

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020422\
 Data File : VY007395.D
 Acq On : 04 Feb 2022 15:26
 Operator : SY/MD
 Sample : N1384-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 26982

Quant Time: Feb 06 23:35:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

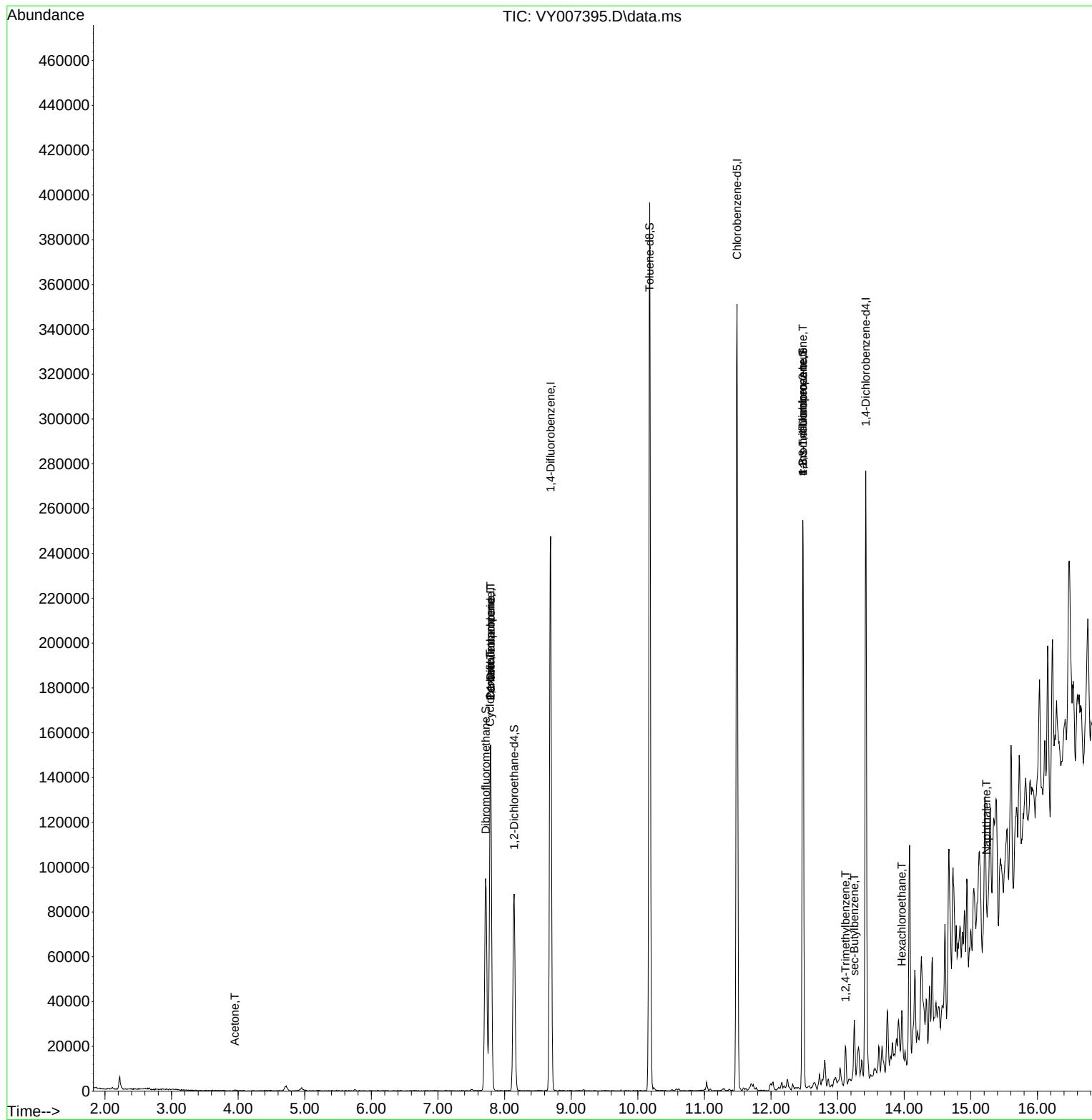
Internal Standards						
1) Pentafluorobenzene	7.789	168	110900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	184905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70081	54.939	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.880%			
35) Dibromofluoromethane	7.716	113	67708	50.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.660%			
50) Toluene-d8	10.179	98	249686	50.735	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.477	95	79955	47.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.600%			
Target Compounds						
3) Chloromethane	2.113	50	546	Below Cal	Qvalue 99	
11) Tert butyl alcohol	4.954	59	2448	Below Cal #	88	
16) Acetone	3.948	43	479	1.156 ug/l #	47	
20) Methylene Chloride	4.722	84	1521	Below Cal #	73	
31) Cyclohexane	7.783	56	2763	1.110 ug/l #	19	
36) 1,1-Dichloropropene	7.789	75	9327	4.005 ug/l #	51	
38) Carbon Tetrachloride	7.789	117	12023	4.914 ug/l #	16	
76) 1,2,3-Trichloropropane	12.477	75	42450	55.340 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.477	75	42450	110.868 ug/l #	7	
84) 1,2,4-Trimethylbenzene	13.117	105	9107	1.923 ug/l	94	
85) sec-Butylbenzene	13.251	105	16807	2.676 ug/l	99	
90) Hexachloroethane	13.965	117	970	1.003 ug/l #	6	
95) Naphthalene	15.233	128	4303	1.649 ug/l #	87	

