

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080521\
 Data File : VY005558.D
 Acq On : 05 Aug 2021 16:12
 Operator : SY/MD
 Sample : M3297-01
 Misc : 1.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 06 04:40:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

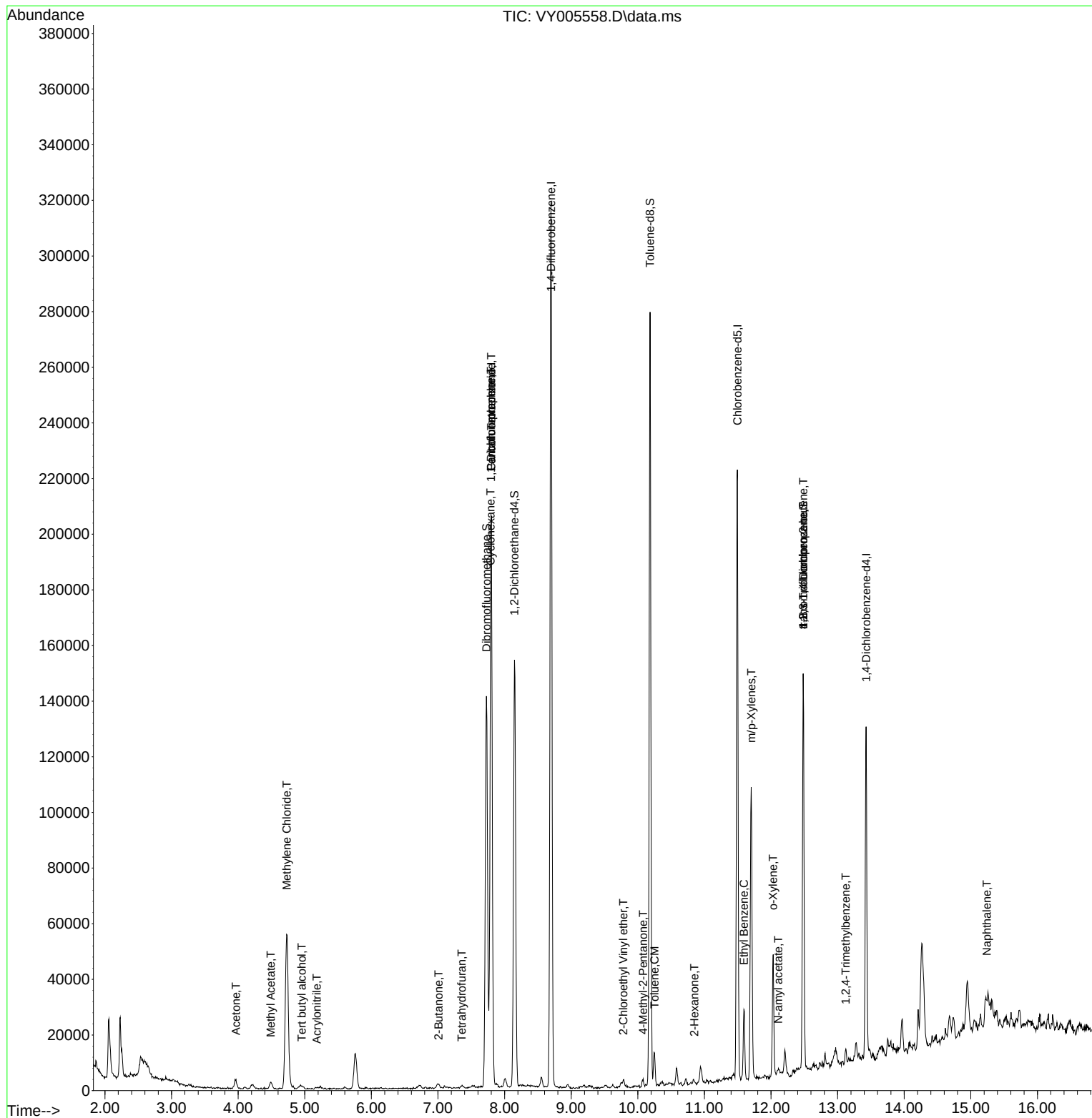
Internal Standards						
1) Pentafluorobenzene	7.801	168	166104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	265336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	122066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	124519	74.057	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 148.120%			
35) Dibromofluoromethane	7.728	113	98206	66.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.220%			
50) Toluene-d8	10.185	98	179297	28.778	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 57.560%			
62) 4-Bromofluorobenzene	12.483	95	39757	19.270	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 38.540%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	1241	7.466	ug/l #	73
15) Acrylonitrile	5.180	53	491	1.050	ug/l #	47
16) Acetone	3.966	43	5470	12.903	ug/l	95
18) Methyl Acetate	4.491	43	4472	4.034	ug/l	100
20) Methylene Chloride	4.728	84	42759	22.058	ug/l	97
25) 2-Butanone	7.008	43	1681	2.683	ug/l	96
29) Tetrahydrofuran	7.356	42	561	1.354	ug/l #	83
31) Cyclohexane	7.789	56	4032	1.398	ug/l #	26
36) 1,1-Dichloropropene	7.795	75	11989	4.817	ug/l #	49
38) Carbon Tetrachloride	7.801	117	14424	5.333	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	2011	1.338	ug/l	93
52) Toluene	10.252	92	4944	1.088	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.782	63	1192	1.168	ug/l	93
59) 2-Hexanone	10.849	43	1421	1.337	ug/l	71
67) Ethyl Benzene	11.593	91	17169	3.855	ug/l	94
68) m/p-Xylenes	11.703	106	32096	18.552	ug/l	96
69) o-Xylene	12.032	106	11083	6.665	ug/l	96
74) N-amyl acetate	12.111	43	1258	1.920	ug/l #	58
76) 1,2,3-Trichloropropane	12.483	75	21358	66.083	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	21358	133.216	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	3055	1.714	ug/l	92
95) Naphthalene	15.239	128	2090	1.674	ug/l #	71

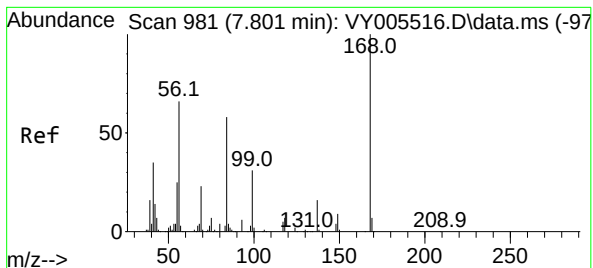
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 03 04:52:05 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY005558.D

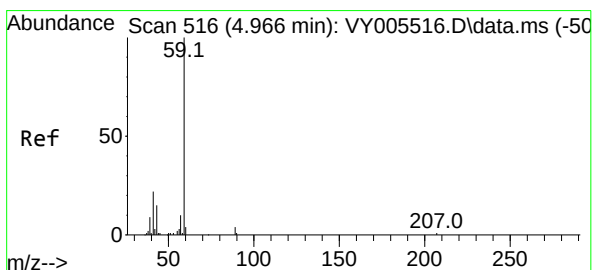
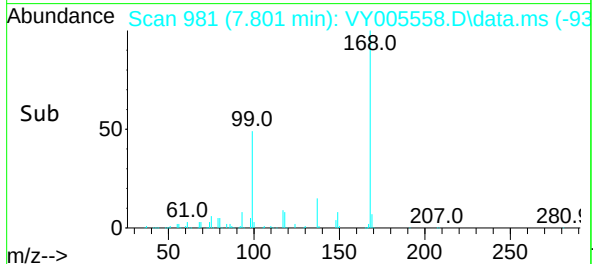
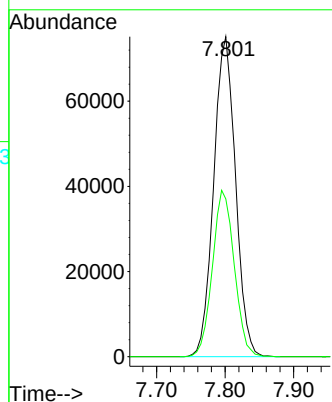
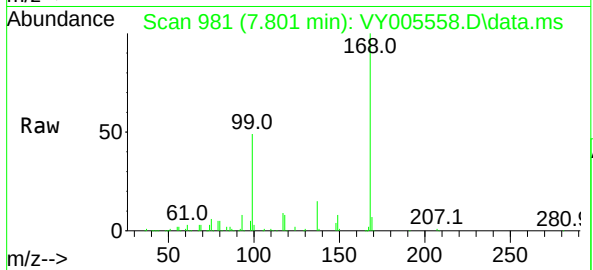
Acq: 05 Aug 2021 16:12

