

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007701.D
 Acq On : 03 Mar 2022 13:58
 Operator : SY/MD
 Sample : N1751-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 04 00:41:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

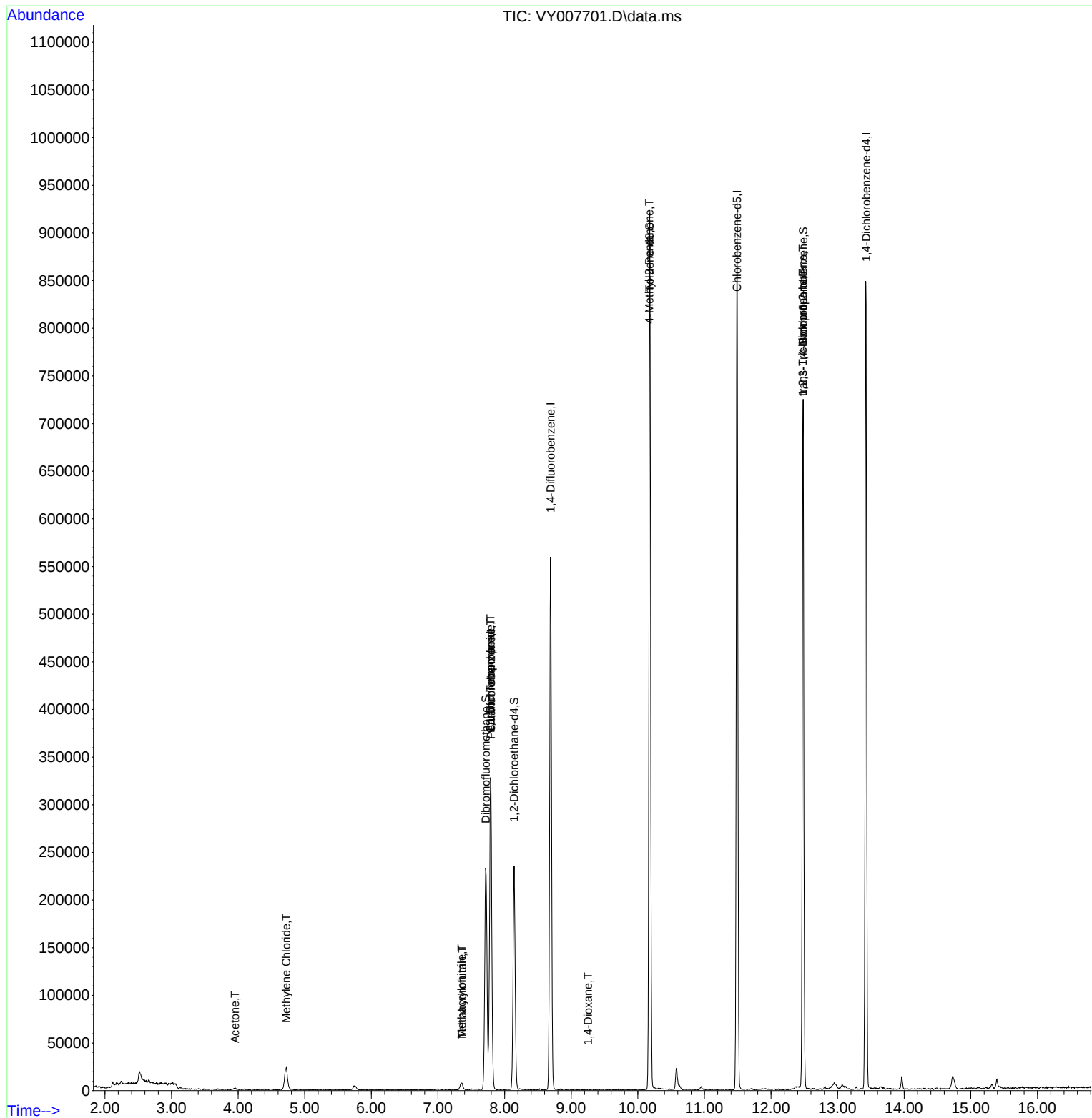
Internal Standards						
1) Pentafluorobenzene	7.795	168	261229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	474684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	481614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	217317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	174659	63.865	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.720%			
35) Dibromofluoromethane	7.716	113	163523	53.883	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.760%			
50) Toluene-d8	10.179	98	599358	53.652	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.300%			
62) 4-Bromofluorobenzene	12.483	95	195446	54.276	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	434	Below Cal	#	43
3) Chloromethane	2.113	50	1947	Below Cal	#	88
13) Acrolein	3.735	56	72	Below Cal	#	14
16) Acetone	3.954	43	3035	5.455	ug/l #	76
18) Methyl Acetate	4.479	43	1000	Below Cal	#	61
20) Methylene Chloride	4.722	84	17400	2.374	ug/l	88
29) Tetrahydrofuran	7.362	42	6114	9.574	ug/l #	86
31) Cyclohexane	7.789	56	5812	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19685	4.123	ug/l #	52
38) Carbon Tetrachloride	7.789	117	25167	4.942	ug/l #	15
41) Methacrylonitrile	7.356	41	3539	2.809	ug/l #	22
49) 1,4-Dioxane	9.252	88	44	1.767	ug/l #	20
51) 4-Methyl-2-Pentanone	10.173	43	2794	1.071	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	111322	45.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	111322	93.775	ug/l #	7

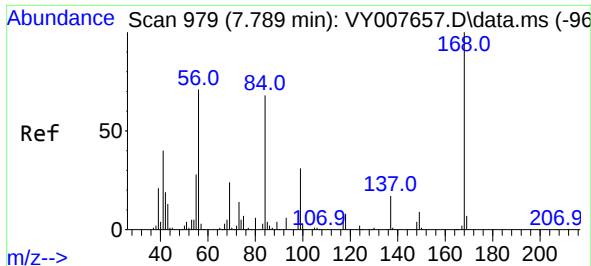
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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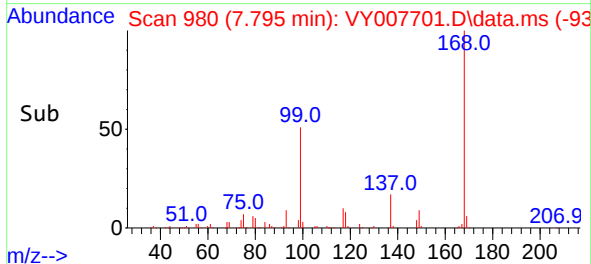
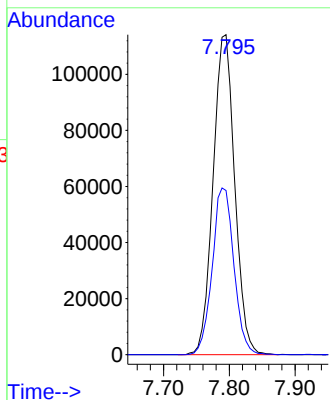
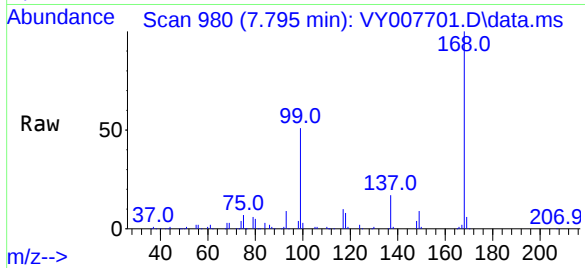