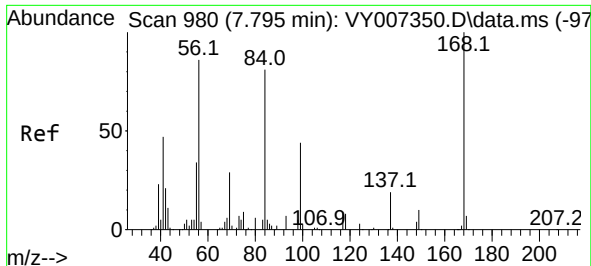
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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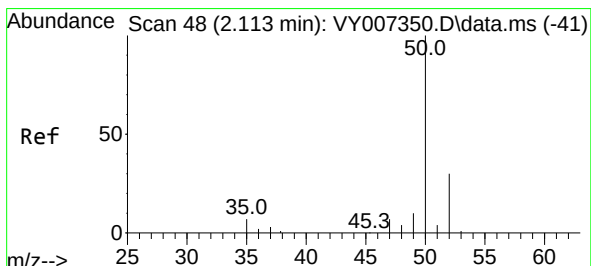
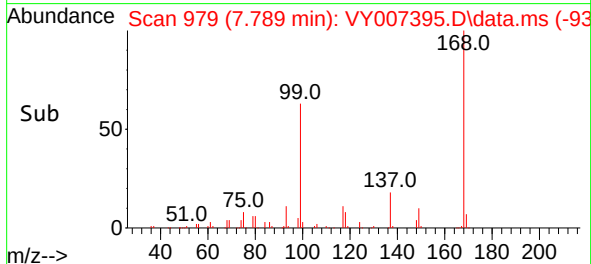
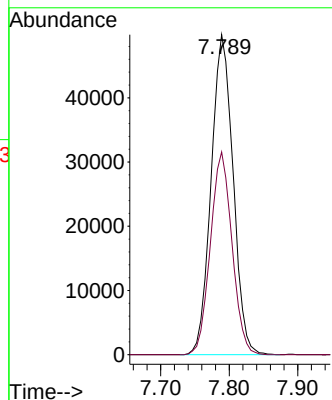
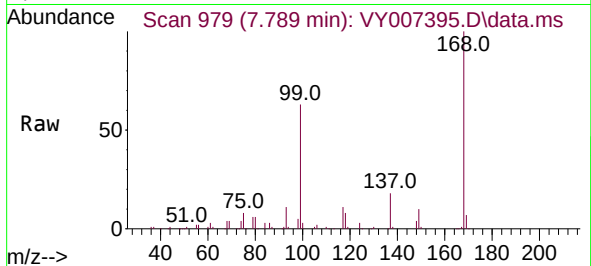




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

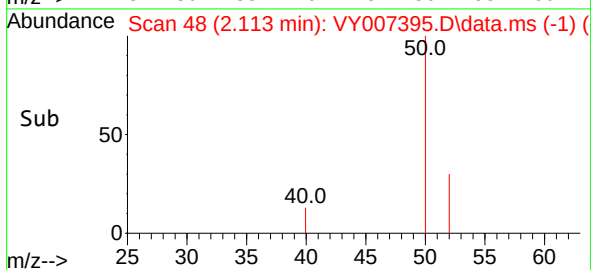
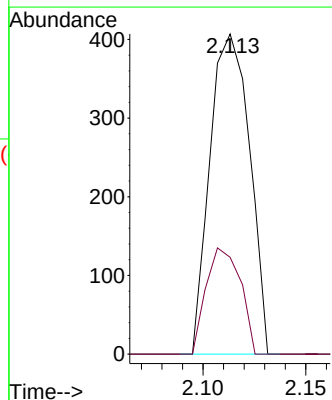
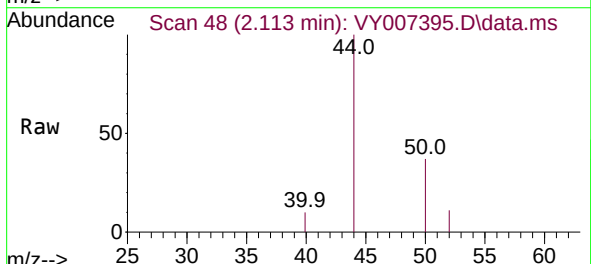
Instrument :
MSVOA_Y
ClientSampleId :
26982

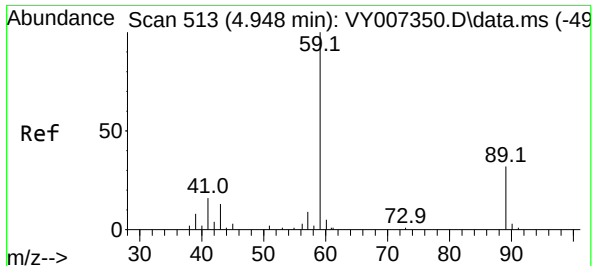
Tgt Ion:168 Resp: 110900
Ion Ratio Lower Upper
168 100
99 63.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 30.2 24.6 37.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 513

Delta R.T. 0.006 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

Instrument :

MSVOA_Y

ClientSampleId :

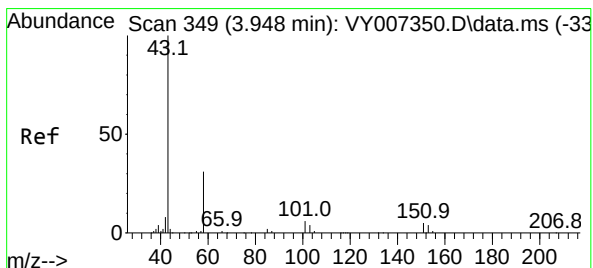
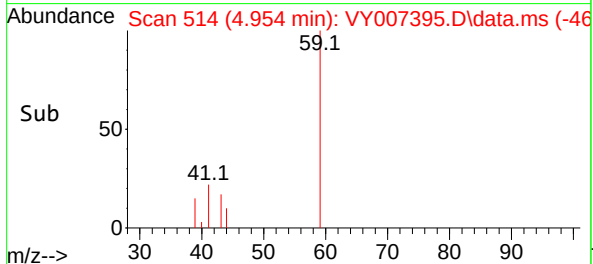
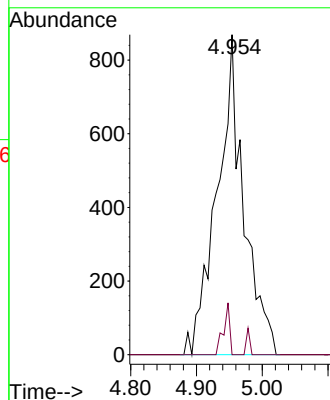
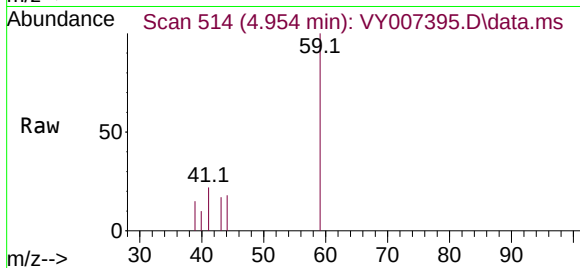
26982