Tgt Ion:168 Resp: 166104

Ion Ratio Lower Upper

168 100

99 49.3 38.9 58.3



#11

Tert butyl alcohol

Concen: 7.466 ug/l

RT: 4.954 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY005558.D

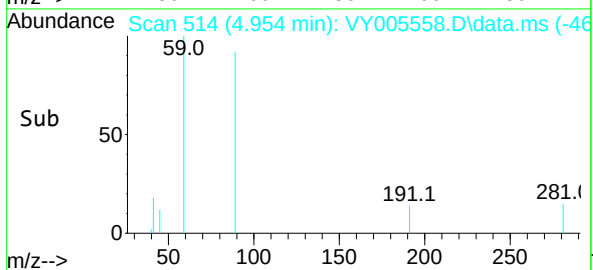
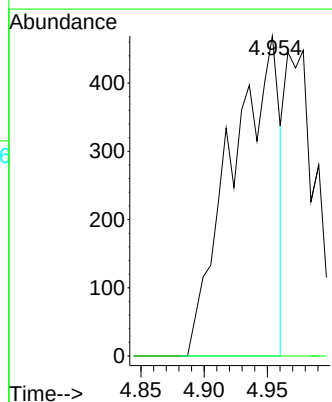
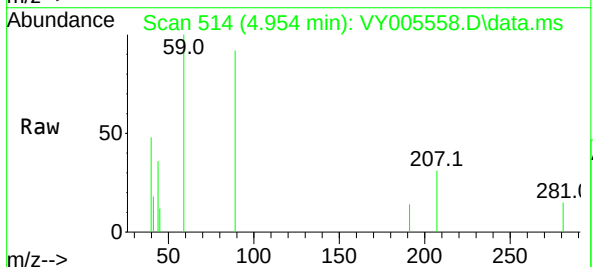
Acq: 05 Aug 2021 16:12

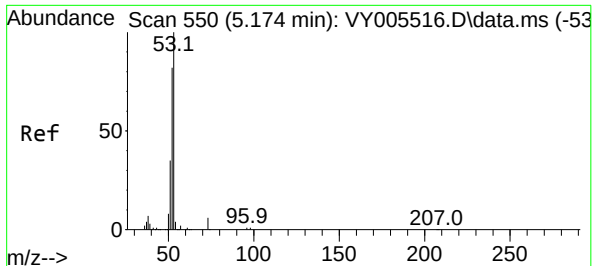
Tgt Ion: 59 Resp: 1241

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#15

Acrylonitrile

Concen: 1.050 ug/l

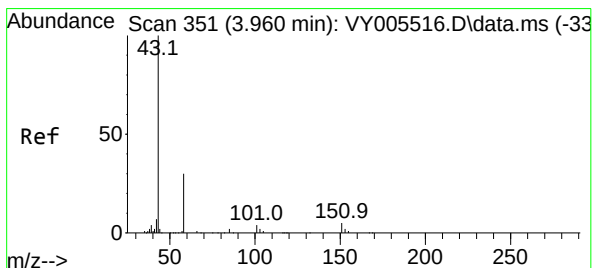
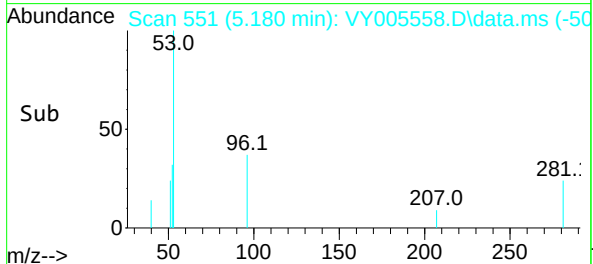
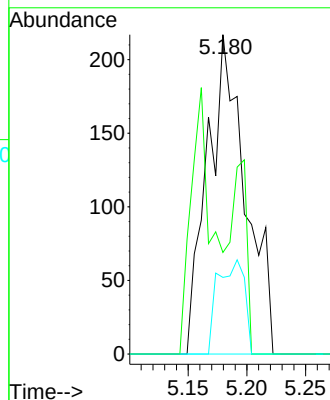
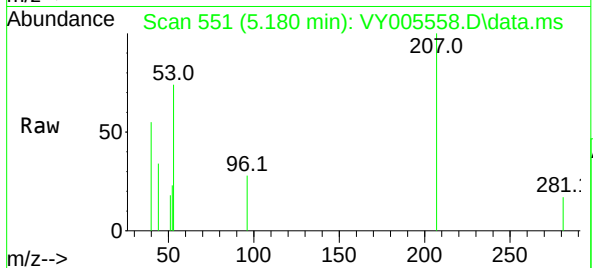
RT: 5.180 min Scan# 551

Delta R.T. 0.006 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion: 53	Resp: 491
Ion Ratio	Lower Upper
53 100	
52 25.1	66.6 99.8#
51 20.6	29.9 44.9#



#16

Acetone

Concen: 12.903 ug/l

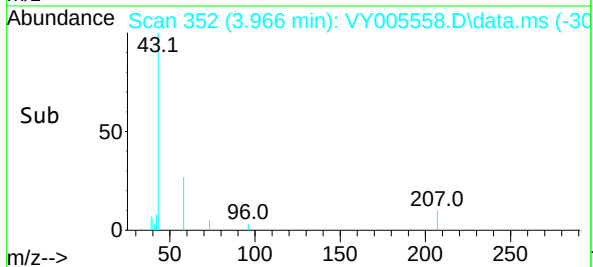
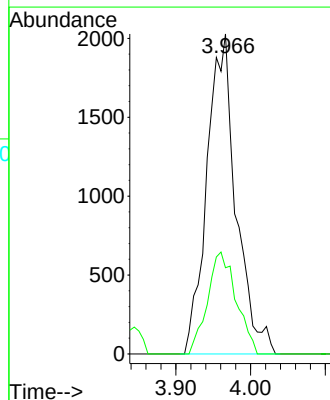
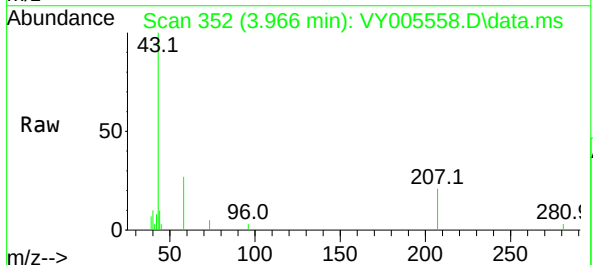
RT: 3.966 min Scan# 352

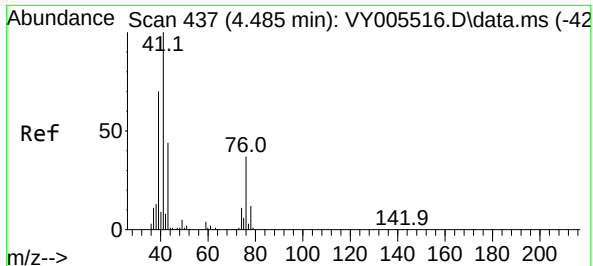
Delta R.T. 0.006 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion: 43	Resp: 5470		
Ion Ratio	Lower	Upper	
43 100			
58 26.9	23.8	35.6	

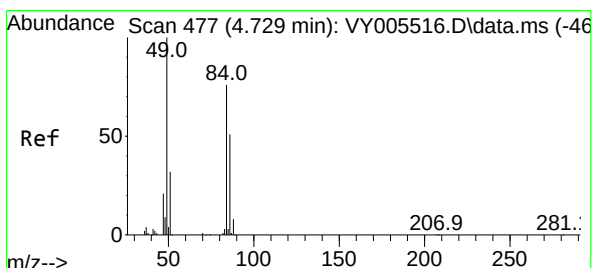
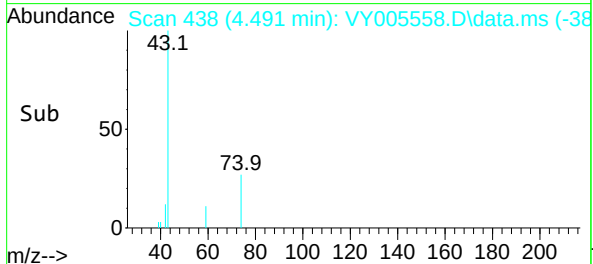
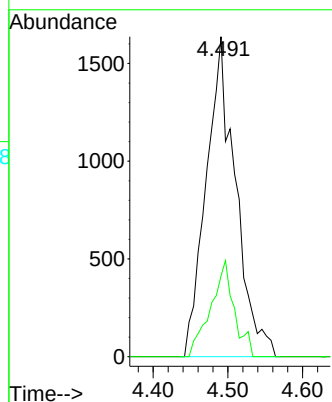
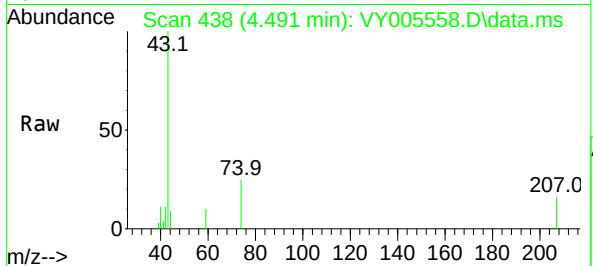




#18
Methyl Acetate
Concen: 4.034 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

