

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010303.D
 Acq On : 03 Sep 2022 02:12
 Operator : KP/MD
 Sample : N4379-08
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-12-13

Quant Time: Sep 03 06:11:21 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)

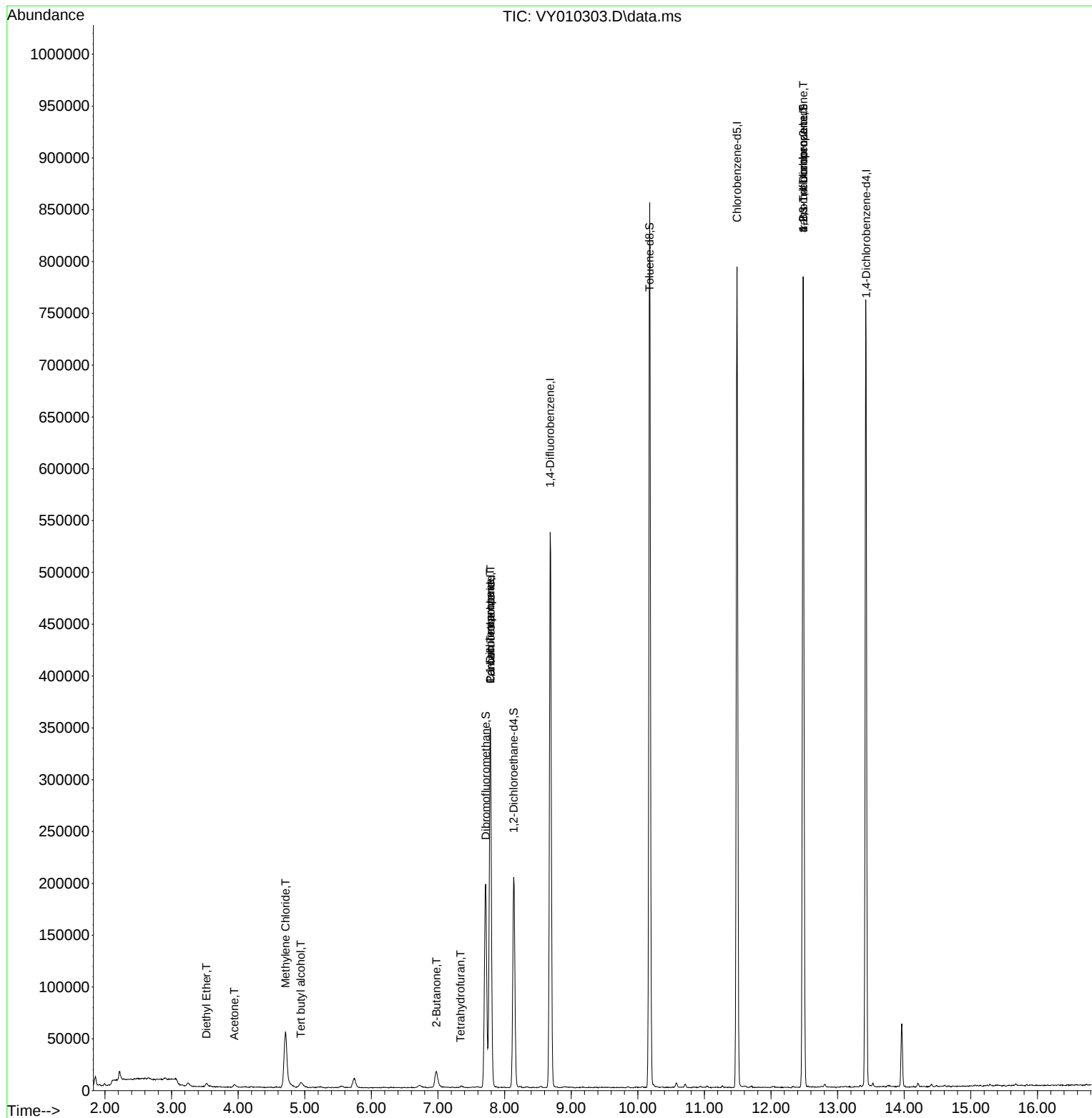
Internal Standards						
1) Pentafluorobenzene	7.789	168	277570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	466232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	201823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158818	55.801	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.600%			
35) Dibromofluoromethane	7.716	113	140609	45.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.600%			
50) Toluene-d8	10.179	98	554698	53.380	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.760%			
62) 4-Bromofluorobenzene	12.483	95	194607	46.294	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.580%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	638	Below Cal	#	63
8) Diethyl Ether	3.521	74	1962	1.188	ug/l	96
11) Tert butyl alcohol	4.942	59	8813	25.882	ug/l	96
16) Acetone	3.942	43	3942	5.540	ug/l	99
20) Methylene Chloride	4.710	84	40393	11.764	ug/l	86
25) 2-Butanone	6.978	43	1806	1.547	ug/l	100
29) Tetrahydrofuran	7.338	42	954	1.275	ug/l	# 84
36) 1,1-Dichloropropene	7.783	75	20660	4.537	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	26719	5.693	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	101236	42.150	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	101236	87.931	ug/l	# 8

