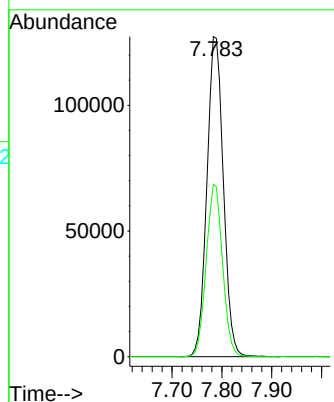
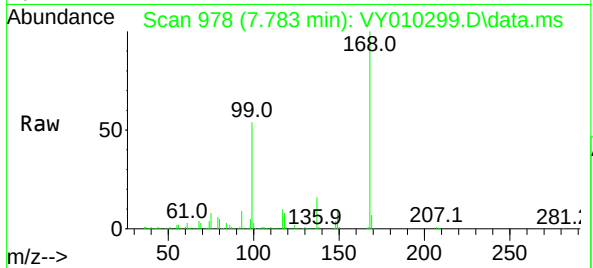




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

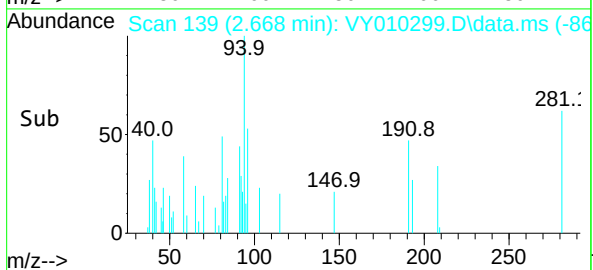
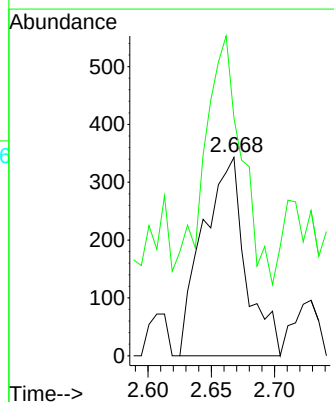
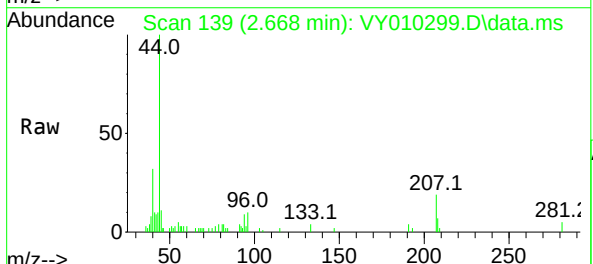
Instrument :
MSVOA_Y
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SB-02-10-11

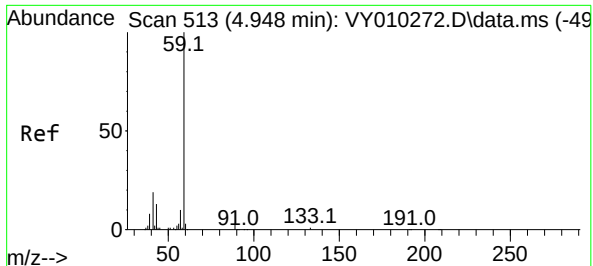
Tgt Ion:168 Resp: 291237
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.024 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 94 Resp: 805
Ion Ratio Lower Upper
94 100
96 67.3 73.5 110.3#





#11

Tert butyl alcohol

Concen: 4.968 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010299.D

Acq: 03 Sep 2022 00:38

Instrument :

MSVOA_Y

ClientSampleId :

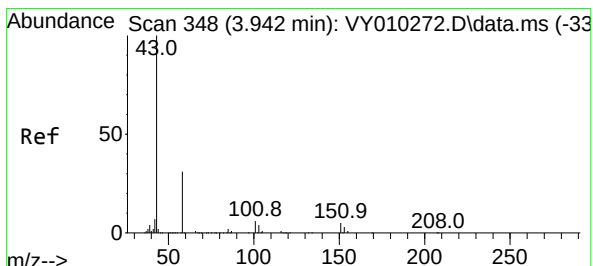
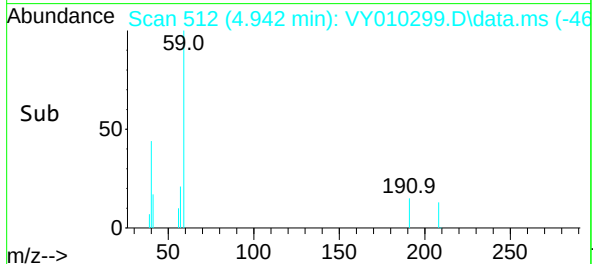
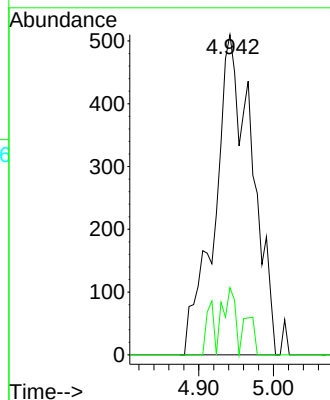
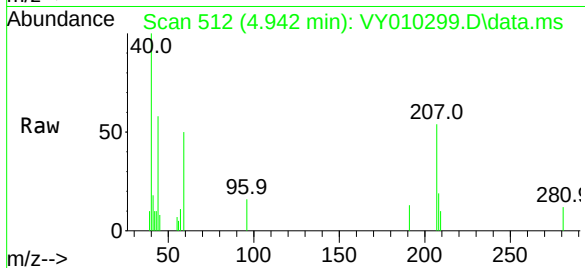
SB-02-10-11

