

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102921\
 Data File : VY006528.D
 Acq On : 29 Oct 2021 10:23
 Operator : SY/MD
 Sample : VY1029SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 02:55:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

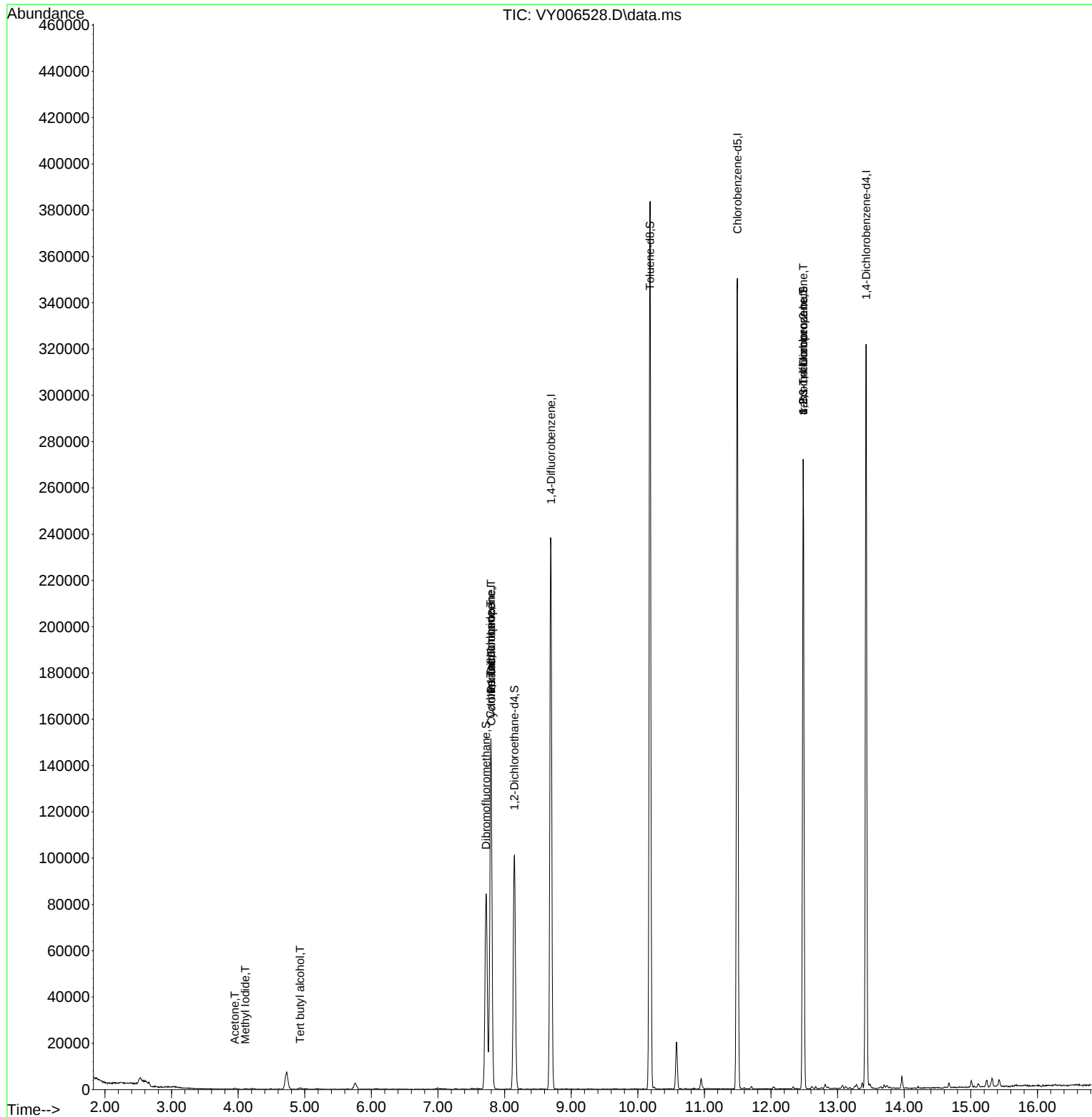
Internal Standards						
1) Pentafluorobenzene	7.795	168	114190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	191878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	178795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82512	58.720	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.440%	
35) Dibromofluoromethane	7.722	113	57508	53.772	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.540%	
50) Toluene-d8	10.185	98	241788	53.332	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.660%	
62) 4-Bromofluorobenzene	12.483	95	76079	49.816	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.640%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	353	5.342	ug/l #	73
11) Tert butyl alcohol	4.930	59	344	2.695	ug/l #	72
16) Acetone	3.948	43	738	1.824	ug/l	96
20) Methylene Chloride	4.722	84	4978	Below Cal		97
31) Cyclohexane	7.801	56	2891	1.271	ug/l #	33
36) 1,1-Dichloropropene	7.795	75	9237	4.872	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11337	5.421	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	43997	55.510	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43997	113.959	ug/l #	7