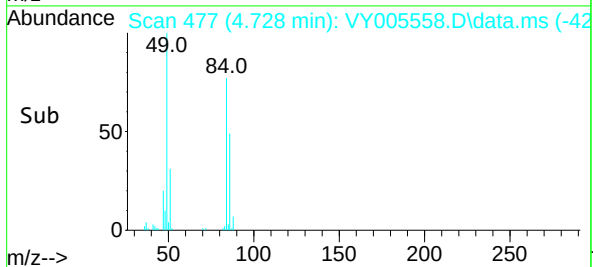
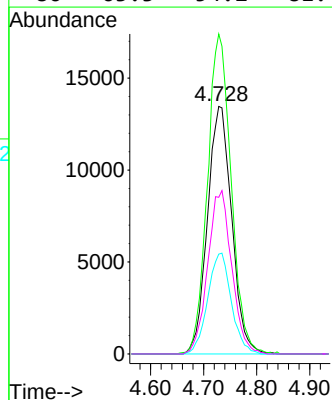
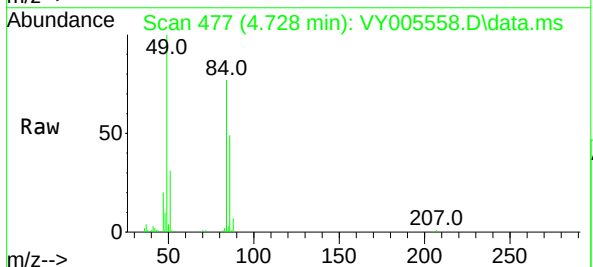
Instrument :
MSVOA_Y
ClientSampled :

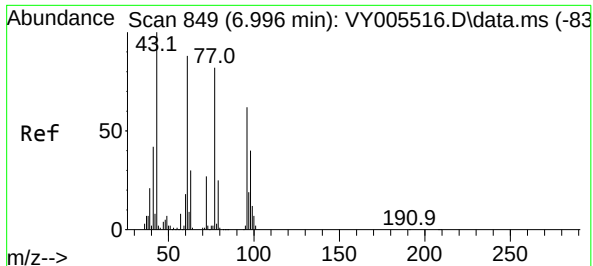
Tgt Ion: 43 Resp: 4472
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6



#20
Methylene Chloride
Concen: 22.058 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 84 Resp: 42759
Ion Ratio Lower Upper
84 100
49 129.3 105.8 158.6
51 40.4 33.4 50.2
86 63.3 54.2 81.4

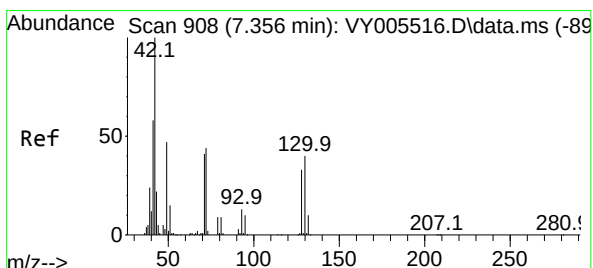
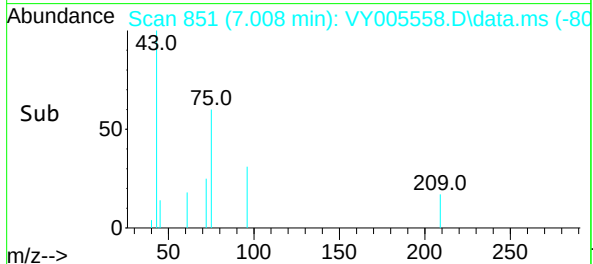
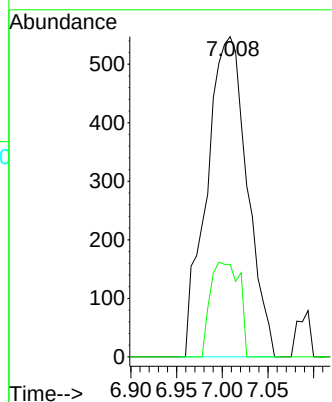
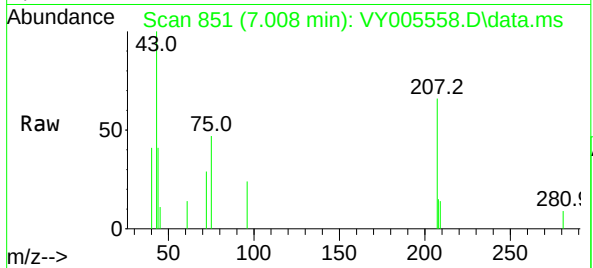




#25
2-Butanone
Concen: 2.683 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

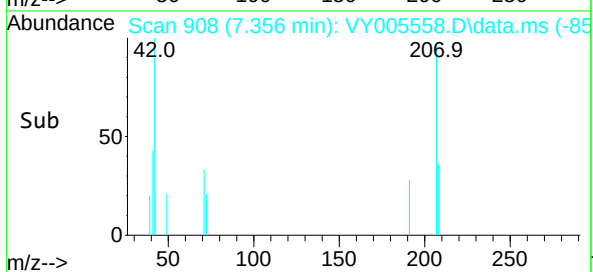
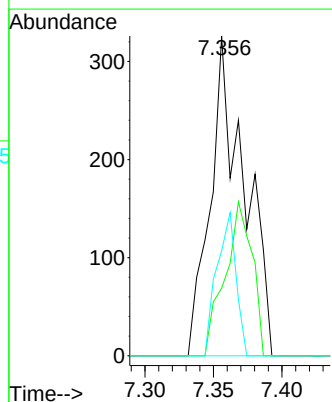
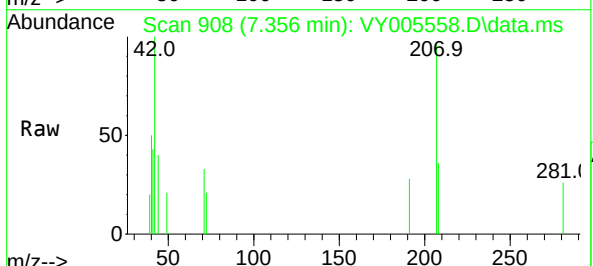
Instrument :
MSVOA_Y
ClientSampled :

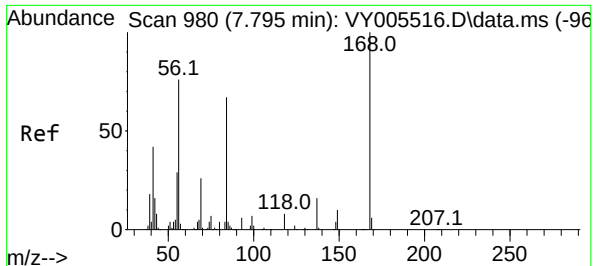
Tgt Ion: 43 Resp: 1681
Ion Ratio Lower Upper
43 100
72 28.9 21.4 32.2



#29
Tetrahydrofuran
Concen: 1.354 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 42 Resp: 561
Ion Ratio Lower Upper
42 100
72 38.7 35.0 52.4
71 25.3 33.3 49.9#

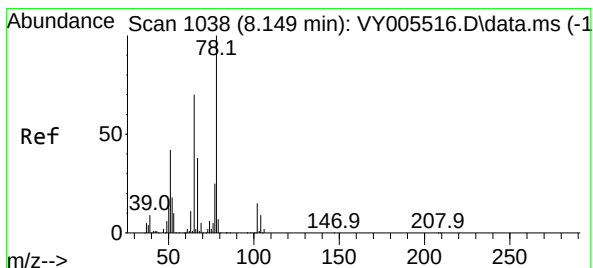
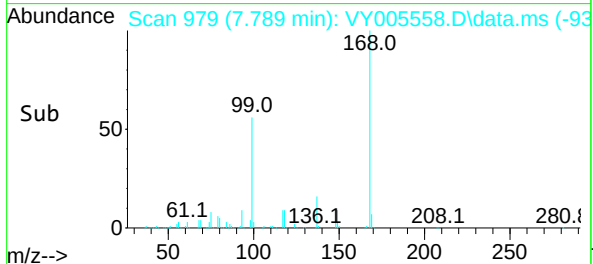
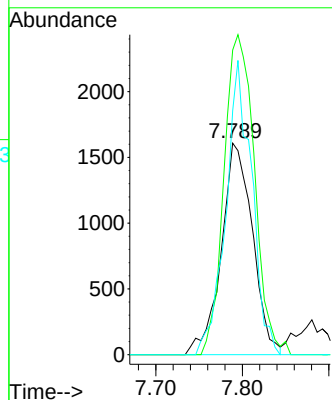
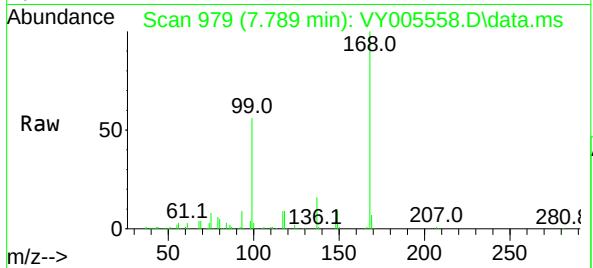