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

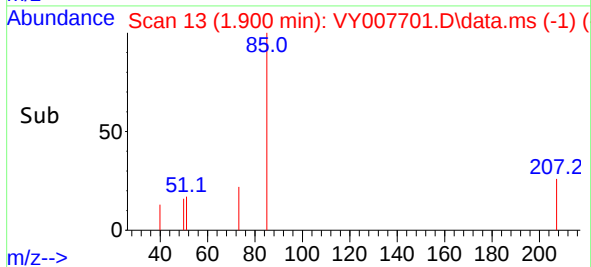
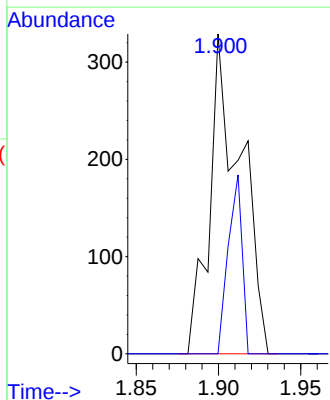
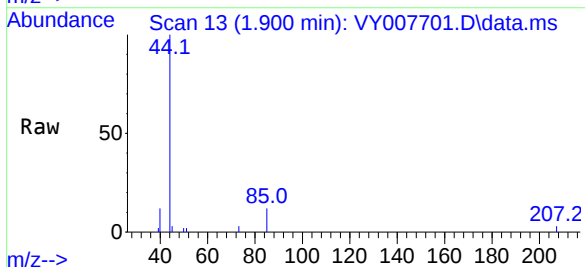
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 261229
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3

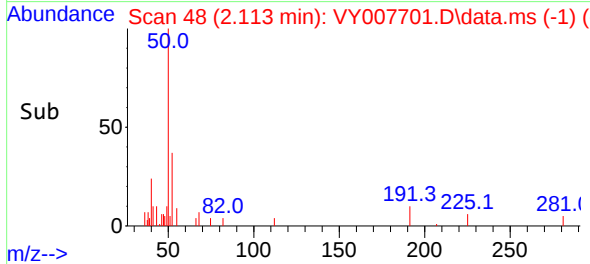
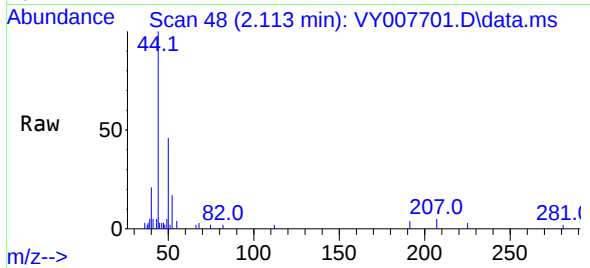
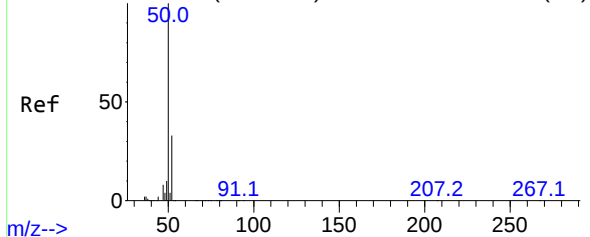


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Tgt Ion: 85 Resp: 434
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA_Y

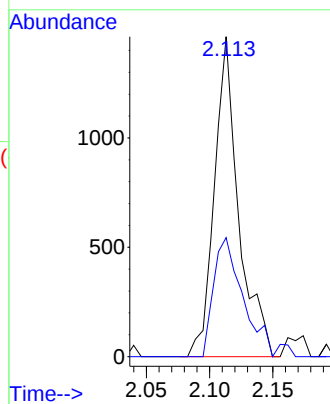
ClientSampleId :

Tgt Ion: 50 Resp: 1947

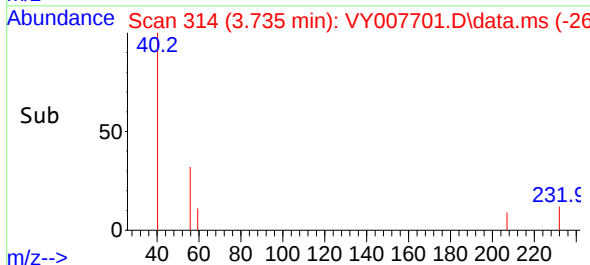
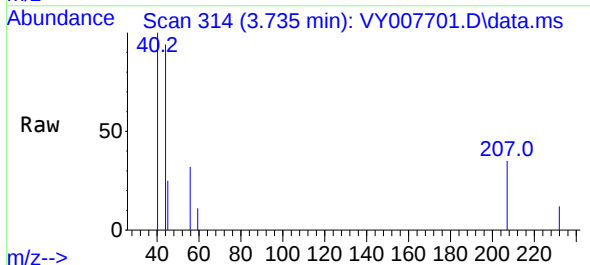
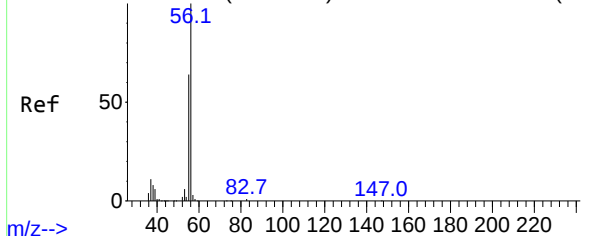
Ion Ratio Lower Upper

50 100

52 37.2 24.6 37.0#



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY007701.D

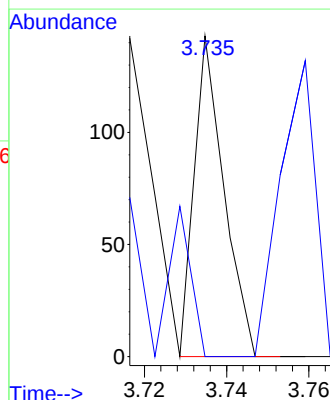
Acq: 03 Mar 2022 13:58

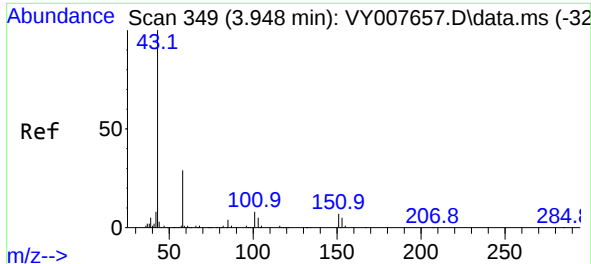
Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#