Tgt Ion: 59 Resp: 2448

Ion Ratio Lower Upper

59 100

57 3.8 6.4 9.6#



#16

Acetone

Concen: 1.156 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY007395.D

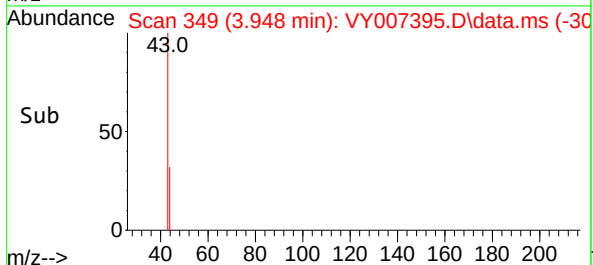
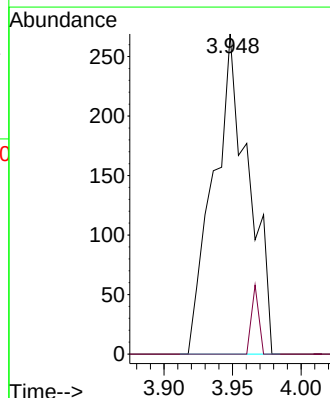
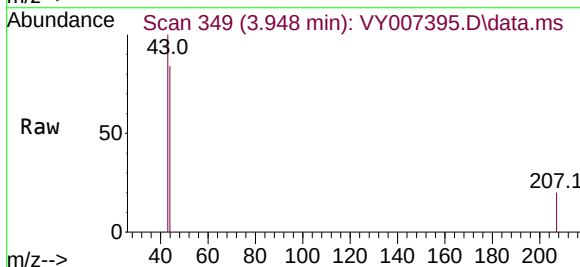
Acq: 04 Feb 2022 15:26

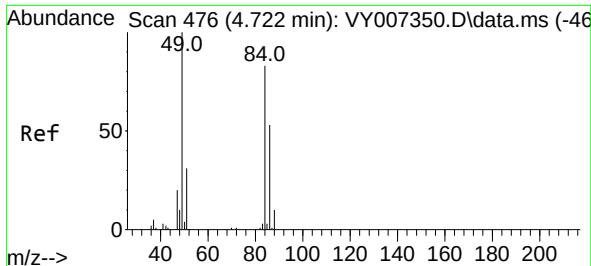
Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

Instrument :

MSVOA_Y

ClientSampleId :

26982

Tgt Ion: 84 Resp: 1521

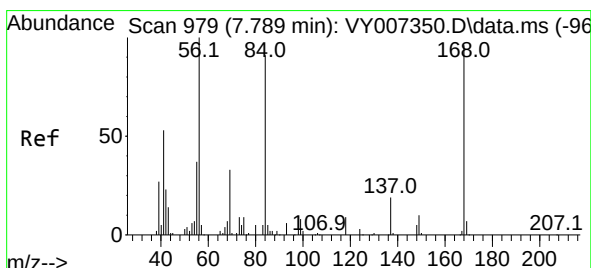
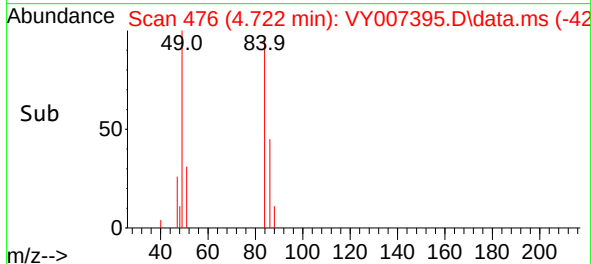
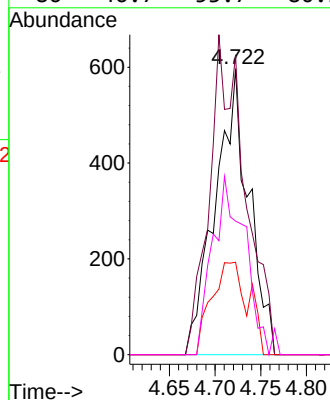
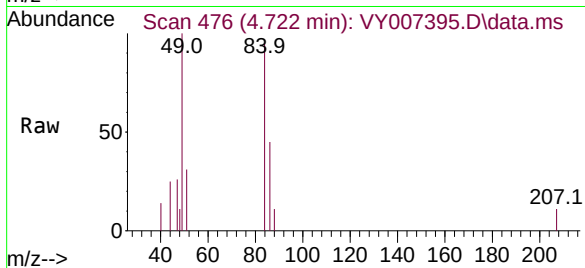
Ion Ratio Lower Upper

84 100

49 104.9 114.4 171.6#

51 32.3 35.3 52.9#

86 46.7 53.7 80.5#



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

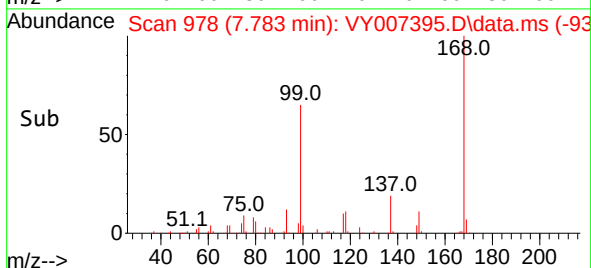
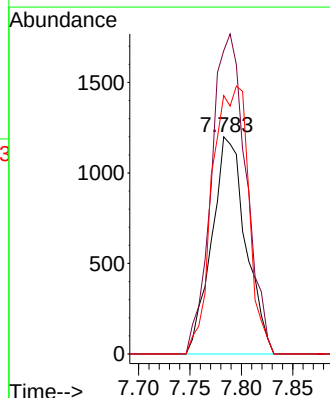
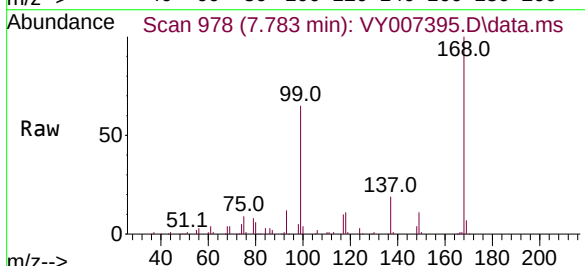
Tgt Ion: 56 Resp: 2763