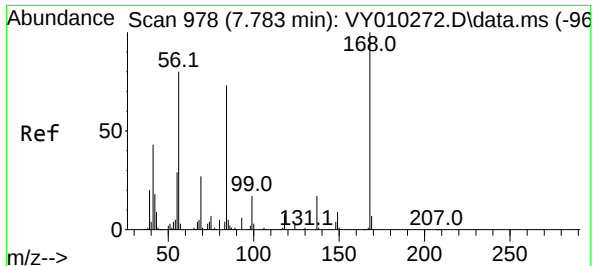
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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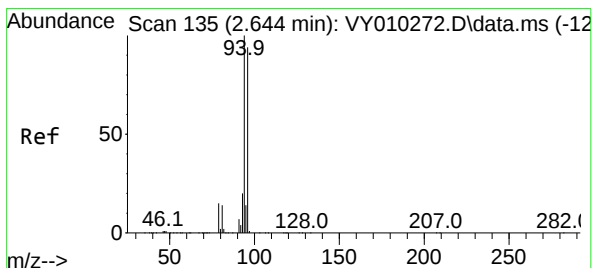
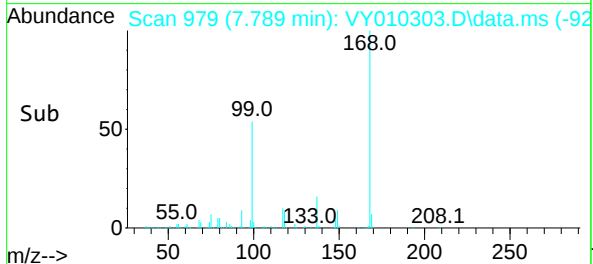
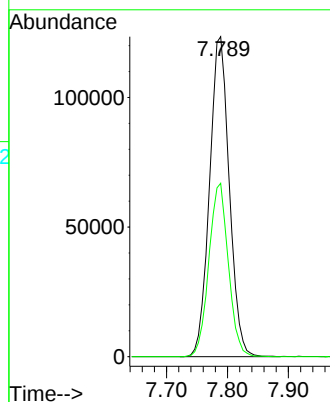
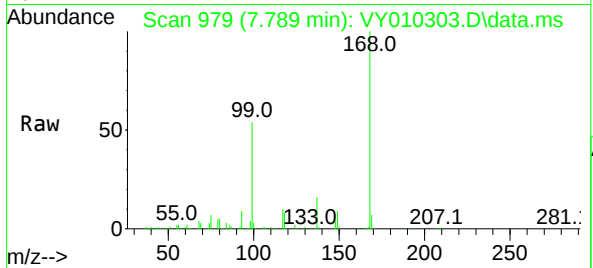




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

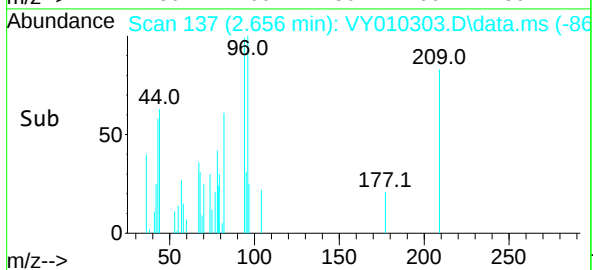
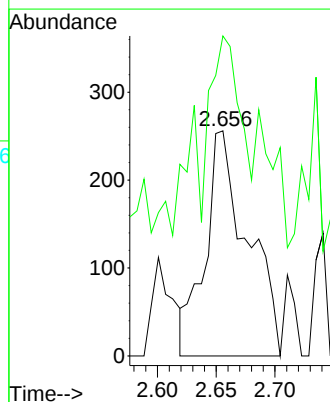
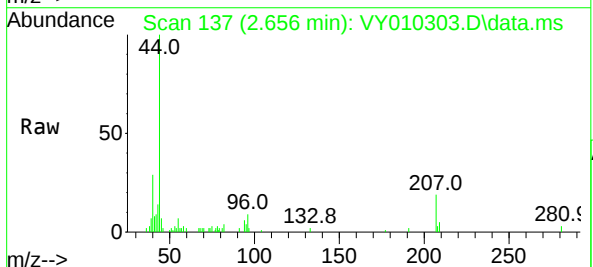
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12-13

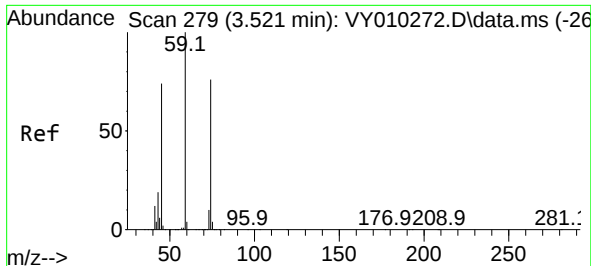
Tgt Ion:168 Resp: 277570
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.012 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

Tgt Ion: 94 Resp: 638
Ion Ratio Lower Upper
94 100
96 57.0 73.5 110.3#

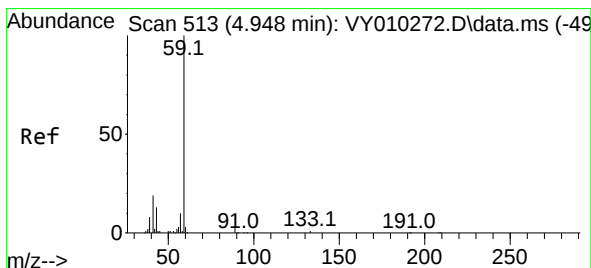
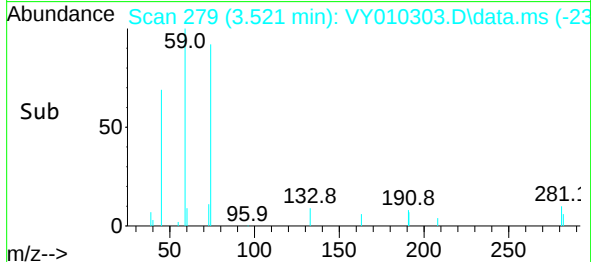
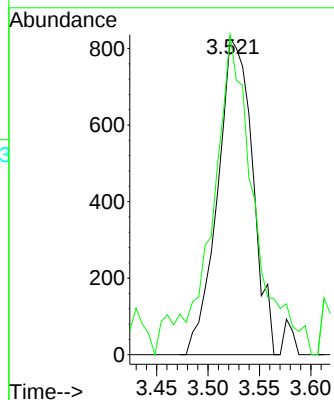
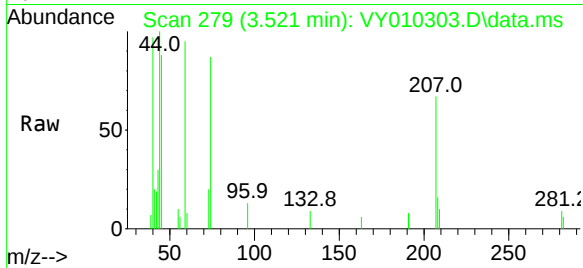