#16

Acetone

Concen: 5.455 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA_Y

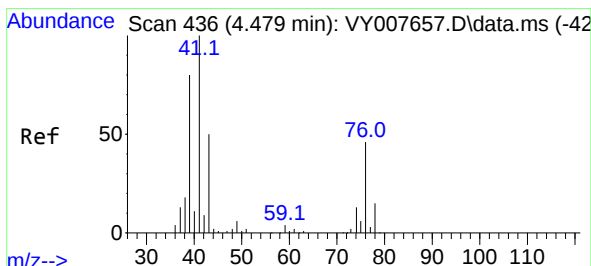
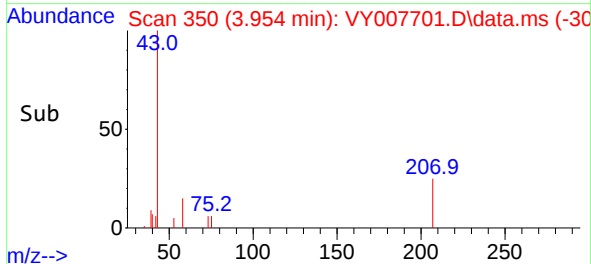
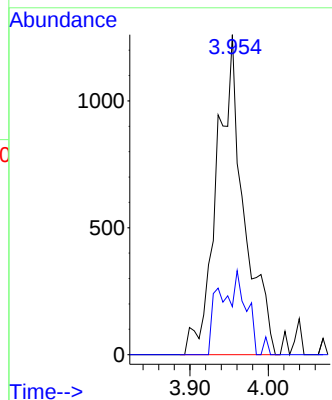
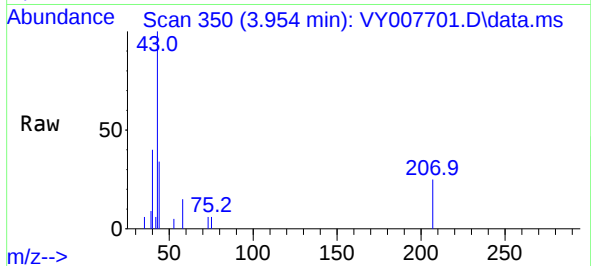
ClientSampleId :

Tgt Ion: 43 Resp: 3035

Ion Ratio Lower Upper

43 100

58 15.0 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY007701.D

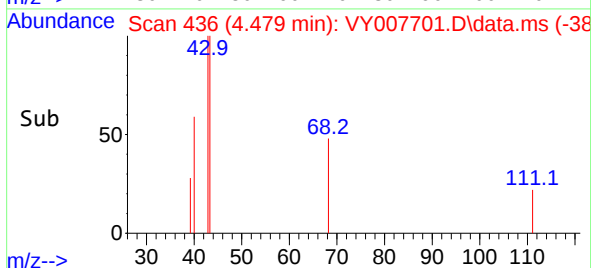
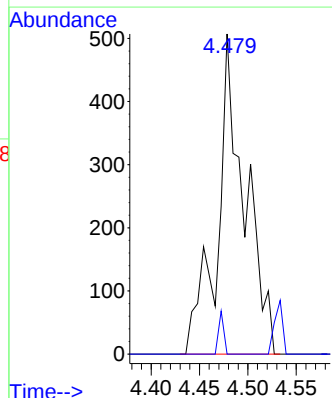
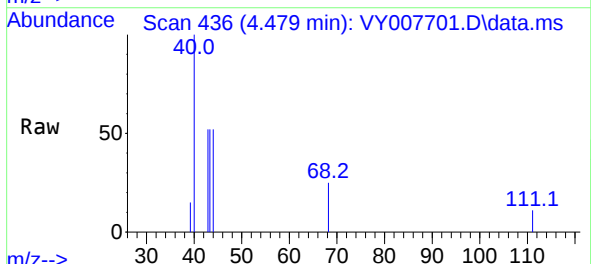
Acq: 03 Mar 2022 13:58

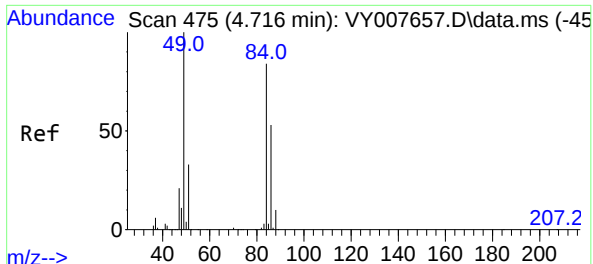
Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

74 2.5 16.6 24.8#

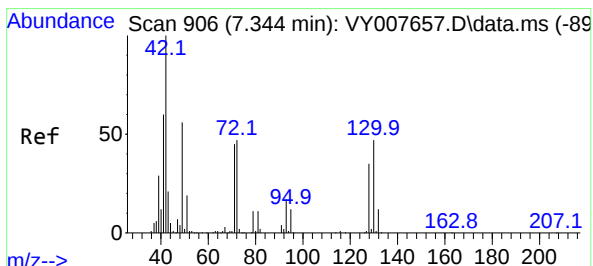
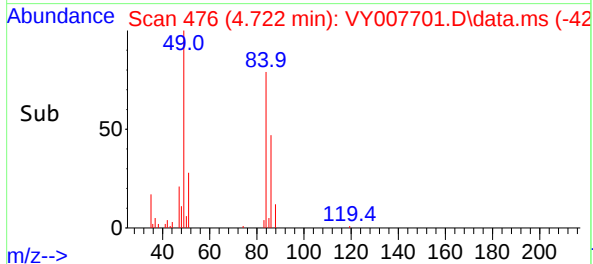
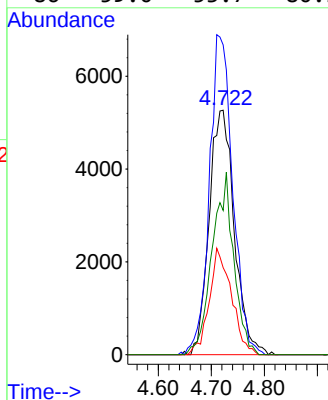
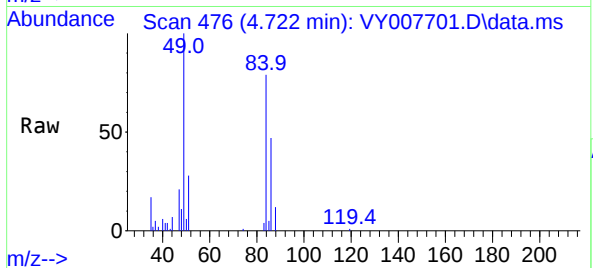




#20
Methylene Chloride
Concen: 2.374 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