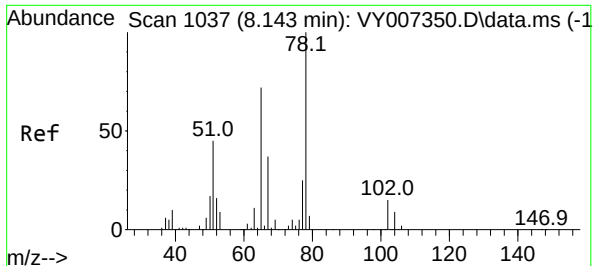
Ion Ratio Lower Upper

56 100

69 139.6 26.7 40.1#

84 119.0 67.2 100.8#

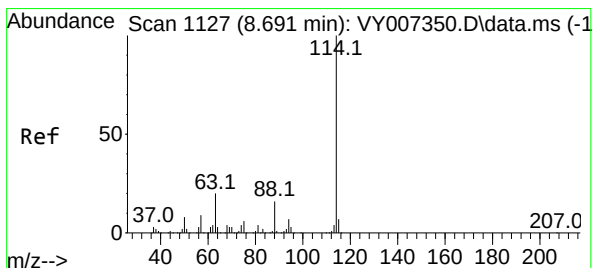
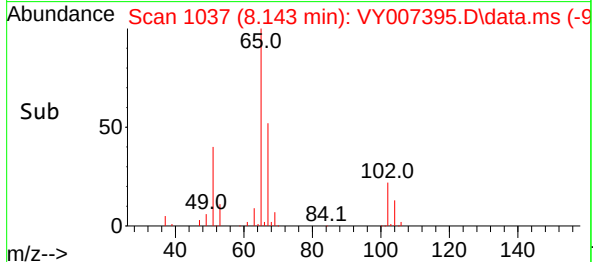
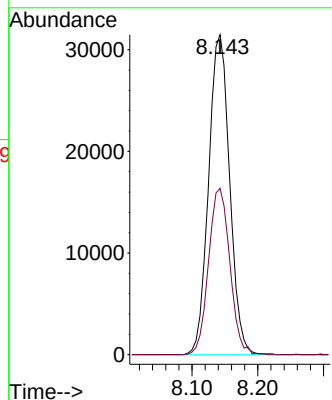
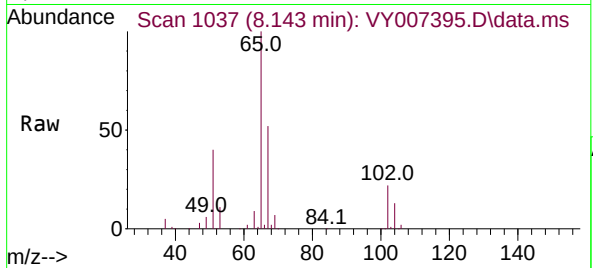




#33
1,2-Dichloroethane-d4
Concen: 54.939 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

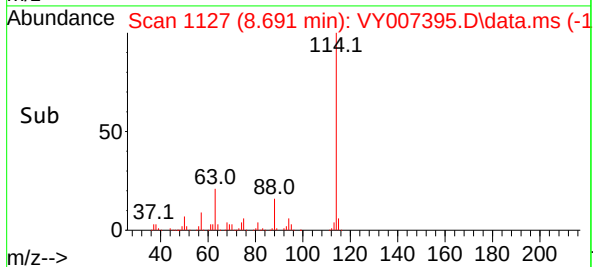
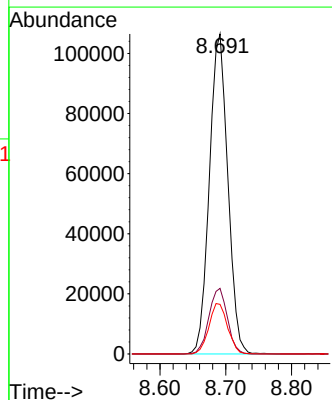
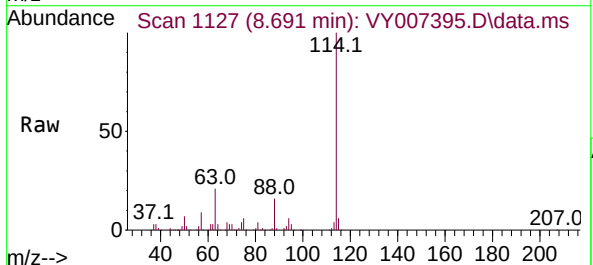
Instrument :
MSVOA_Y
ClientSampleId :
26982

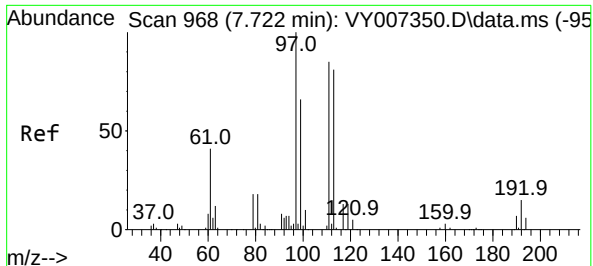
Tgt Ion: 65 Resp: 70081
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

Tgt Ion: 114 Resp: 207443
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.2
88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.829 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

Instrument :

MSVOA_Y

ClientSampleId :

26982

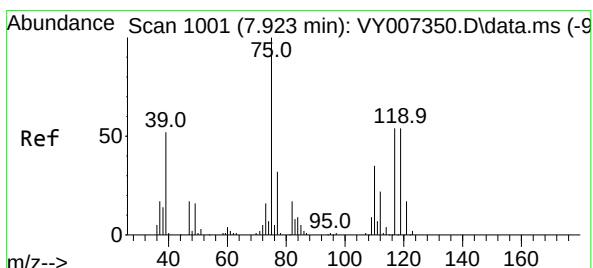
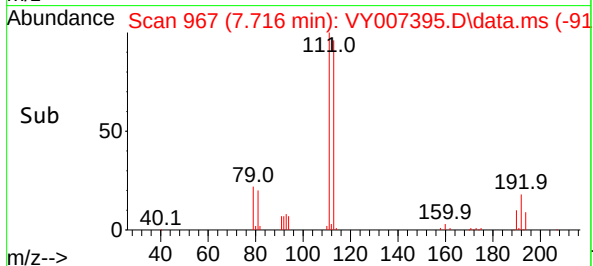
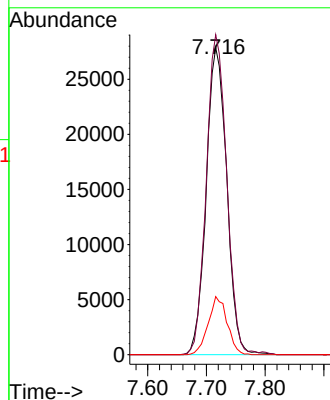
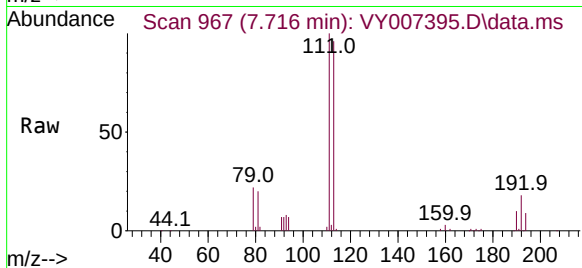
Tgt Ion:113 Resp: 67708

Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

192 17.5 17.6 26.4#



#36

1,1-Dichloropropene

Concen: 4.005 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

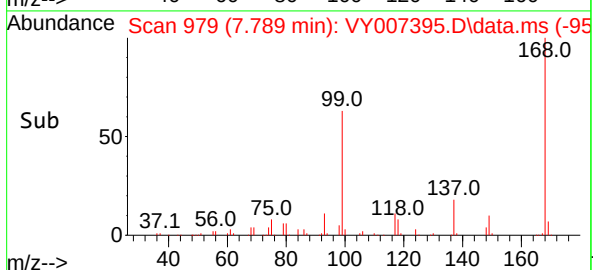
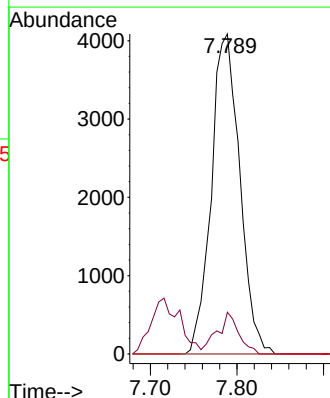
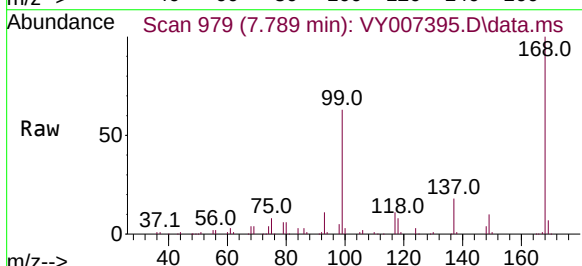
Tgt Ion: 75 Resp: 9327

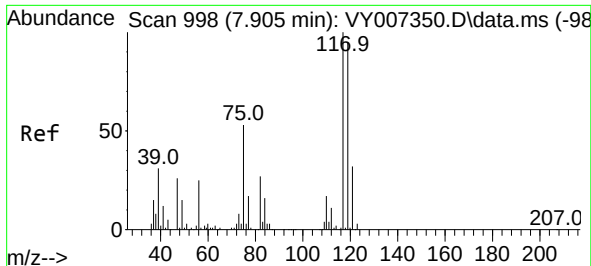
Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#

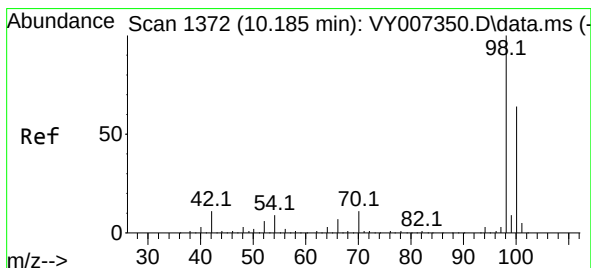
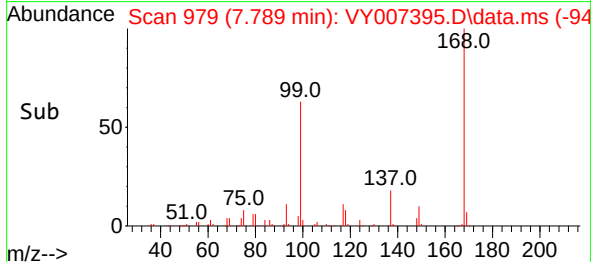
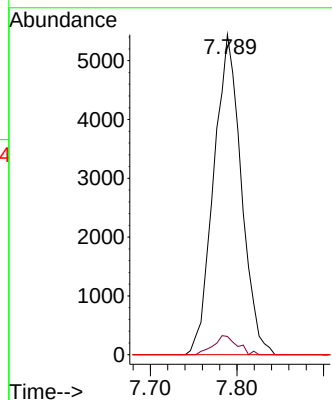
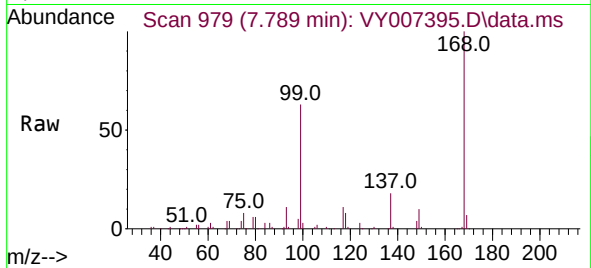




#38
Carbon Tetrachloride
Concen: 4.914 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

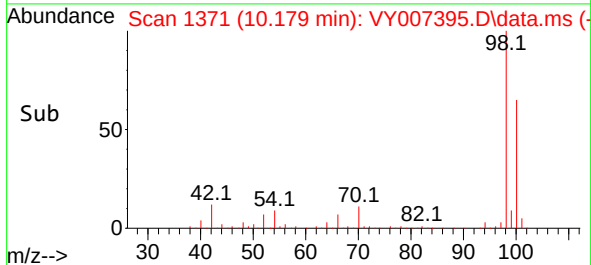
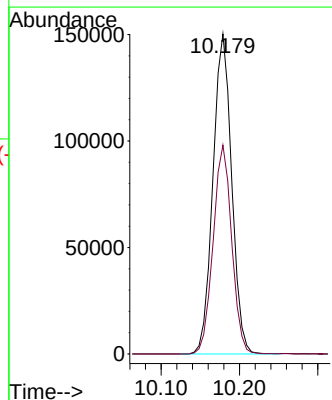
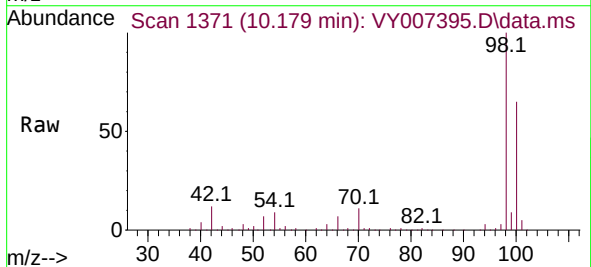
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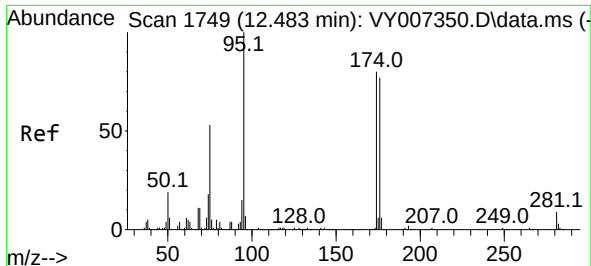
Tgt Ion:117 Resp: 12023
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.735 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

