

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111324\
 Data File : VY020286.D
 Acq On : 13 Nov 2024 16:26
 Operator : SY/MD
 Sample : P4821-07
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 14 00:59:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

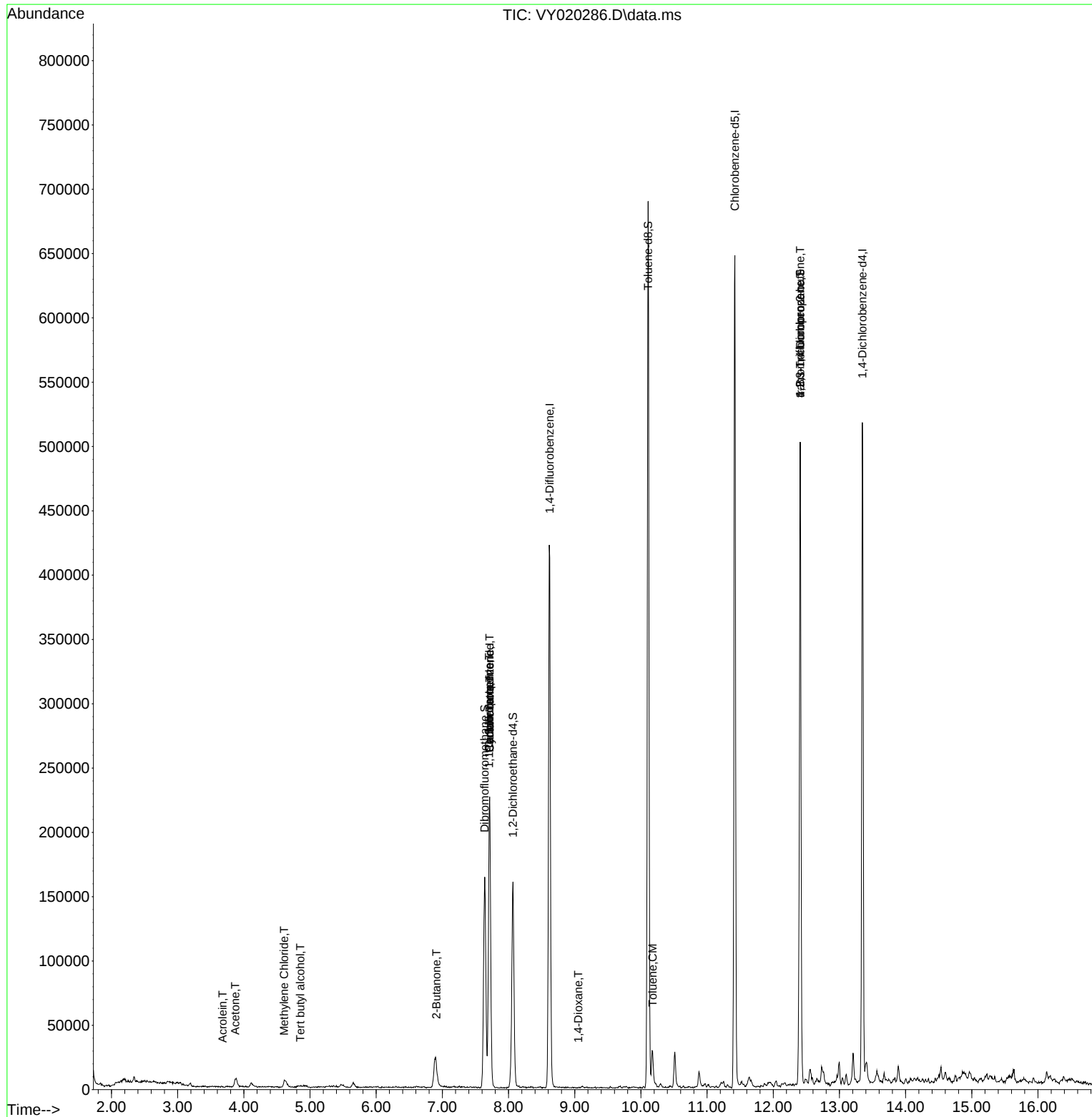
Internal Standards						
1) Pentafluorobenzene	7.713	168	157923	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	339010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	319959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	114840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114178	57.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.860%			
35) Dibromofluoromethane	7.640	113	115339	53.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.020%			
50) Toluene-d8	10.109	98	424560	49.485	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.407	95	142870	51.268	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 102.540%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.854	59	1315	9.275	ug/l #	95
13) Acrolein	3.677	56	321	1.819	ug/l #	43
16) Acetone	3.872	43	12867	28.072	ug/l	88
20) Methylene Chloride	4.610	84	3288	1.597	ug/l #	88
25) 2-Butanone	6.908	43	4258	6.853	ug/l #	63
31) Cyclohexane	7.713	56	5037	1.408	ug/l #	50
36) 1,1-Dichloropropene	7.707	75	16408	4.928	ug/l #	49
38) Carbon Tetrachloride	7.713	117	17695	5.285	ug/l #	15
49) 1,4-Dioxane	9.054	88	58	4.471	ug/l #	20
52) Toluene	10.176	92	11229	1.874	ug/l	98
76) 1,2,3-Trichloropropane	12.407	75	83081	77.177	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	83081	166.004	ug/l #	16

