

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019202.D
 Acq On : 22 Aug 2024 06:09
 Operator : SY/MD
 Sample : P3671-08
 Misc : 9.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 07:26:05 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)

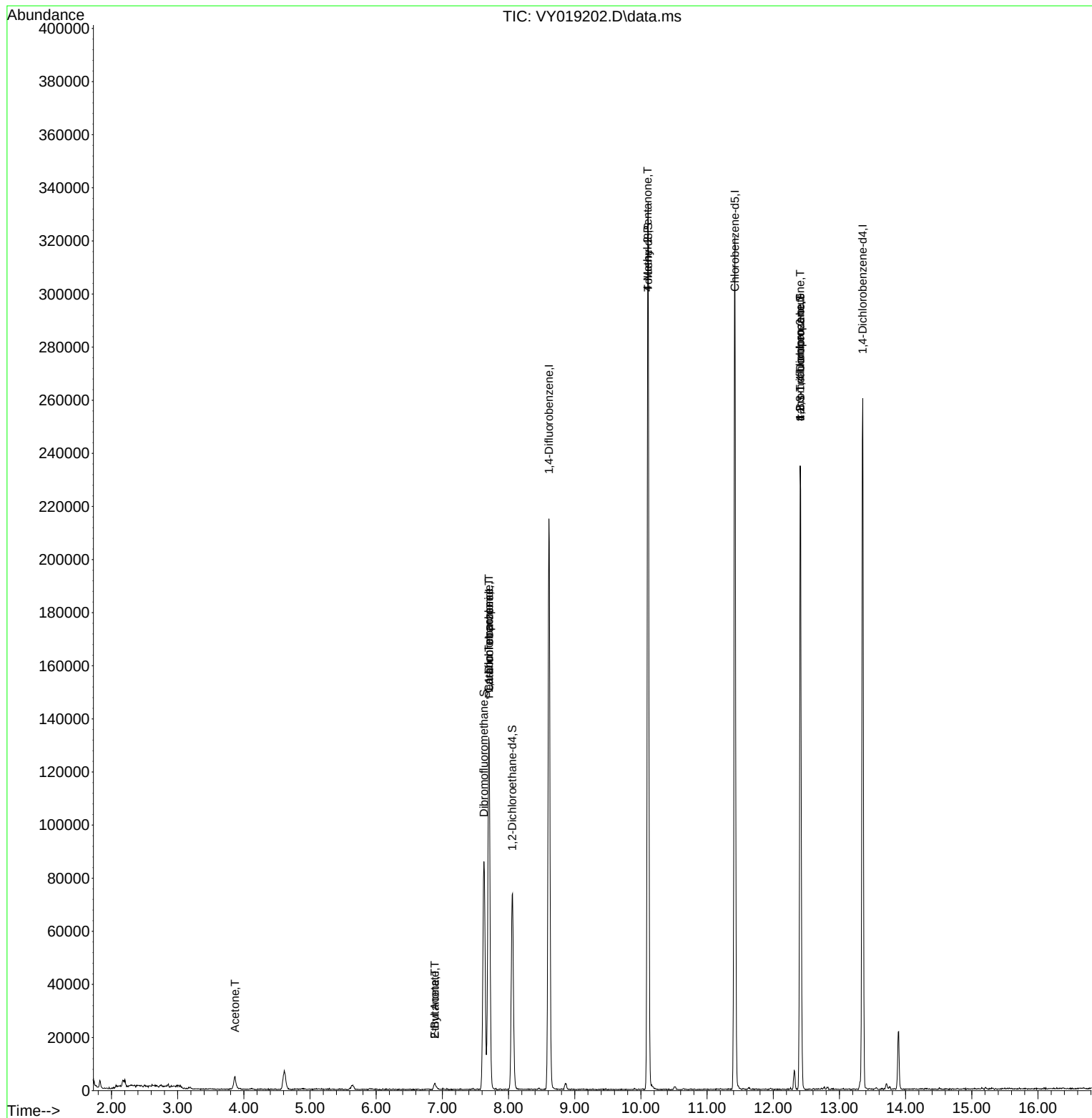
Internal Standards						
1) Pentafluorobenzene	7.707	168	105474	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.610	114	186243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	171554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	65365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	59901	56.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.300%
35) Dibromofluoromethane	7.628	113	60632	49.789	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.580%
50) Toluene-d8	10.109	98	212945	48.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.180%
62) 4-Bromofluorobenzene	12.408	95	67492	45.178	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	90.360%
Target Compounds						
						Qvalue
5) Bromomethane	2.599	94	229	Below Cal		89
11) Tert butyl alcohol	4.848	59	43	Below Cal	#	88
16) Acetone	3.867	43	7435	37.918	ug/l #	86
20) Methylene Chloride	4.604	84	5013	Below Cal	#	84
25) 2-Butanone	6.884	43	2050	6.492	ug/l #	84
31) Cyclohexane	7.701	56	2269	Below Cal	#	16
36) 1,1-Dichloropropene	7.701	75	8163	4.882	ug/l #	48
37) Ethyl Acetate	6.884	43	2050	2.767	ug/l #	56
38) Carbon Tetrachloride	7.701	117	10279	5.304	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	948	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	37461	58.113	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	37461	143.521	ug/l #	16

