

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019217.D
 Acq On : 22 Aug 2024 13:55
 Operator : SY/MD
 Sample : P3689-04
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:52:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

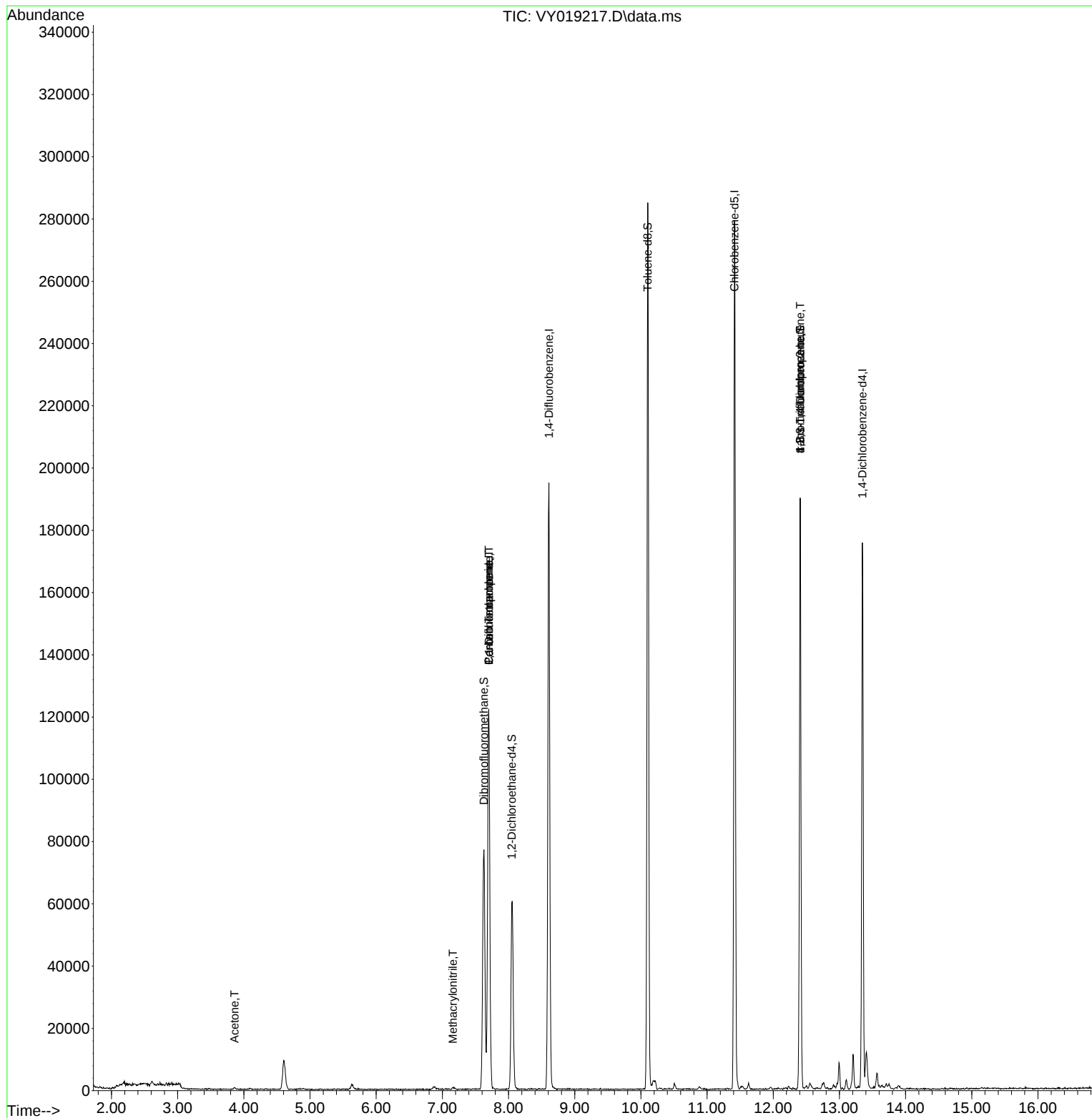
Internal Standards						
1) Pentafluorobenzene	7.701	168	96532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	170559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	153714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	45940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	49760	51.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.840%	
35) Dibromofluoromethane	7.628	113	55375	49.654	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.300%	
50) Toluene-d8	10.103	98	181313	45.178	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.360%	
62) 4-Bromofluorobenzene	12.407	95	56142	41.036	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.080%	
Target Compounds						
5) Bromomethane	2.598	94	246	Below Cal	Qvalue	97
6) Chloroethane	2.885	64	22	Below Cal	#	42
11) Tert butyl alcohol	4.817	59	29	Below Cal	#	88
13) Acrolein	3.647	56	26	Below Cal	#	15
16) Acetone	3.860	43	823	4.586	ug/l	99
20) Methylene Chloride	4.610	84	6546	Below Cal	#	94
31) Cyclohexane	7.701	56	2009	Below Cal	#	39
36) 1,1-Dichloropropene	7.701	75	7287	4.758	ug/l #	47
38) Carbon Tetrachloride	7.701	117	10203	5.749	ug/l #	16
41) Methacrylonitrile	7.158	41	492	1.329	ug/l #	37
76) 1,2,3-Trichloropropane	12.407	75	29043	64.105	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	29043	158.319	ug/l #	16