Tgt Ion: 59 Resp: 1775

Ion Ratio Lower Upper

59 100

57 7.0 6.4 9.6



#16

Acetone

Concen: 1.772 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010299.D

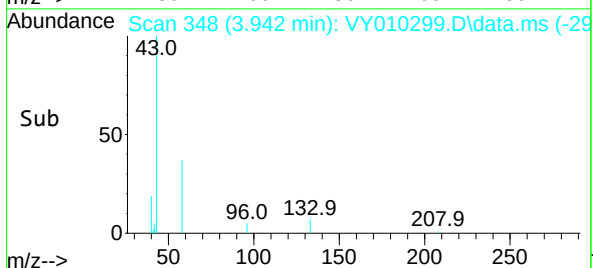
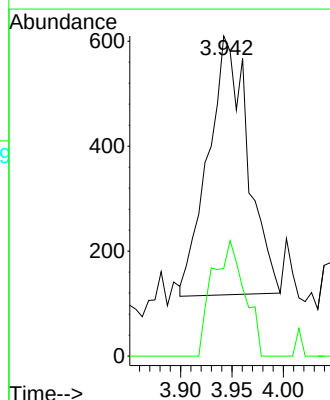
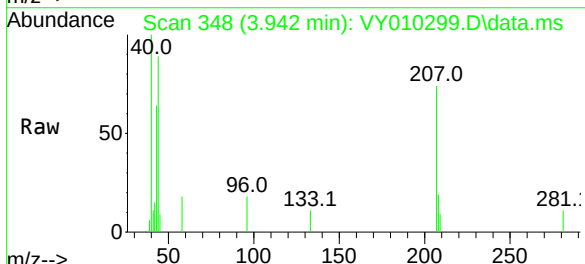
Acq: 03 Sep 2022 00:38

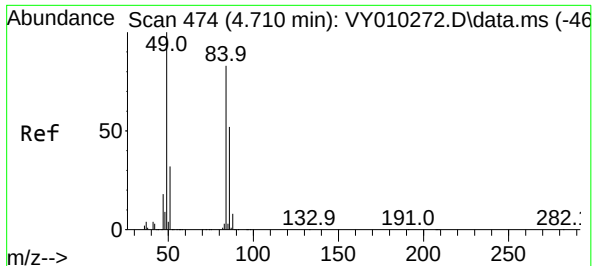
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

58 34.1 22.0 33.0#

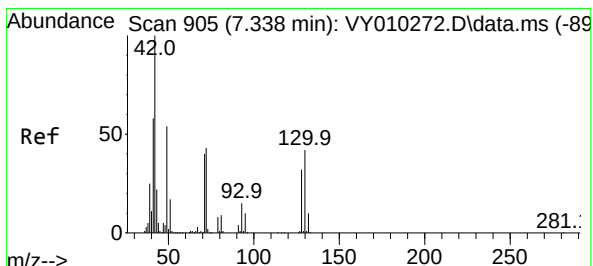
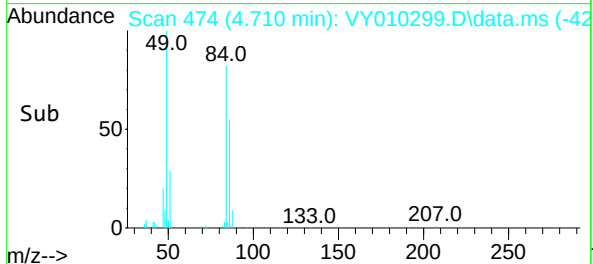
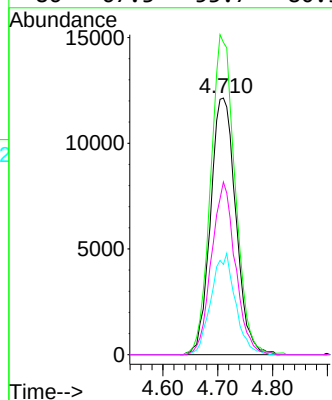
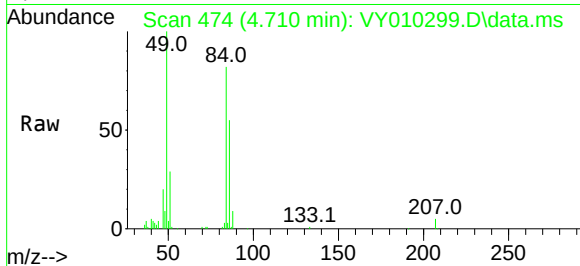