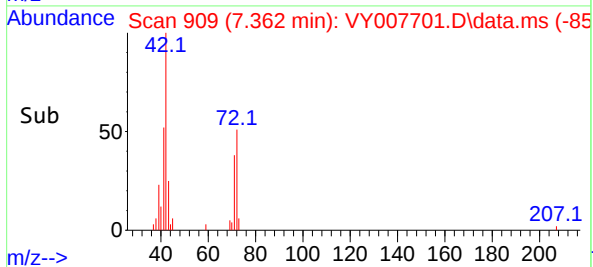
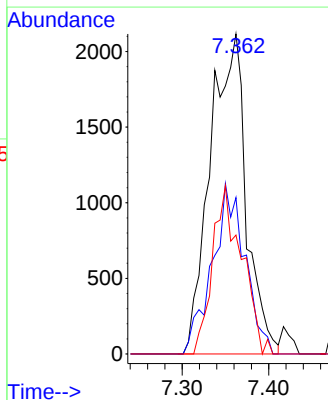
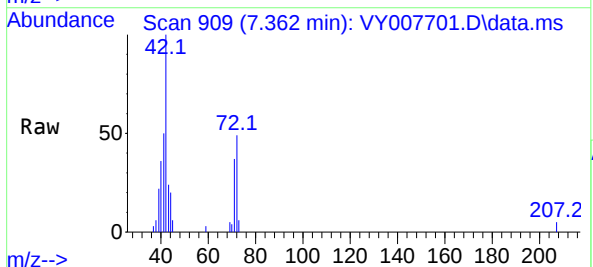
Instrument :
MSVOA_Y
ClientSampleId :

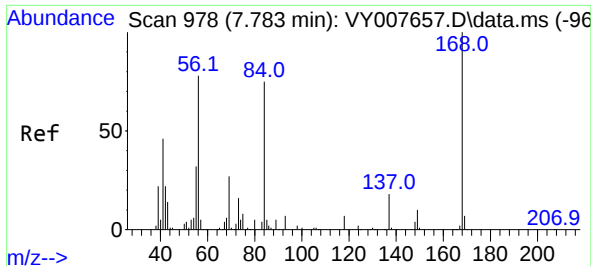
Tgt Ion: 84 Resp: 17400
Ion Ratio Lower Upper
84 100
49 126.6 114.4 171.6
51 35.6 35.3 52.9
86 59.0 53.7 80.5



#29
Tetrahydrofuran
Concen: 9.574 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

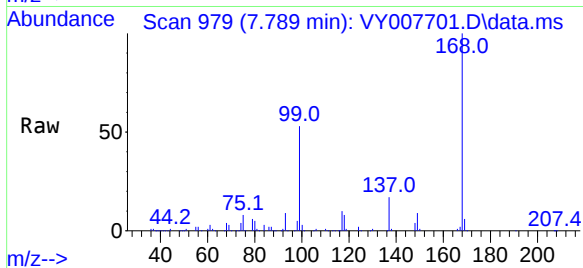
Tgt Ion: 42 Resp: 6114
Ion Ratio Lower Upper
42 100
72 48.2 30.3 45.5#
71 42.7 29.0 43.4



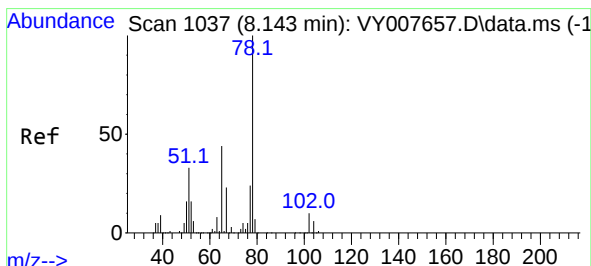
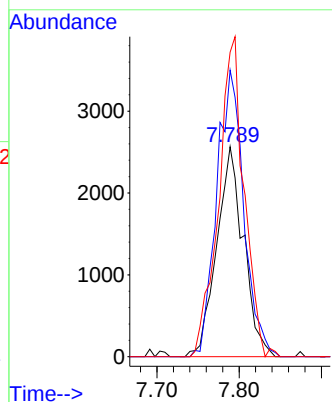
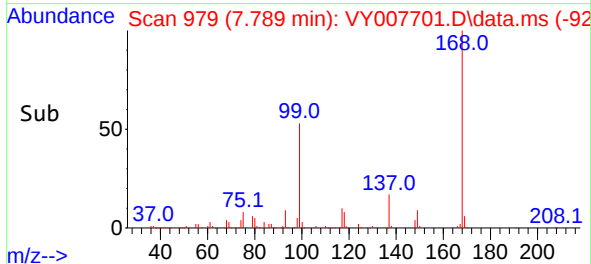


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Instrument :
MSVOA_Y
ClientSampleId :

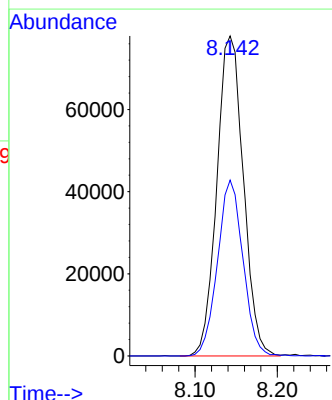
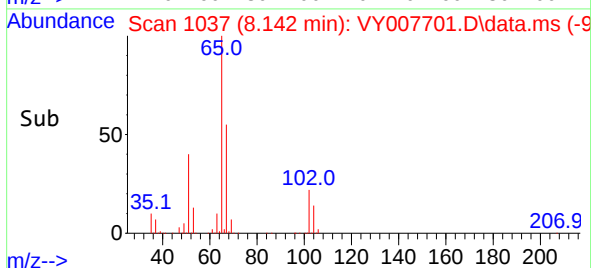
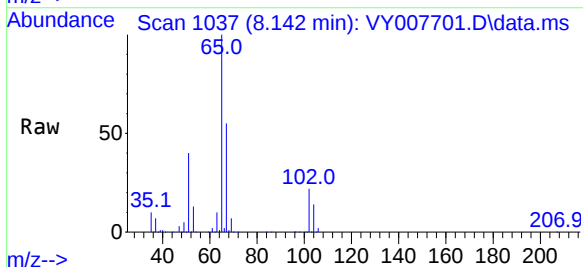


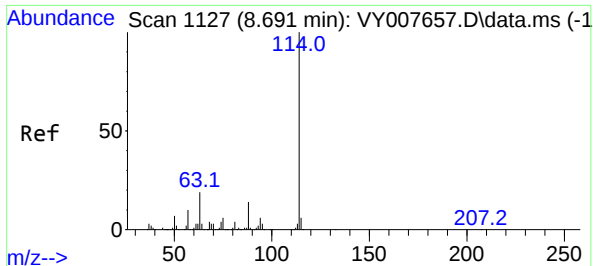
Tgt Ion: 56 Resp: 5812
Ion Ratio Lower Upper
56 100
69 136.4 26.7 40.1#
84 145.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.865 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Tgt Ion: 65 Resp: 174659
Ion Ratio Lower Upper
65 100
67 52.8 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: VY007701.D