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

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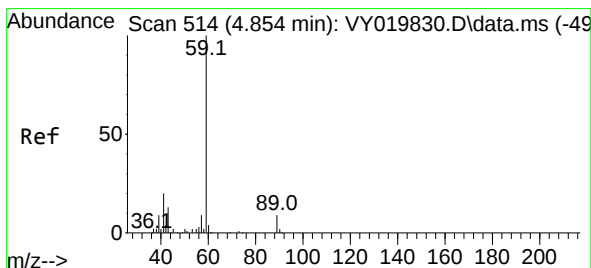
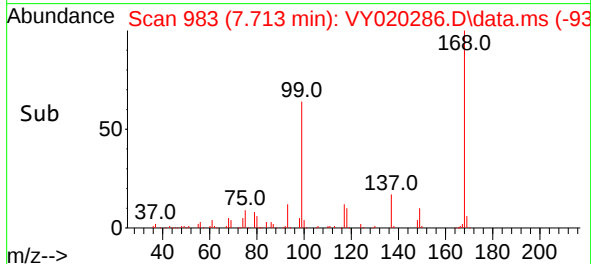
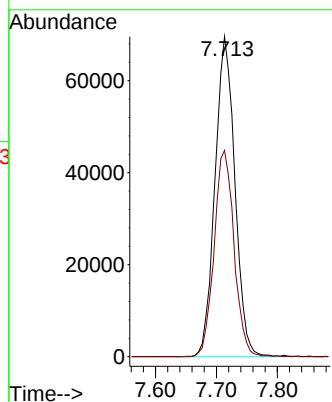
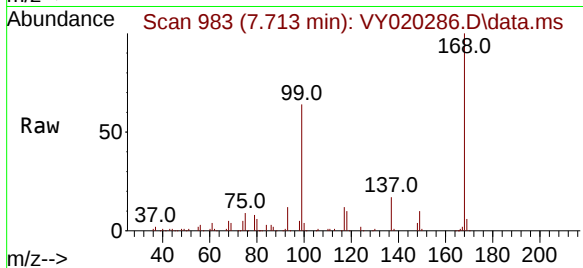




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

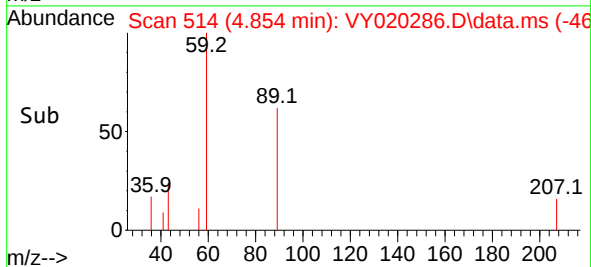
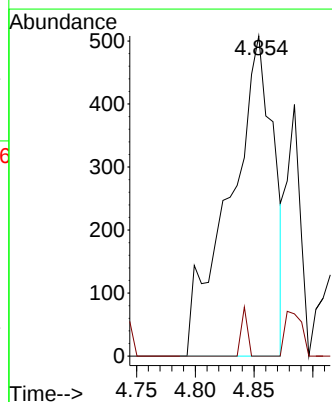
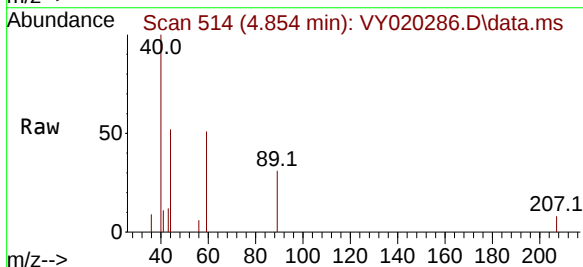
Instrument :
MSVOA_Y
ClientSampleId :

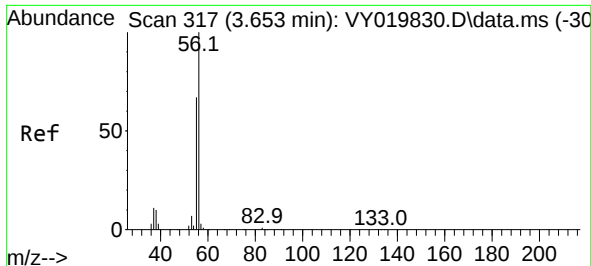
Tgt Ion:168 Resp: 157923
Ion Ratio Lower Upper
168 100
99 64.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 9.275 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Tgt Ion: 59 Resp: 1315
Ion Ratio Lower Upper
59 100
57 2.2 3.0 4.6#





#13

Acrolein

Concen: 1.819 ug/l

RT: 3.677 min Scan# 317

Delta R.T. 0.024 min

Lab File: VY020286.D

Acq: 13 Nov 2024 16:26

Instrument :

MSVOA_Y

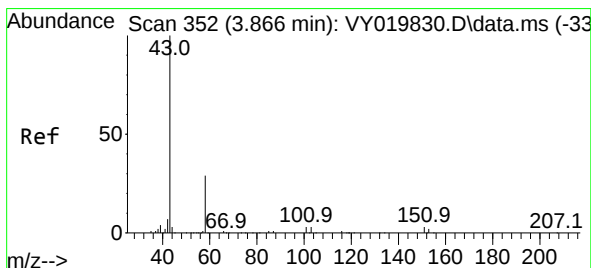
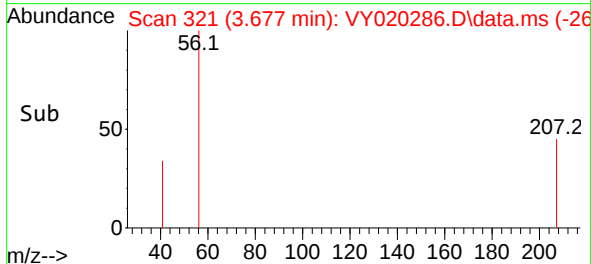
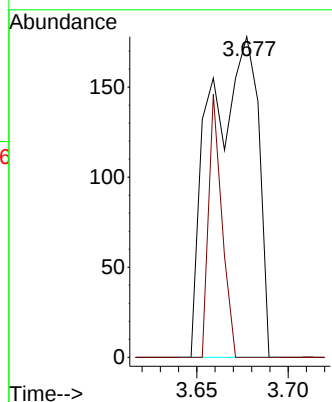
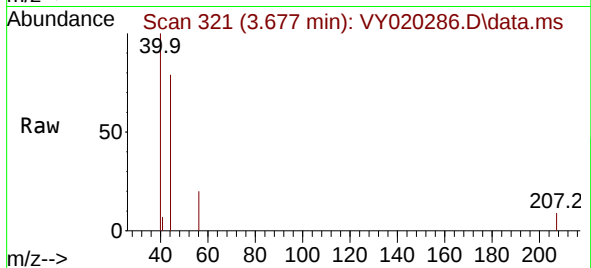
ClientSampleId :

