

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050322\
 Data File : VY008596.D
 Acq On : 03 May 2022 16:52
 Operator : KP/MD
 Sample : N2618-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02

Quant Time: May 04 02:42:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

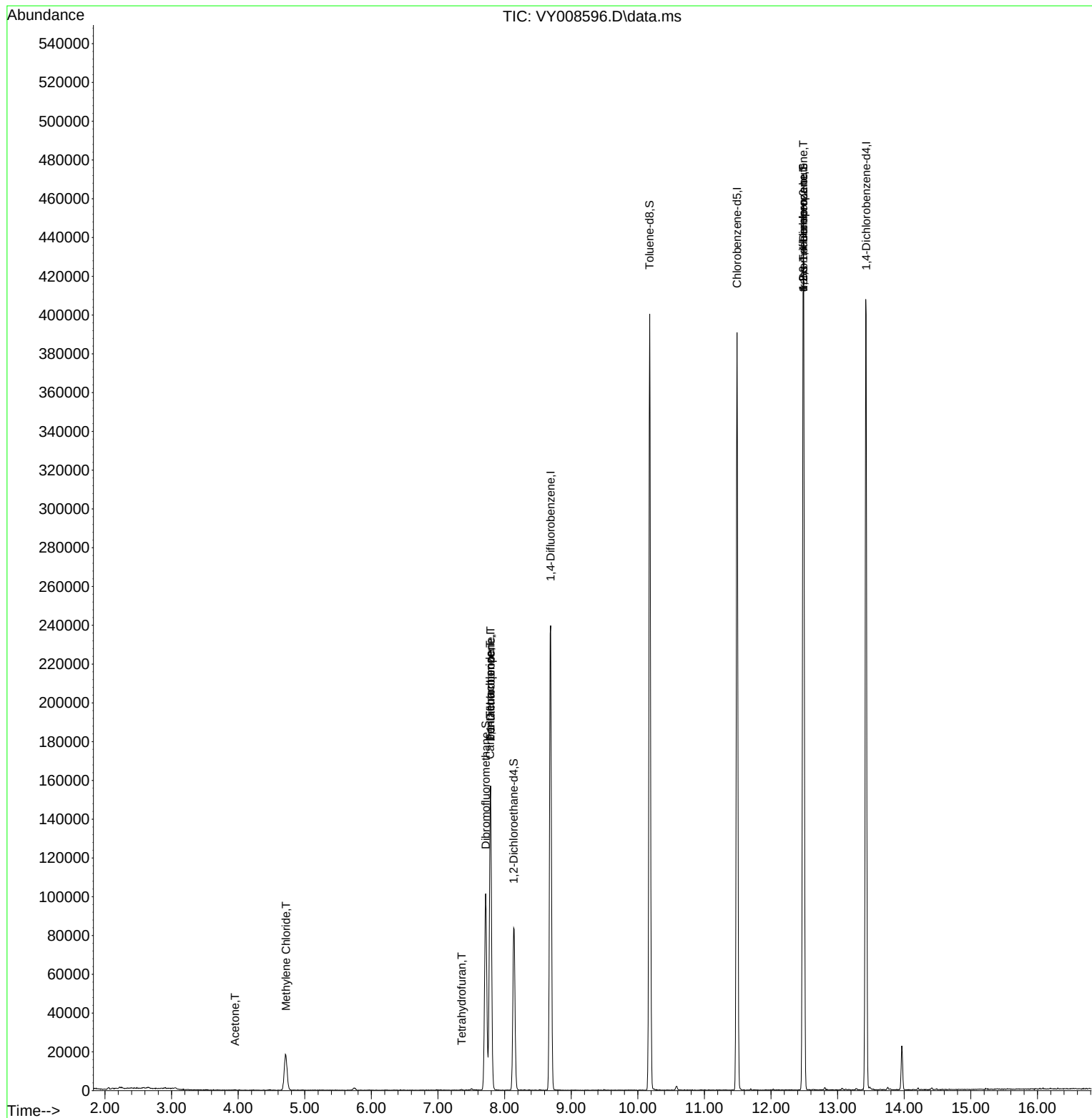
Internal Standards						
1) Pentafluorobenzene	7.789	168	133841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	228387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	230410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	66027	50.757	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.520%		
35) Dibromofluoromethane	7.716	113	72037	47.668	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 95.340%		
50) Toluene-d8	10.179	98	269279	50.295	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 100.580%		
62) 4-Bromofluorobenzene	12.483	95	98765	50.329	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 100.660%		
Target Compounds						
5) Bromomethane	2.662	94	41	Below Cal	Qvalue	84
11) Tert butyl alcohol	4.960	59	67	Below Cal	#	77
16) Acetone	3.954	43	344	1.227	ug/l #	47
18) Methyl Acetate	4.472	43	521	Below Cal	#	65
20) Methylene Chloride	4.716	84	15698	3.845	ug/l #	74
29) Tetrahydrofuran	7.356	42	337	1.129	ug/l #	60
36) 1,1-Dichloropropene	7.789	75	8576	3.649	ug/l #	50
38) Carbon Tetrachloride	7.783	117	11960	4.461	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	49153	39.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49153	80.618	ug/l #	8