Acq: 03 Mar 2022 13:58

Instrument :

MSVOA_Y

ClientSampleId :

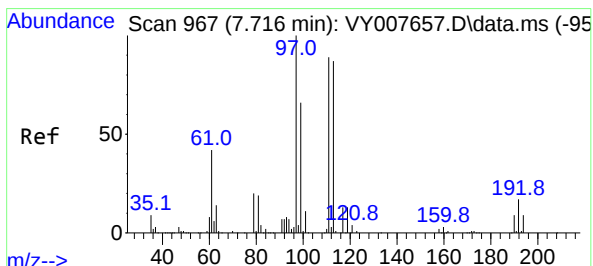
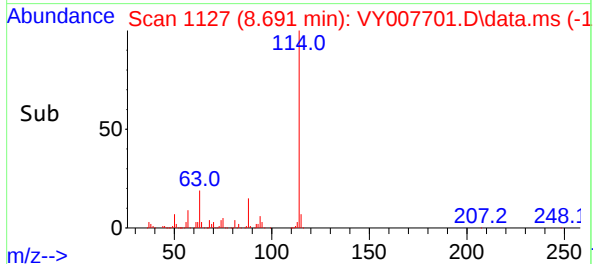
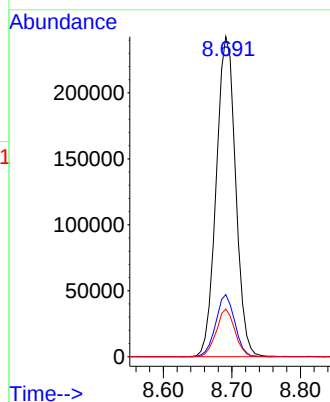
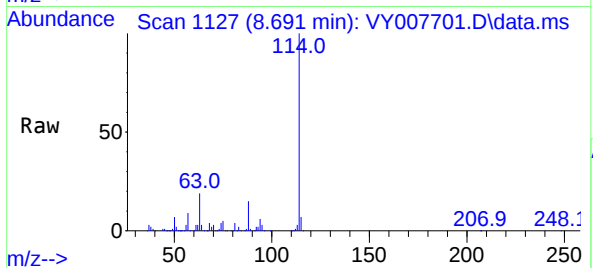
Tgt Ion:114 Resp: 474684

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.883 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007701.D

Acq: 03 Mar 2022 13:58

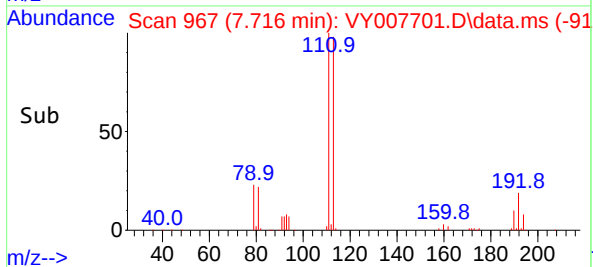
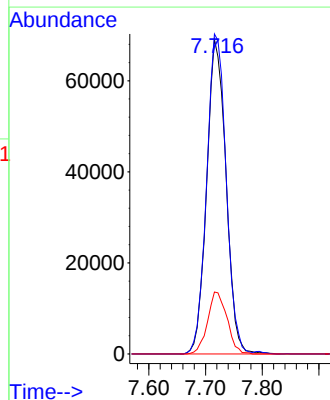
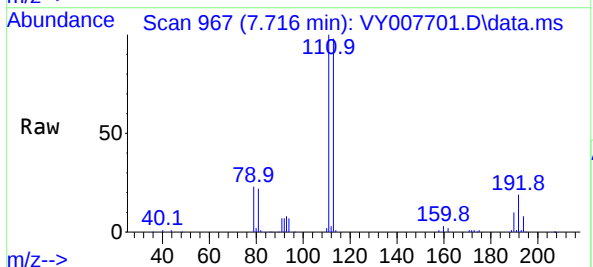
Tgt Ion:113 Resp: 163523

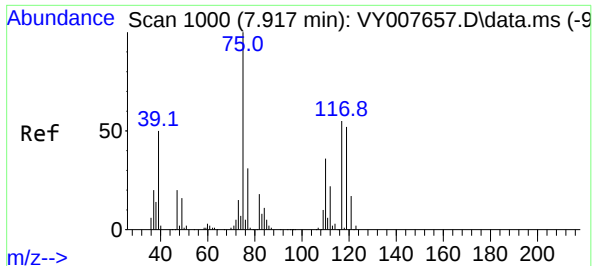
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

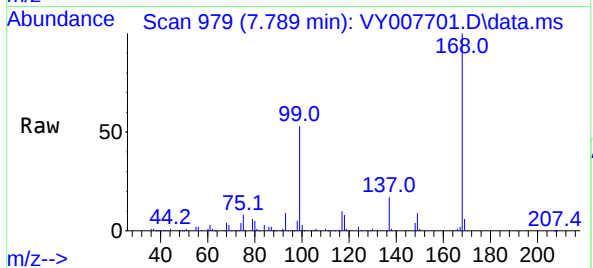
192 19.8 17.6 26.4



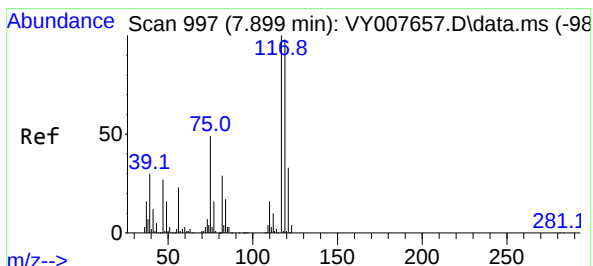
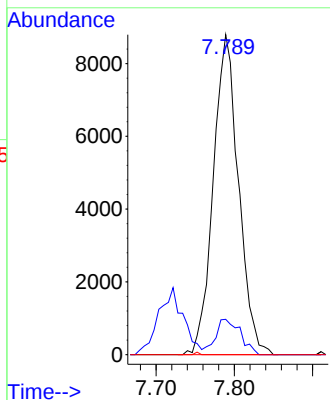
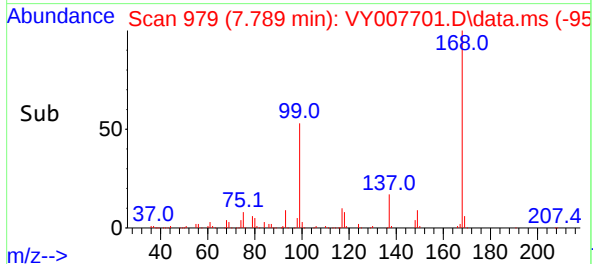


#36
1,1-Dichloropropene
Concen: 4.123 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