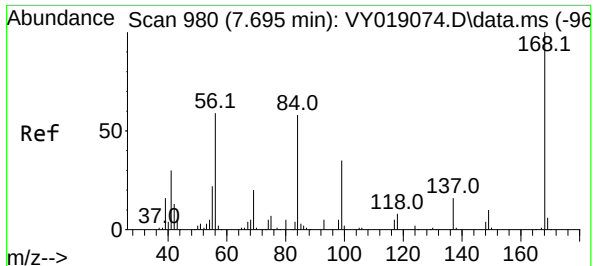
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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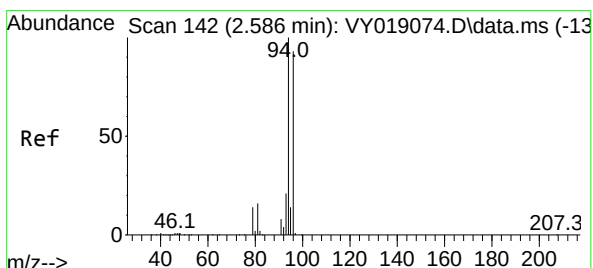
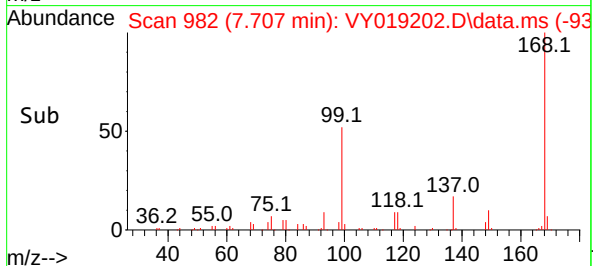
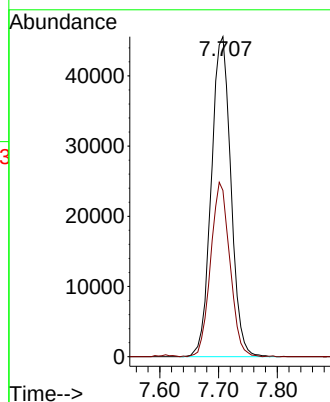
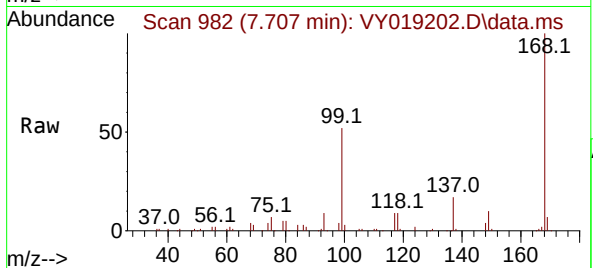