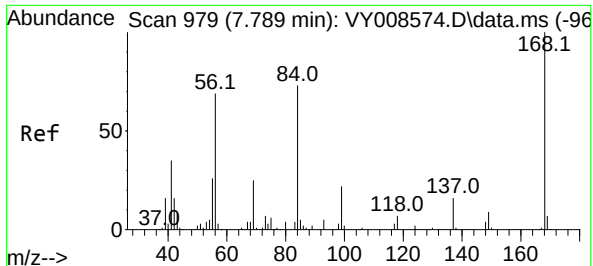
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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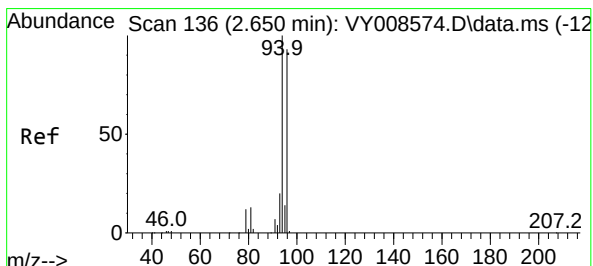
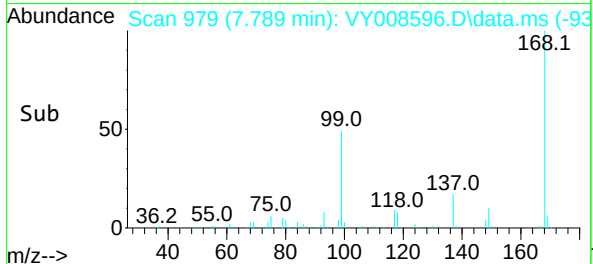
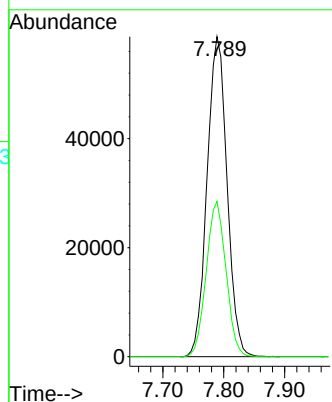
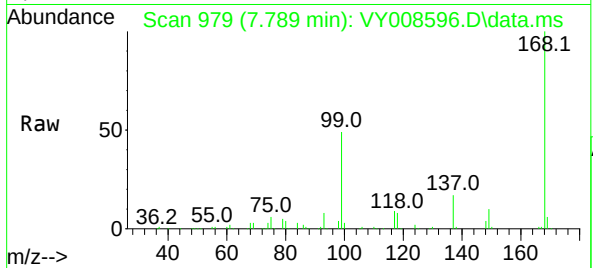




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

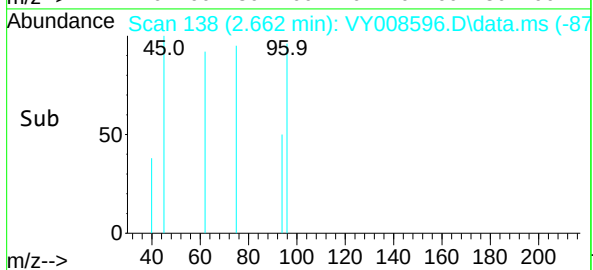
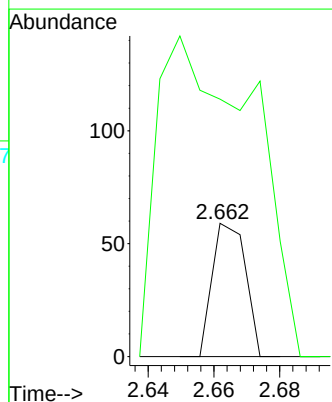
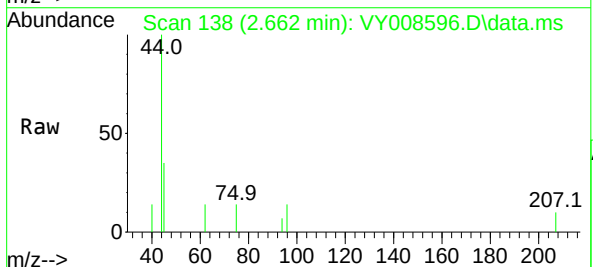
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

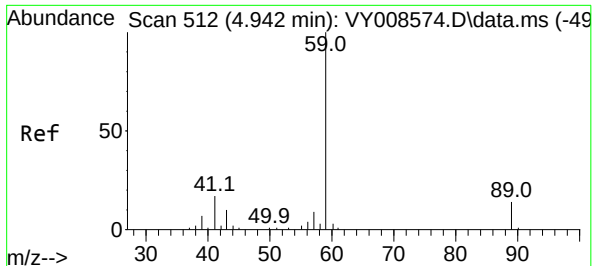
Tgt Ion:168 Resp: 133841
Ion Ratio Lower Upper
168 100
99 48.6 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 106.8 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

Instrument :

MSVOA_Y

ClientSampleId :