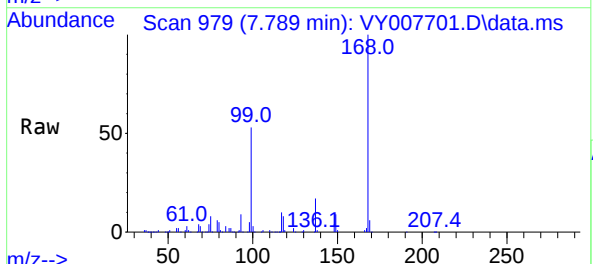
Instrument :
MSVOA_Y
ClientSampleId :



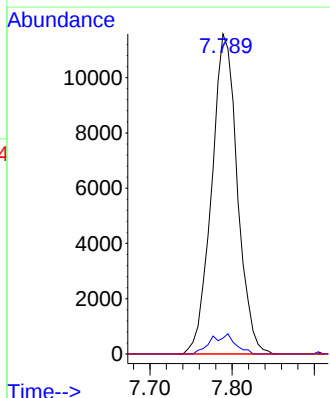
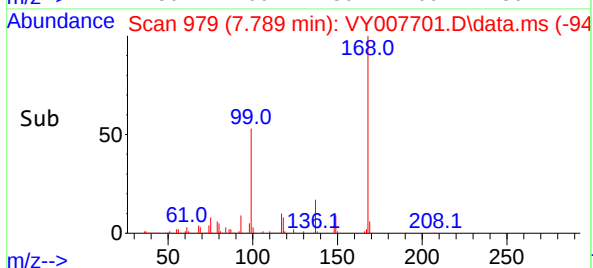
Tgt Ion: 75 Resp: 19685
Ion Ratio Lower Upper
75 100
110 11.0 17.1 51.2#
77 0.0 24.4 36.6#

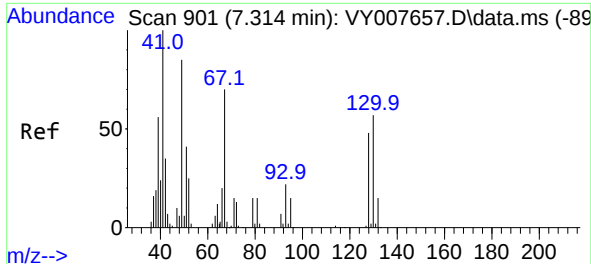


#38
Carbon Tetrachloride
Concen: 4.942 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58



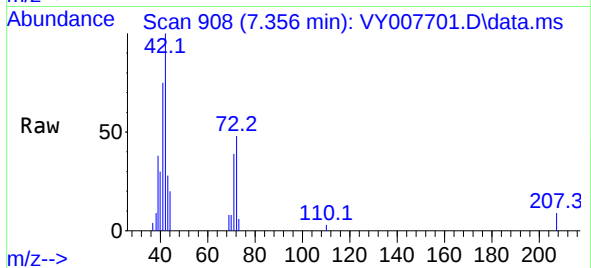
Tgt Ion: 117 Resp: 25167
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



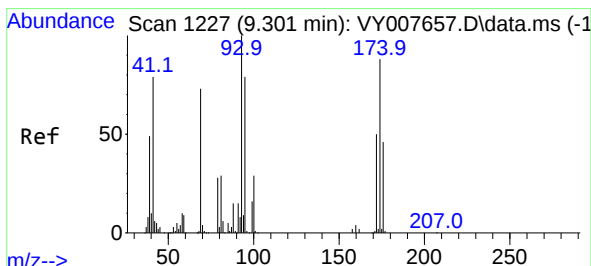
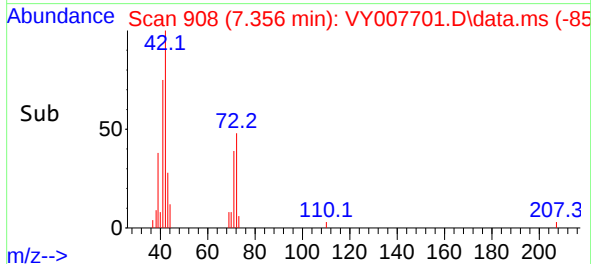
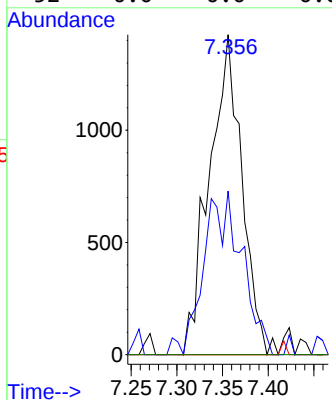


#41
Methacrylonitrile
Concen: 2.809 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.042 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Instrument :
MSVOA_Y
ClientSampleId :

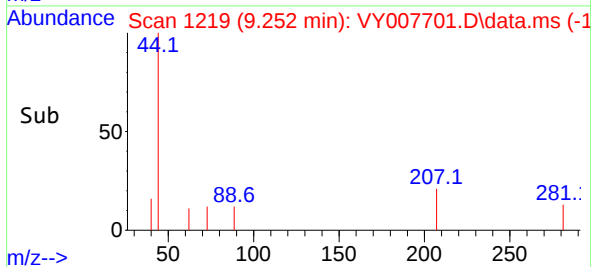
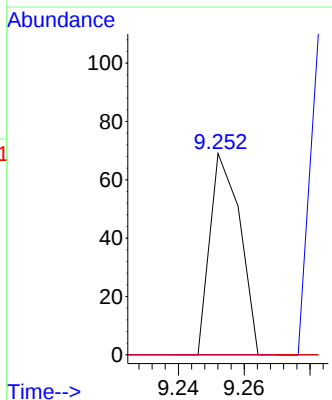
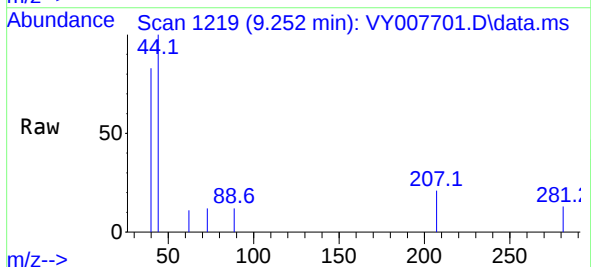


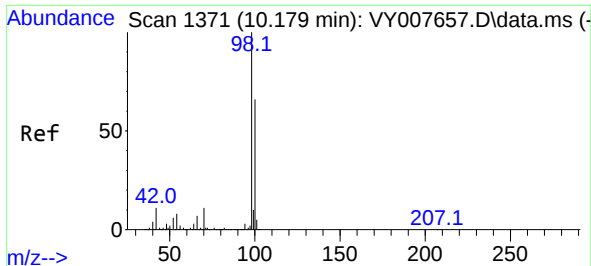
Tgt Ion: 41 Resp: 3539
Ion Ratio Lower Upper
41 100
39 31.6 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#49
1,4-Dioxane
Concen: 1.767 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.049 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 0.0 59.8 89.6#