#20
Methylene Chloride
Concen: 10.806 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

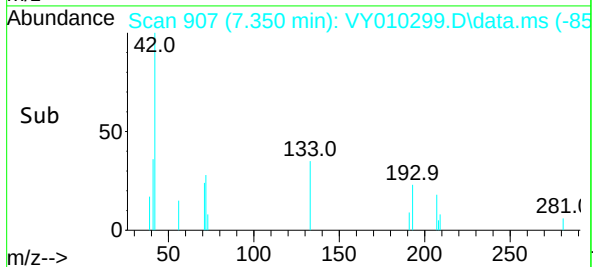
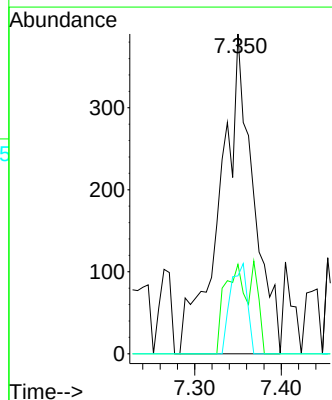
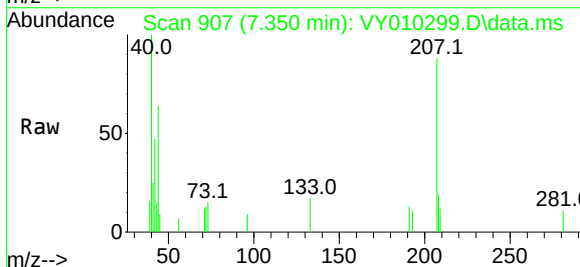
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-10-11

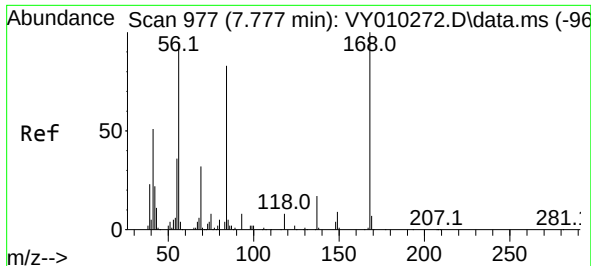
Tgt Ion: 84 Resp: 38930
Ion Ratio Lower Upper
84 100
49 121.7 114.4 171.6
51 35.2 35.3 52.9#
86 67.3 53.7 80.5



#29
Tetrahydrofuran
Concen: 1.328 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.012 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 42 Resp: 1042
Ion Ratio Lower Upper
42 100
72 17.6 30.3 45.5#
71 14.2 29.0 43.4#

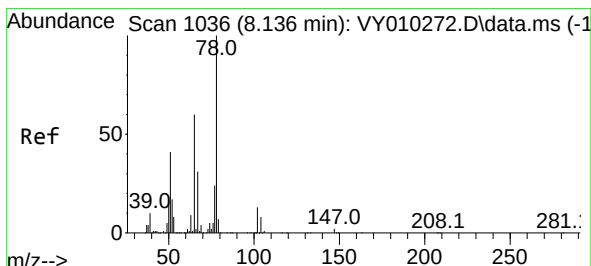
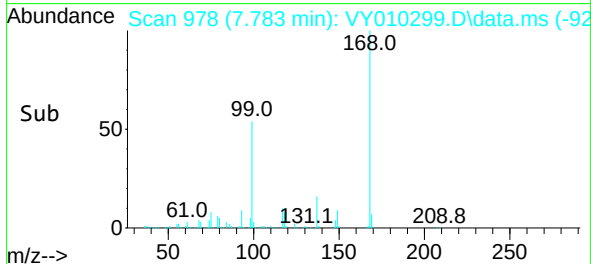
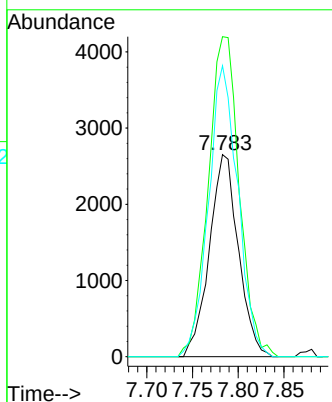
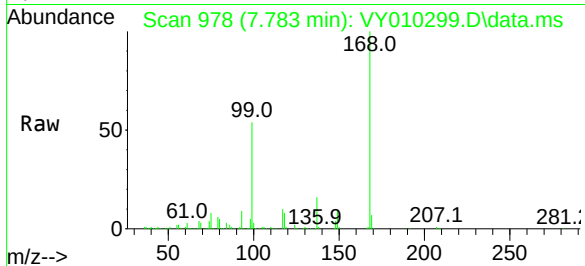