#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

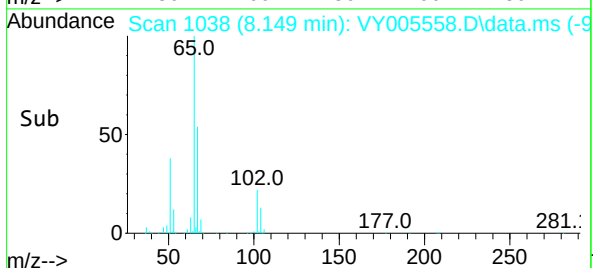
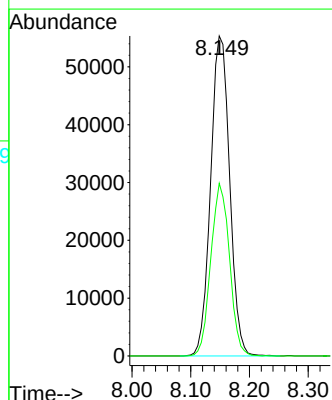
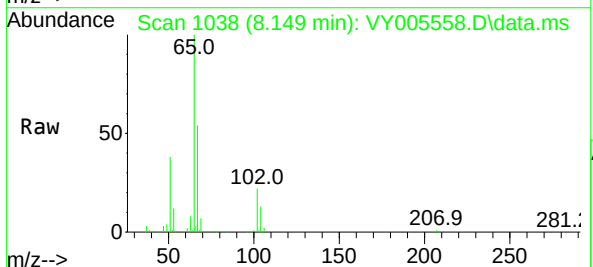
Instrument :
MSVOA_Y
ClientSampleId :

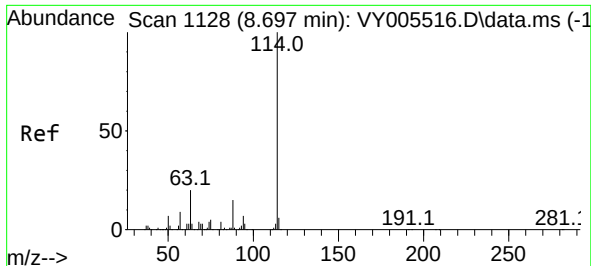
Tgt Ion: 56 Resp: 4032
Ion Ratio Lower Upper
56 100
69 144.0 27.7 41.5#
84 115.3 70.9 106.3#



#33
1,2-Dichloroethane-d4
Concen: 74.057 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 65 Resp: 124519
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Instrument :

MSVOA_Y

ClientSampleId :

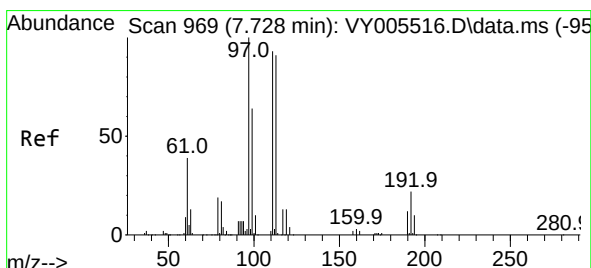
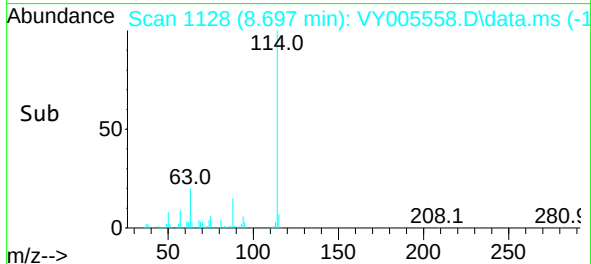
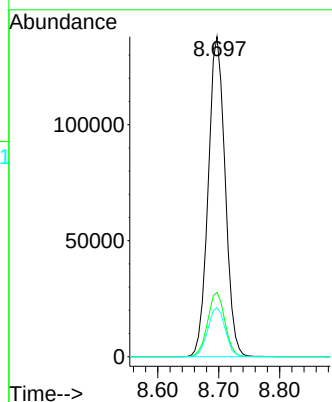
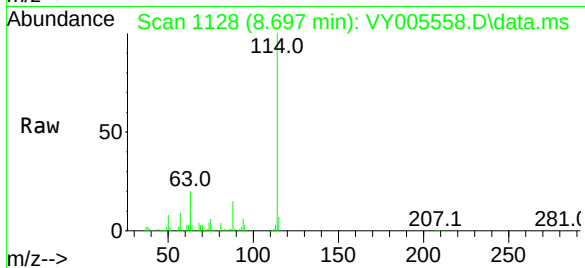
Tgt Ion:114 Resp: 265336

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 66.107 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

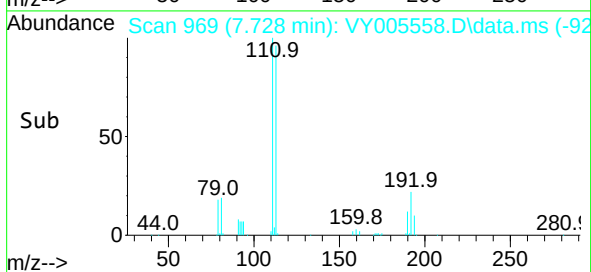
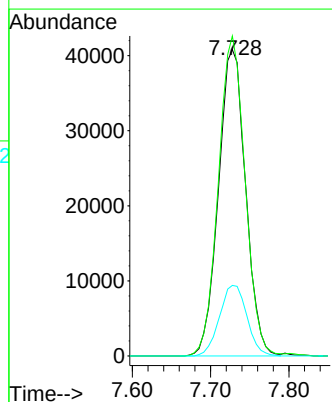
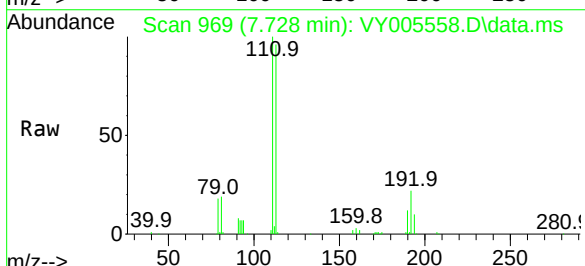
Tgt Ion:113 Resp: 98206

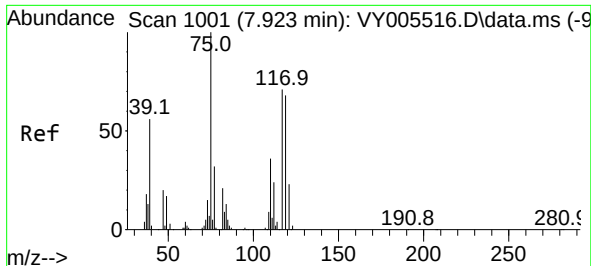
Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 23.3 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.817 ug/l

RT: 7.795 min Scan# 980

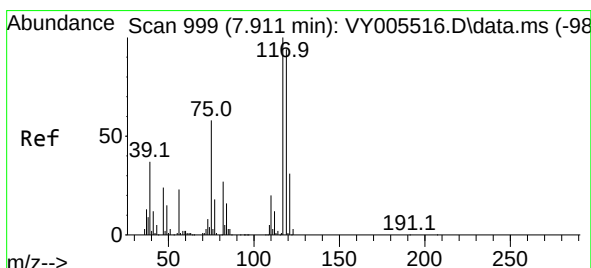
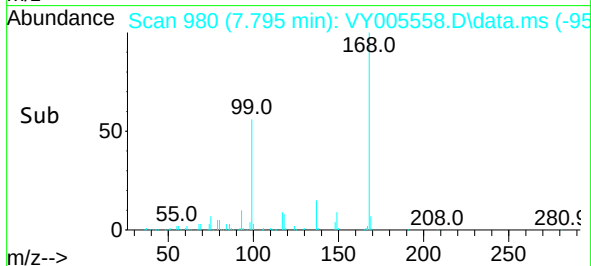
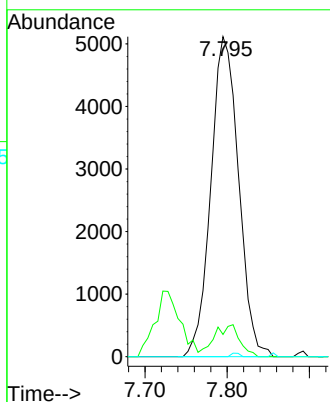
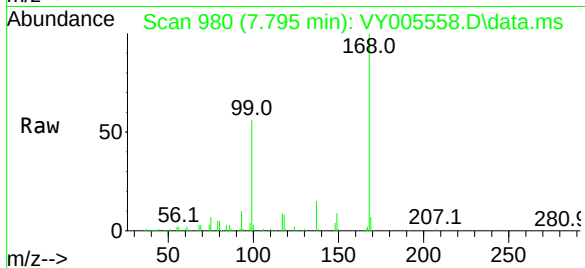
Delta R.T. -0.128 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion:	75	Resp:	11989
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.3	25.1	37.7#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.333 ug/l