#8
Diethyl Ether
Concen: 1.188 ug/l
RT: 3.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

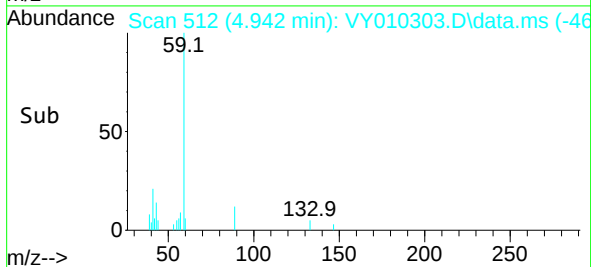
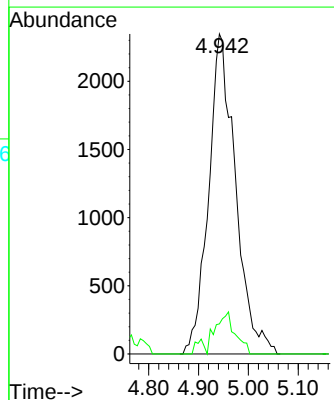
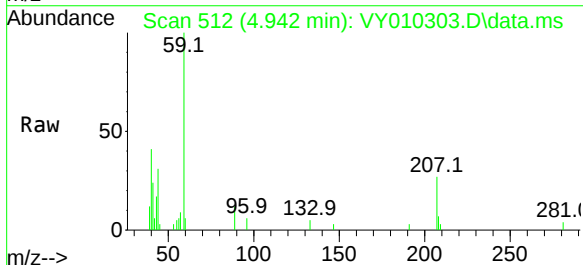
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12-13

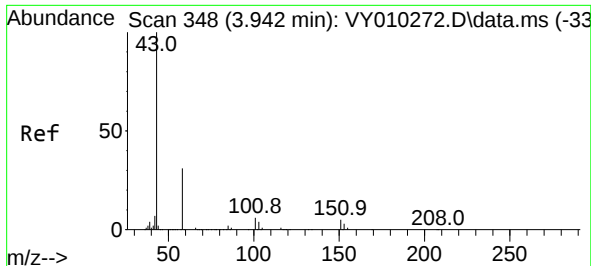
Tgt Ion: 74 Resp: 1962
Ion Ratio Lower Upper
74 100
45 114.1 55.1 165.5



#11
Tert butyl alcohol
Concen: 25.882 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

Tgt Ion: 59 Resp: 8813
Ion Ratio Lower Upper
59 100
57 9.6 6.4 9.6





#16

Acetone

Concen: 5.540 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010303.D

Acq: 03 Sep 2022 02:12

Instrument :

MSVOA_Y

ClientSampleId :

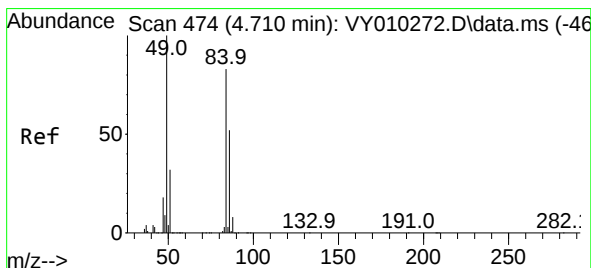
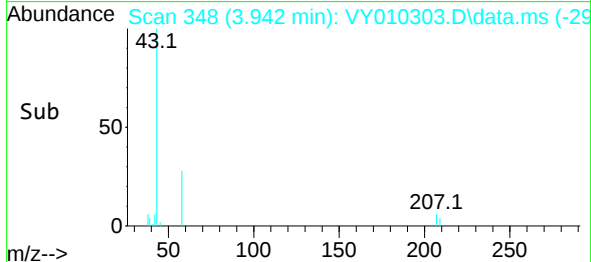
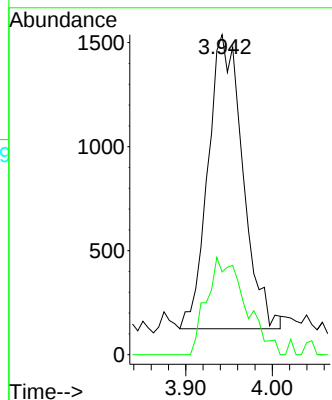
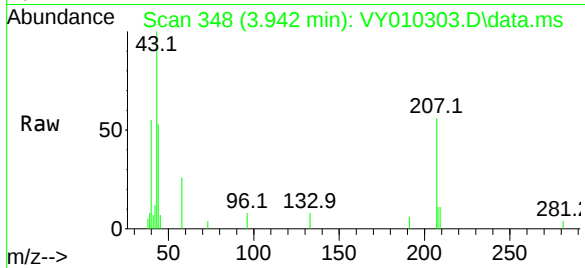
SB-04-12-13