#31
Cyclohexane
Concen: 1.006 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

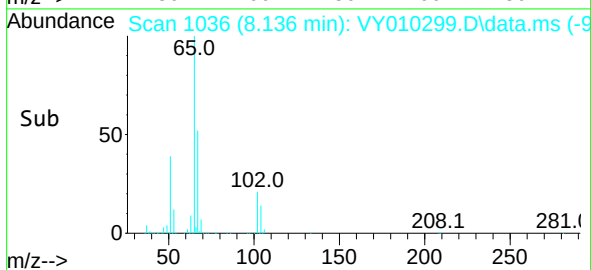
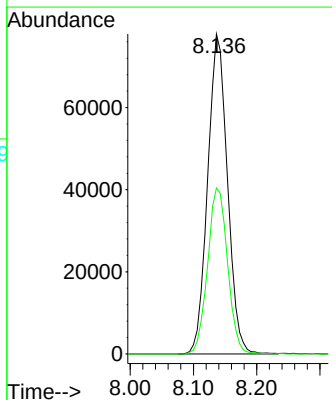
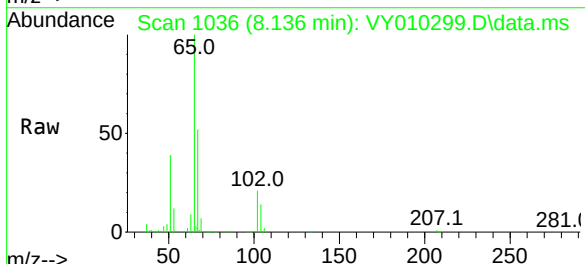
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-10-11

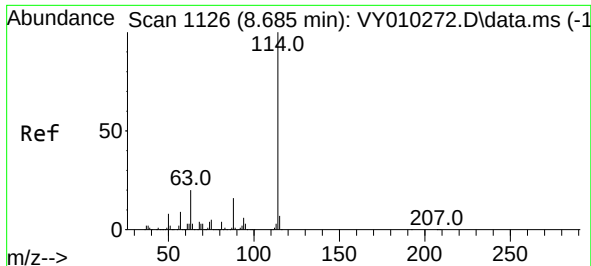
Tgt Ion: 56 Resp: 5859
Ion Ratio Lower Upper
56 100
69 158.4 26.7 40.1#
84 144.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.700 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 65 Resp: 169325
Ion Ratio Lower Upper
65 100
67 52.4 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: VY010299.D

Acq: 03 Sep 2022 00:38

Instrument :

MSVOA_Y

ClientSampleId :

SB-02-10-11

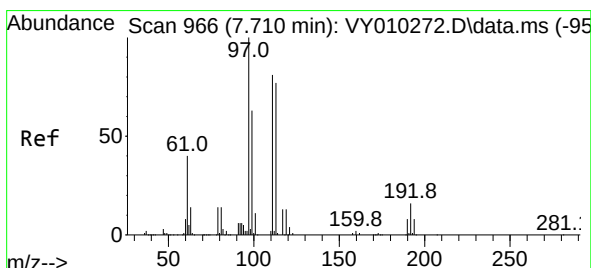
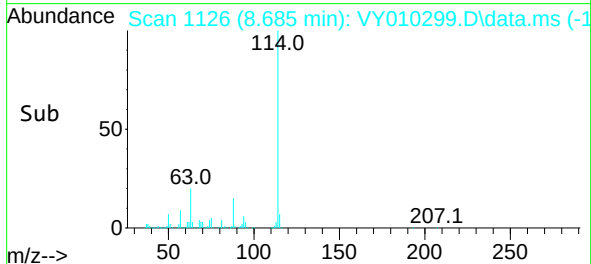
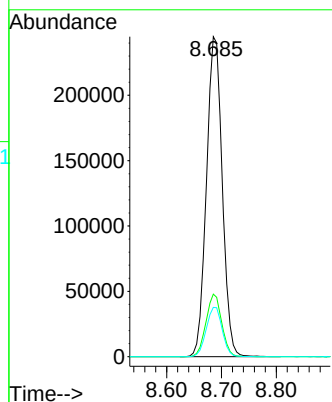
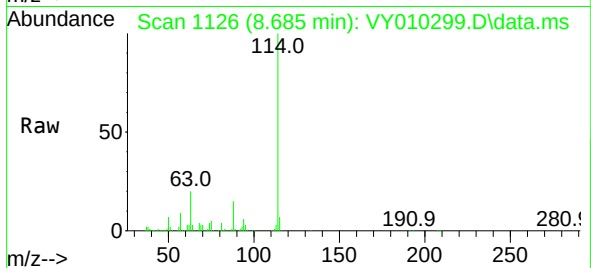
Tgt Ion:114 Resp: 488676