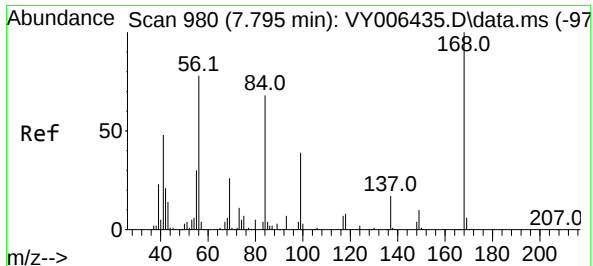
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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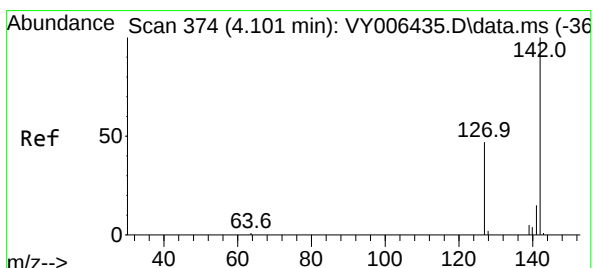
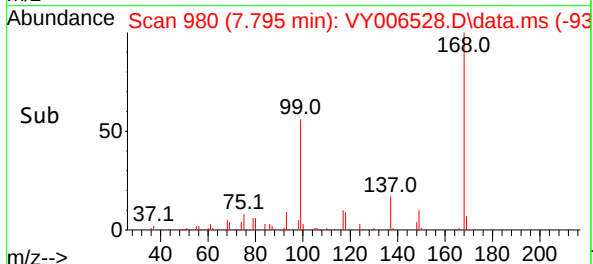
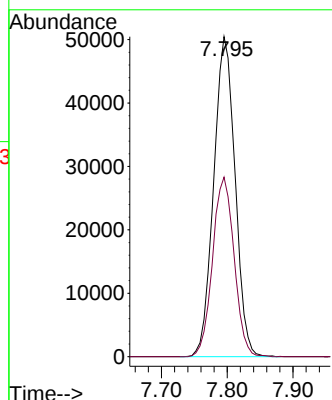
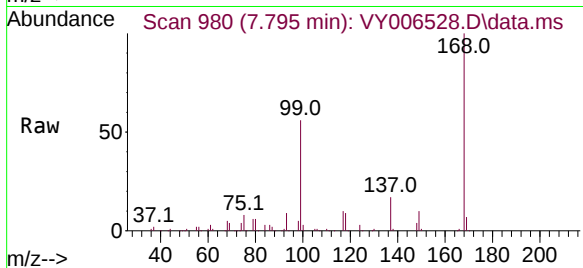




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

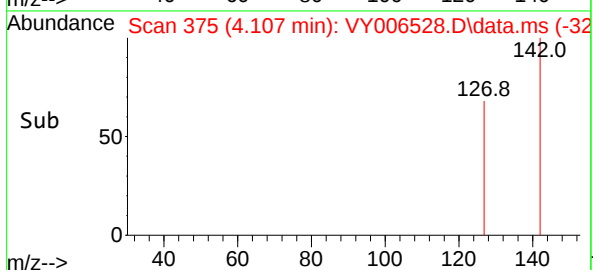
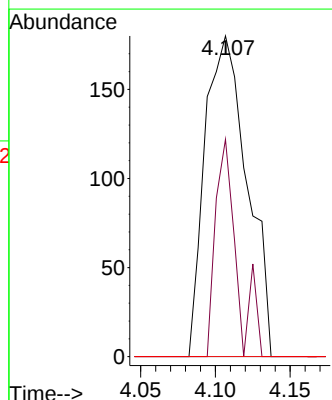
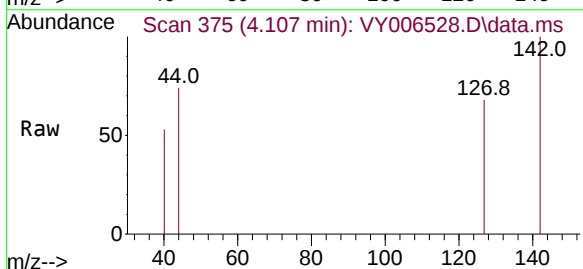
Instrument :
MSVOA_Y
ClientSampleId :

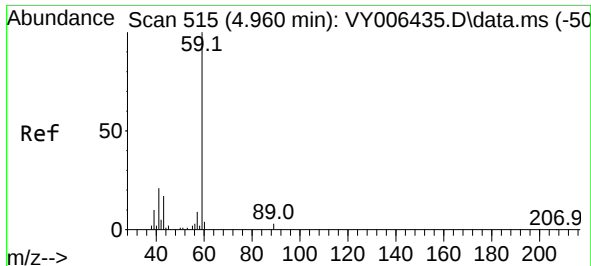
Tgt Ion:168 Resp: 114190
Ion Ratio Lower Upper
168 100
99 56.1 44.8 67.2