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 23.1 55.7 83.5#



#16

Acetone

Concen: 28.072 ug/l

RT: 3.872 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY020286.D

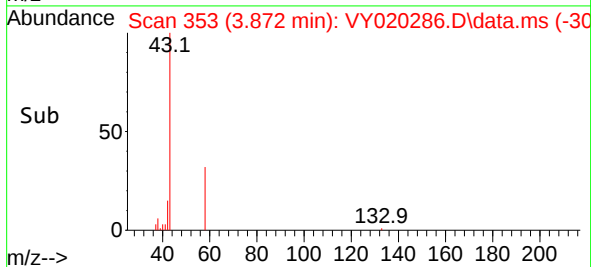
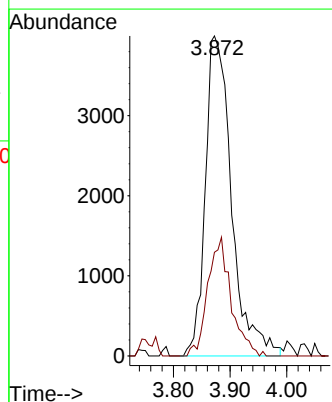
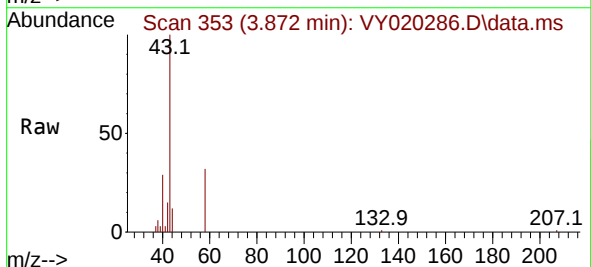
Acq: 13 Nov 2024 16:26

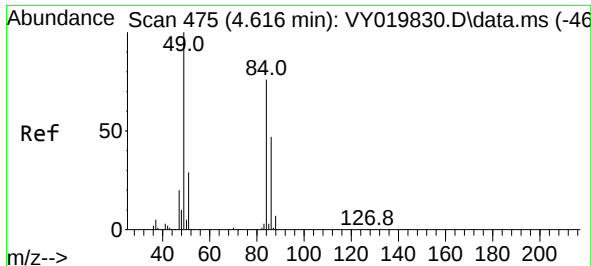
Tgt Ion: 43 Resp: 12867

Ion Ratio Lower Upper

43 100

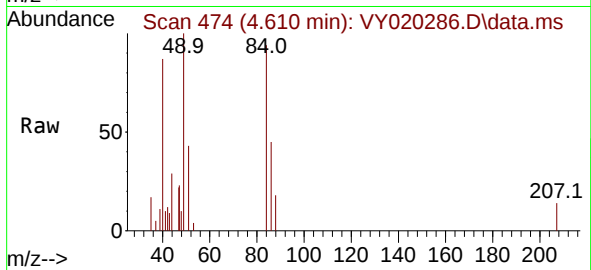
58 32.4 31.7 47.5



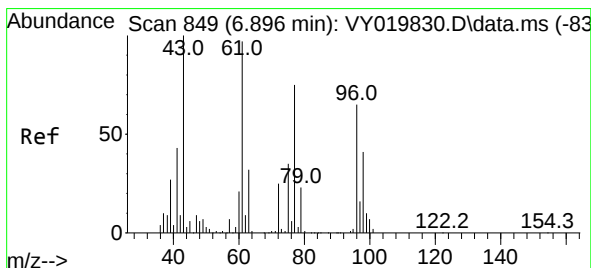
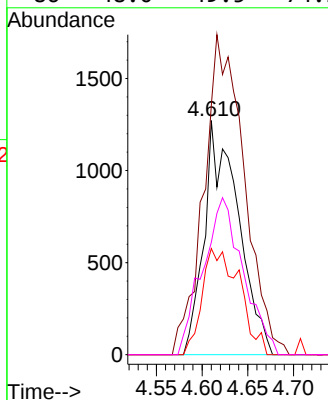
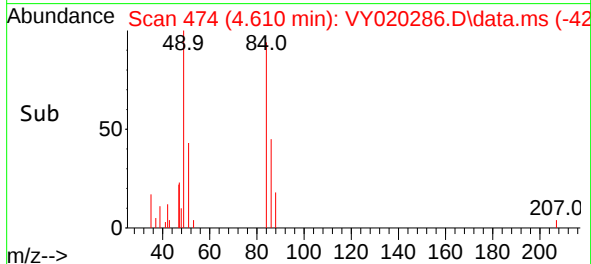


#20
Methylene Chloride
Concen: 1.597 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Instrument :
MSVOA_Y
ClientSampleId :

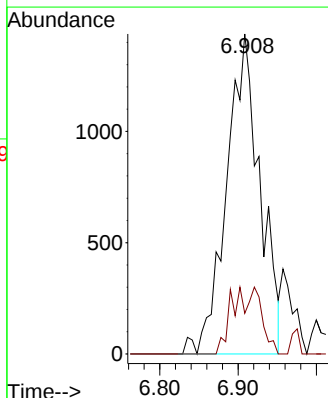
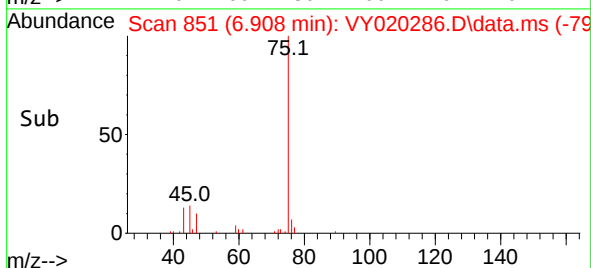
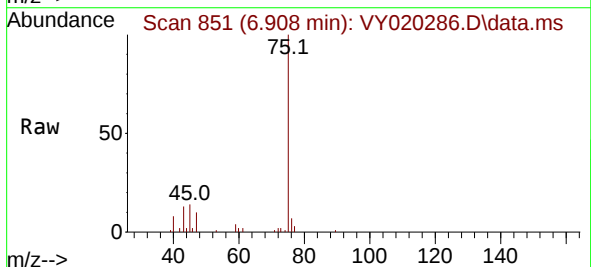