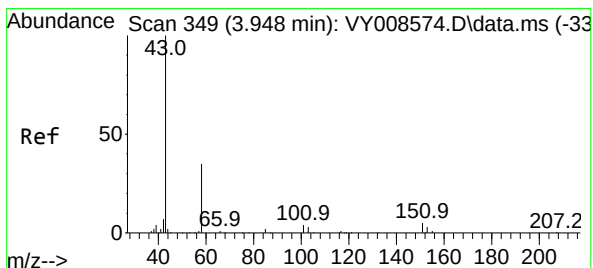
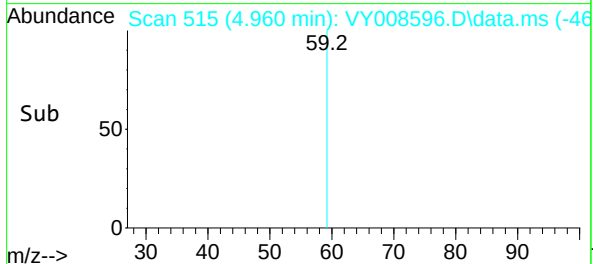
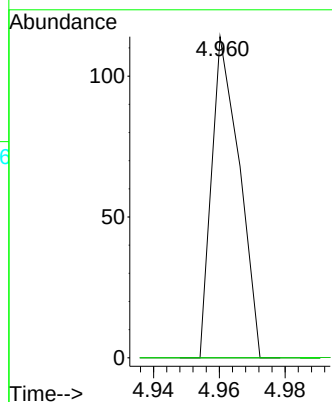
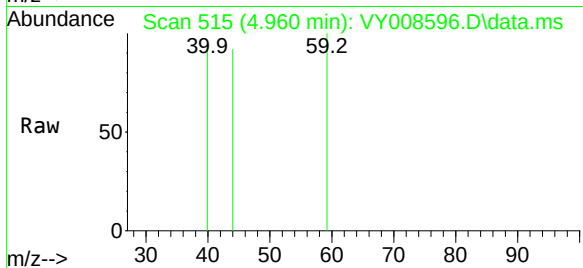
SB-02

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.227 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008596.D

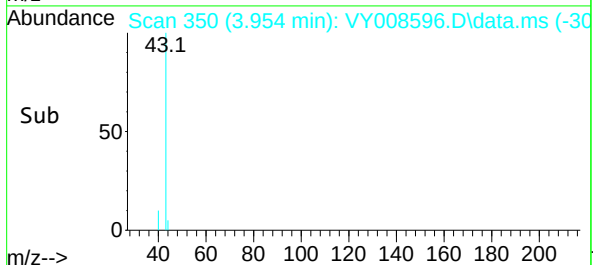
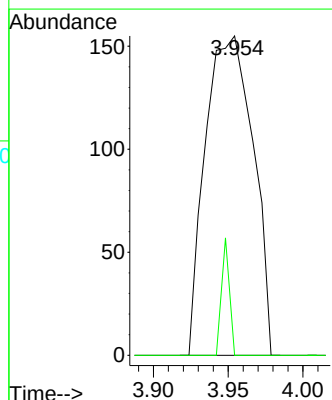
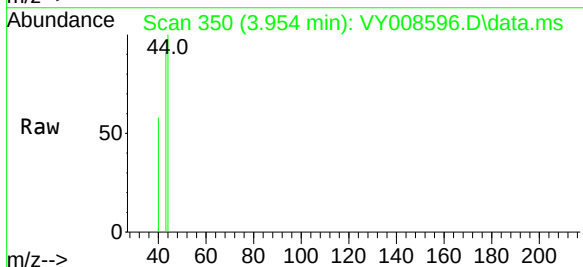
Acq: 03 May 2022 16:52

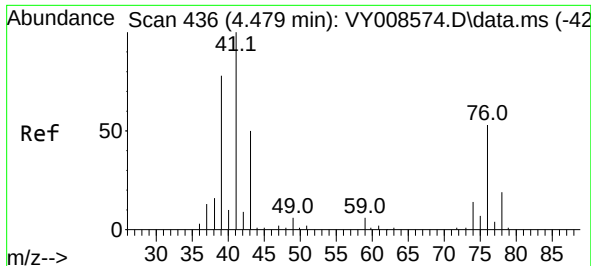
Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

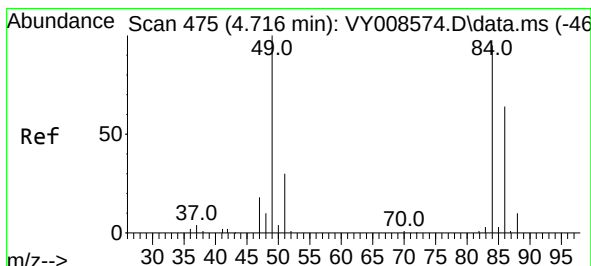
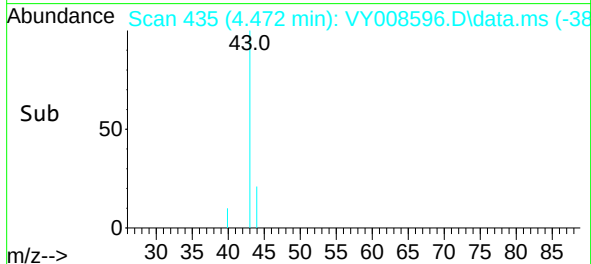
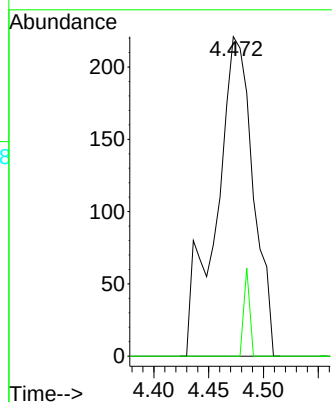
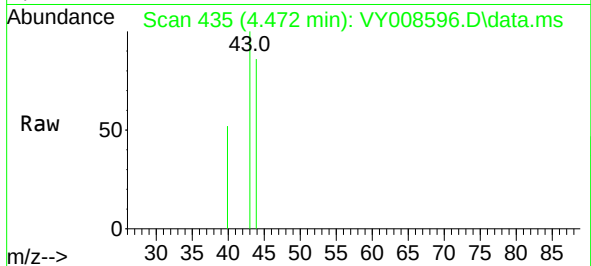