Tgt Ion: 43 Resp: 3942

Ion Ratio Lower Upper

43 100

58 28.2 22.0 33.0



#20

Methylene Chloride

Concen: 11.764 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010303.D

Acq: 03 Sep 2022 02:12

Tgt Ion: 84 Resp: 40393

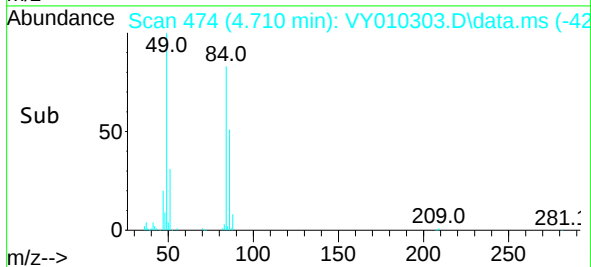
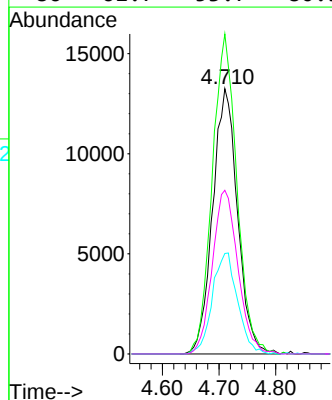
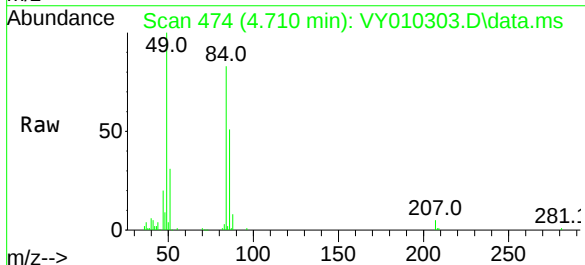
Ion Ratio Lower Upper

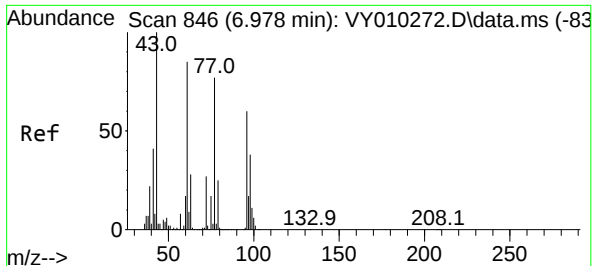
84 100

49 120.7 114.4 171.6

51 37.9 35.3 52.9

86 61.7 53.7 80.5





#25

2-Butanone

Concen: 1.547 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010303.D

Acq: 03 Sep 2022 02:12

Instrument :

MSVOA_Y

ClientSampleId :

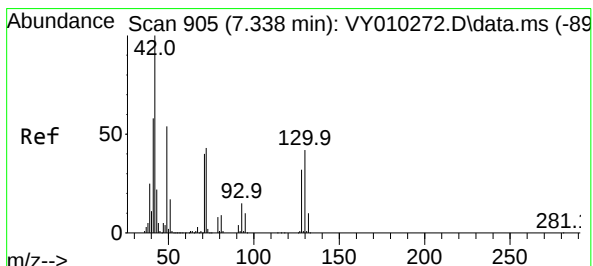
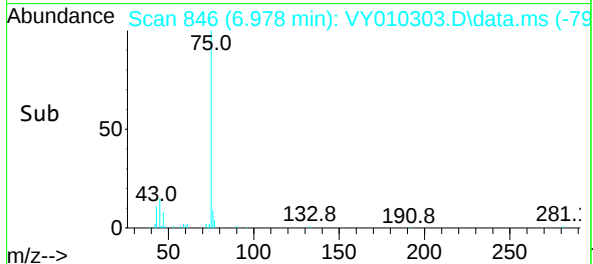
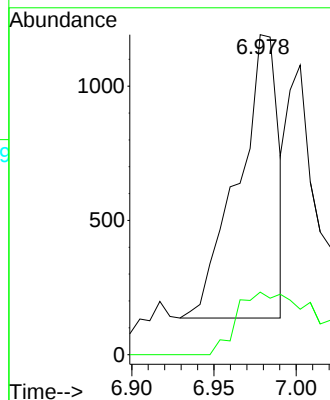
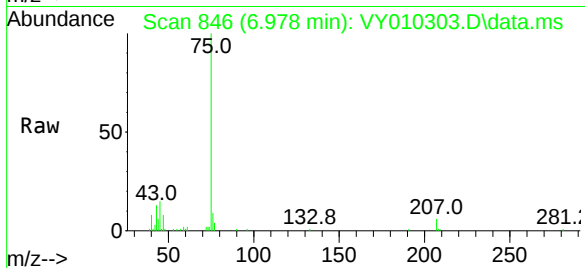
SB-04-12-13

Tgt Ion: 43 Resp: 1806

Ion Ratio Lower Upper

43 100

72 22.1 17.7 26.5



#29

Tetrahydrofuran

Concen: 1.275 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY010303.D

Acq: 03 Sep 2022 02:12

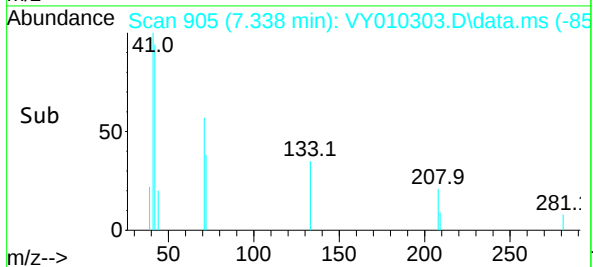
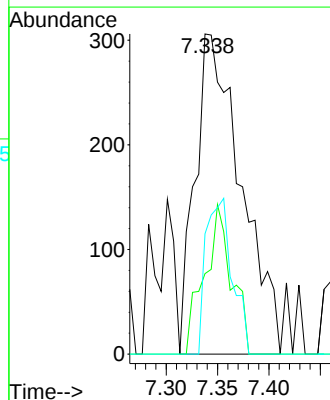
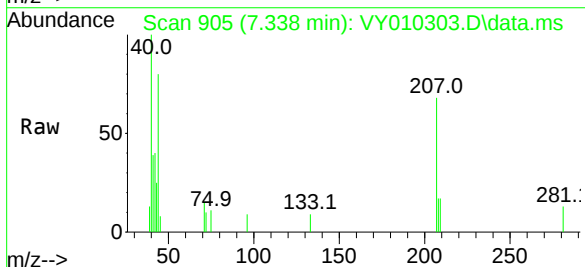
Tgt Ion: 42 Resp: 954