Tgt Ion: 98 Resp: 249686
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 47.800 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

Instrument :

MSVOA_Y

ClientSampleId :

26982

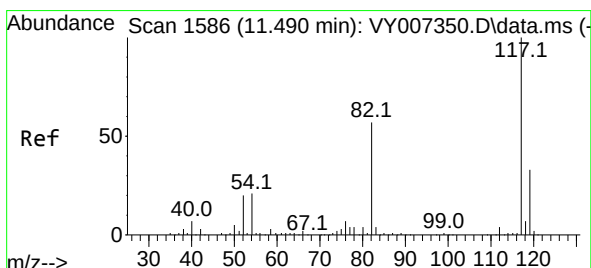
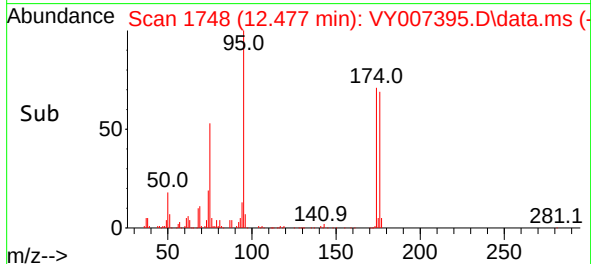
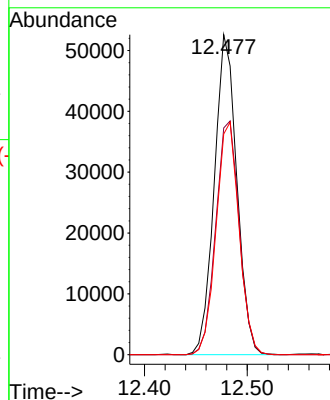
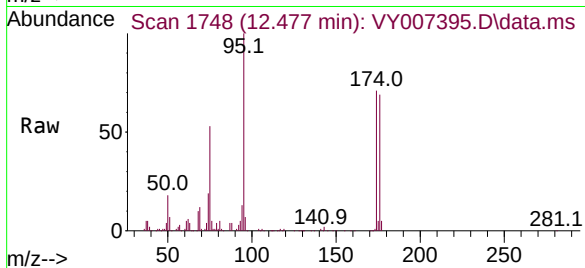
Tgt Ion: 95 Resp: 79955

Ion Ratio Lower Upper

95 100

174 76.1 0.0 177.0

176 73.9 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY007395.D

Acq: 04 Feb 2022 15:26

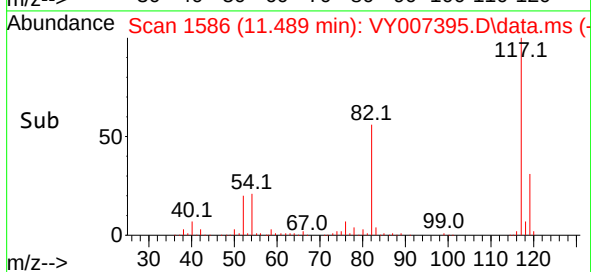
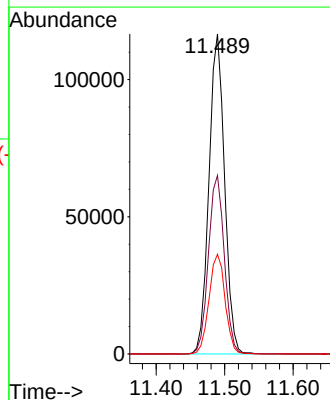
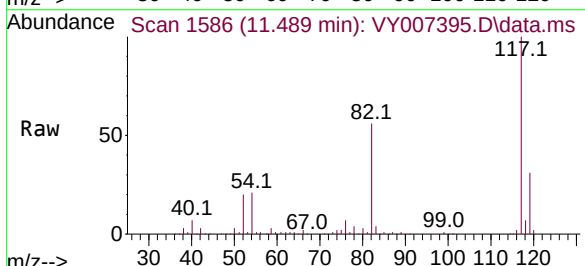
Tgt Ion: 117 Resp: 184905

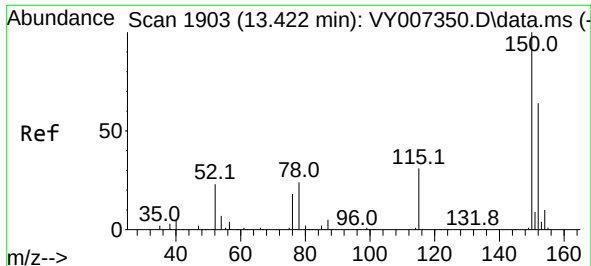
Ion Ratio Lower Upper

117 100

82 55.8 43.0 64.4

119 31.2 25.4 38.0

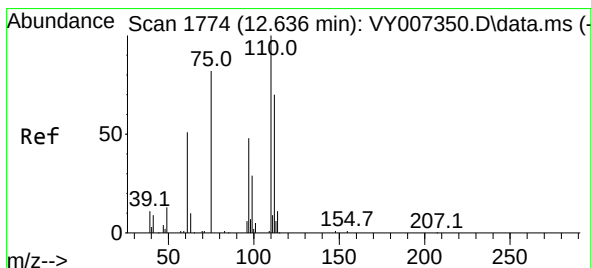
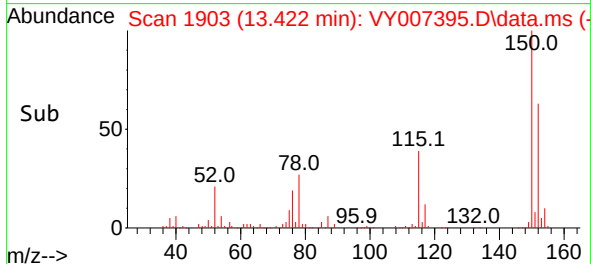
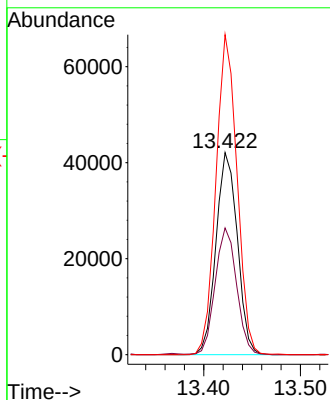
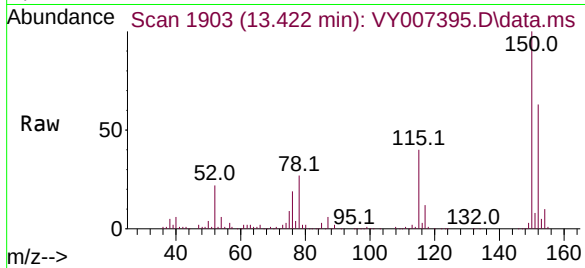