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

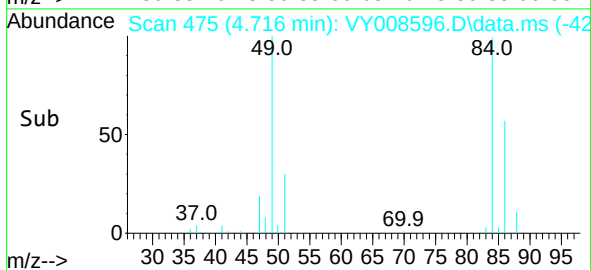
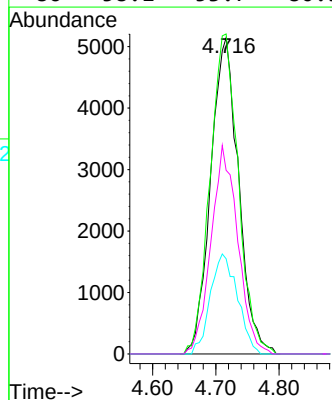
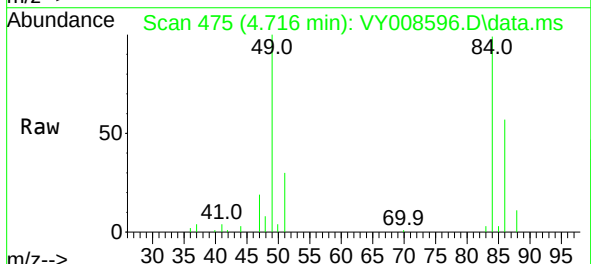
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

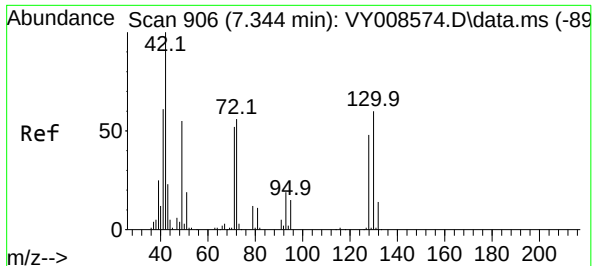
Tgt Ion: 43 Resp: 521
Ion Ratio Lower Upper
43 100
74 4.2 16.6 24.8#



#20
Methylene Chloride
Concen: 3.845 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

Tgt Ion: 84 Resp: 15698
Ion Ratio Lower Upper
84 100
49 101.2 114.4 171.6#
51 30.1 35.3 52.9#
86 58.1 53.7 80.5





#29

Tetrahydrofuran

Concen: 1.129 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-02

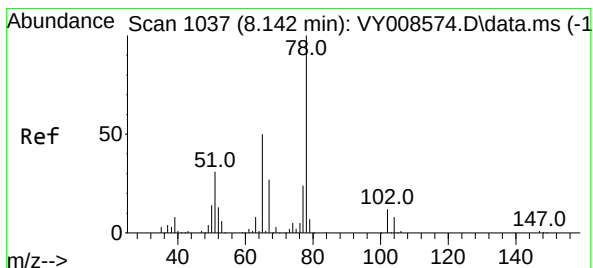
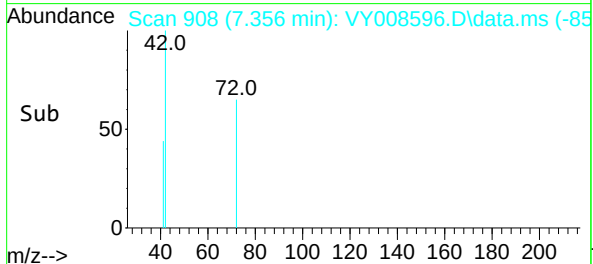
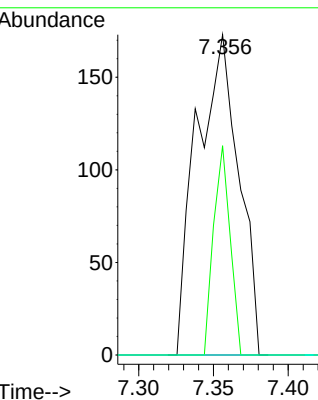
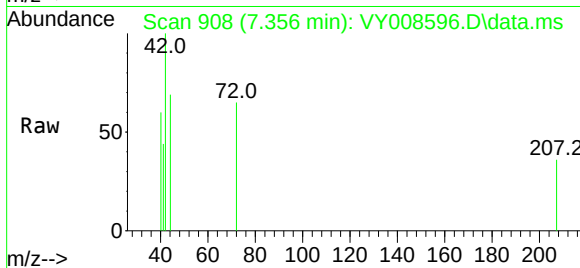
Tgt Ion: 42 Resp: 337