#10
Methyl Iodide
Concen: 5.342 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Tgt Ion:142 Resp: 353
Ion Ratio Lower Upper
142 100
127 34.0 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 2.695 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

Instrument :

MSVOA_Y

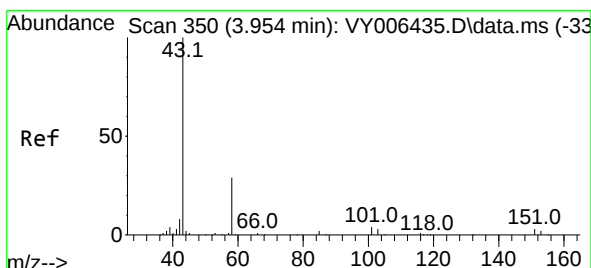
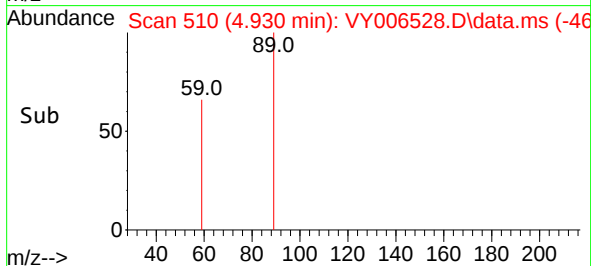
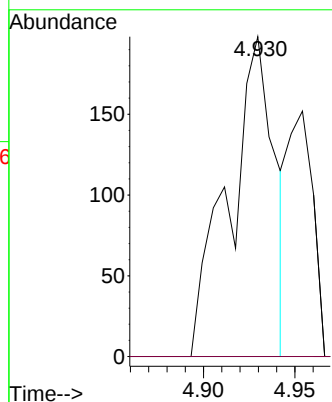
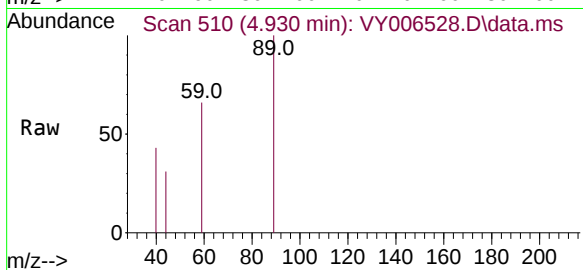
ClientSampleId :

Tgt Ion: 59 Resp: 344

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 1.824 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY006528.D

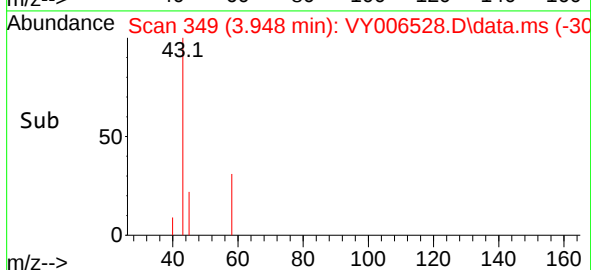
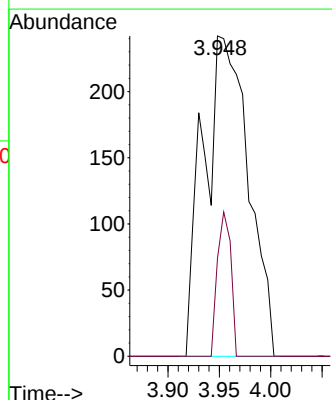
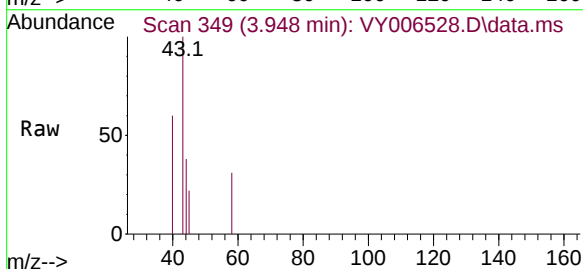
Acq: 29 Oct 2021 10:23

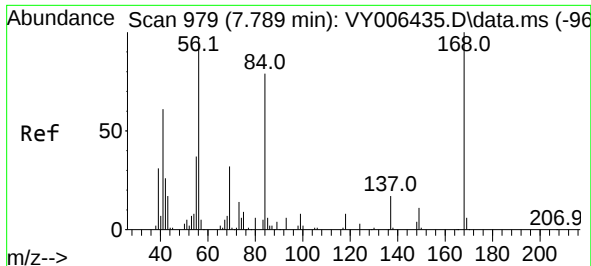
Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