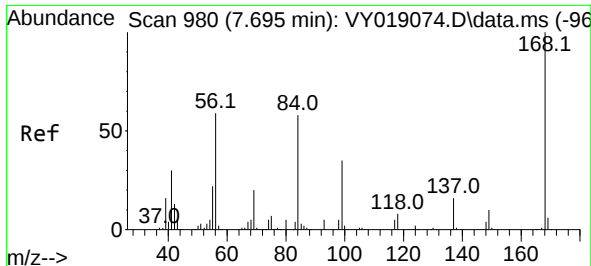
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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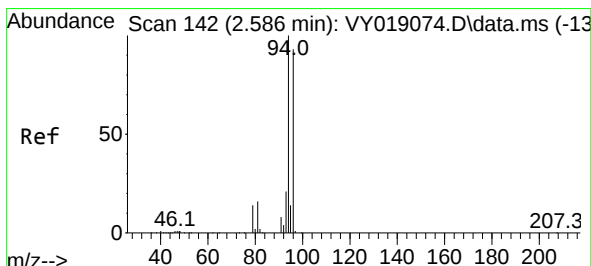
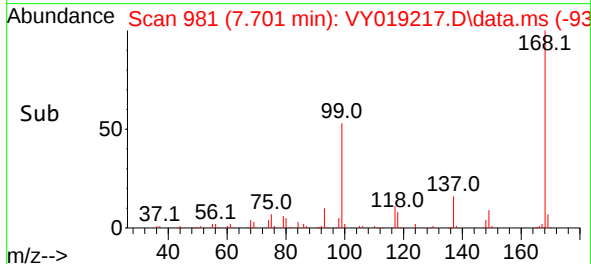
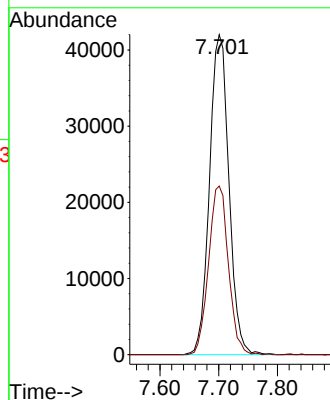
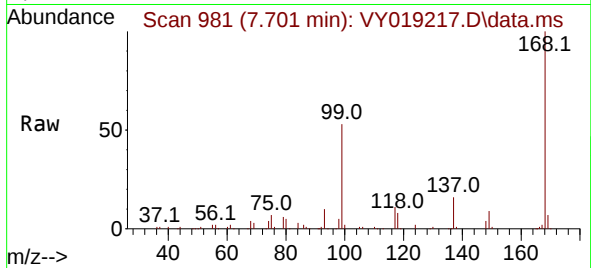




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

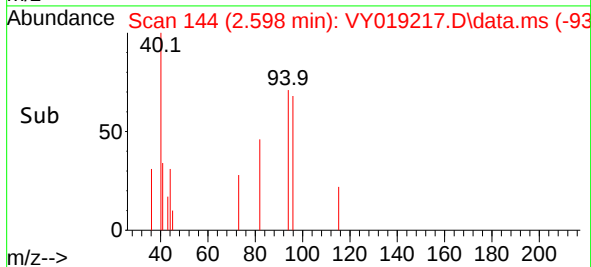
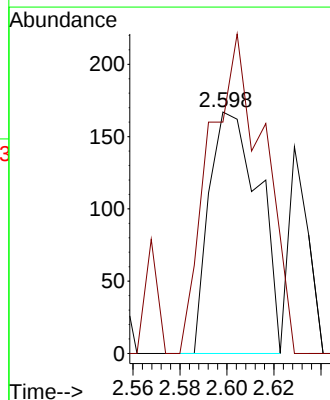
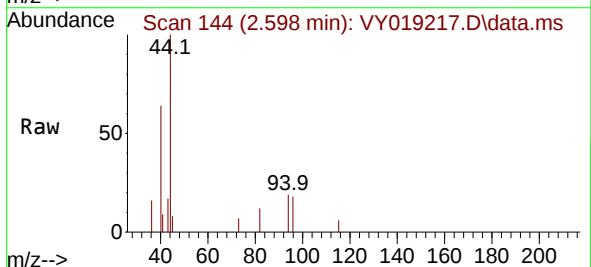
Instrument :
MSVOA_Y
ClientSampleId :

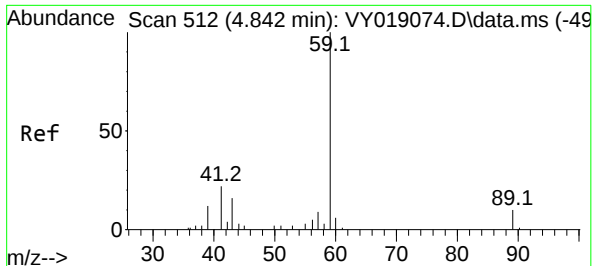
Tgt Ion:168 Resp: 96532
Ion Ratio Lower Upper
168 100
99 52.7 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

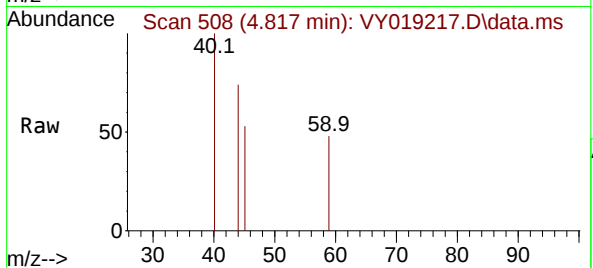
Tgt Ion: 94 Resp: 246
Ion Ratio Lower Upper
94 100
96 95.8 74.1 111.1



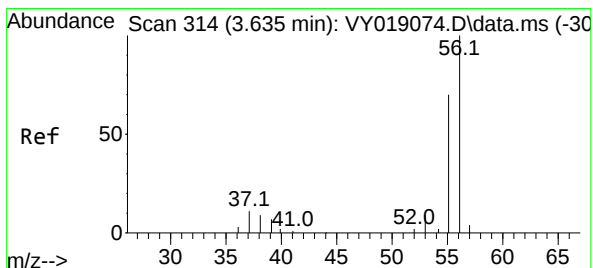
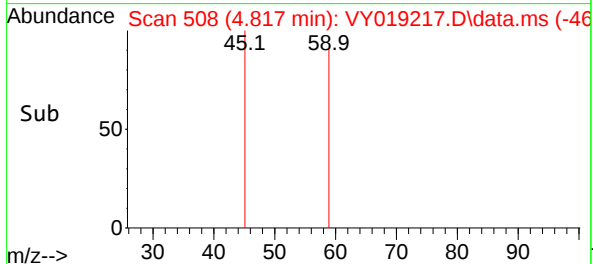
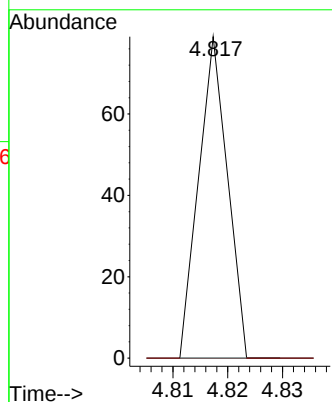