Ion Ratio Lower Upper

42 100

72 25.8 30.3 45.5#

71 0.0 29.0 43.4#



#33

1,2-Dichloroethane-d4

Concen: 50.757 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008596.D

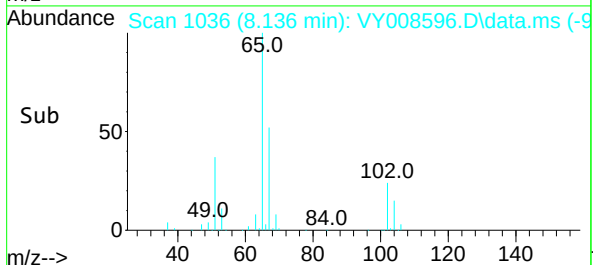
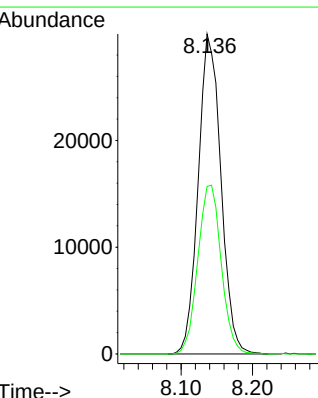
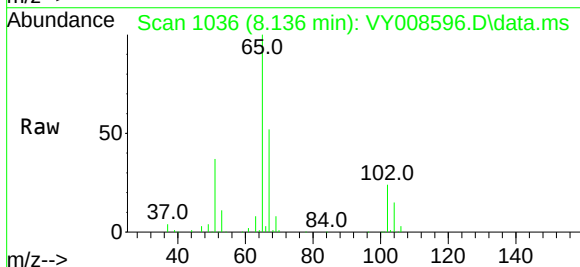
Acq: 03 May 2022 16:52

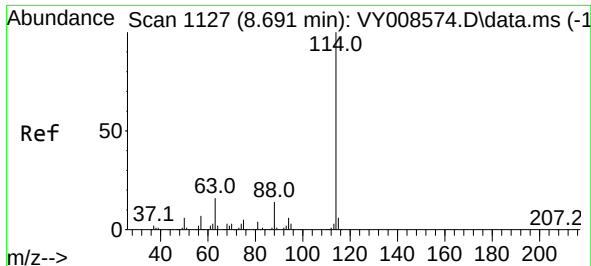
Tgt Ion: 65 Resp: 66027

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-02

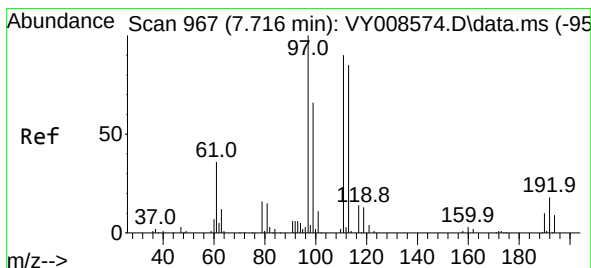
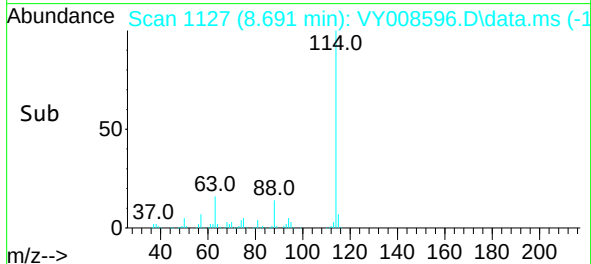
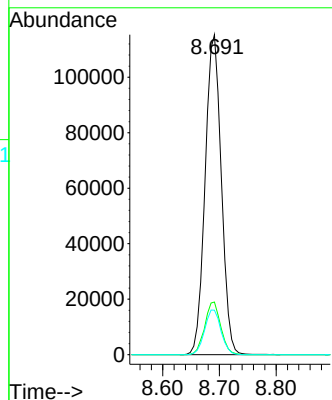
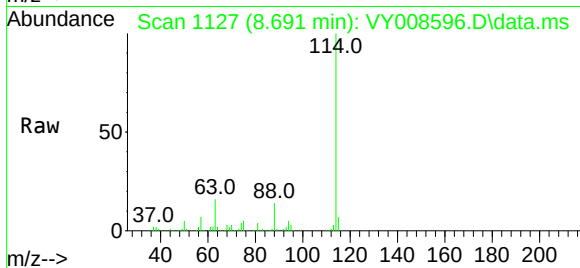
Tgt Ion:114 Resp: 228387

Ion Ratio Lower Upper

114 100

63 16.4 0.0 43.2

88 13.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.668 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

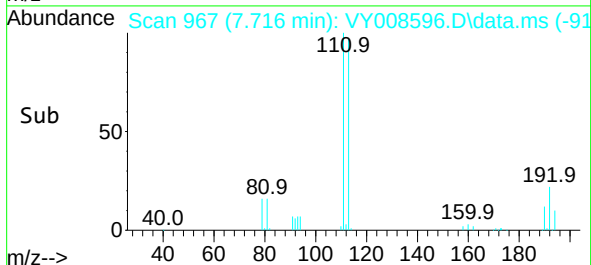
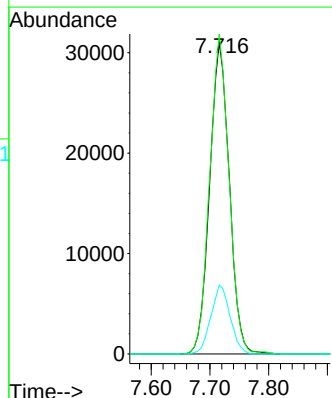
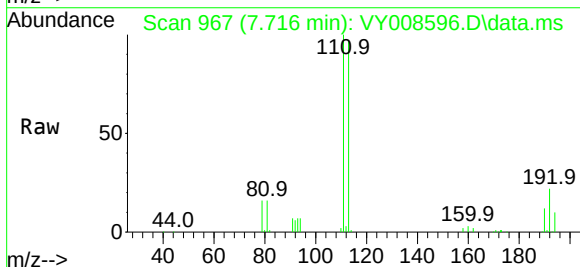
Tgt Ion:113 Resp: 72037