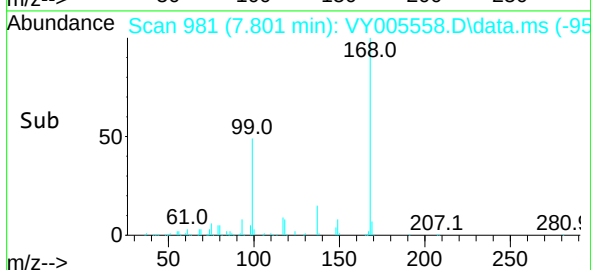
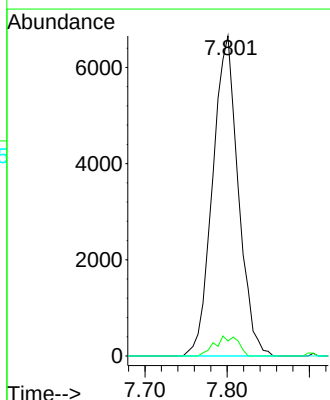
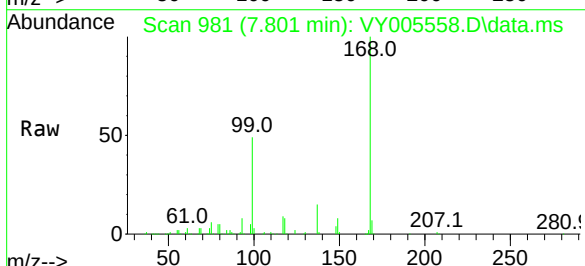
RT: 7.801 min Scan# 981

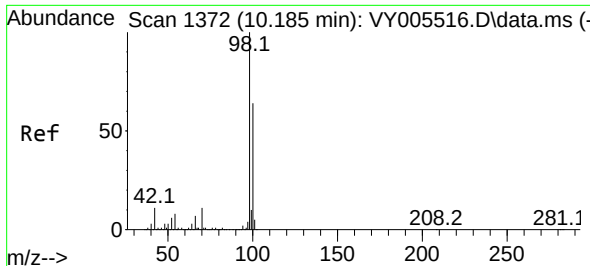
Delta R.T. -0.110 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion:	117	Resp:	14424
Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.4	113.0#
121	0.0	25.1	37.7#

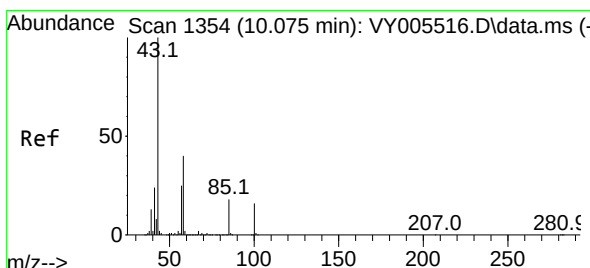
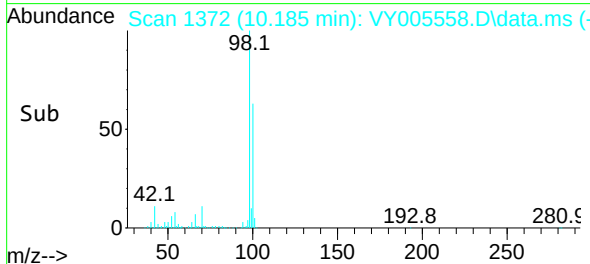
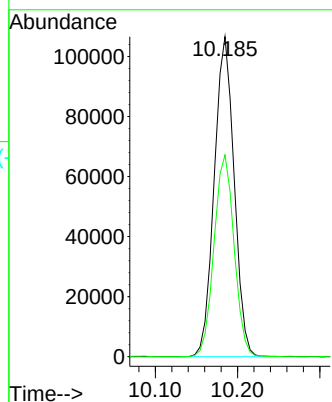
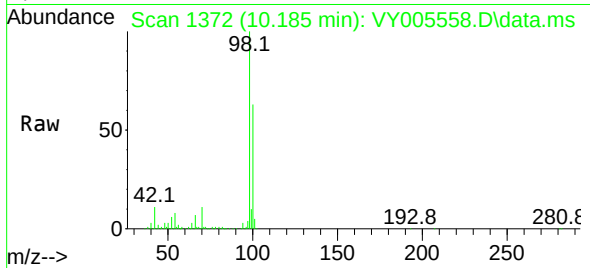




#50
Toluene-d8
Concen: 28.778 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

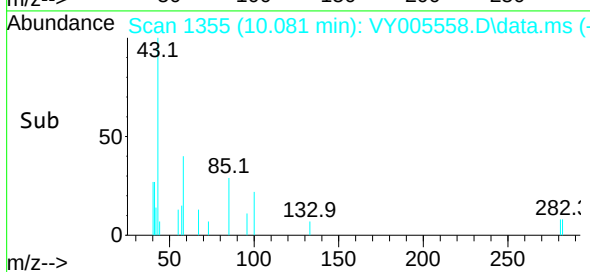
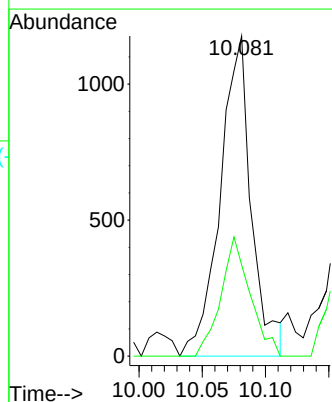
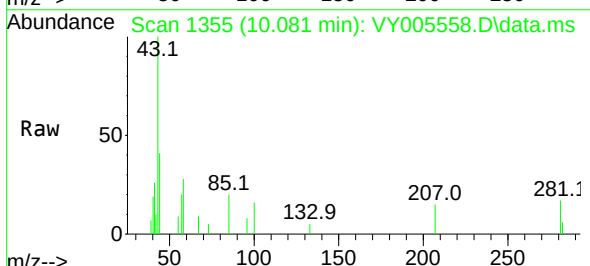
Instrument :
MSVOA_Y
ClientSampled :

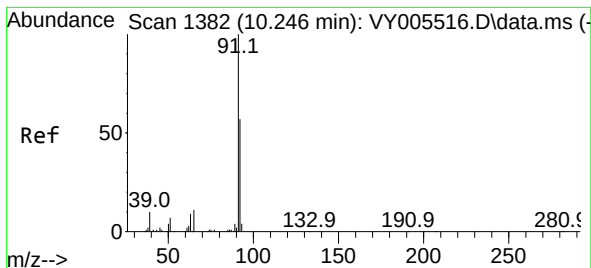
Tgt Ion: 98 Resp: 179297
Ion Ratio Lower Upper
98 100
100 63.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.338 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 43 Resp: 2011
Ion Ratio Lower Upper
43 100
58 35.0 31.4 47.2





#52

Toluene

Concen: 1.088 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY005558.D

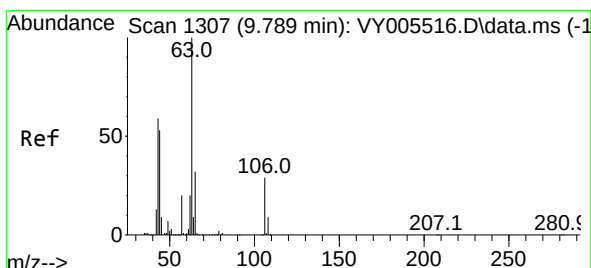
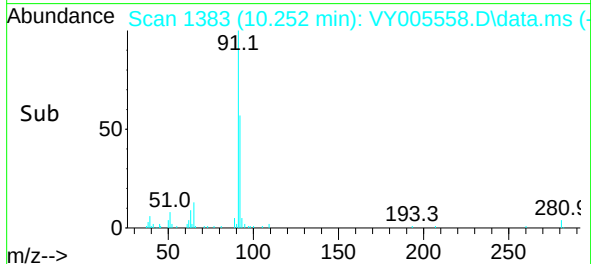
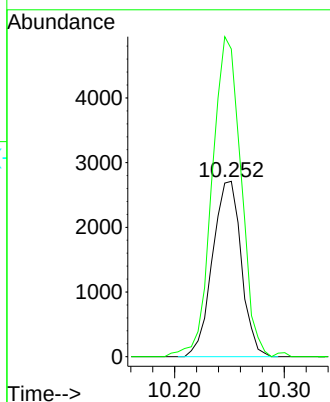
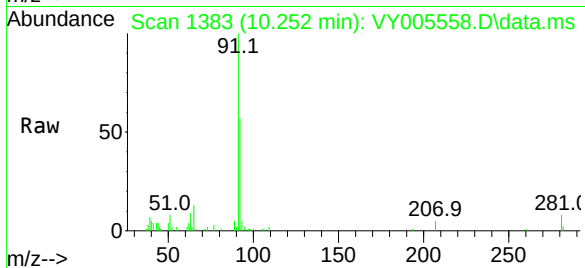
Acq: 05 Aug 2021 16:12