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.817 min Scan# 508
Delta R.T. -0.025 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Instrument :
MSVOA_Y
ClientSampleId :

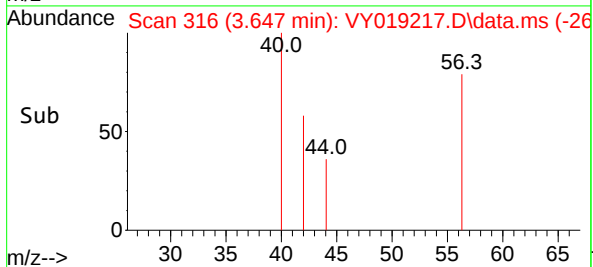
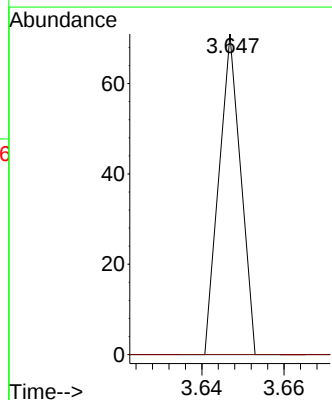
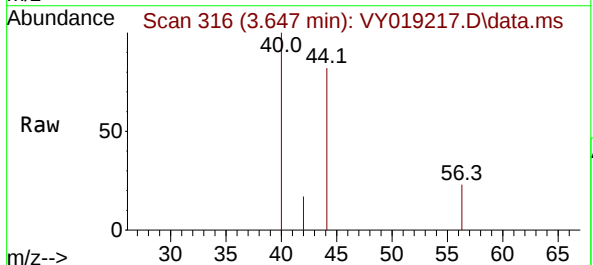


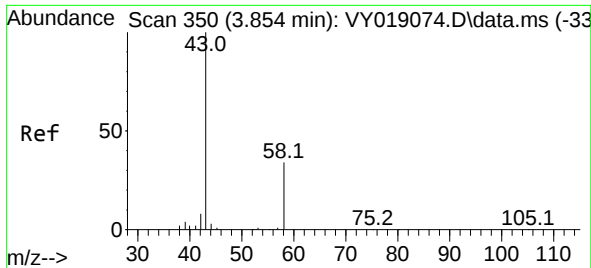
Tgt Ion: 59 Resp: 29
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.647 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 4.586 ug/l

RT: 3.860 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

Instrument :

MSVOA_Y

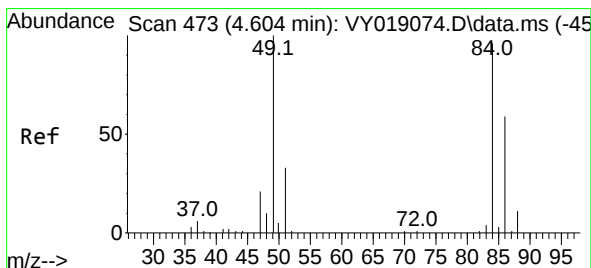
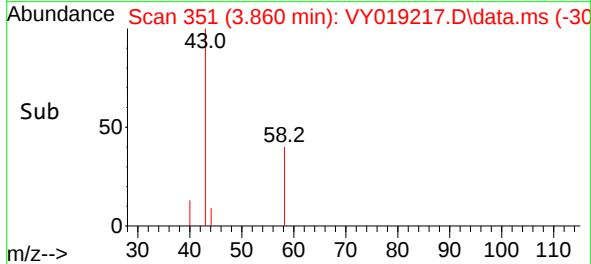
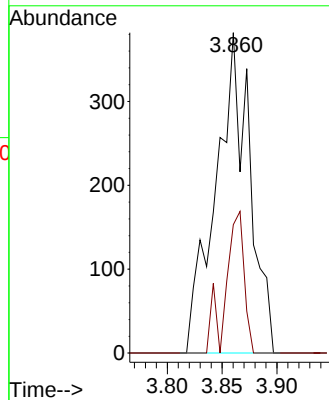
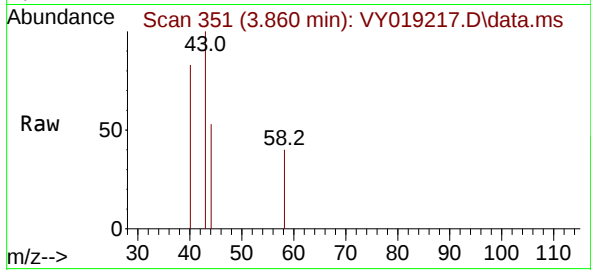
ClientSampleId :

Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

58 40.1 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

Tgt Ion: 84 Resp: 6546

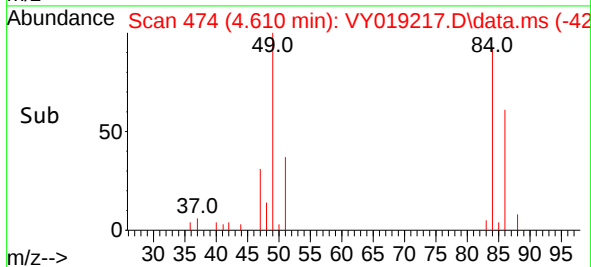
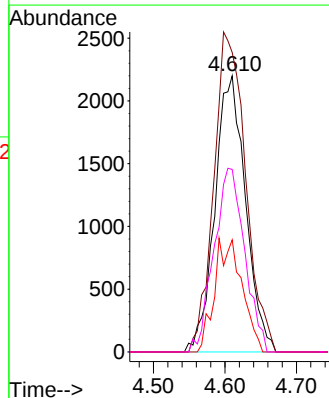
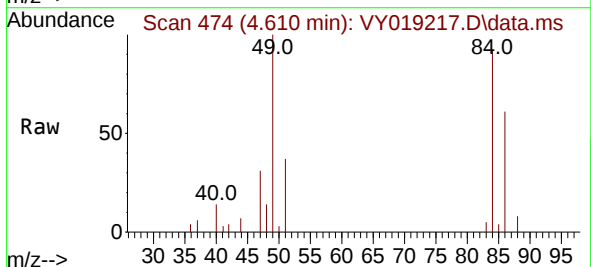
Ion Ratio Lower Upper

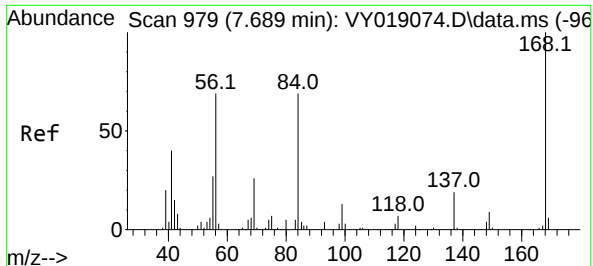
84 100

49 108.5 84.4 126.6

51 40.6 26.0 39.0#

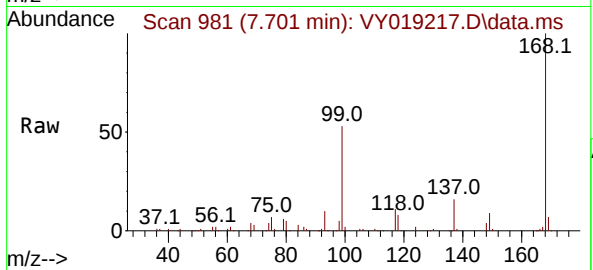
86 66.1 49.5 74.3



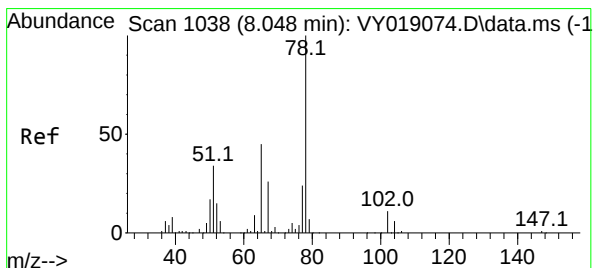
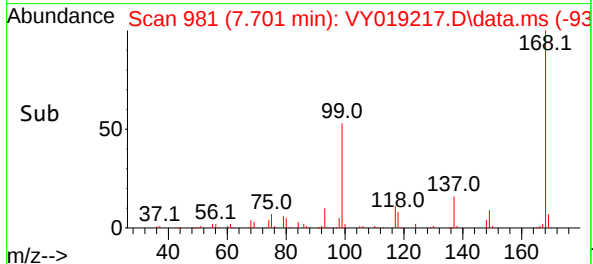
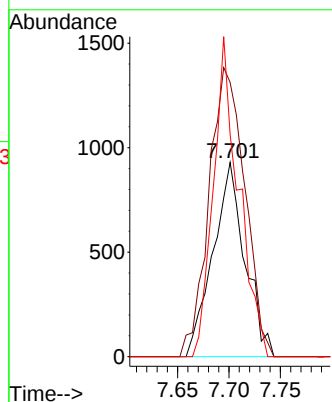


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Instrument :
MSVOA_Y
ClientSampleId :

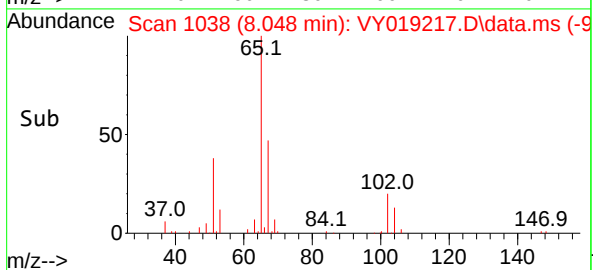
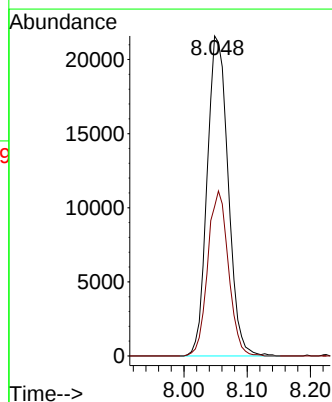
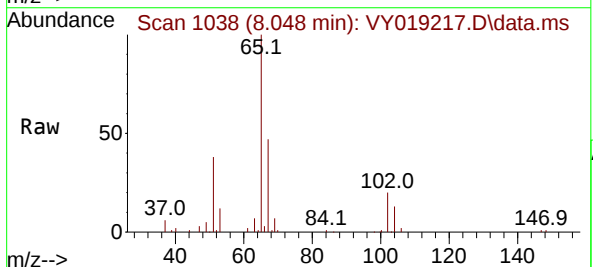


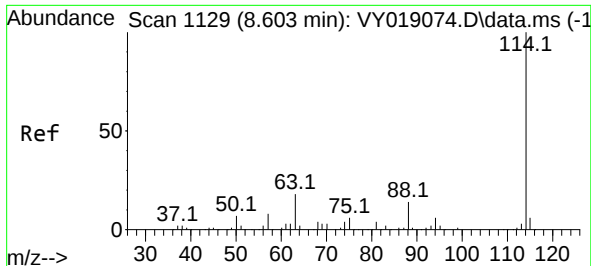
Tgt Ion: 56 Resp: 2009
Ion Ratio Lower Upper
56 100
69 141.2 28.7 43.1#
84 114.5 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 51.423 ug/l
RT: 8.048 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Tgt Ion: 65 Resp: 49760
Ion Ratio Lower Upper
65 100
67 50.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