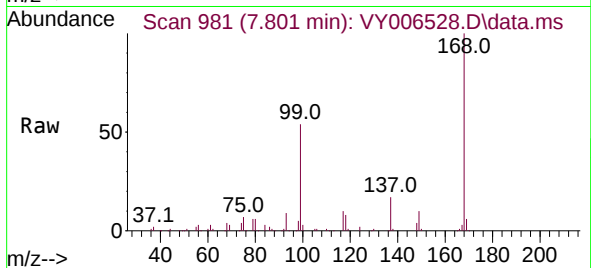
58 30.6 22.9 34.3



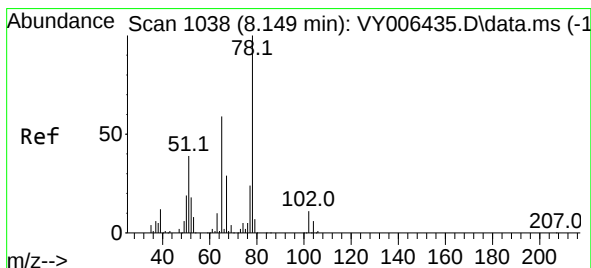
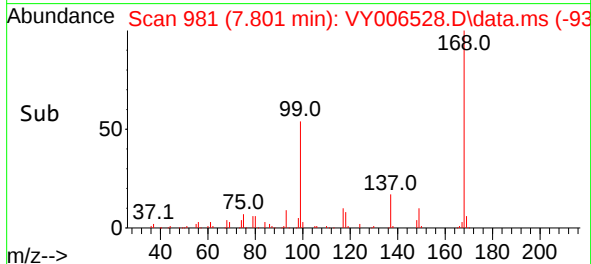
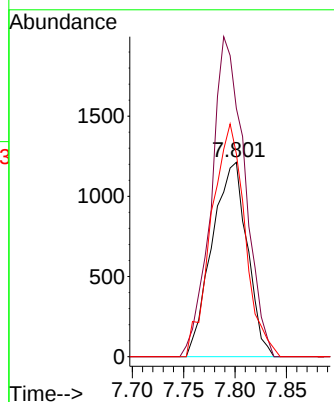


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Instrument :
MSVOA_Y
ClientSampleId :

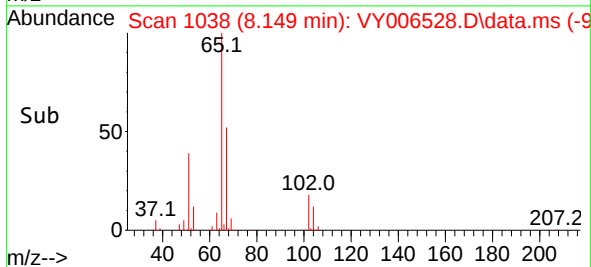
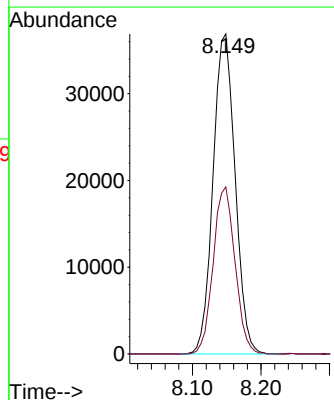
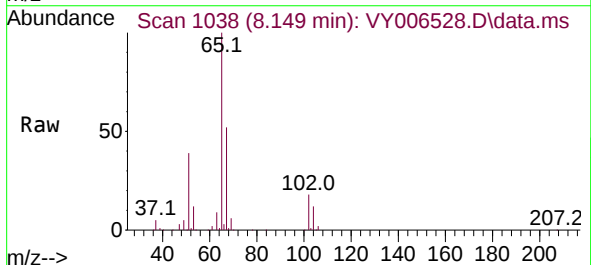


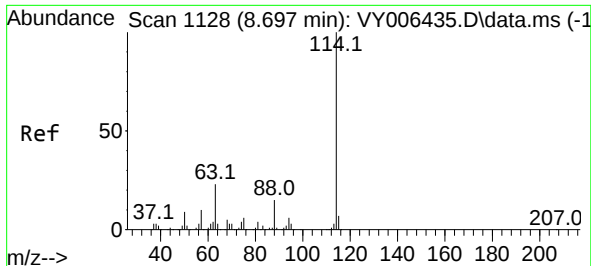
Tgt Ion: 56 Resp: 2891
Ion Ratio Lower Upper
56 100
69 127.7 26.6 40.0#
84 104.3 65.0 97.4#



#33
1,2-Dichloroethane-d4
Concen: 58.720 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Tgt Ion: 65 Resp: 82512
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

Instrument :

MSVOA_Y

ClientSampleId :