Tgt Ion: 92 Resp: 4944

Ion Ratio Lower Upper

92 100

91 183.3 139.6 209.4



#58

2-Chloroethyl Vinyl ether

Concen: 1.168 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VY005558.D

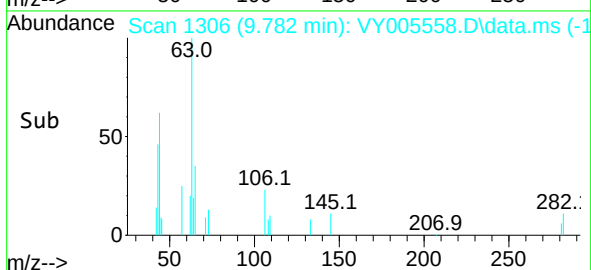
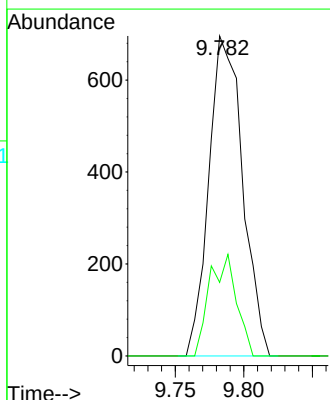
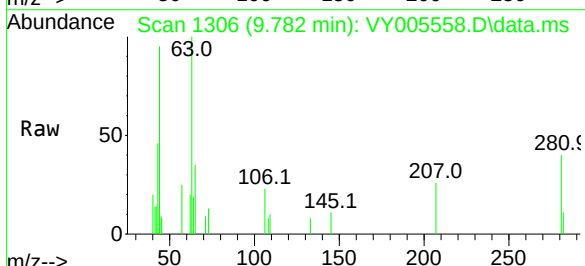
Acq: 05 Aug 2021 16:12

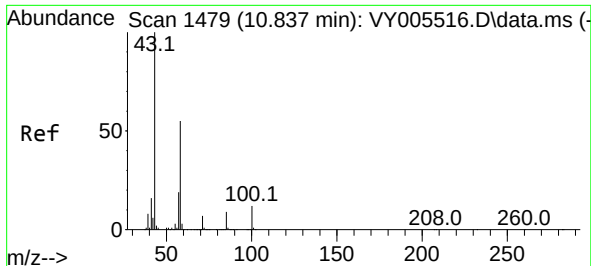
Tgt Ion: 63 Resp: 1192

Ion Ratio Lower Upper

63 100

106 25.3 23.1 34.7

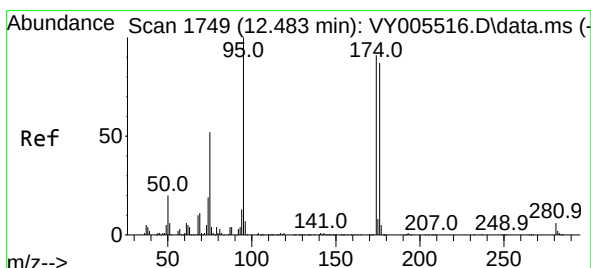
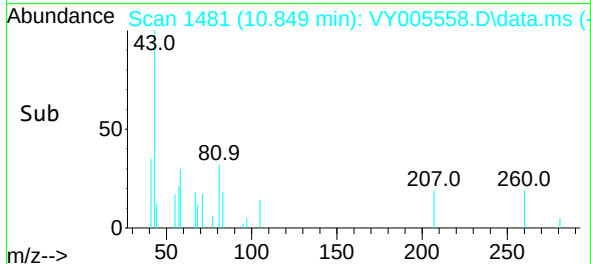
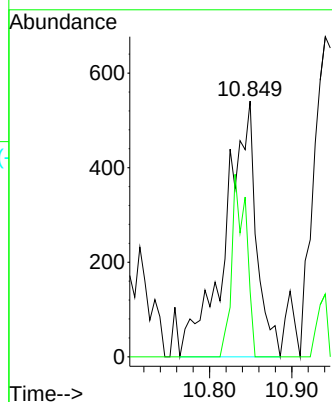
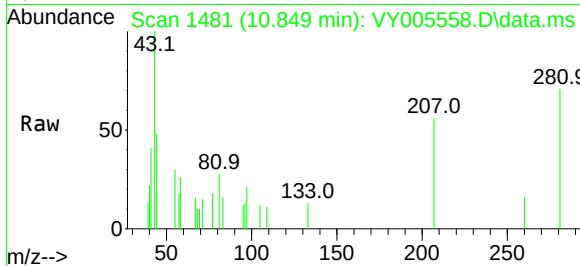




#59
2-Hexanone
Concen: 1.337 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.012 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

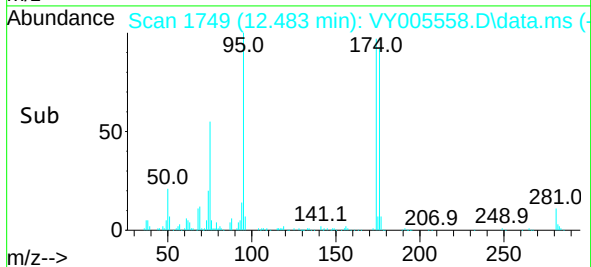
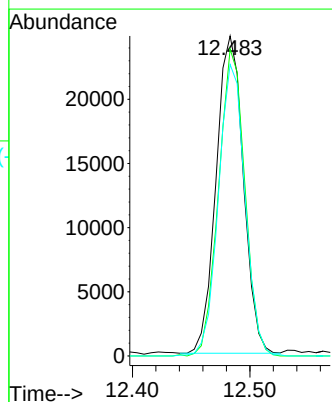
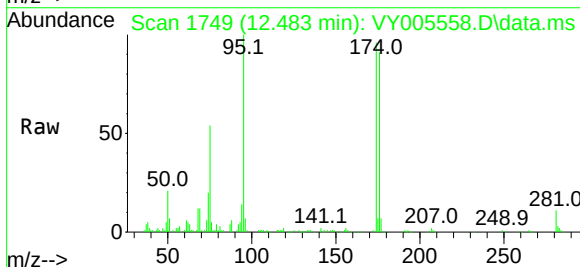
Instrument :
MSVOA_Y
ClientSampleId :

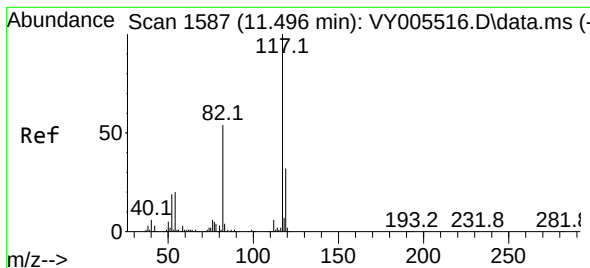
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 33.0 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 19.270 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 95 Resp: 39757
Ion Ratio Lower Upper
95 100
174 93.1 0.0 191.4
176 89.7 0.0 183.6

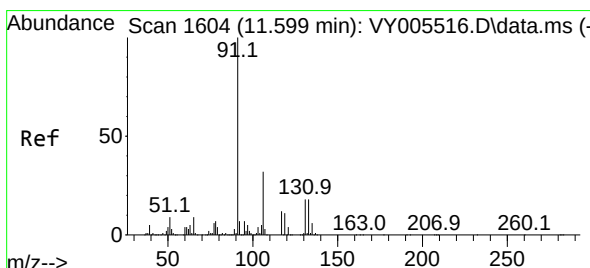
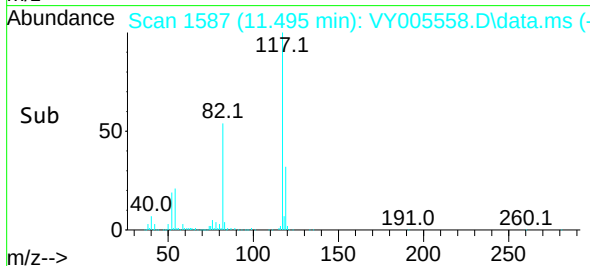
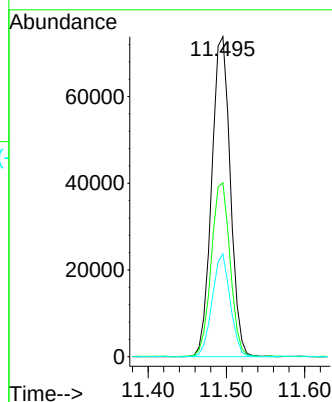
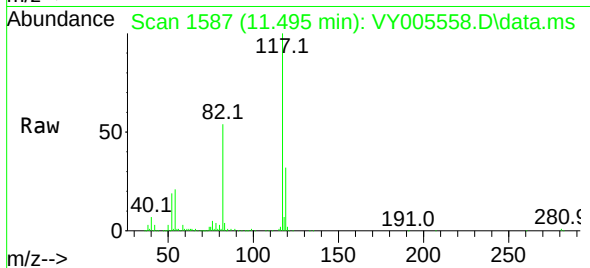