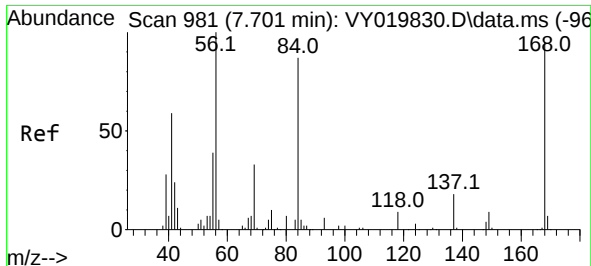
Tgt Ion:	84	Resp:	3288
Ion	Ratio	Lower	Upper
84	100		
49	101.0	84.4	126.6
51	45.3	26.0	39.0#
86	48.0	49.5	74.3#



#25
2-Butanone
Concen: 6.853 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Tgt Ion:	43	Resp:	4258
Ion	Ratio	Lower	Upper
43	100		
72	12.7	27.3	40.9#

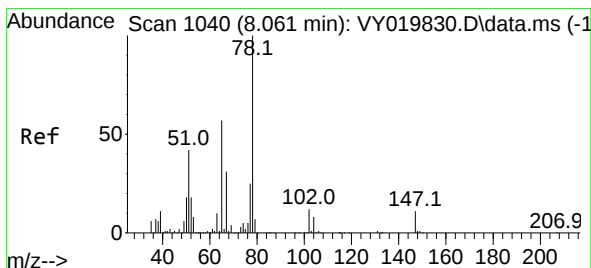
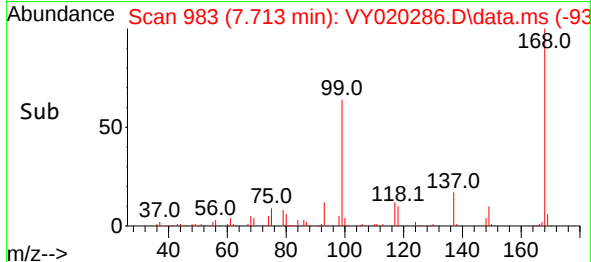
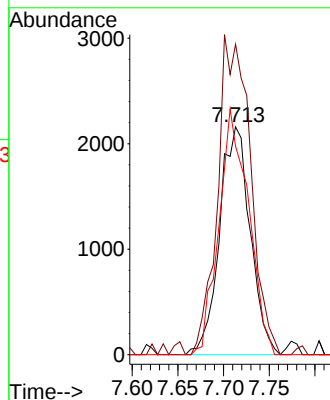
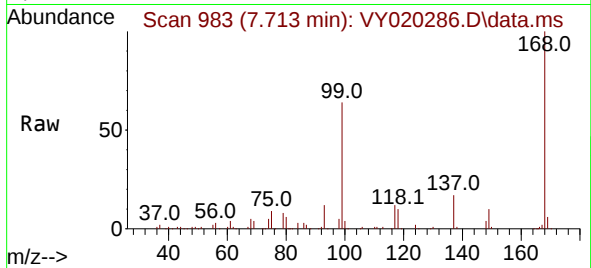




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

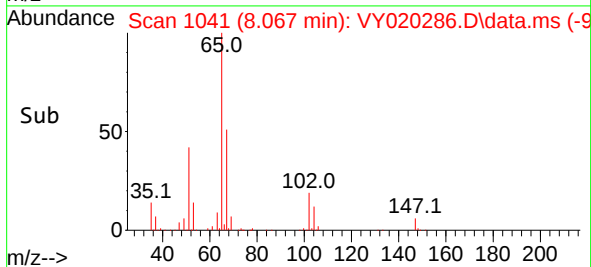
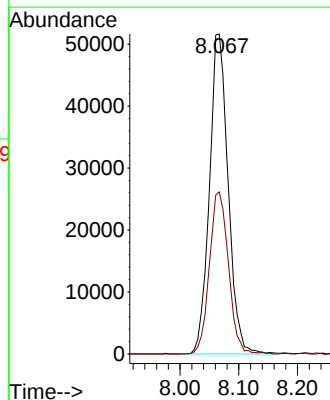
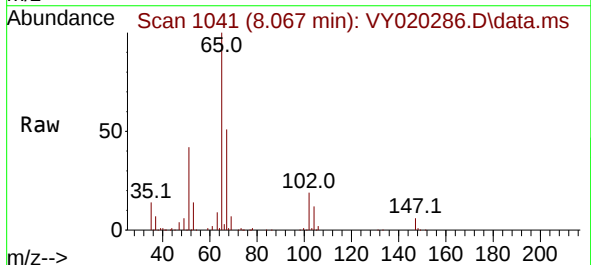
Instrument :
MSVOA_Y
ClientSampleId :

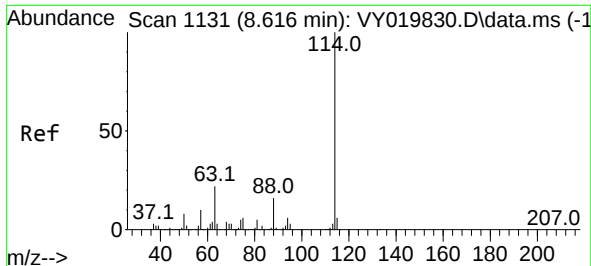
Tgt Ion: 56 Resp: 5037
Ion Ratio Lower Upper
56 100
69 136.2 28.7 43.1#
84 91.5 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 57.929 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

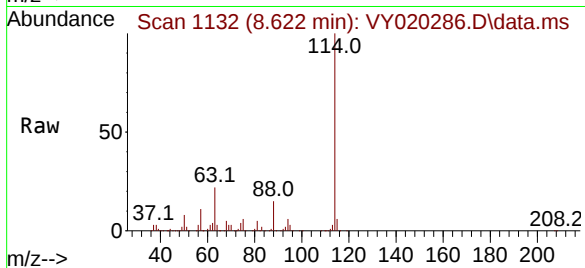
Tgt Ion: 65 Resp: 114178
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.6