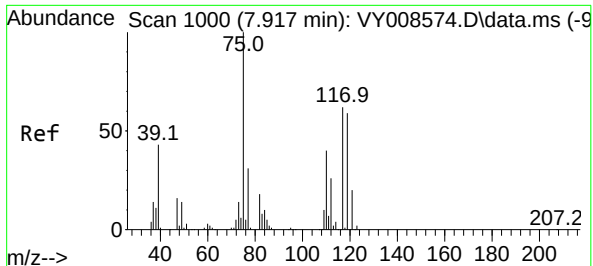
Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 21.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.649 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

Instrument :

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ClientSampleId :

SB-02

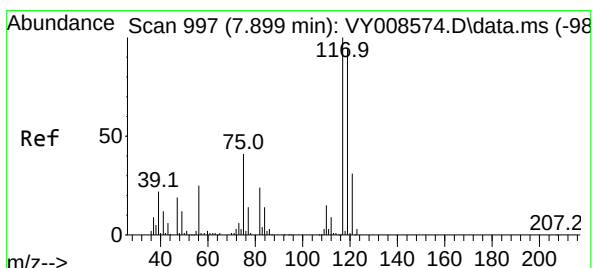
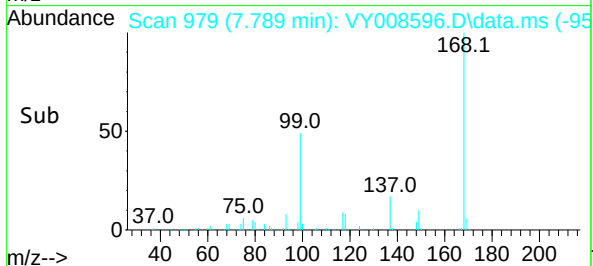
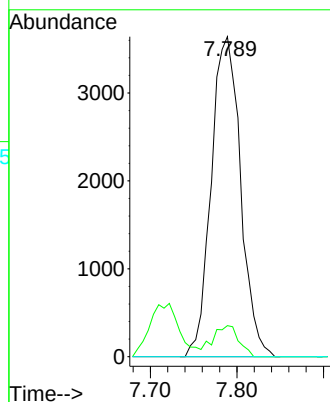
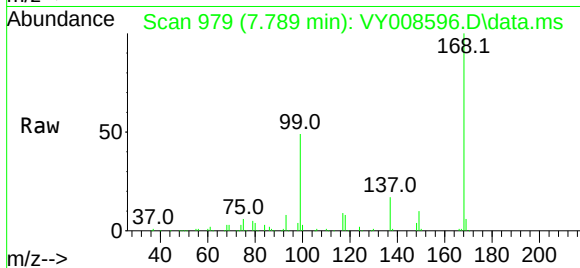
Tgt Ion: 75 Resp: 8576

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.461 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

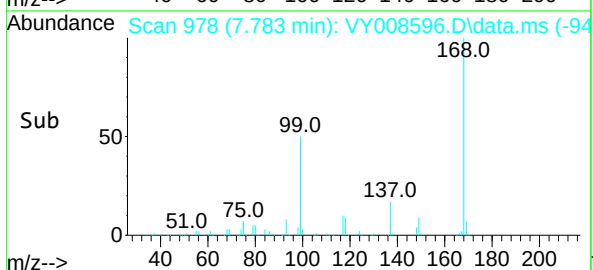
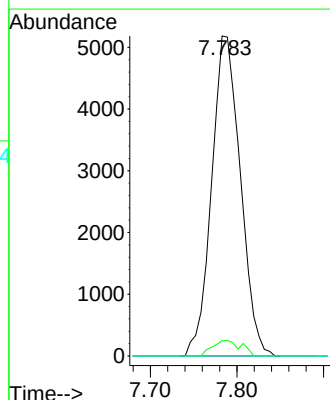
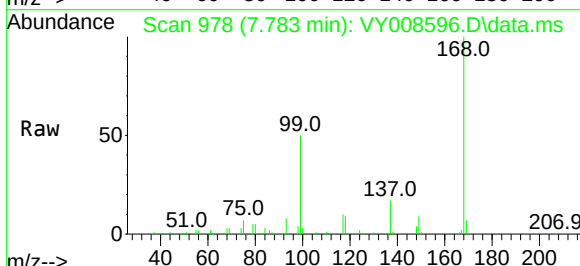
Tgt Ion: 117 Resp: 11960

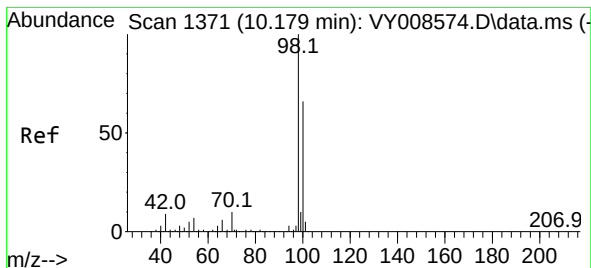
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 50.295 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

Instrument :

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ClientSampleId :