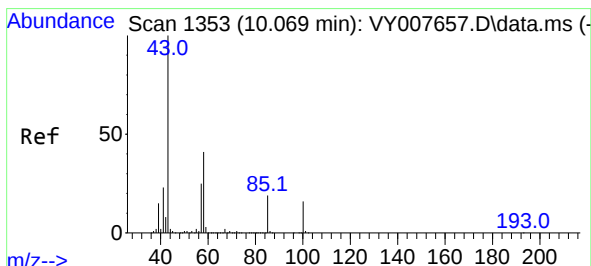
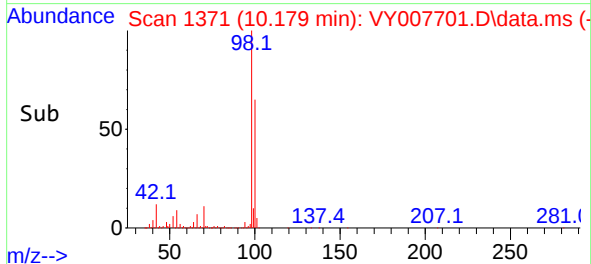
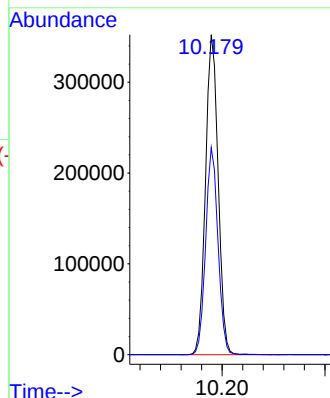
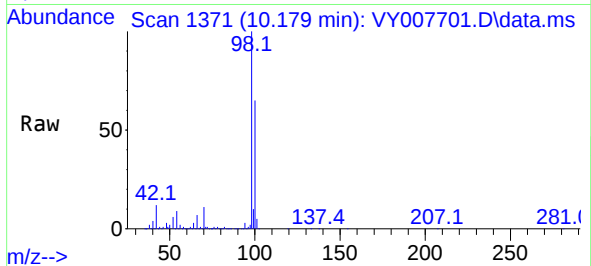




#50
Toluene-d8
Concen: 53.652 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

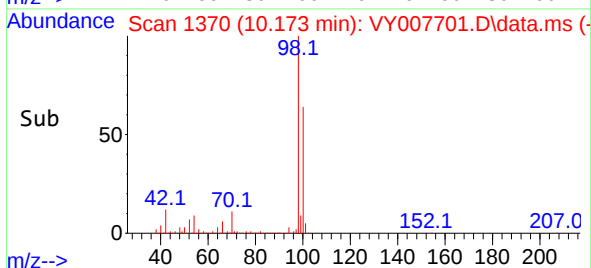
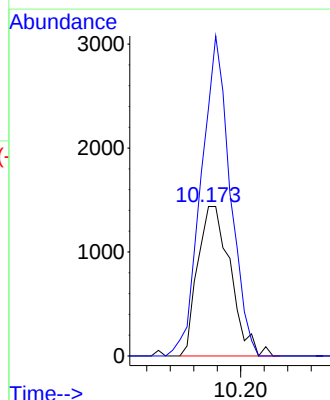
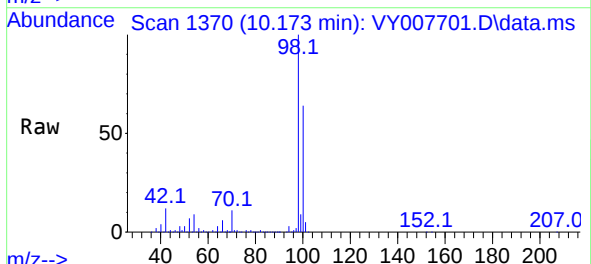
Instrument :
MSVOA_Y
ClientSampleId :

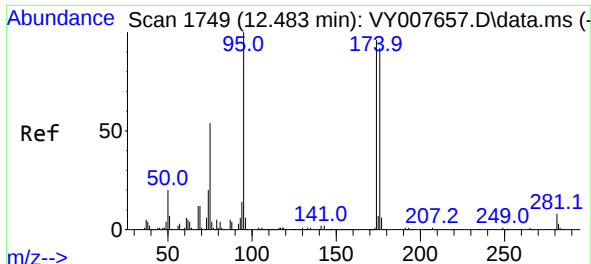
Tgt Ion: 98 Resp: 599358
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.071 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Tgt Ion: 43 Resp: 2794
Ion Ratio Lower Upper
43 100
58 189.1 28.1 42.1#

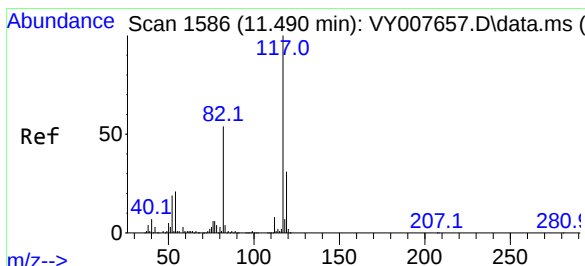
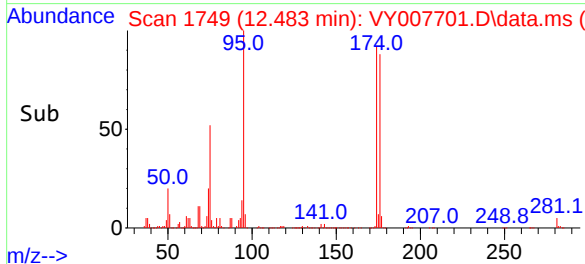
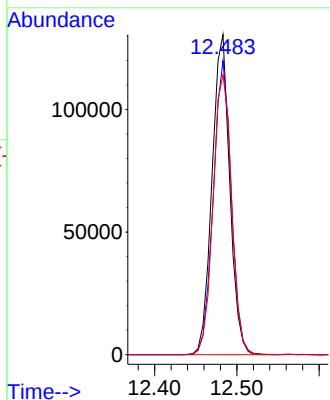
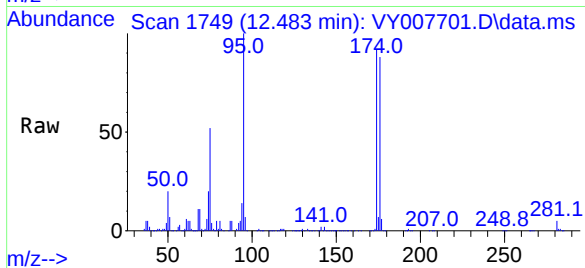




#62
4-Bromofluorobenzene
Concen: 54.276 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