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.753 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010299.D

Acq: 03 Sep 2022 00:38

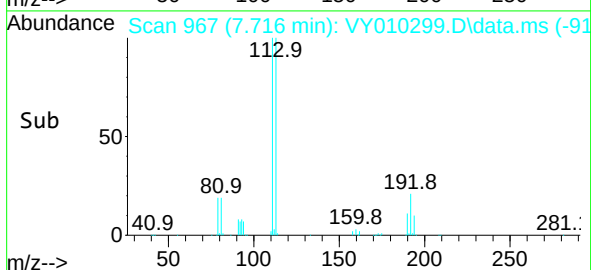
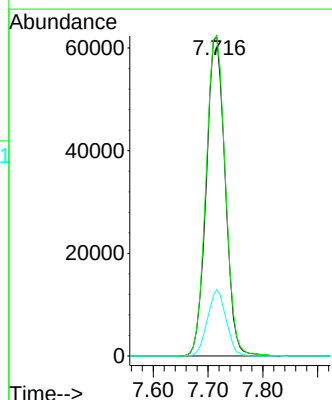
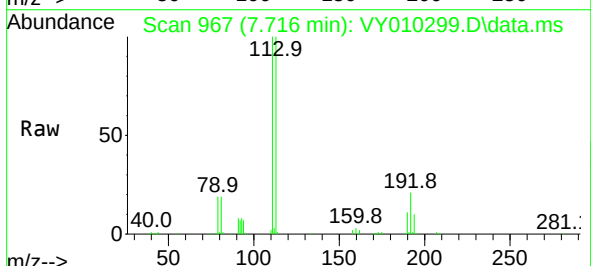
Tgt Ion:113 Resp: 148845

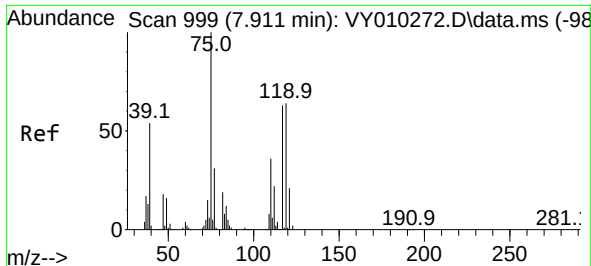
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 20.4 17.6 26.4

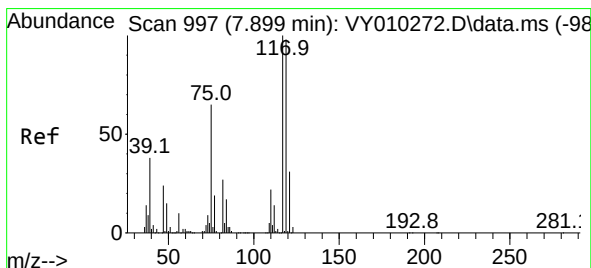
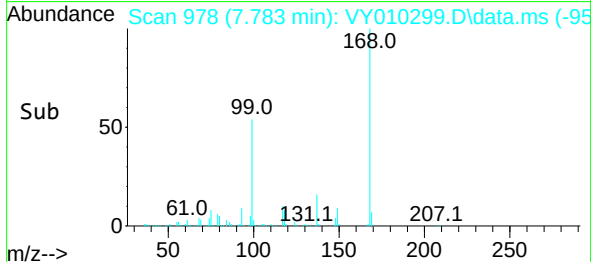
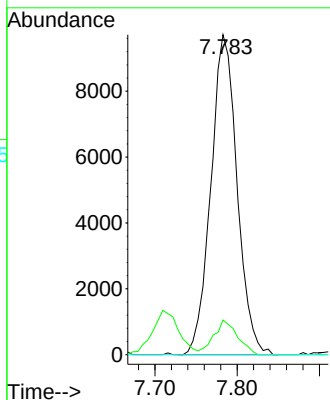
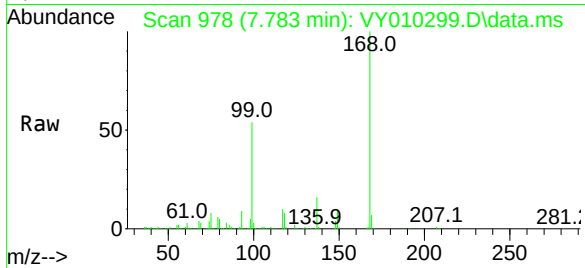