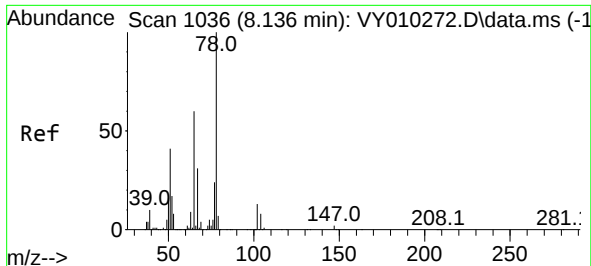
Ion Ratio Lower Upper

42 100

72 27.8 30.3 45.5#

71 27.7 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 55.801 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010303.D

Acq: 03 Sep 2022 02:12

Instrument :

MSVOA_Y

ClientSampleId :

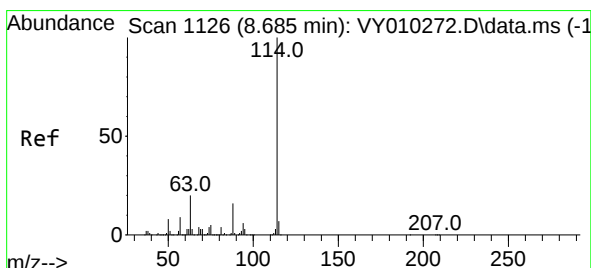
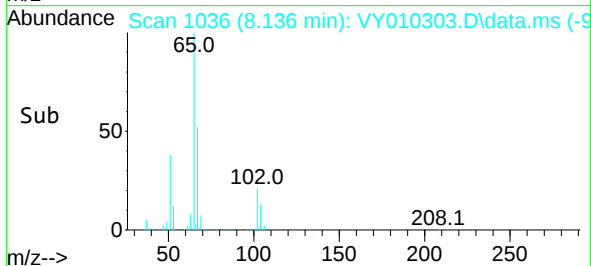
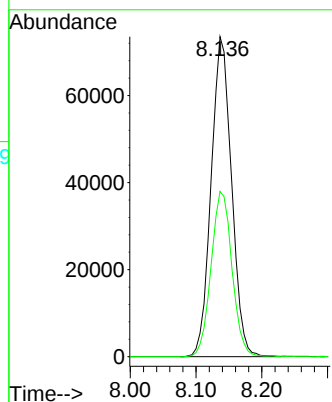
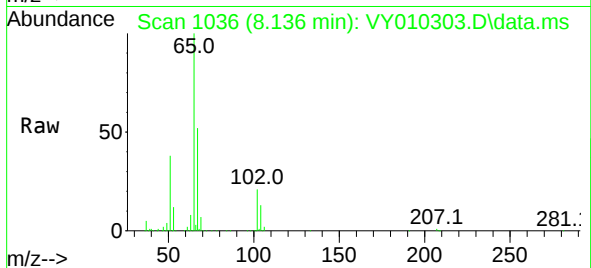
SB-04-12-13

Tgt Ion: 65 Resp: 158818

Ion Ratio Lower Upper

65 100

67 53.0 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: VY010303.D

Acq: 03 Sep 2022 02:12

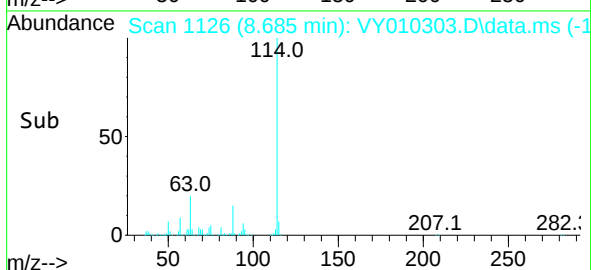
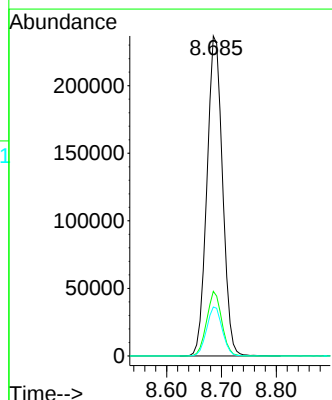
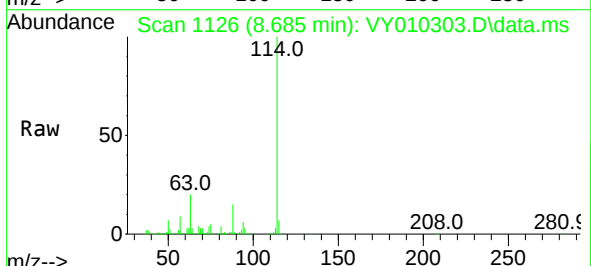
Tgt Ion: 114 Resp: 466232

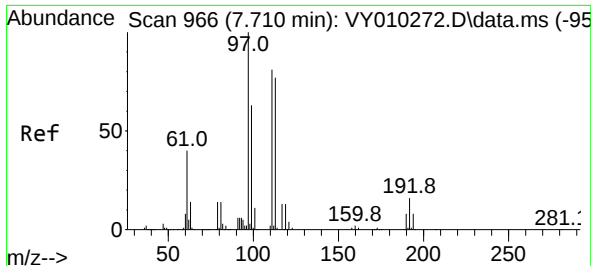
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.3 0.0 31.8