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY007395.D
 Acq: 04 Feb 2022 15:26

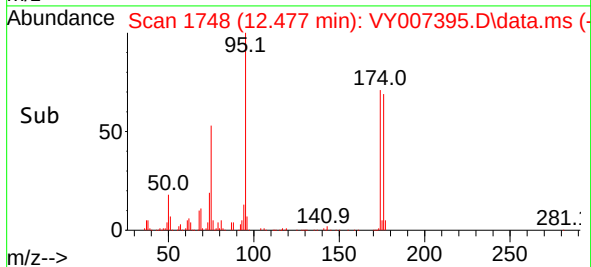
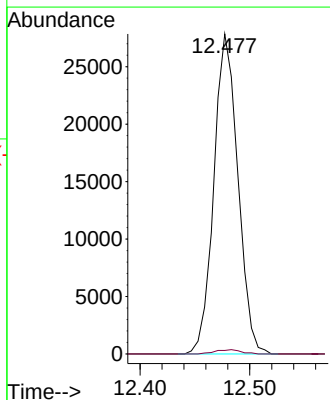
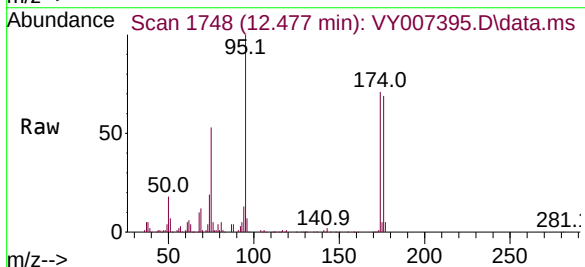
Instrument :
 MSVOA_Y
 ClientSampleId :
 26982

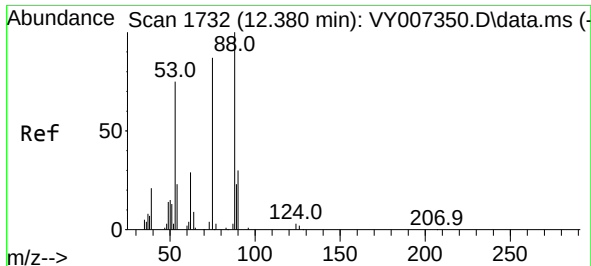
Tgt Ion:152 Resp: 64525
 Ion Ratio Lower Upper
 152 100
 115 63.0 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 55.340 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY007395.D
 Acq: 04 Feb 2022 15:26

Tgt Ion: 75 Resp: 42450
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

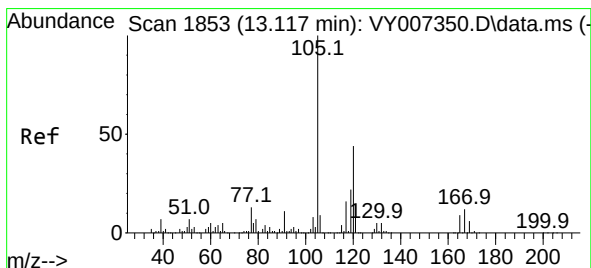
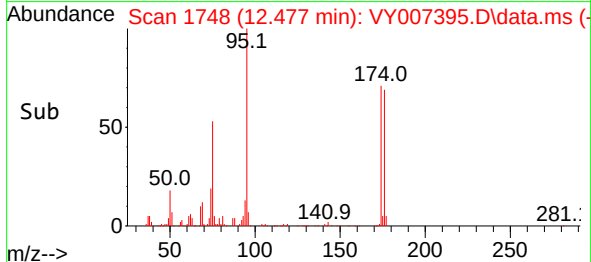
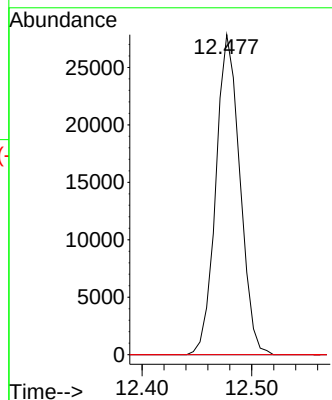
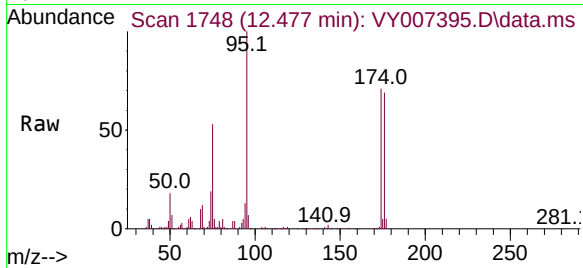




#81
trans-1,4-Dichloro-2-butene
Concen: 110.868 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