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

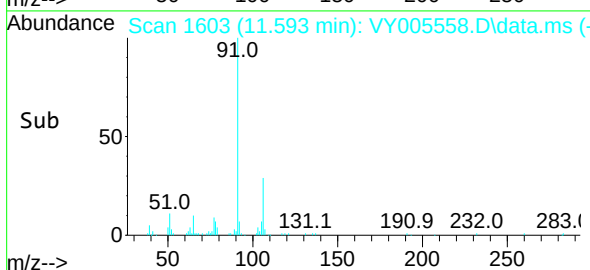
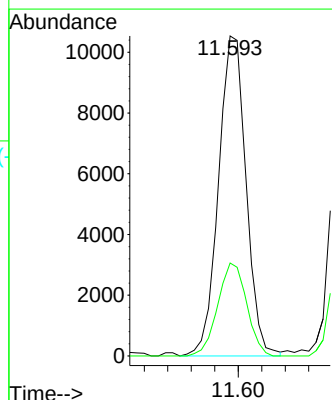
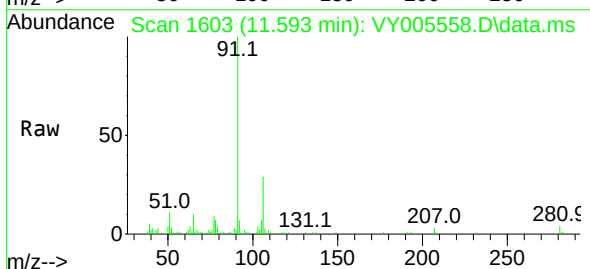
Instrument :
MSVOA_Y
ClientSampleId :

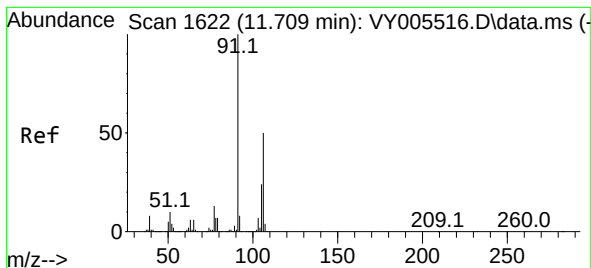
Tgt Ion:117 Resp: 122066
Ion Ratio Lower Upper
117 100
82 54.2 43.5 65.3
119 32.1 25.5 38.3



#67
Ethyl Benzene
Concen: 3.855 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 91 Resp: 17169
Ion Ratio Lower Upper
91 100
106 29.1 25.8 38.6

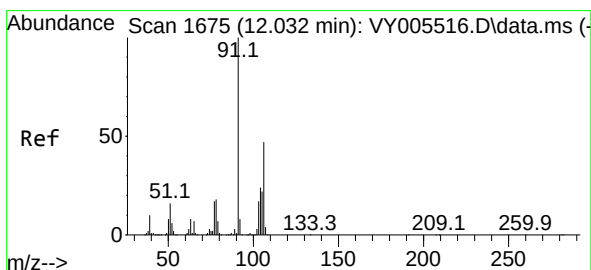
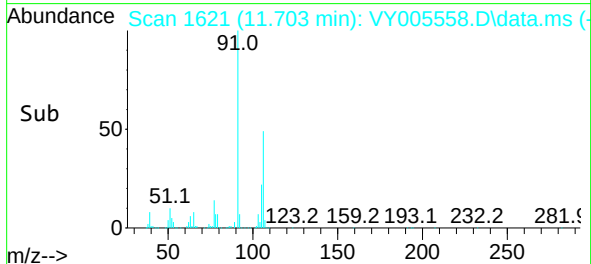
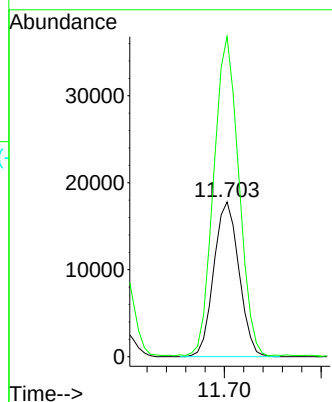
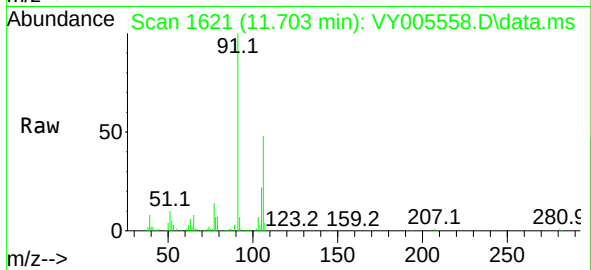




#68
m/p-Xylenes
Concen: 18.552 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

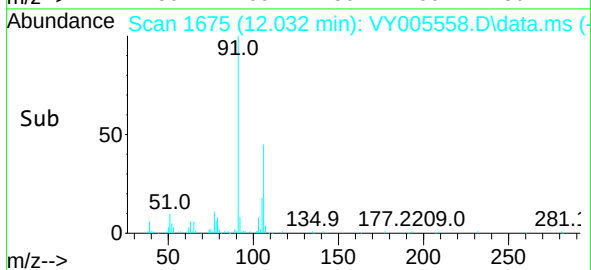
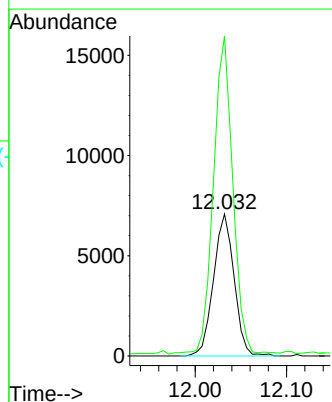
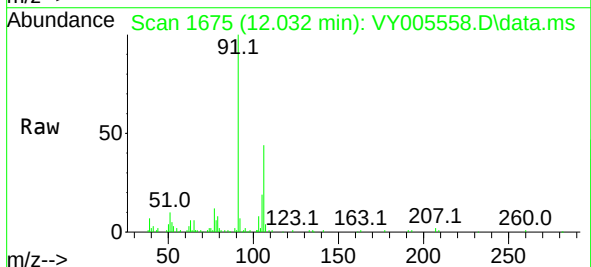
Instrument :
MSVOA_Y
ClientSampleId :

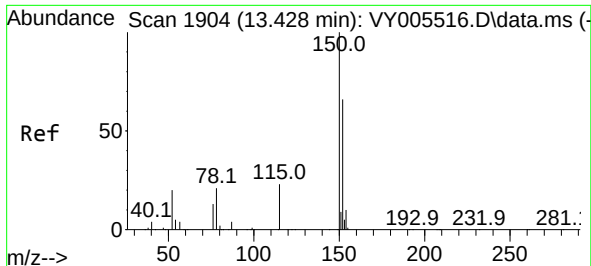
Tgt Ion:106 Resp: 32096
Ion Ratio Lower Upper
106 100
91 205.9 159.6 239.4



#69
o-Xylene
Concen: 6.665 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion:106 Resp: 11083
Ion Ratio Lower Upper
106 100
91 206.7 106.2 318.6

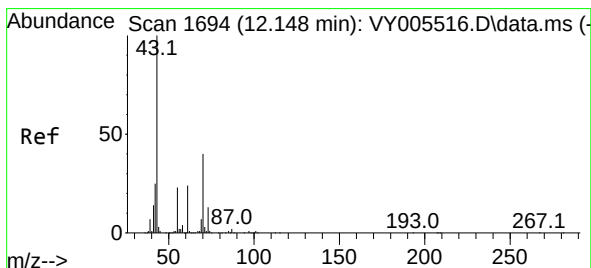
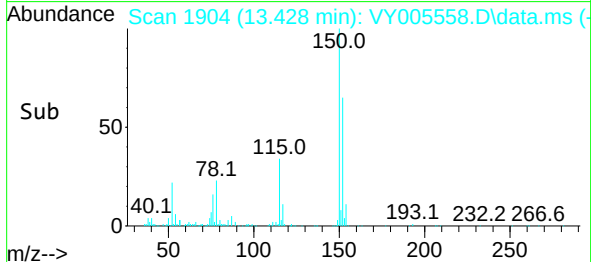
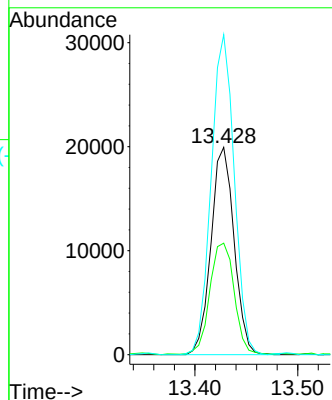
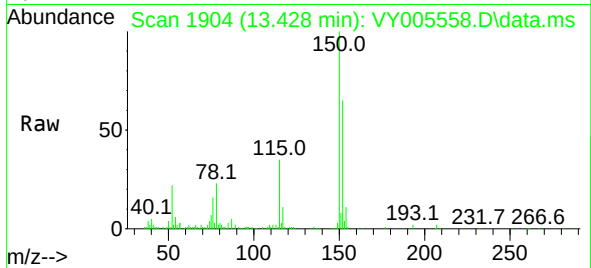