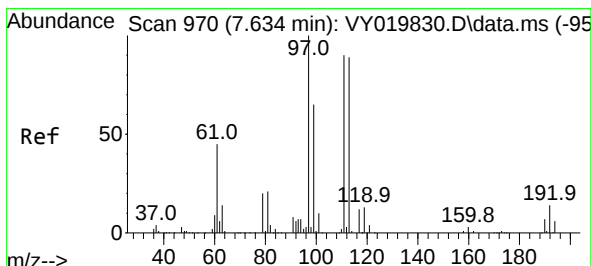
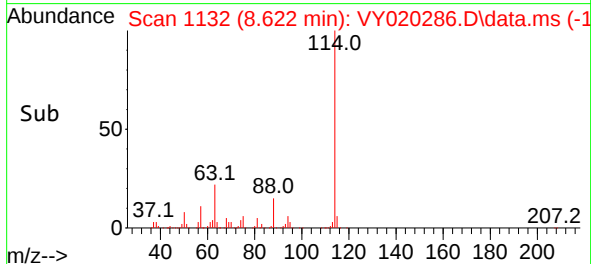
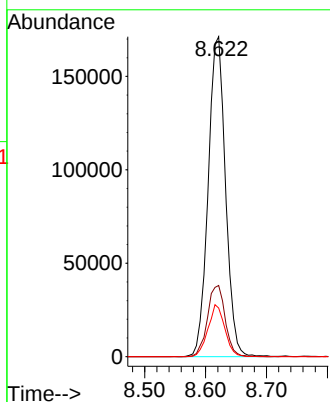


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Instrument :
MSVOA_Y
ClientSampleId :

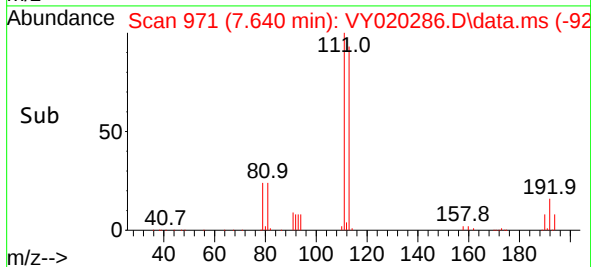
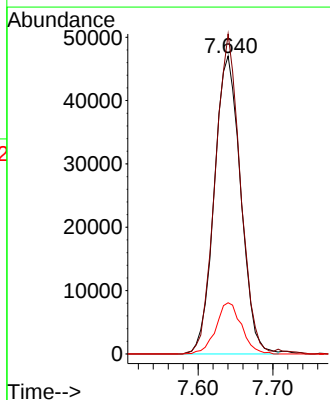
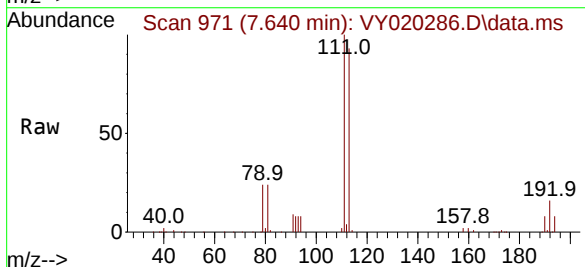


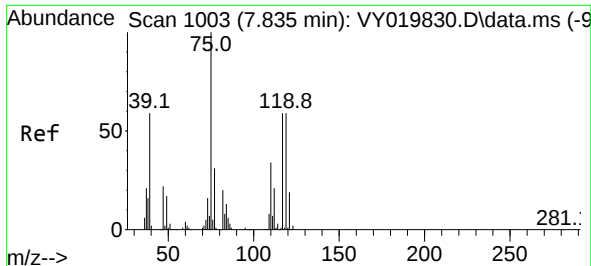
Tgt Ion:114 Resp: 339010
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.0
88 15.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 53.511 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Tgt Ion:113 Resp: 115339
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 16.7 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.928 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

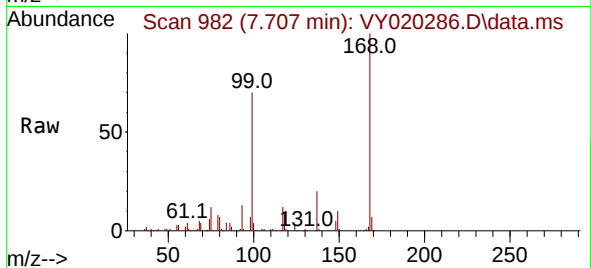
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Acq: 13 Nov 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :



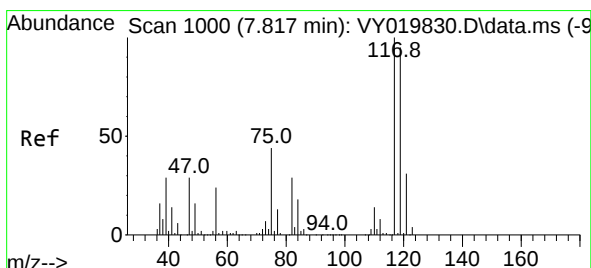
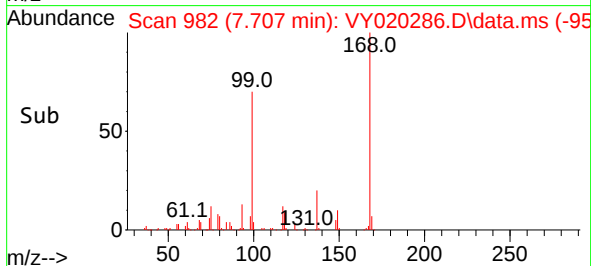
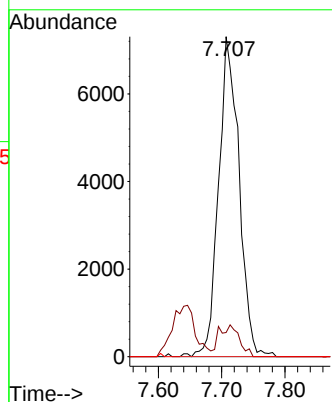
Tgt Ion: 75 Resp: 16408

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.285 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY020286.D