#36
1,1-Dichloropropene
Concen: 4.507 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

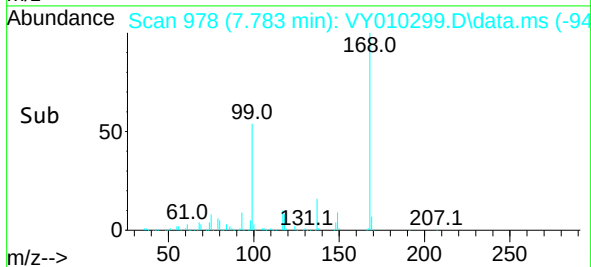
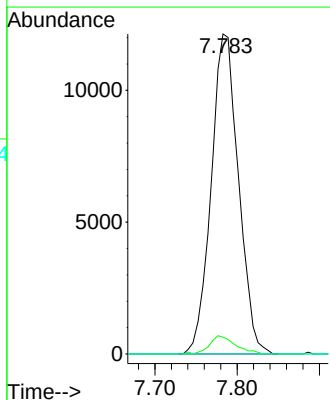
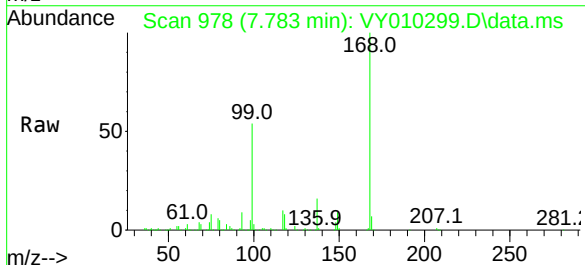
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SB-02-10-11

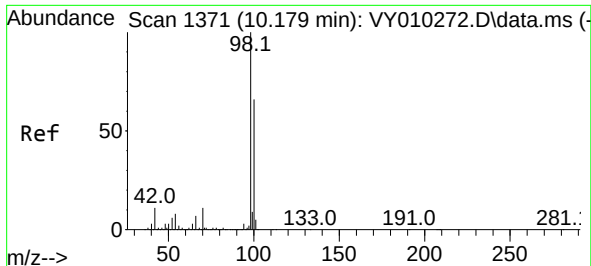
Tgt Ion: 75 Resp: 21513
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.696 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 117 Resp: 28021
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#

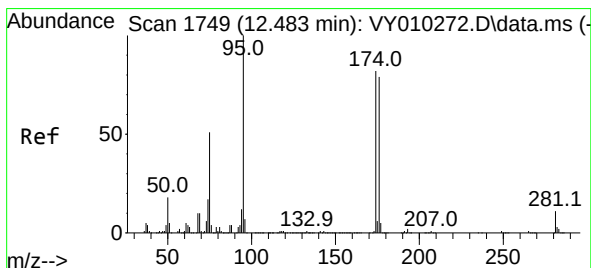
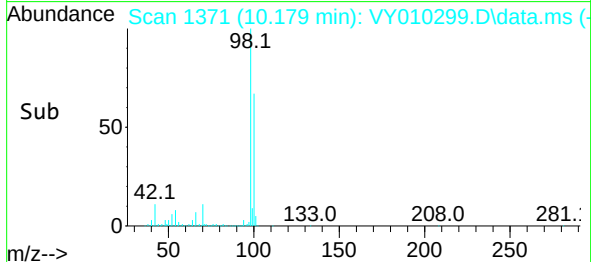
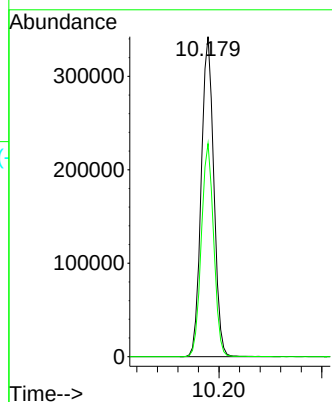
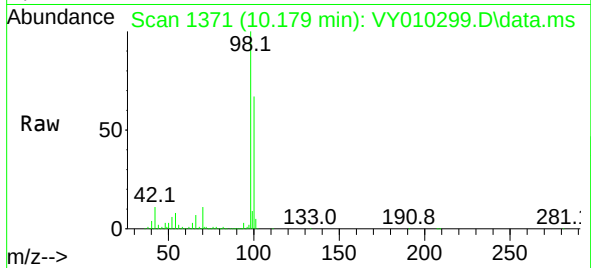