Instrument :

MSVOA_Y

ClientSampleId :

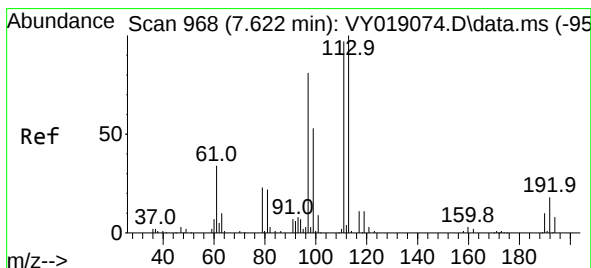
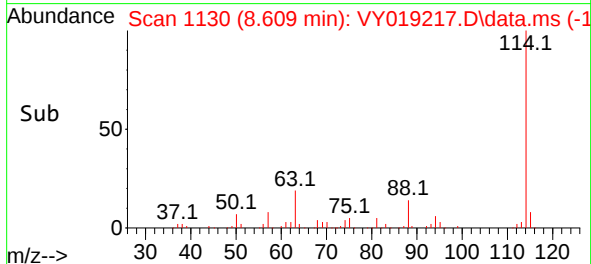
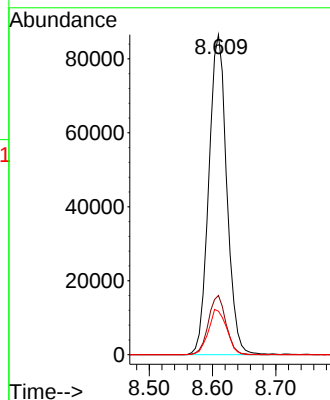
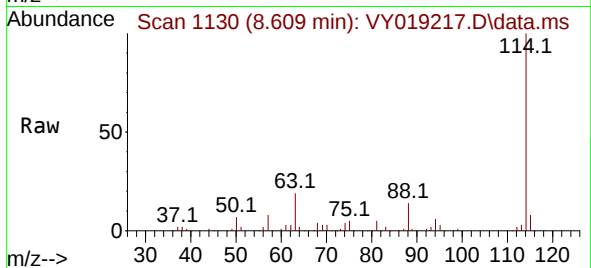
Tgt Ion:114 Resp: 170559

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.654 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

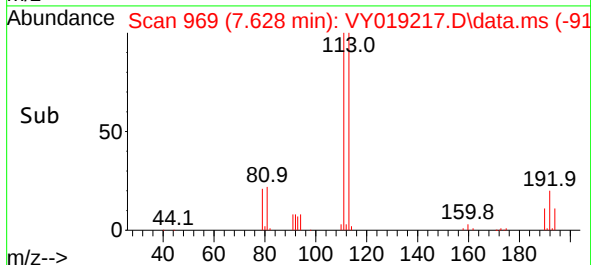
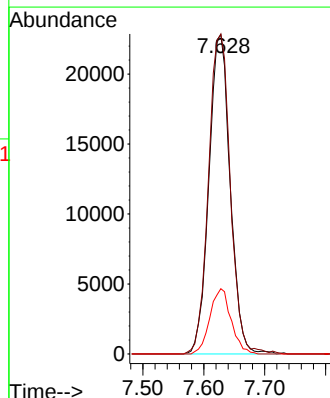
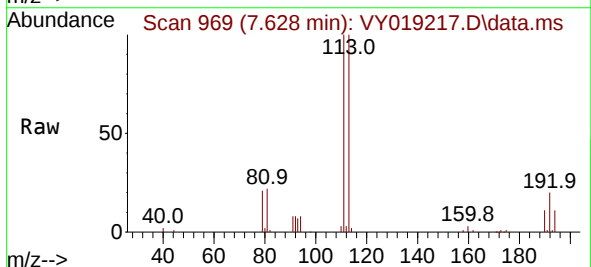
Tgt Ion:113 Resp: 55375

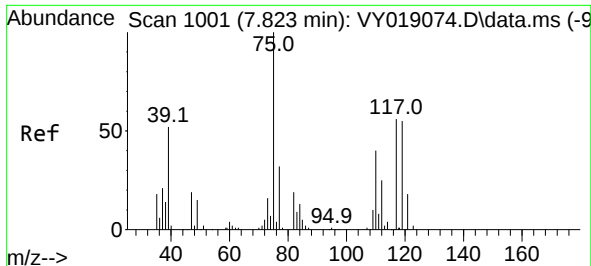
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 20.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

Instrument :

MSVOA_Y

ClientSampleId :

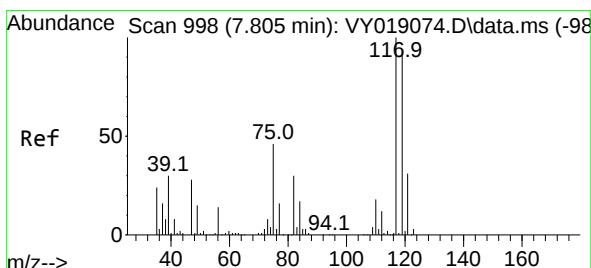
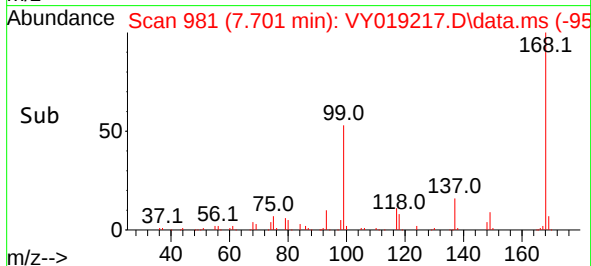
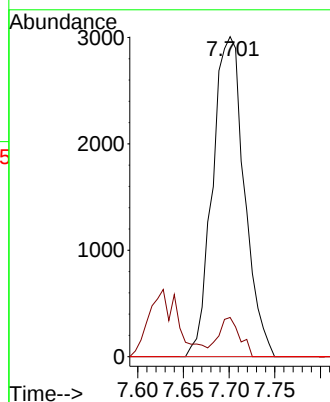
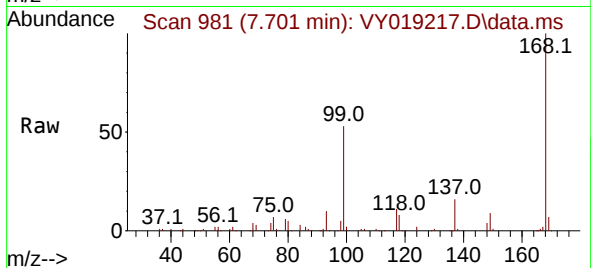
Tgt Ion: 75 Resp: 7287