Acq: 13 Nov 2024 16:26

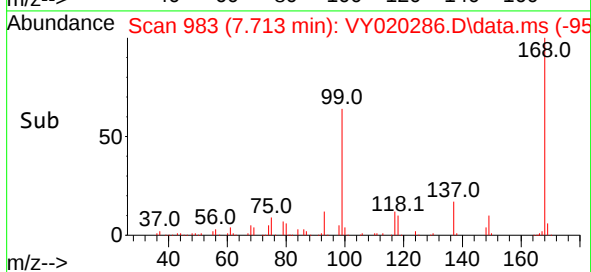
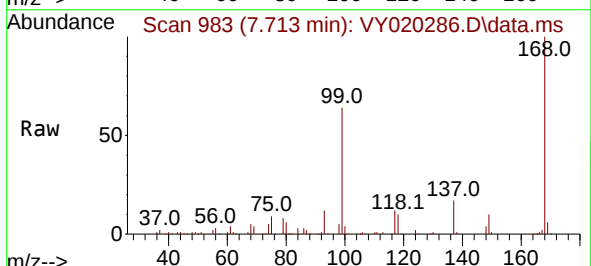
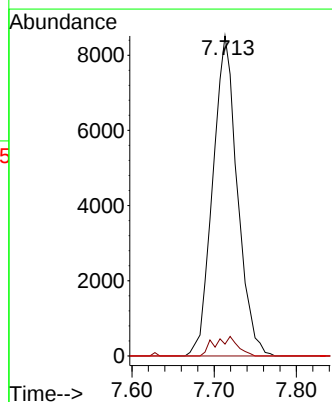
Tgt Ion: 117 Resp: 17695

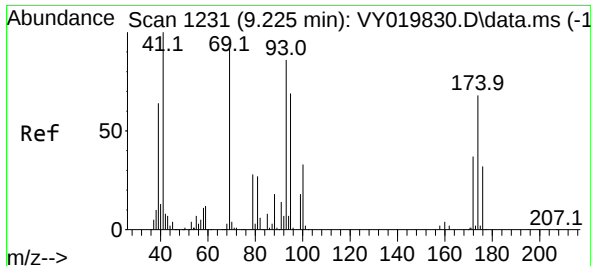
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 4.471 ug/l

RT: 9.054 min Scan# 11

Delta R.T. -0.177 min

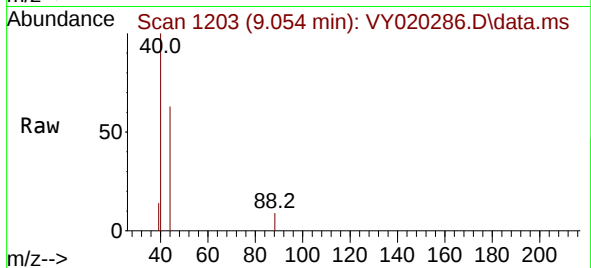
Lab File: VY020286.D

Acq: 13 Nov 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :



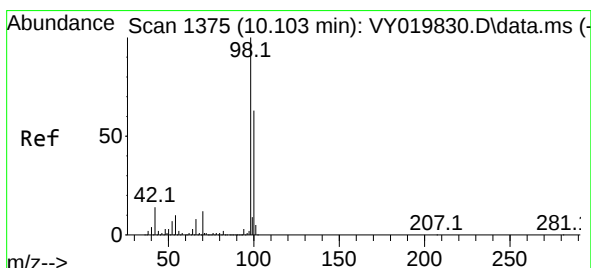
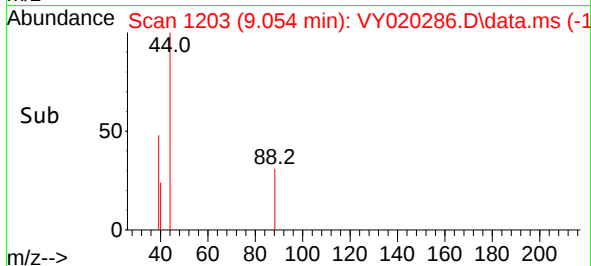
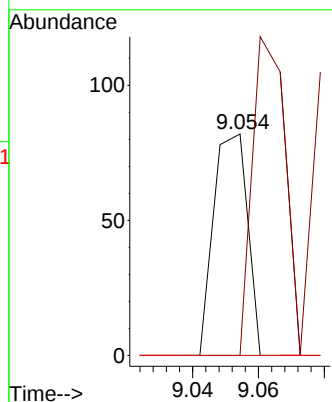
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 141.4 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.485 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020286.D

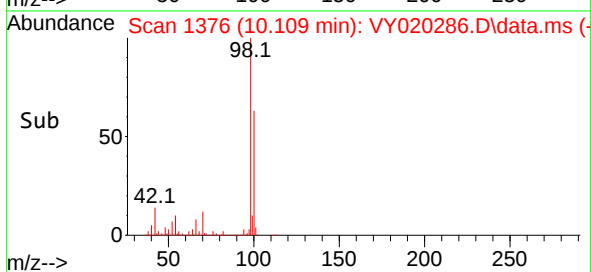
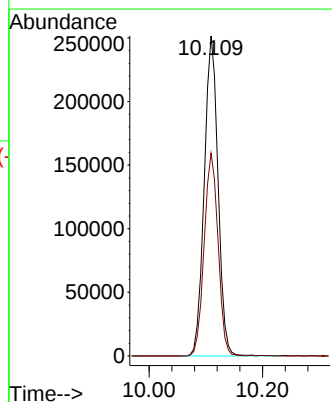
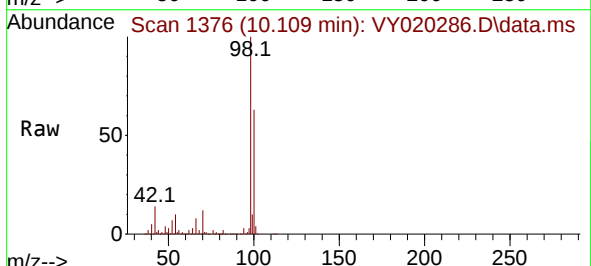
Acq: 13 Nov 2024 16:26