#50
Toluene-d8
Concen: 53.256 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

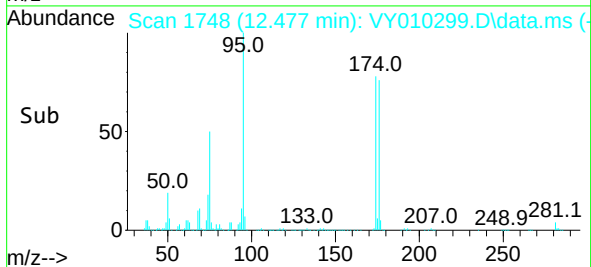
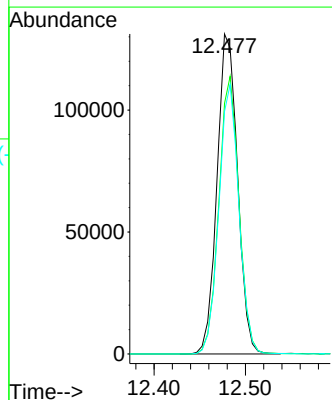
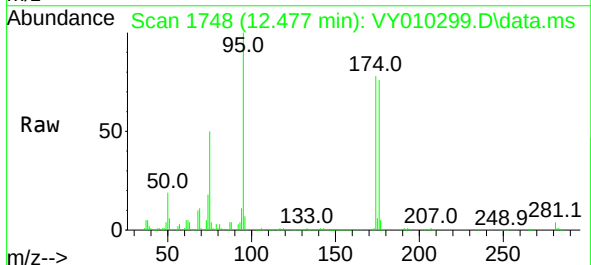
Instrument :
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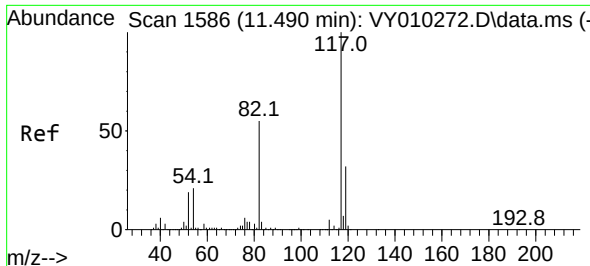
Tgt Ion: 98 Resp: 580050
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.493 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 95 Resp: 204731
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.4 0.0 175.8

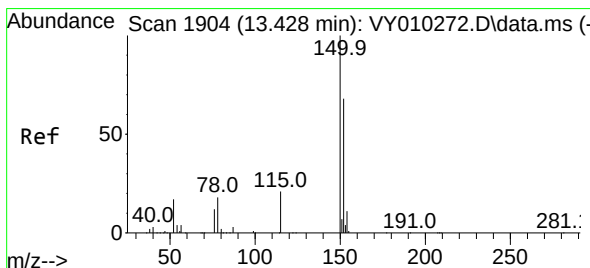
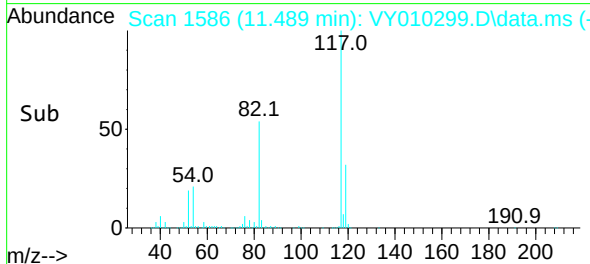
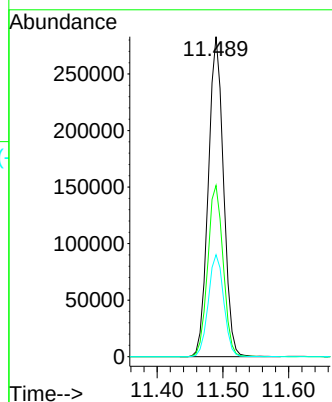
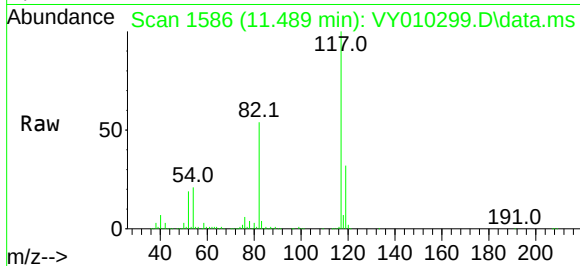