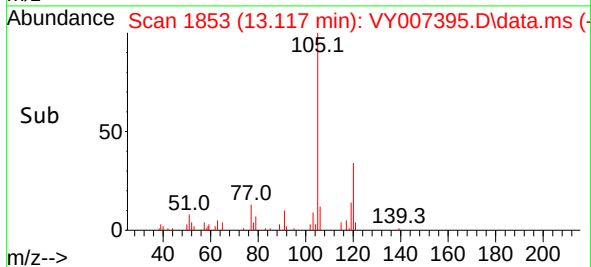
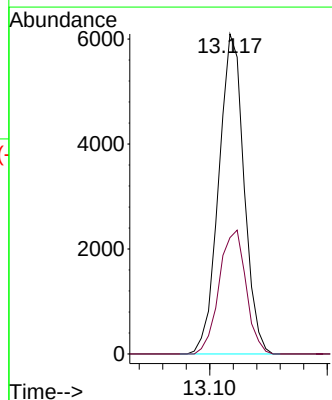
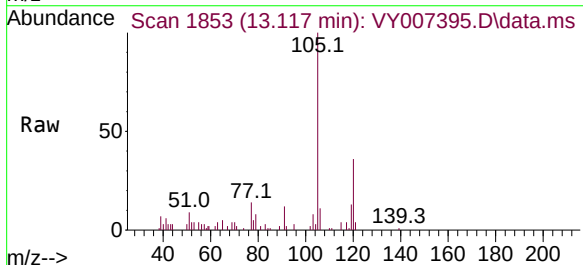
Instrument :
MSVOA_Y
ClientSampleId :
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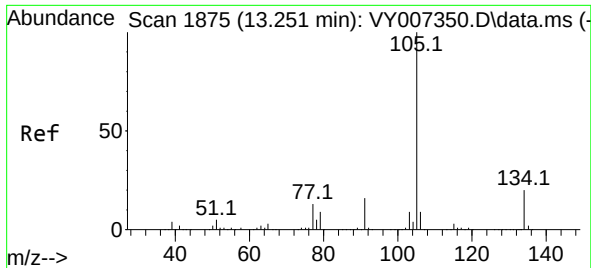
Tgt Ion: 75 Resp: 42450
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.923 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY007395.D
Acq: 04 Feb 2022 15:26

Tgt Ion: 105 Resp: 9107
Ion Ratio Lower Upper
105 100
120 41.0 22.3 66.9

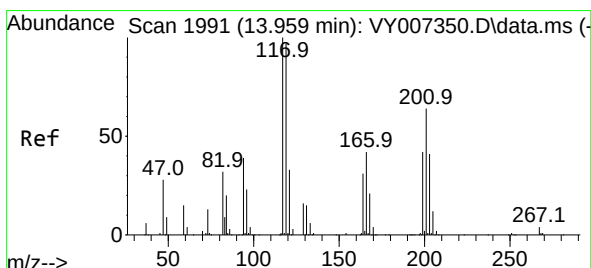
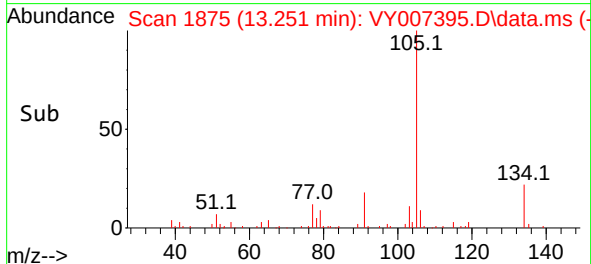
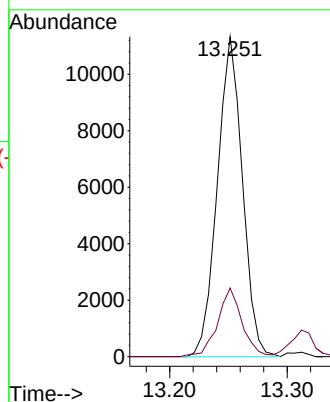
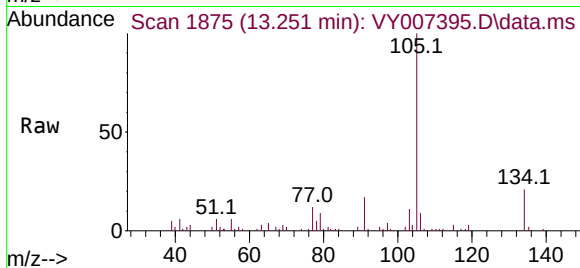




#85
 sec-Butylbenzene
 Concen: 2.676 ug/l
 RT: 13.251 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY007395.D
 Acq: 04 Feb 2022 15:26

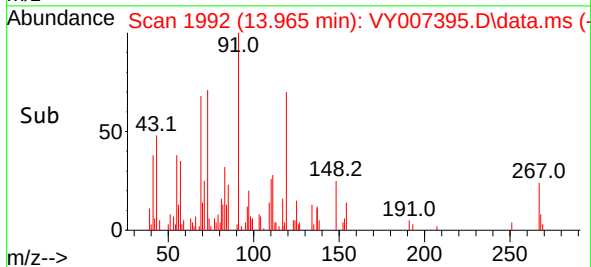
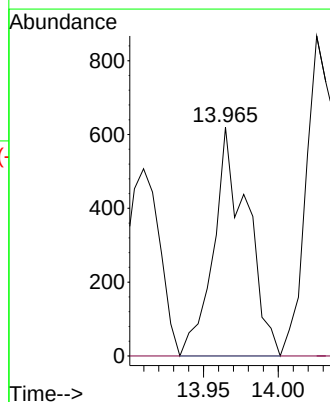
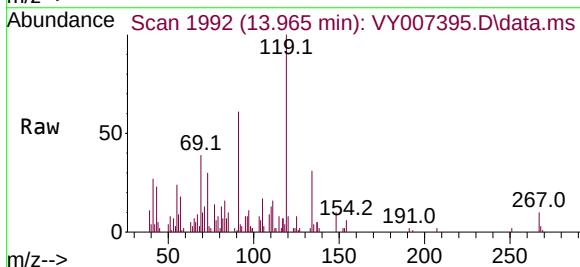
Instrument :
 MSVOA_Y
 ClientSampleId :
 26982

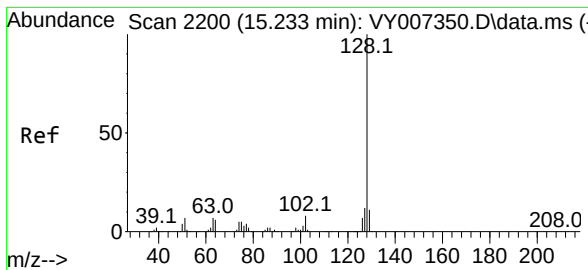
Tgt Ion:105 Resp: 16807
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.4



#90
 Hexachloroethane
 Concen: 1.003 ug/l
 RT: 13.965 min Scan# 1992
 Delta R.T. 0.006 min
 Lab File: VY007395.D
 Acq: 04 Feb 2022 15:26

Tgt Ion:117 Resp: 970
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#





#95
 Naphthalene
 Concen: 1.649 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY007395.D
 Acq: 04 Feb 2022 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 26982

Tgt Ion:128	Resp:	4303
Ion Ratio	Lower	Upper
128	100	
127	21.1	11.0 16.4#
129	12.6	8.4 12.6