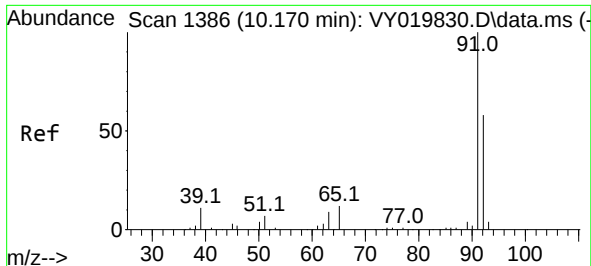
Tgt Ion: 98 Resp: 424560

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0

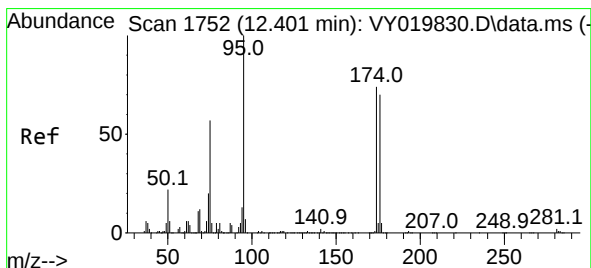
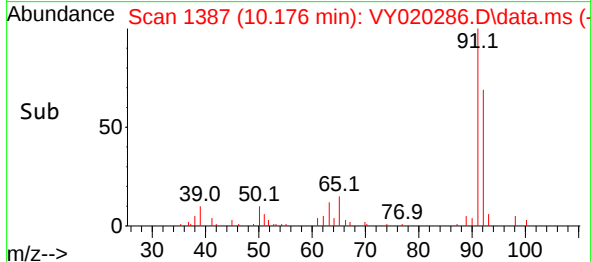
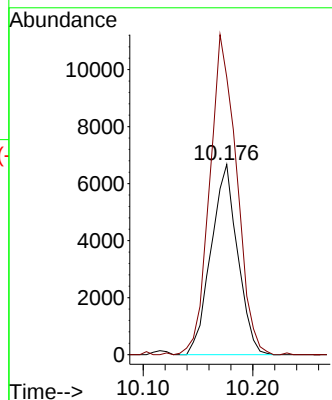
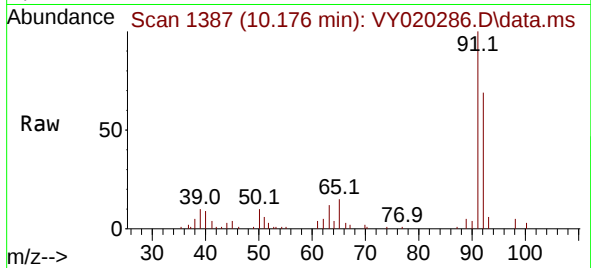




#52
Toluene
Concen: 1.874 ug/l
RT: 10.176 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

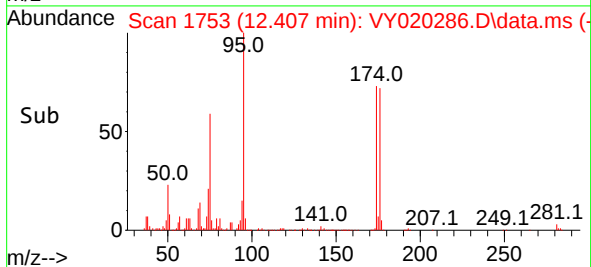
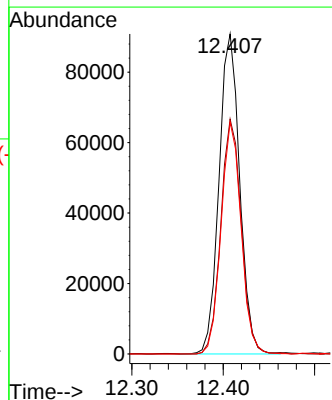
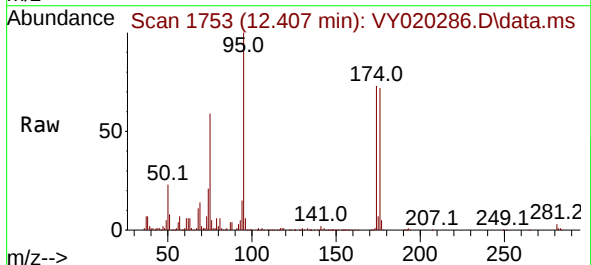
Instrument :
MSVOA_Y
ClientSampleId :

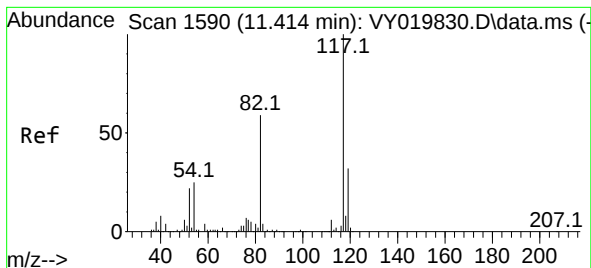
Tgt Ion: 92 Resp: 11229
Ion Ratio Lower Upper
92 100
91 170.4 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 51.268 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Tgt Ion: 95 Resp: 142870
Ion Ratio Lower Upper
95 100
174 73.1 0.0 175.6
176 70.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

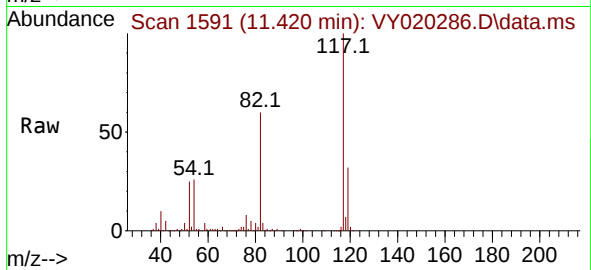
Lab File: VY020286.D

Acq: 13 Nov 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :



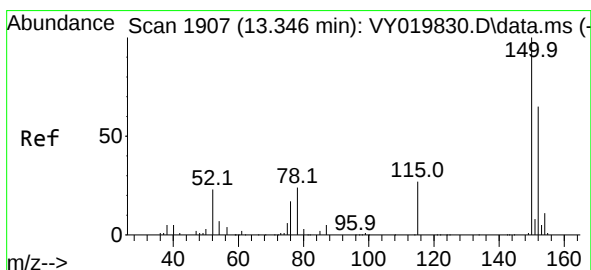
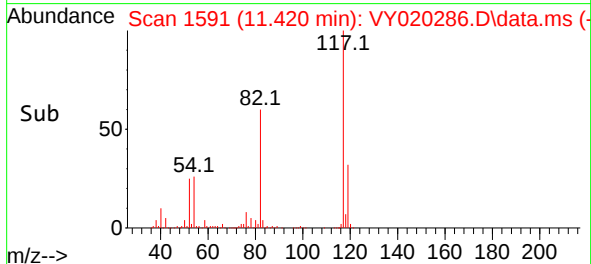
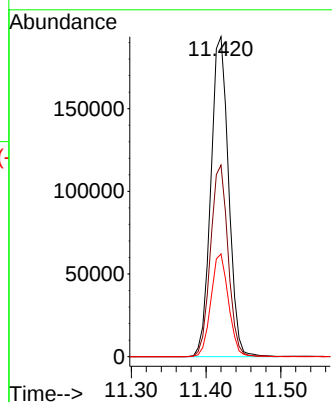
Tgt Ion:117 Resp: 319959

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020286.D

Acq: 13 Nov 2024 16:26

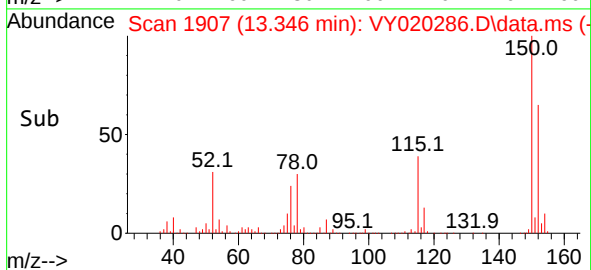
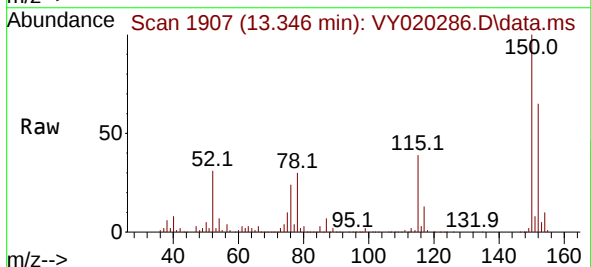
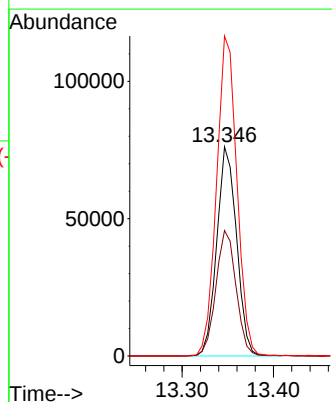
Tgt Ion:152 Resp: 114840

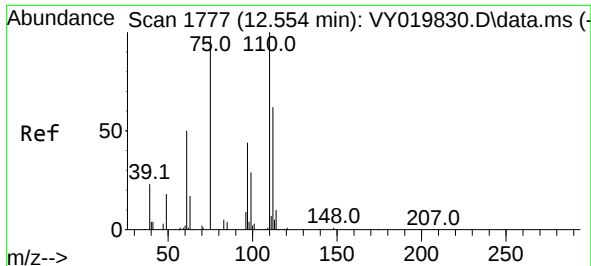
Ion Ratio Lower Upper

152 100

115 61.5 28.2 84.7

150 157.0 0.0 345.6

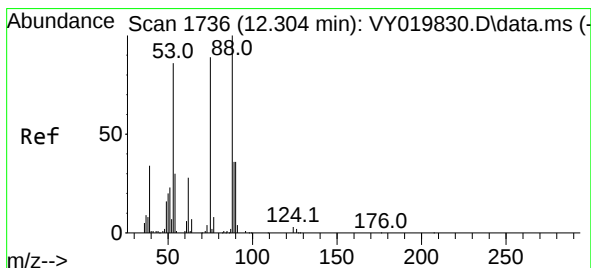
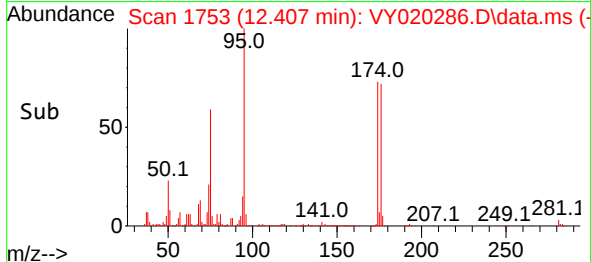
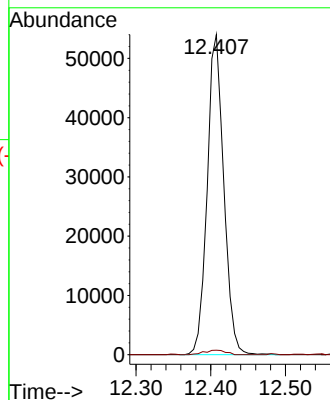
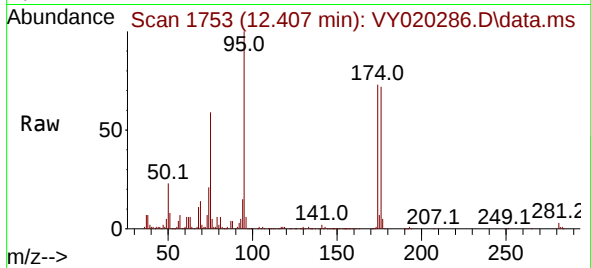




#76
1,2,3-Trichloropropane
Concen: 77.177 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 83081
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 166.004 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020286.D
Acq: 13 Nov 2024 16:26

Tgt Ion: 75 Resp: 83081
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