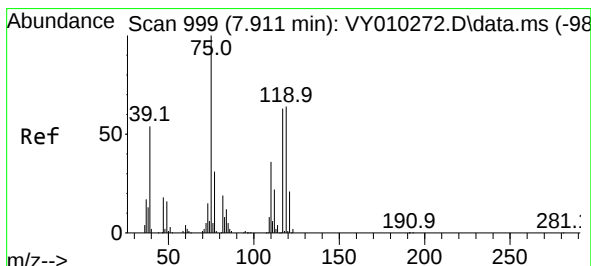
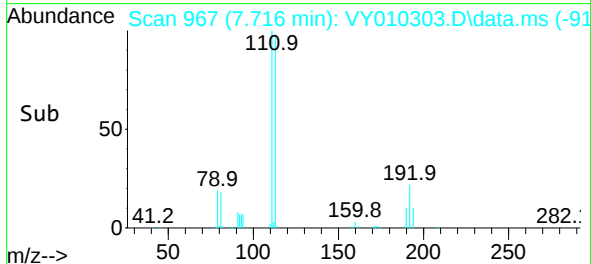
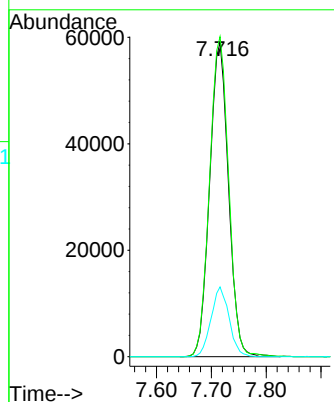
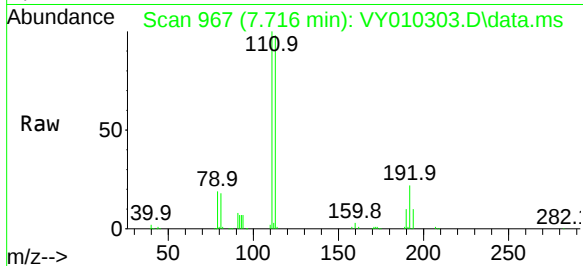




#35
Dibromofluoromethane
Concen: 45.302 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

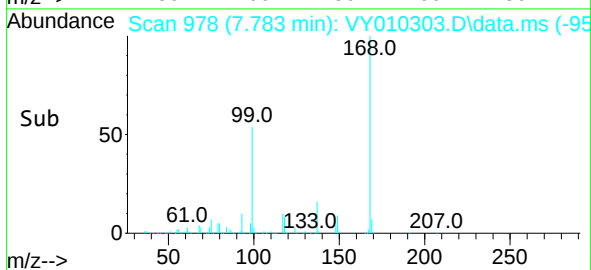
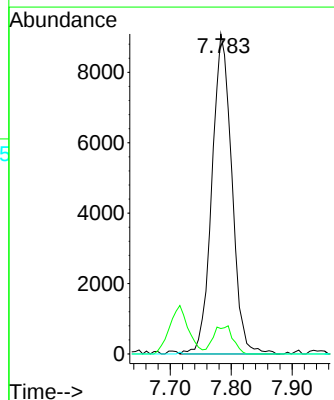
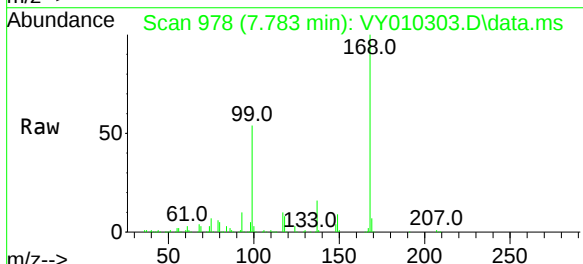
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SB-04-12-13

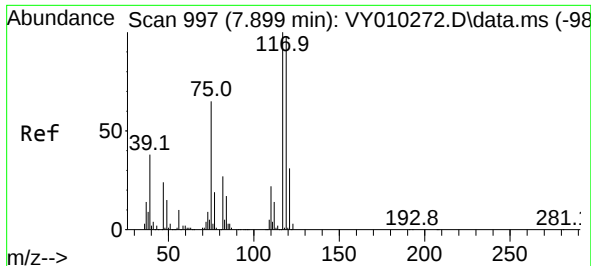
Tgt Ion:113 Resp: 140609
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 21.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.537 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

Tgt Ion: 75 Resp: 20660
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#

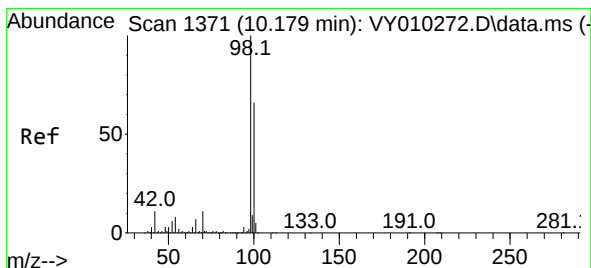
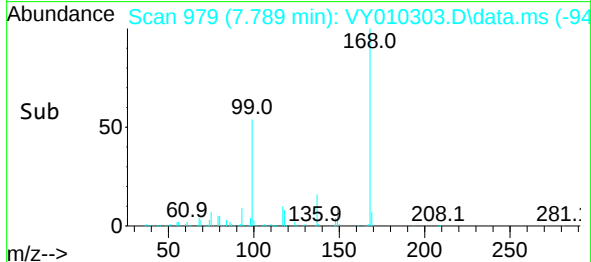
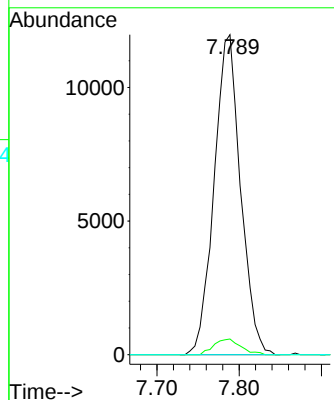
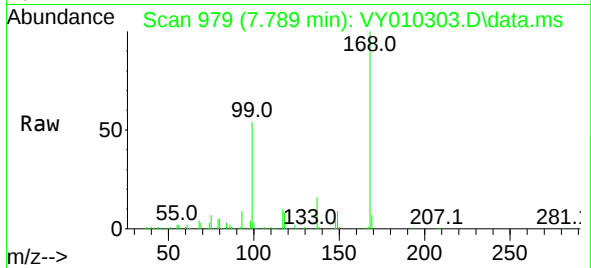