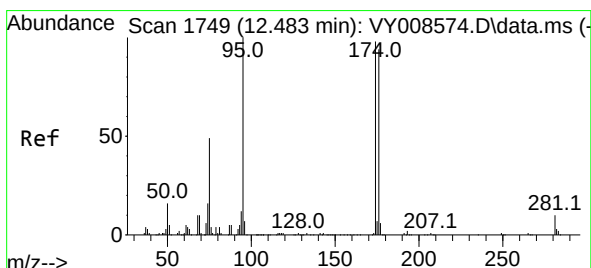
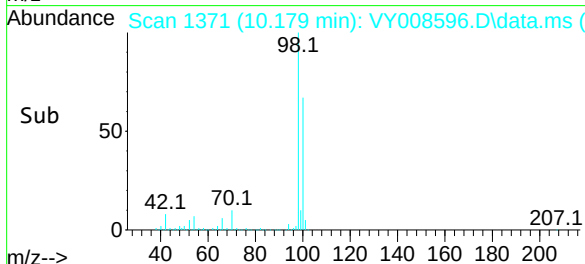
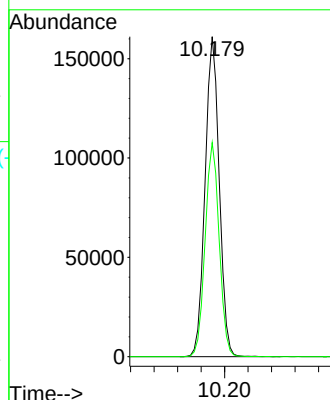
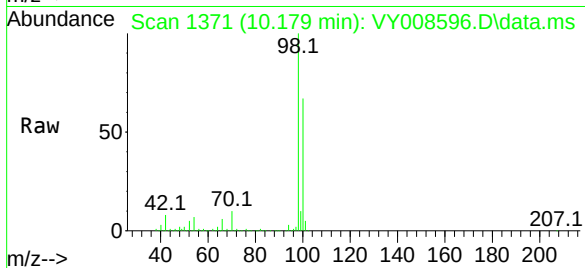
SB-02

Tgt Ion: 98 Resp: 269279

Ion Ratio Lower Upper

98 100

100 66.3 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 50.329 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008596.D

Acq: 03 May 2022 16:52

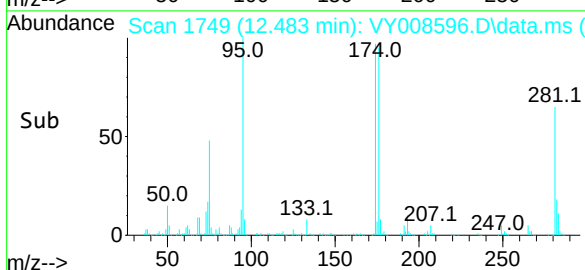
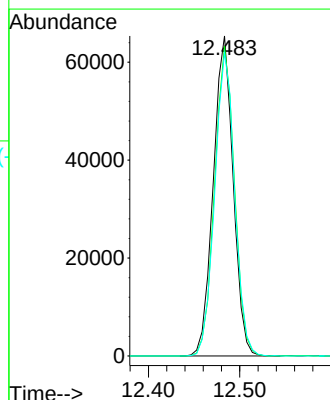
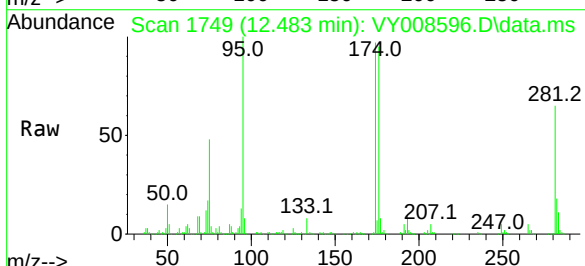
Tgt Ion: 95 Resp: 98765

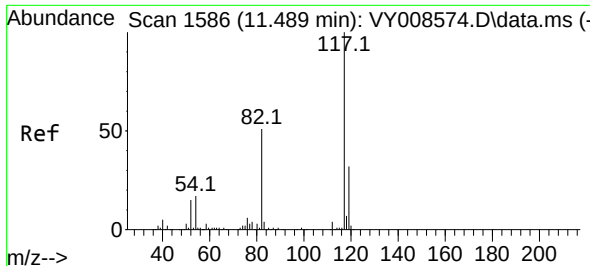
Ion Ratio Lower Upper

95 100

174 96.8 0.0 177.0

176 95.2 0.0 175.8

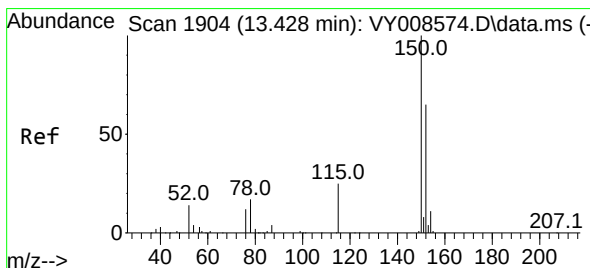
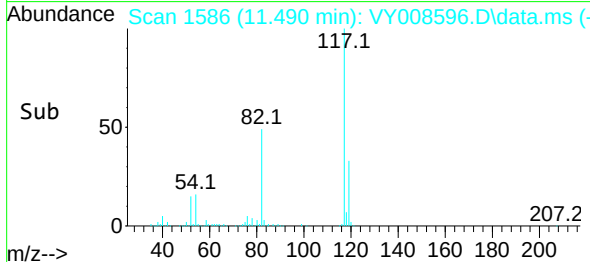
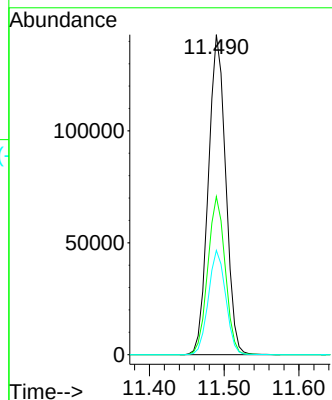
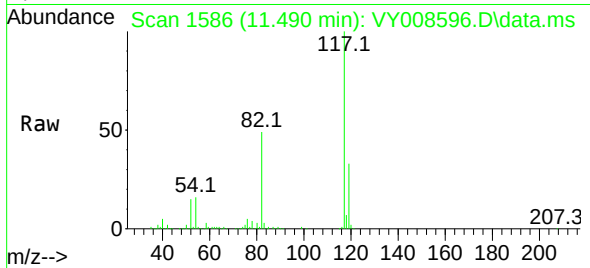