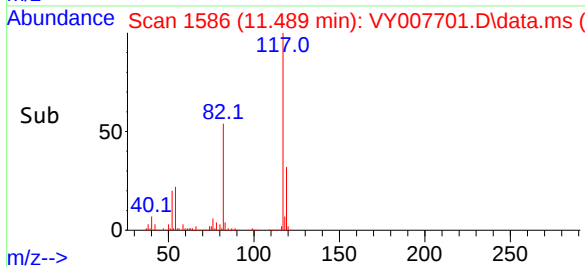
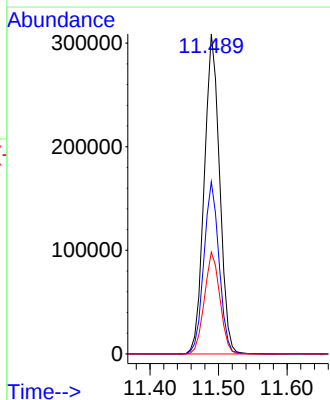
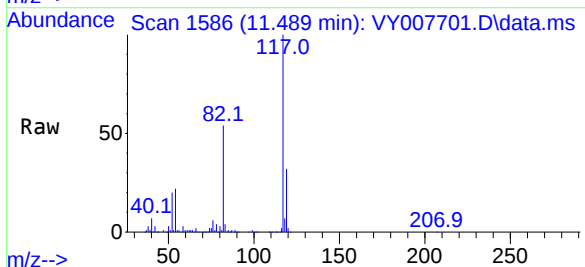
Instrument :
MSVOA_Y
ClientSampleId :

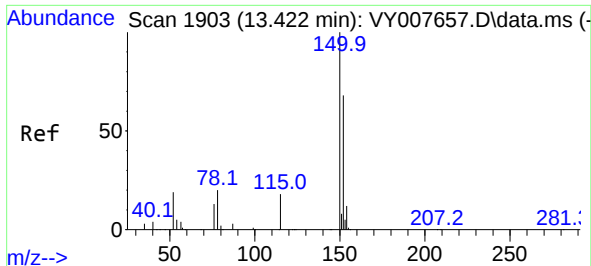
Tgt Ion: 95 Resp: 195446
Ion Ratio Lower Upper
95 100
174 93.0 0.0 177.0
176 91.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

Tgt Ion: 117 Resp: 481614
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 31.8 25.4 38.0

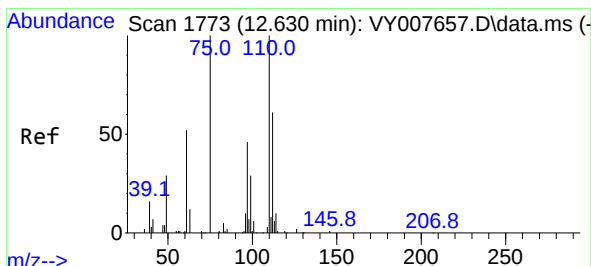
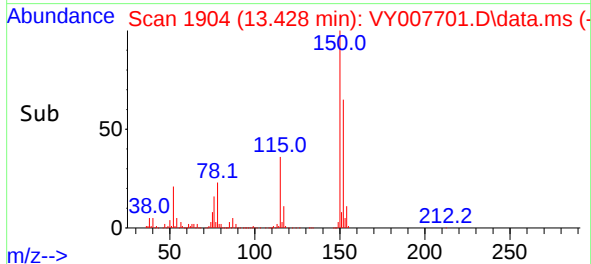
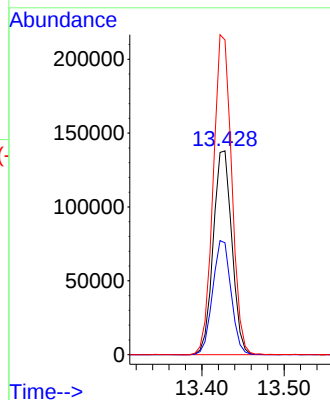
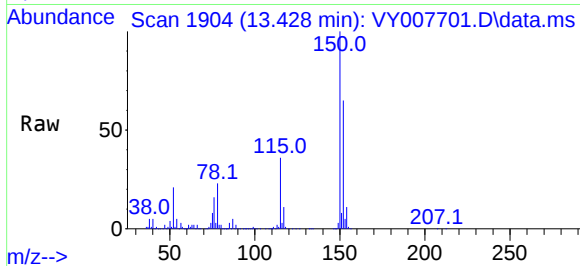




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

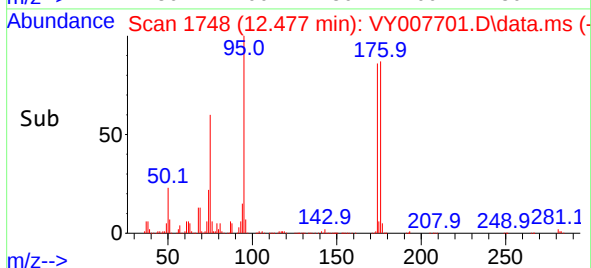
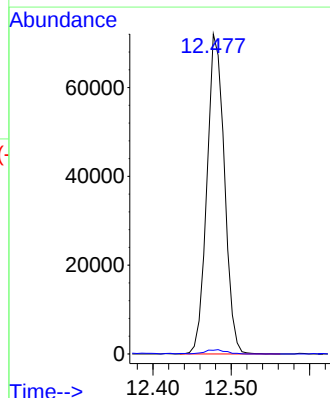
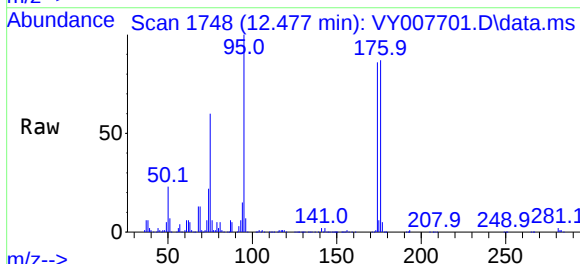
Instrument :
MSVOA_Y
ClientSampleId :

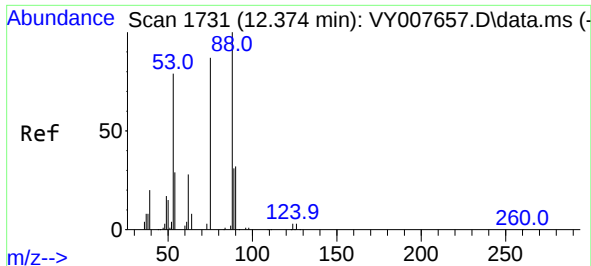
Tgt Ion:152 Resp: 217317
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 155.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 45.870 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007701.D
Acq: 03 Mar 2022 13:58

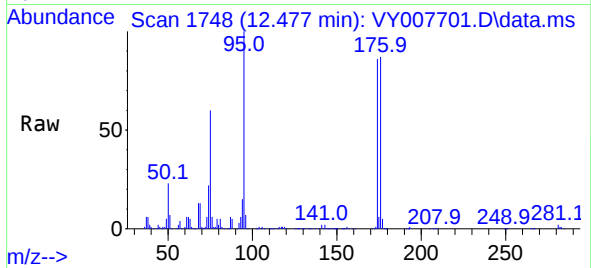
Tgt Ion: 75 Resp: 111322
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.775 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY007701.D
 Acq: 03 Mar 2022 13:58

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 111322
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.1 37.0 55.4#