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

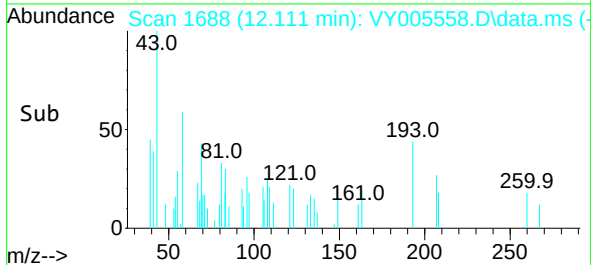
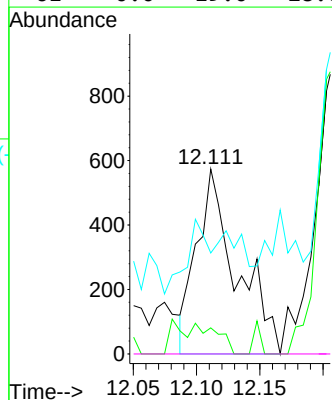
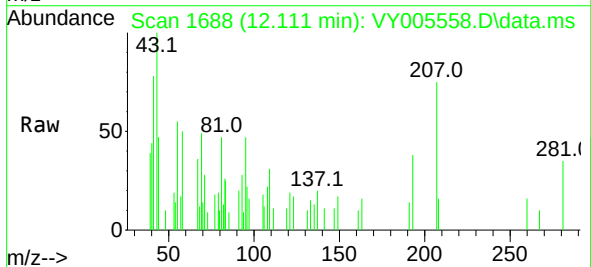
Instrument :
MSVOA_Y
ClientSampleId :

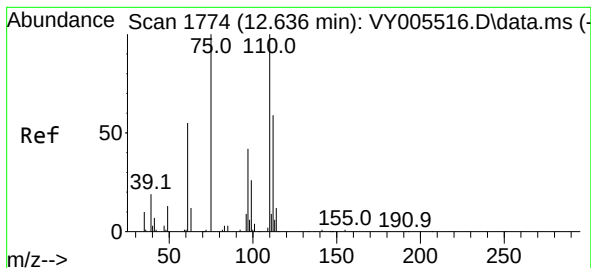
Tgt Ion:152 Resp: 31188
Ion Ratio Lower Upper
152 100
115 57.2 27.3 81.9
150 154.0 0.0 350.2



#74
N-ethyl acetate
Concen: 1.920 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY005558.D
Acq: 05 Aug 2021 16:12

Tgt Ion: 43 Resp: 1258
Ion Ratio Lower Upper
43 100
70 10.6 32.9 49.3#
55 11.6 18.9 28.3#
61 0.0 19.0 28.6#





#76

1,2,3-Trichloropropane

Concen: 66.083 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion: 75 Resp: 21358

Ion Ratio Lower Upper

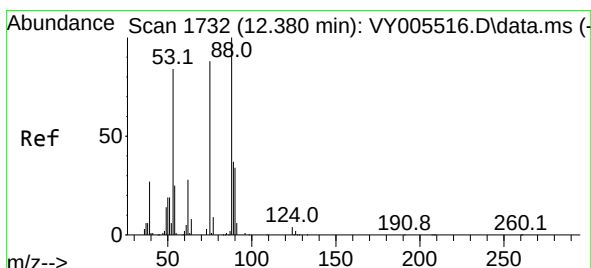
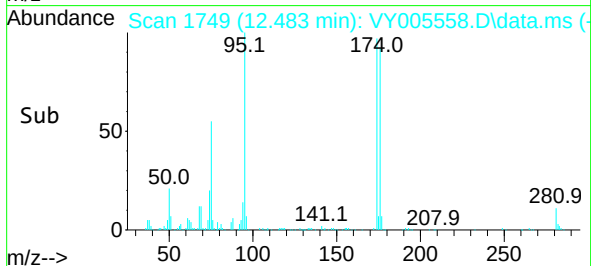
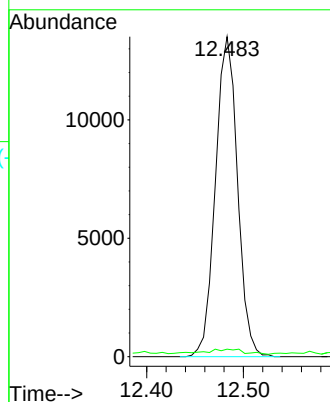
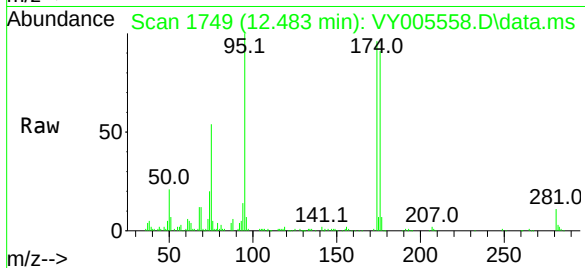
75 100

77 2.8 0.0 0.0#

Instrument :

MSVOA_Y

ClientSampleId :



#81

trans-1,4-Dichloro-2-butene

Concen: 133.216 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

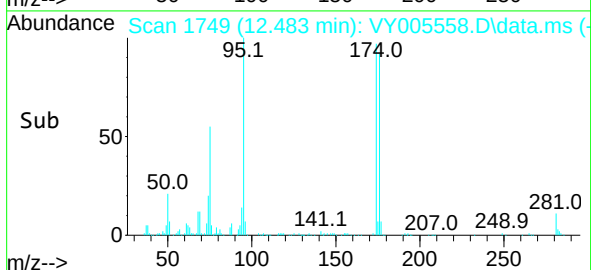
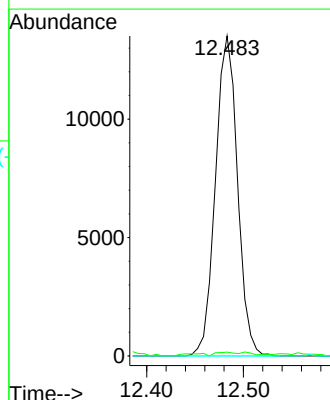
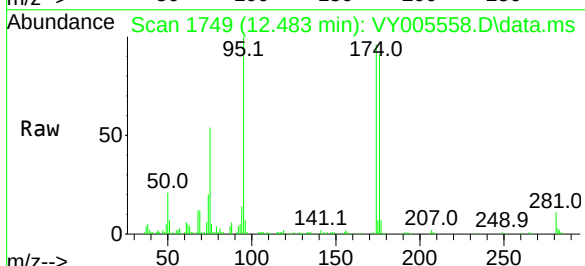
Tgt Ion: 75 Resp: 21358

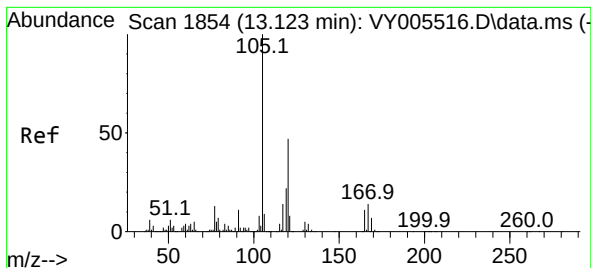
Ion Ratio Lower Upper

75 100

53 1.1 76.7 115.1#

89 0.0 38.4 57.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.714 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY005558.D

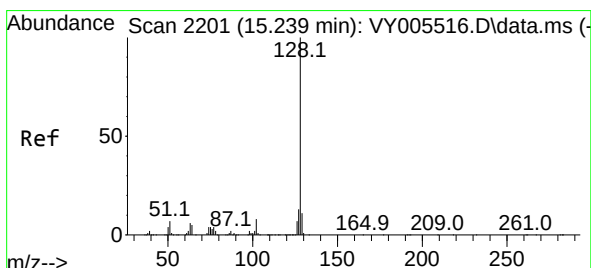
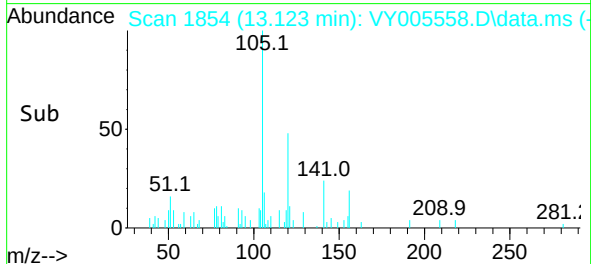
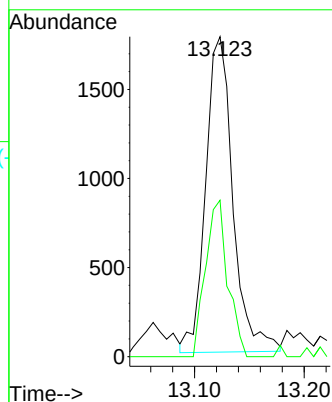
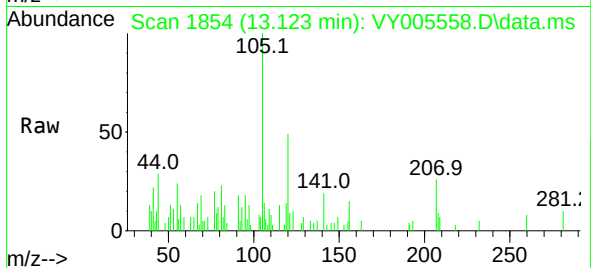
Acq: 05 Aug 2021 16:12

Tgt Ion:105 Resp: 3055

Ion Ratio Lower Upper

105 100

120 40.5 22.9 68.5



#95

Naphthalene

Concen: 1.674 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY005558.D

Acq: 05 Aug 2021 16:12

Tgt Ion:128 Resp: 2090

Ion Ratio Lower Upper

128 100

127 23.7 10.6 15.8#

129 22.7 8.7 13.1#