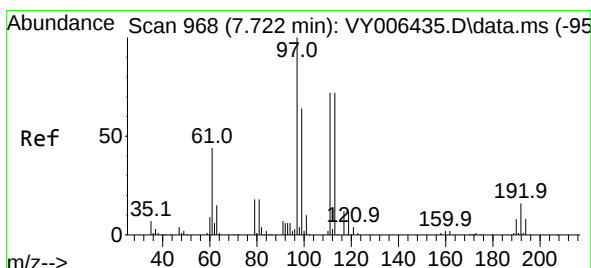
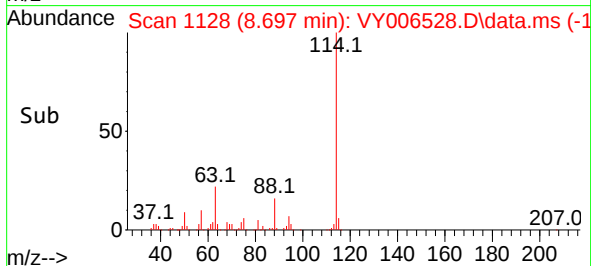
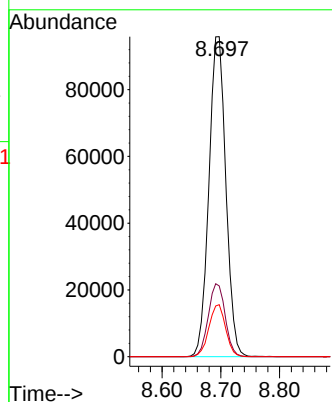
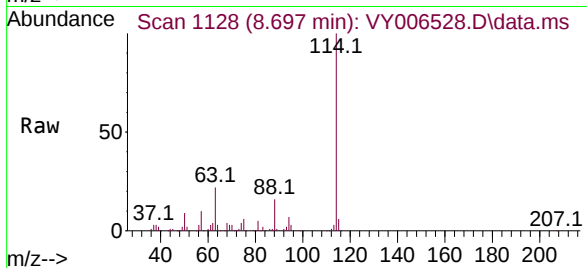
Tgt Ion:114 Resp: 191878

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 16.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.772 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

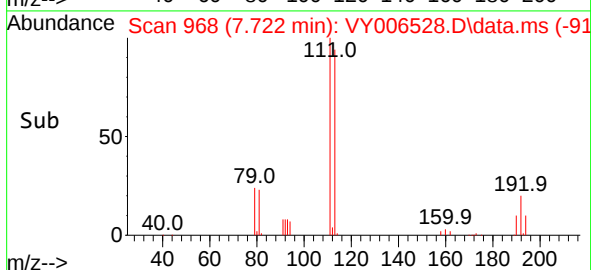
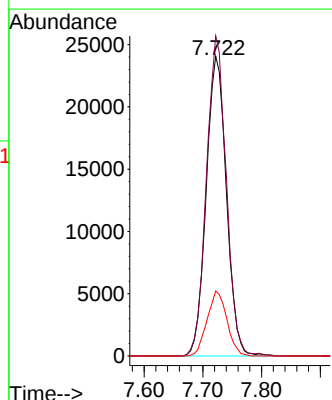
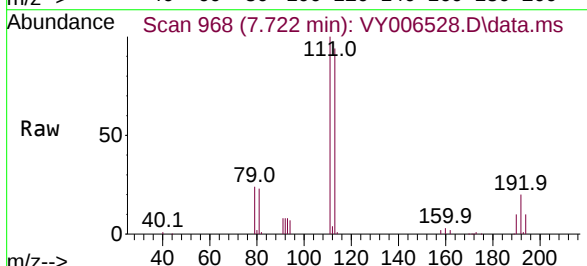
Tgt Ion:113 Resp: 57508

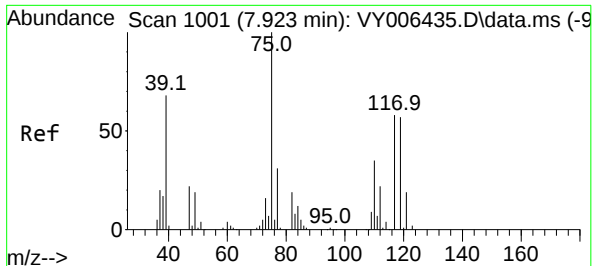
Ion Ratio Lower Upper

113 100

111 104.9 82.3 123.5

192 21.3 17.4 26.2





#36

1,1-Dichloropropene

Concen: 4.872 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

Instrument :

MSVOA_Y

ClientSampleId :