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

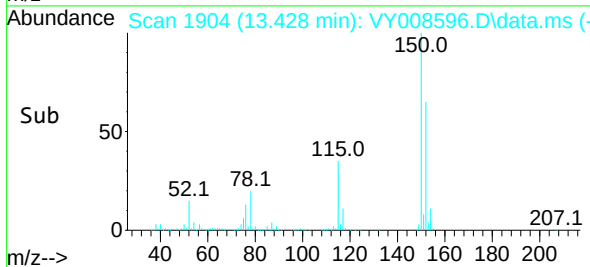
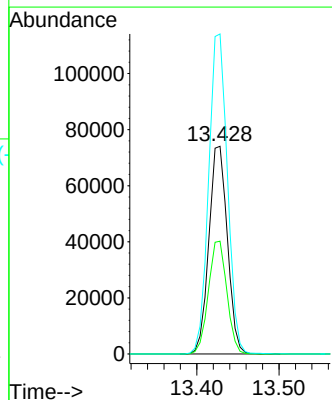
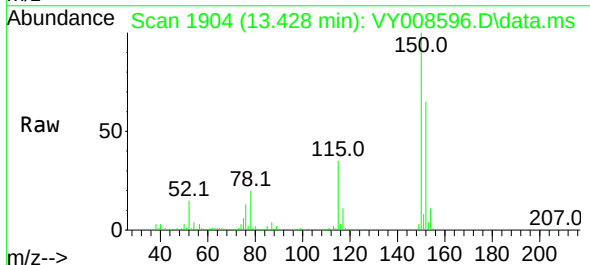
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

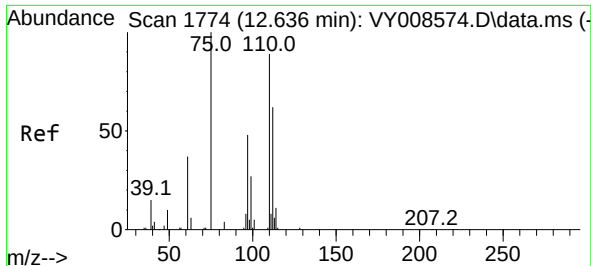
Tgt Ion:117 Resp: 230410
Ion Ratio Lower Upper
117 100
82 49.4 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

Tgt Ion:152 Resp: 115798
Ion Ratio Lower Upper
152 100
115 54.2 28.2 84.7
150 155.8 0.0 347.6

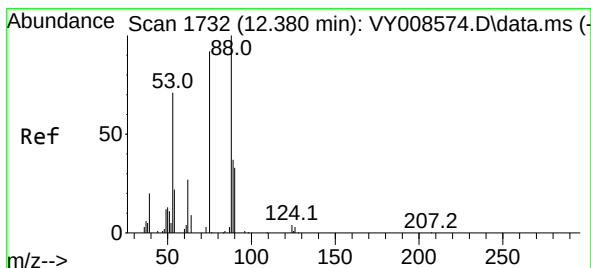
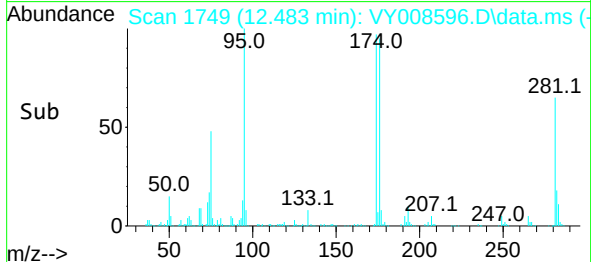
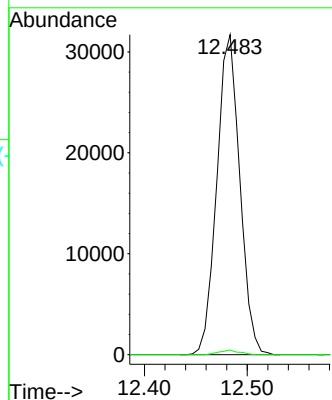
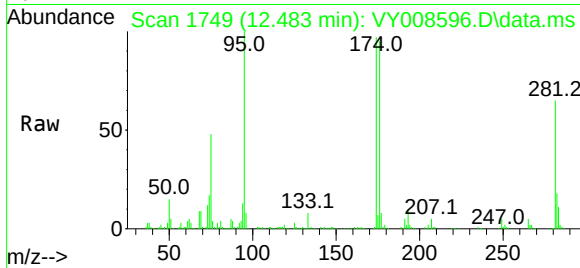




#76
1,2,3-Trichloropropane
Concen: 39.764 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 75 Resp: 49153
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.618 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008596.D
Acq: 03 May 2022 16:52

Tgt Ion: 75 Resp: 49153
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.2 37.0 55.4#