#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

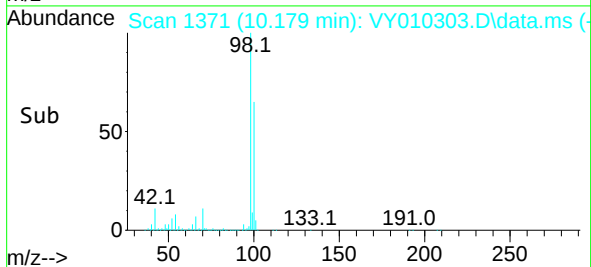
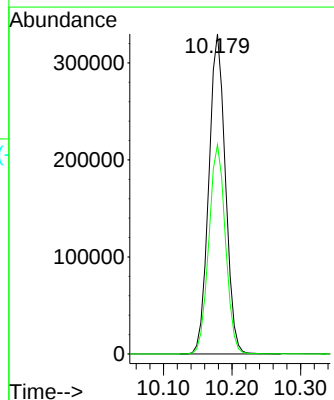
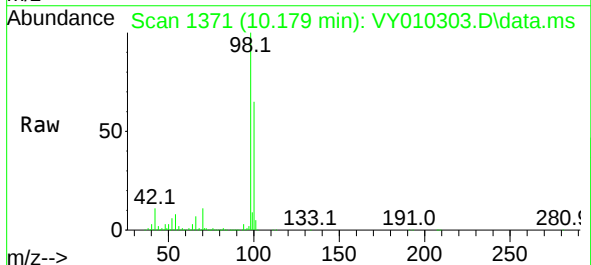
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12-13

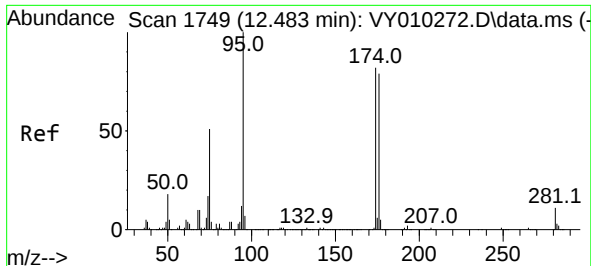
Tgt Ion:117 Resp: 26719
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.380 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

Tgt Ion: 98 Resp: 554698
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

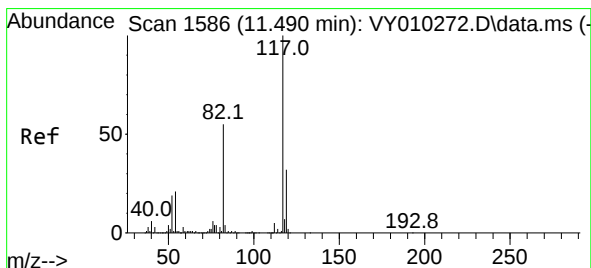
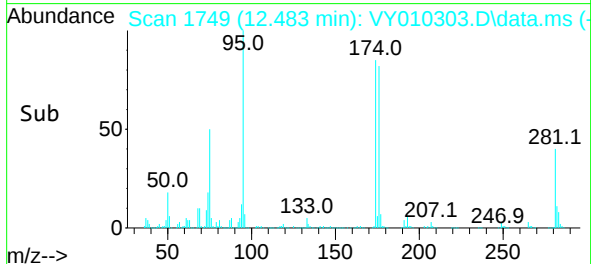
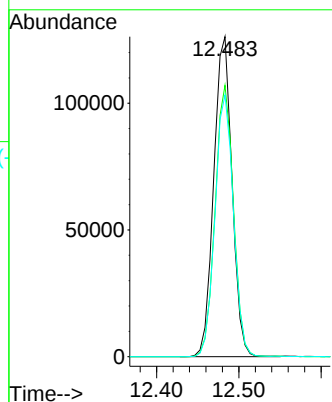
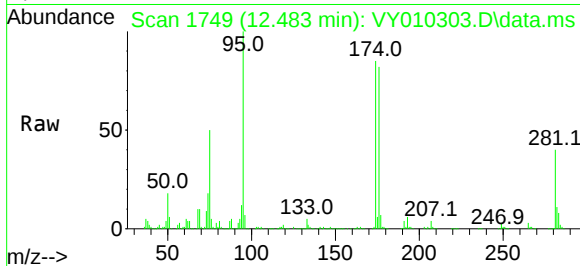




#62
4-Bromofluorobenzene
Concen: 46.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

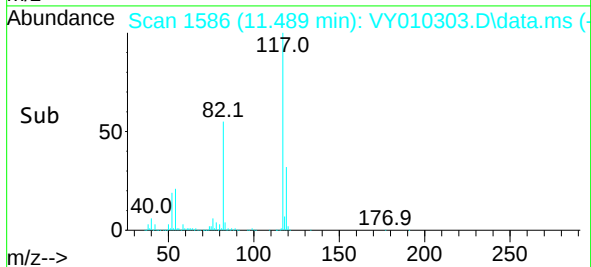
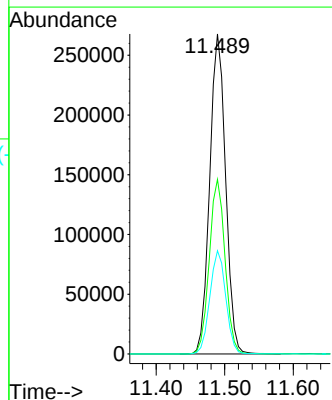
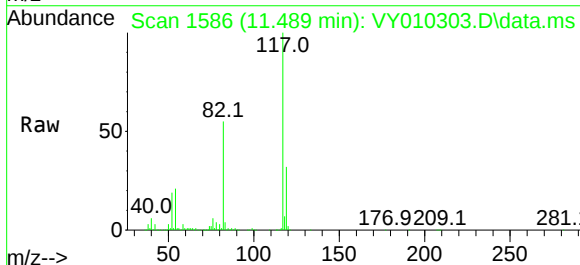
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12-13