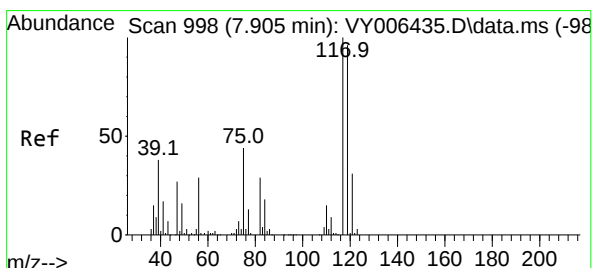
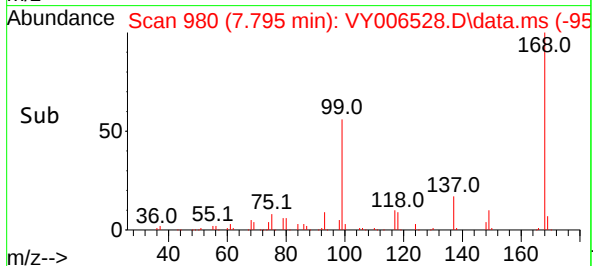
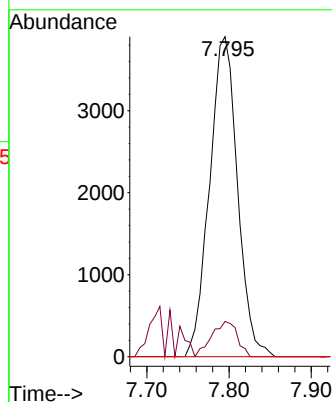
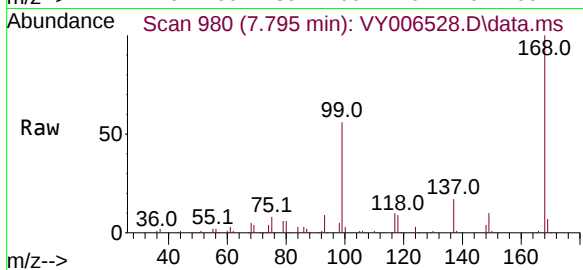
Tgt Ion: 75 Resp: 9237

Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.3#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.421 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

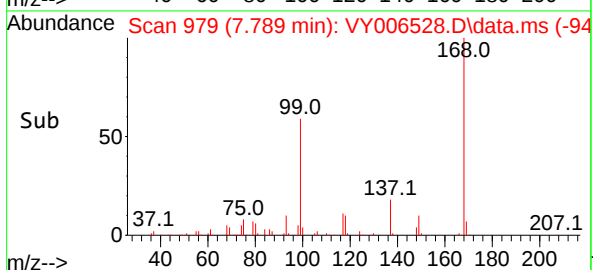
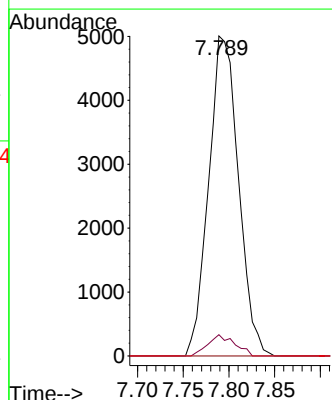
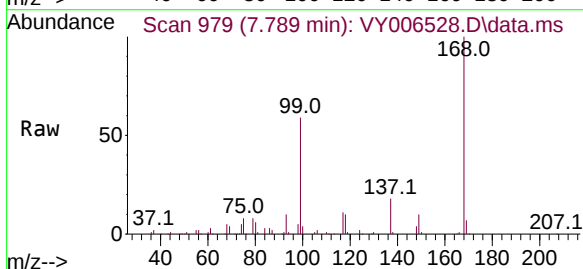
Tgt Ion: 117 Resp: 11337

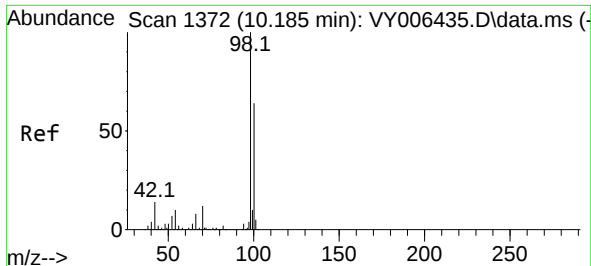
Ion Ratio Lower Upper

117 100

119 6.7 76.6 115.0#

121 0.0 24.7 37.1#

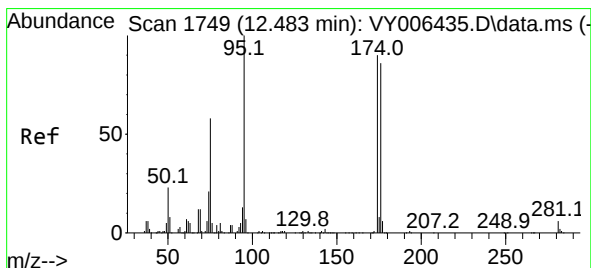
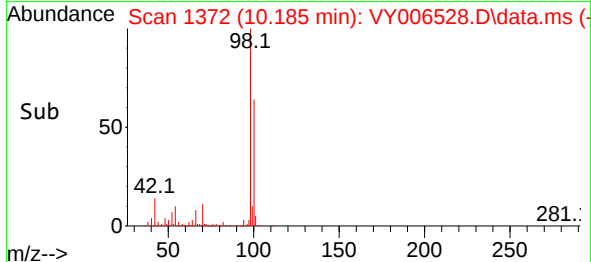
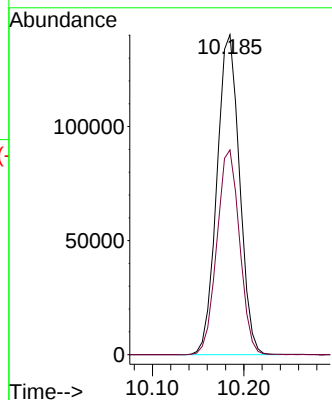
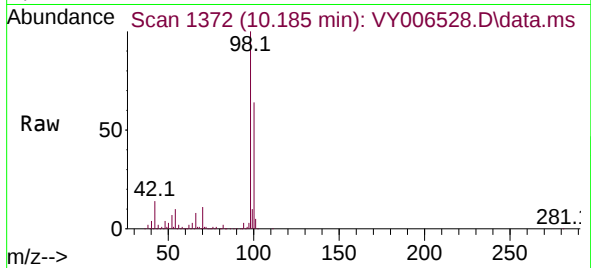