Ion Ratio Lower Upper

75 100

110 8.2 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

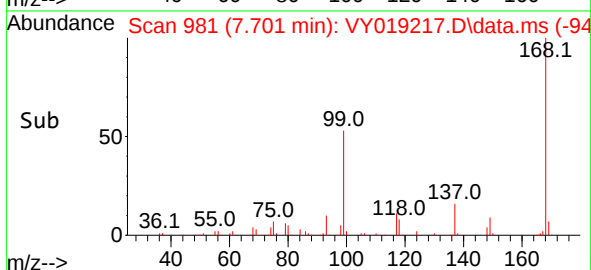
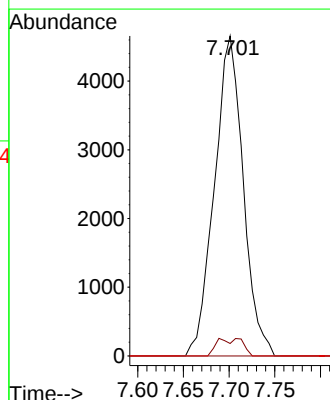
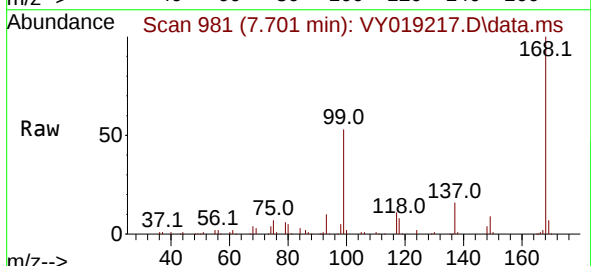
Tgt Ion: 117 Resp: 10203

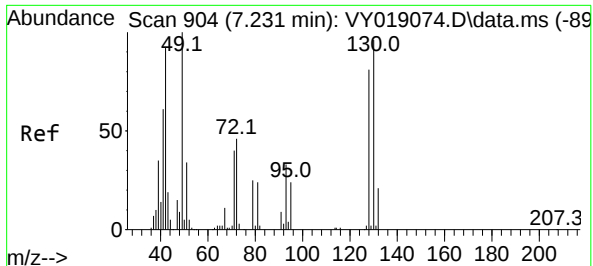
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.6#

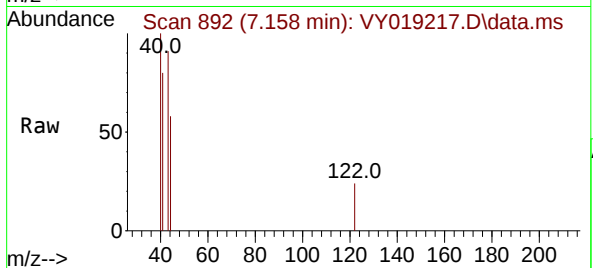
121 0.0 24.0 36.0#



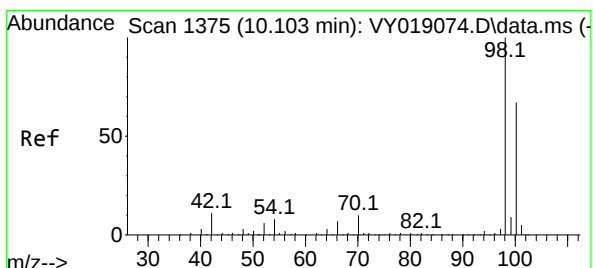
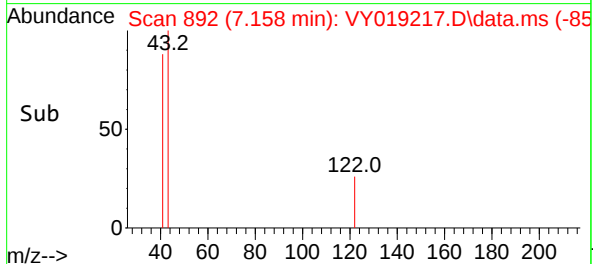
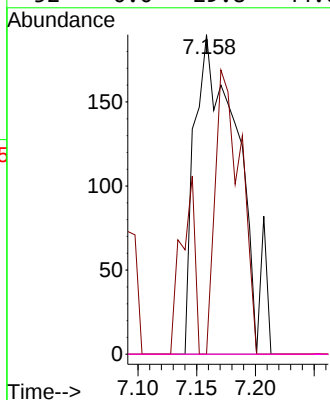


#41
Methacrylonitrile
Concen: 1.329 ug/l
RT: 7.158 min Scan# 892
Delta R.T. -0.073 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Instrument :
MSVOA_Y
ClientSampleId :