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

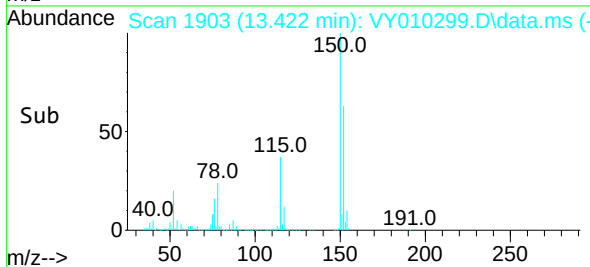
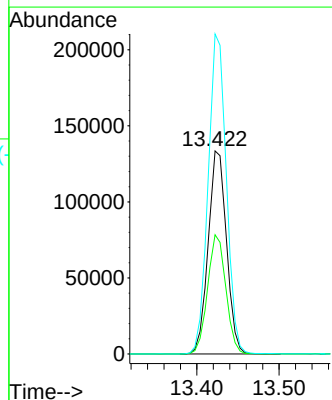
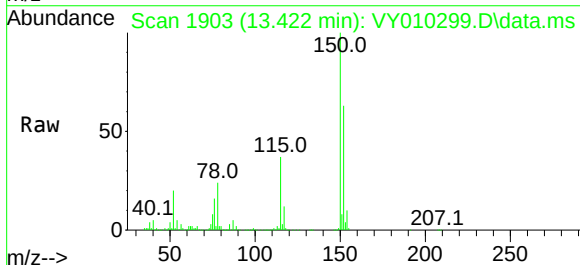
Instrument :
MSVOA_Y
ClientSampleId :
SB-02-10-11

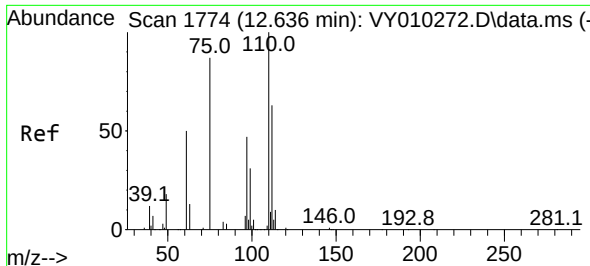
Tgt Ion:117 Resp: 455948
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion:152 Resp: 206747
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.5 0.0 347.6

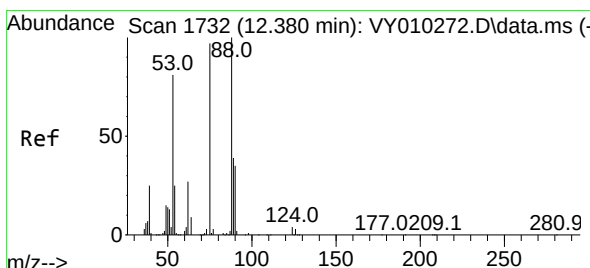
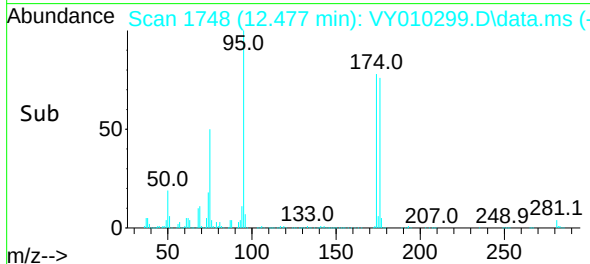
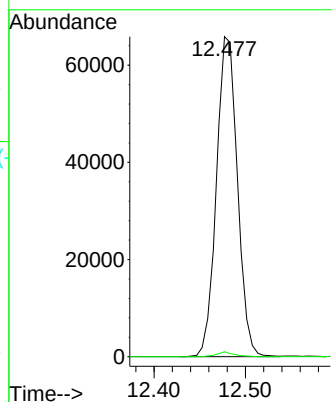
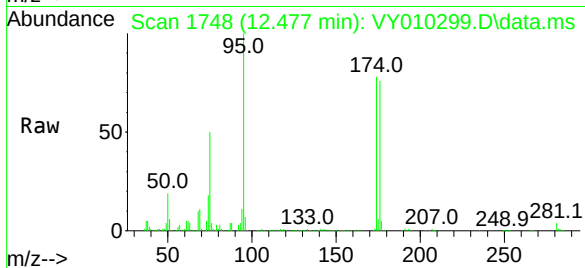




#76
1,2,3-Trichloropropane
Concen: 42.806 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-02-10-11

Tgt Ion: 75 Resp: 105318
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.298 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010299.D
Acq: 03 Sep 2022 00:38

Tgt Ion: 75 Resp: 105318
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