#50
Toluene-d8
Concen: 53.332 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

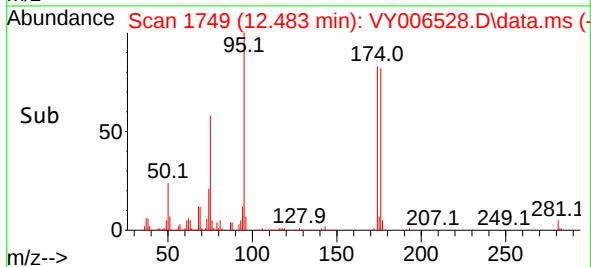
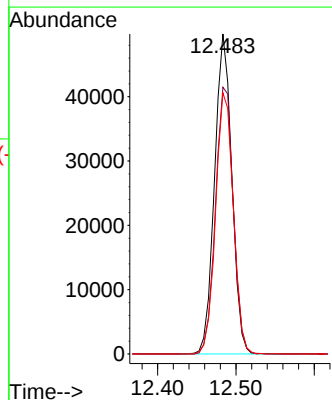
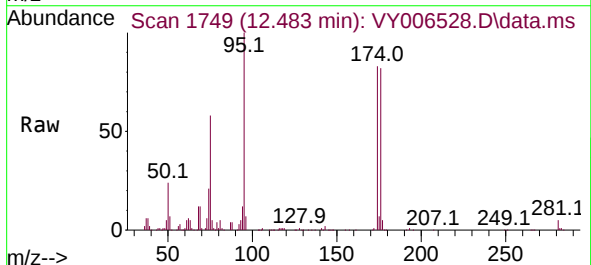
Instrument :
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ClientSampleId :

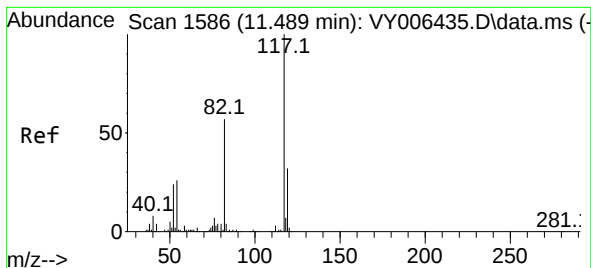
Tgt Ion: 98 Resp: 241788
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.816 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Tgt Ion: 95 Resp: 76079
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.8 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

Instrument :

MSVOA_Y

ClientSampleId :

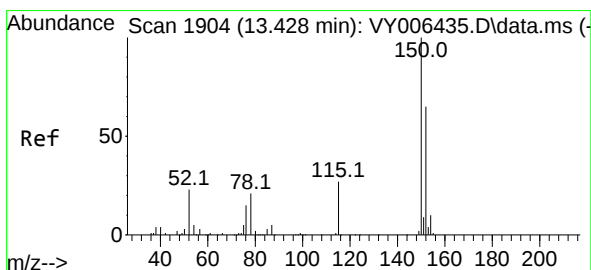
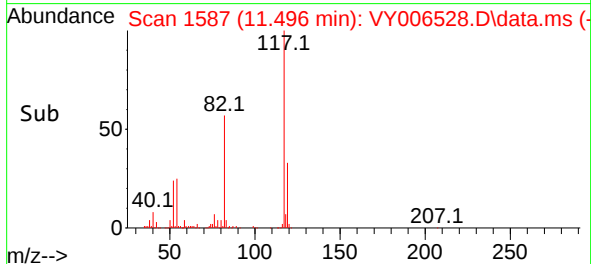
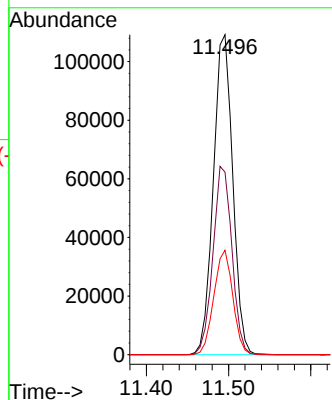
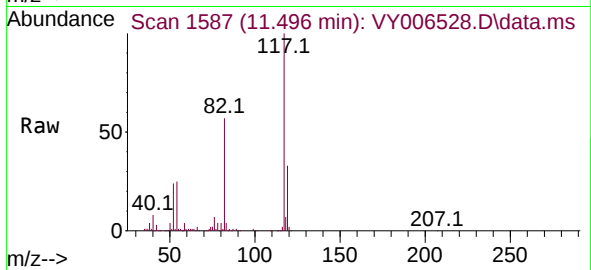
Tgt Ion:117 Resp: 178795