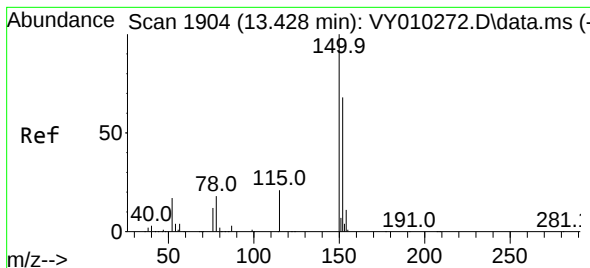
Tgt Ion: 95 Resp: 194607
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 82.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010303.D
Acq: 03 Sep 2022 02:12

Tgt Ion: 117 Resp: 432495
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.3 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: VY010303.D

Acq: 03 Sep 2022 02:12

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-12-13

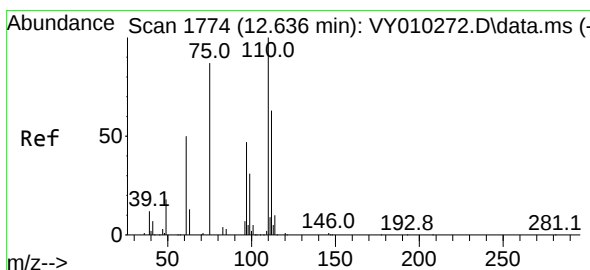
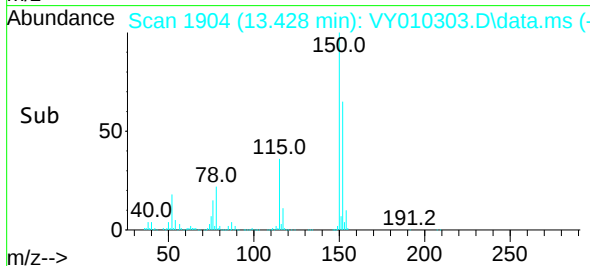
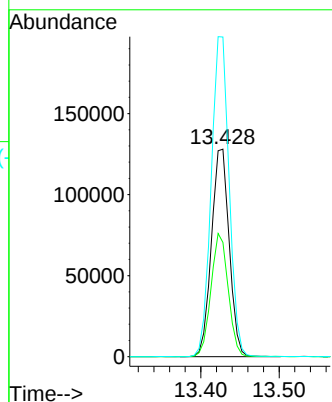
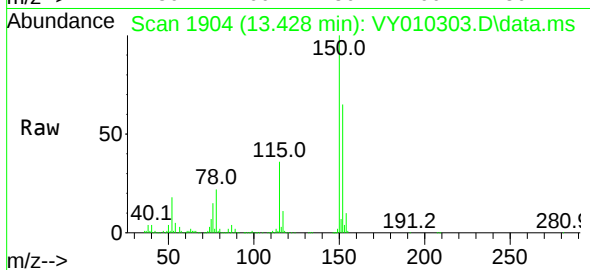
Tgt Ion:152 Resp: 201823

Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 154.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 42.150 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY010303.D

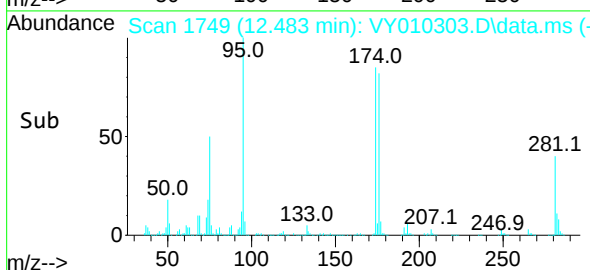
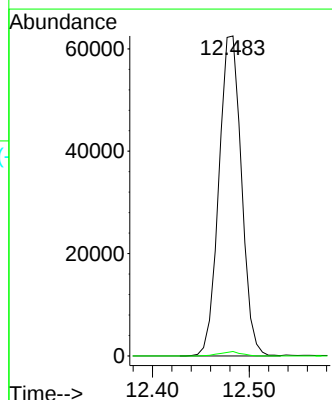
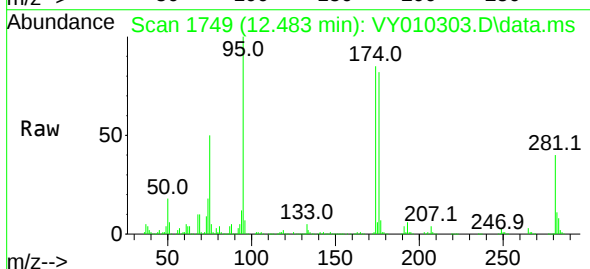
Acq: 03 Sep 2022 02:12

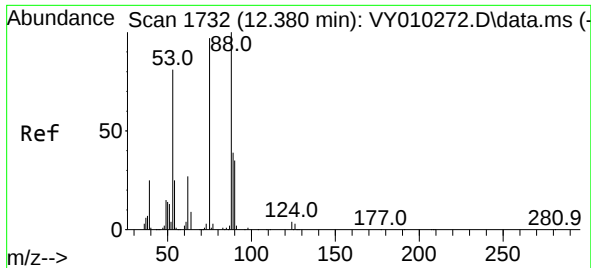
Tgt Ion: 75 Resp: 101236

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.931 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010303.D
 Acq: 03 Sep 2022 02:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-12-13

Tgt Ion: 75 Resp: 101236
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.7 37.0 55.4#