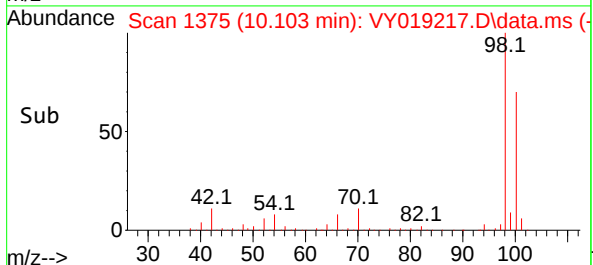
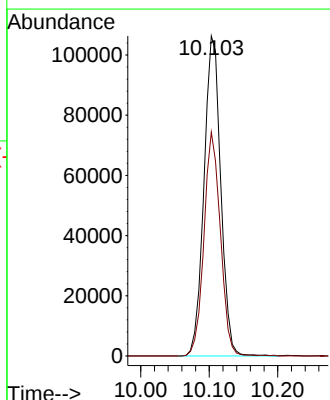
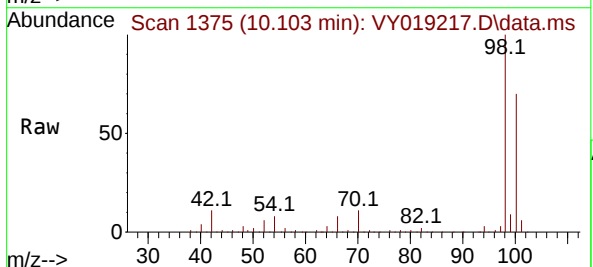


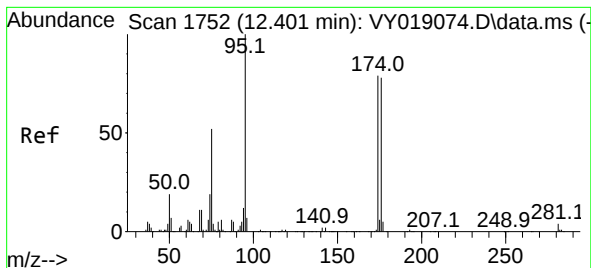
Tgt Ion: 41	Resp: 492
Ion Ratio	Lower Upper
41 100	
39 52.0	48.0 72.0
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#50
Toluene-d8
Concen: 45.178 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Tgt Ion: 98	Resp: 181313
Ion Ratio	Lower Upper
98 100	
100 68.2	52.0 78.0

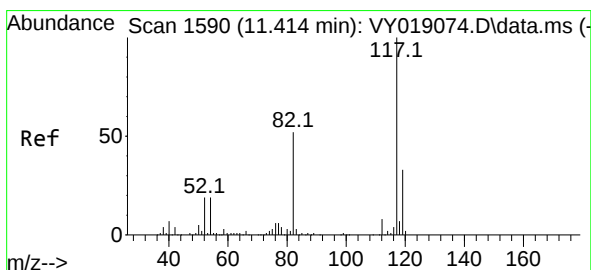
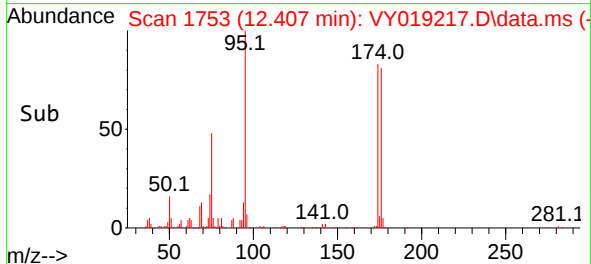
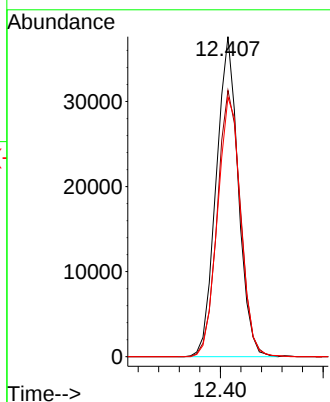
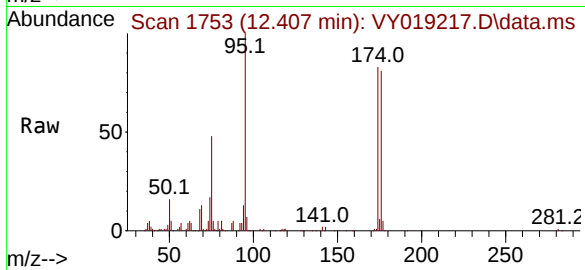




#62
4-Bromofluorobenzene
Concen: 41.036 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

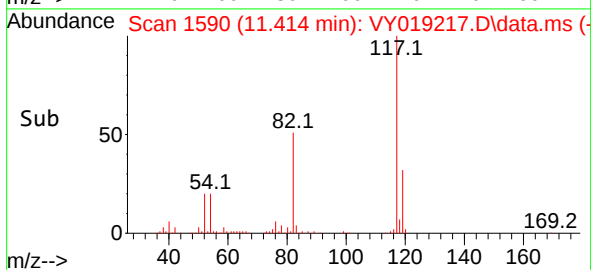
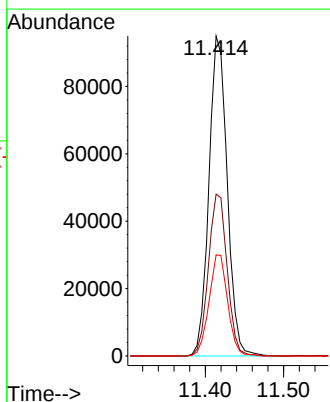
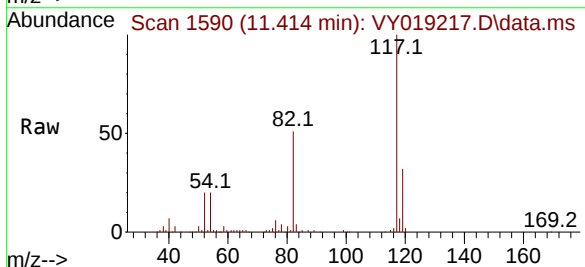
Instrument :
MSVOA_Y
ClientSampleId :