Ion Ratio Lower Upper

117 100

82 57.0 45.7 68.5

119 32.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY006528.D

Acq: 29 Oct 2021 10:23

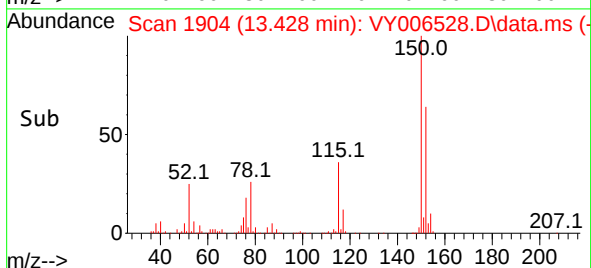
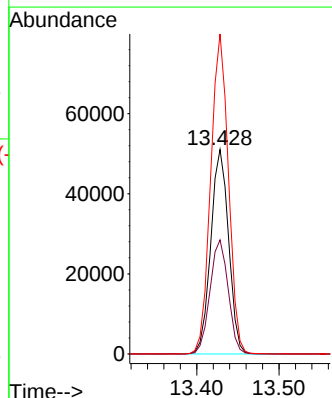
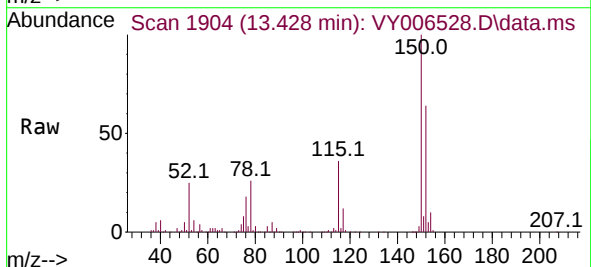
Tgt Ion:152 Resp: 76916

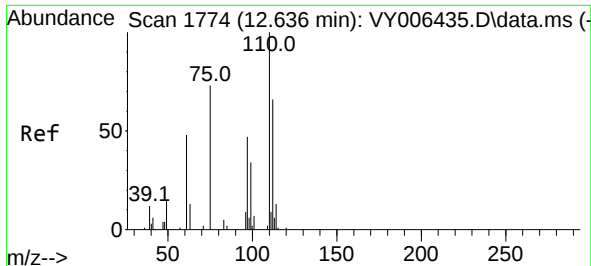
Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.5

150 155.5 0.0 348.2

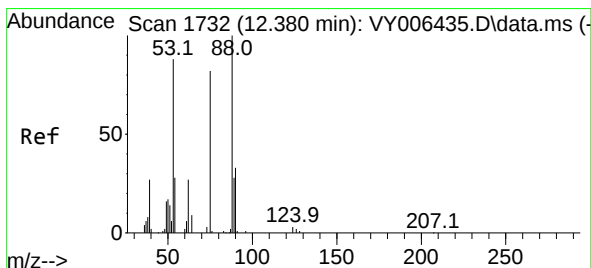
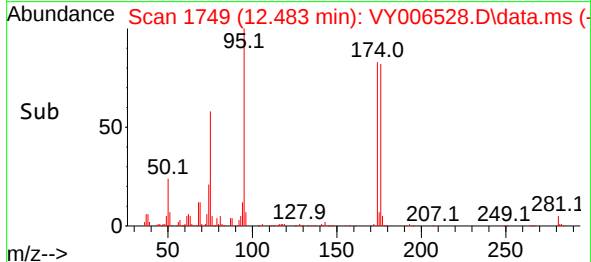
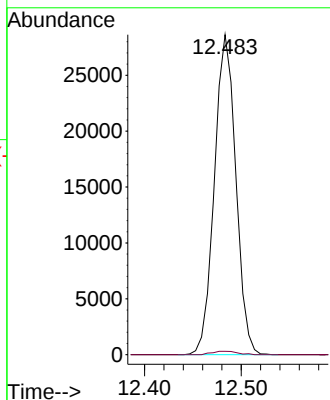
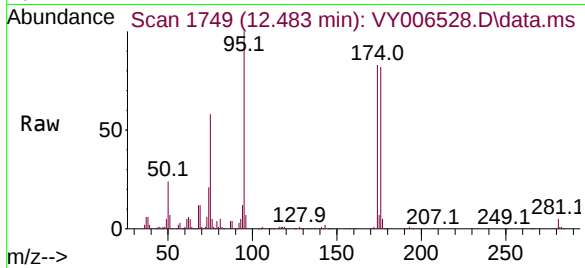




#76
1,2,3-Trichloropropane
Concen: 55.510 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43997
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.959 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006528.D
Acq: 29 Oct 2021 10:23

Tgt Ion: 75 Resp: 43997
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.2 39.3 58.9#