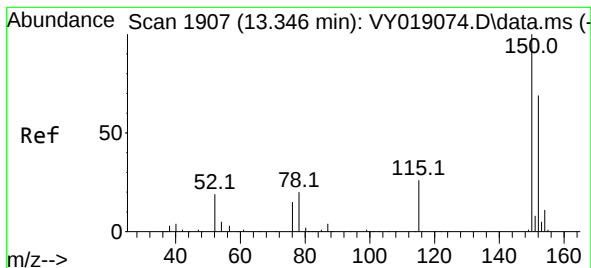
Tgt Ion: 95 Resp: 56142
Ion Ratio Lower Upper
95 100
174 87.2 0.0 175.6
176 85.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019217.D
Acq: 22 Aug 2024 13:55

Tgt Ion: 117 Resp: 153714
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 31.6 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: VY019217.D

Acq: 22 Aug 2024 13:55

Instrument :

MSVOA_Y

ClientSampleId :

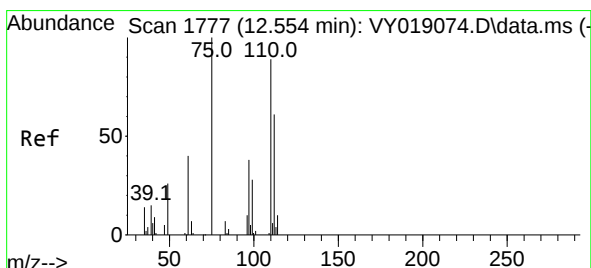
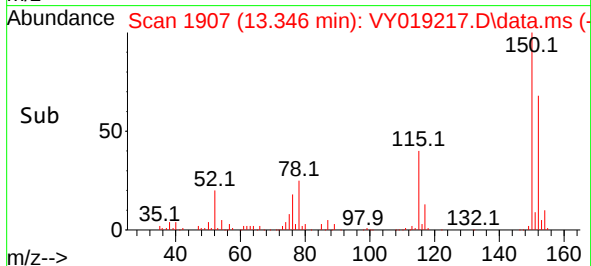
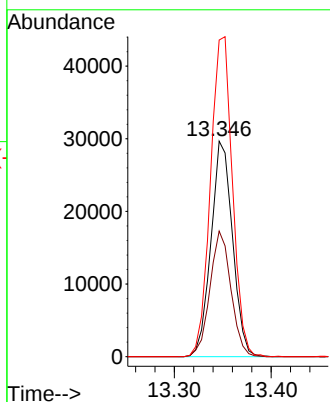
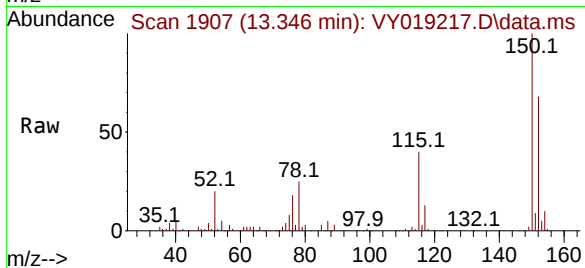
Tgt Ion:152 Resp: 45940

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 151.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 64.105 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019217.D

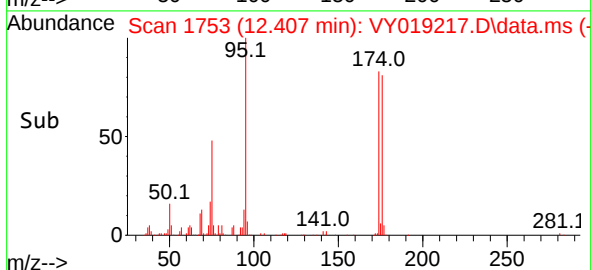
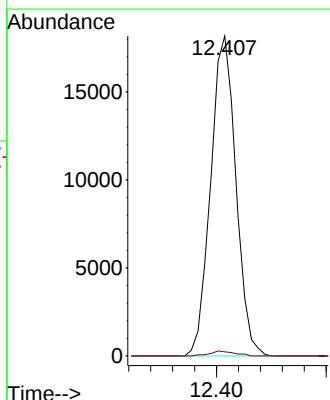
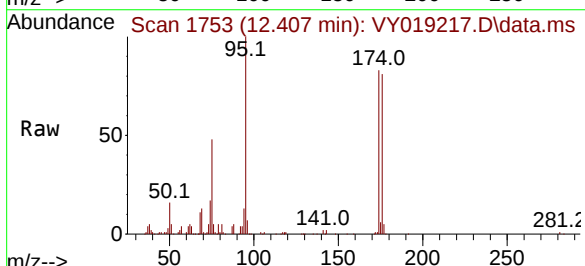
Acq: 22 Aug 2024 13:55

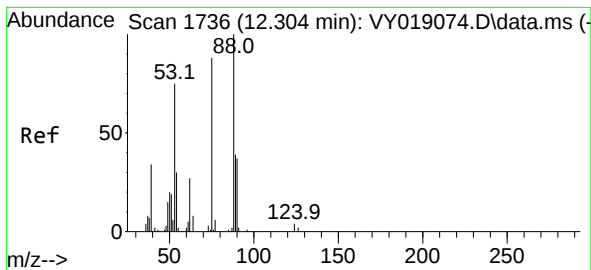
Tgt Ion: 75 Resp: 29043

Ion Ratio Lower Upper

75 100

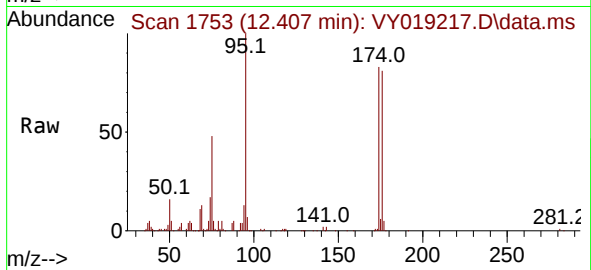
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.319 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019217.D
 Acq: 22 Aug 2024 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	29043
Ion	Ratio	Lower	Upper
75	100		
53	0.5	66.8	100.2#
89	0.0	35.8	53.6#