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

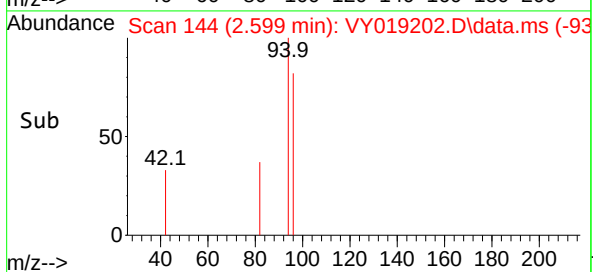
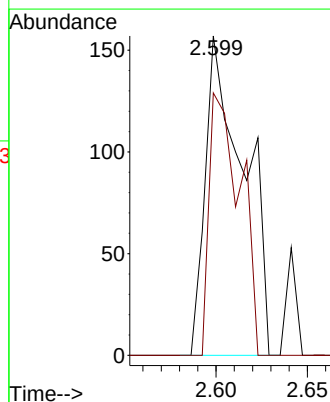
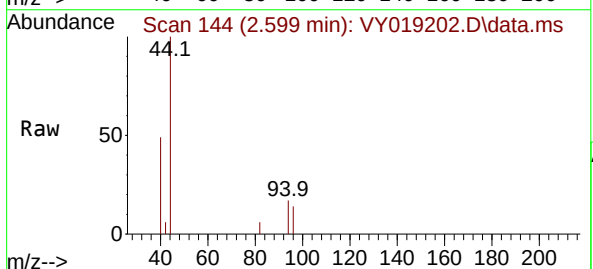
Instrument :
MSVOA_Y
ClientSampleId :

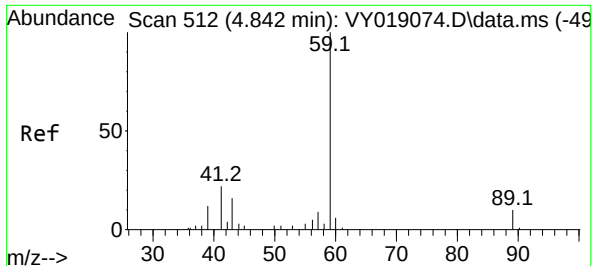
Tgt Ion:168 Resp: 105474
Ion Ratio Lower Upper
168 100
99 51.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.599 min Scan# 144
Delta R.T. 0.013 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 82.2 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 512

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

Instrument :

MSVOA_Y

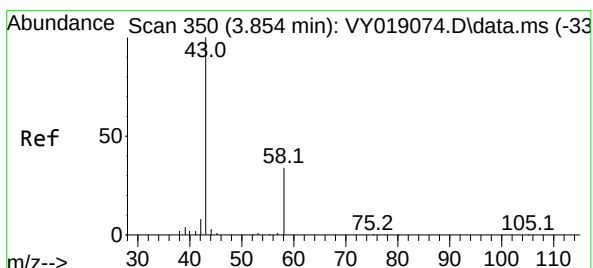
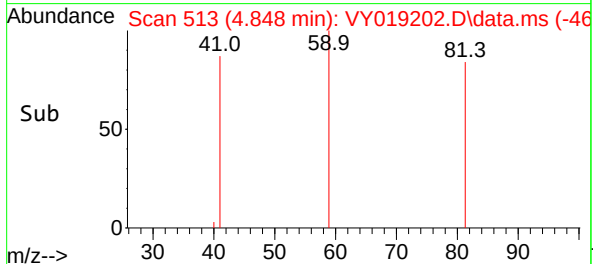
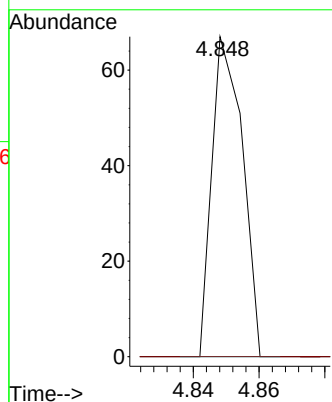
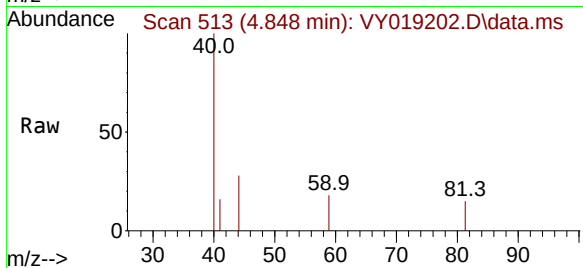
ClientSampleId :

Tgt Ion: 59 Resp: 43

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 37.918 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.013 min

Lab File: VY019202.D

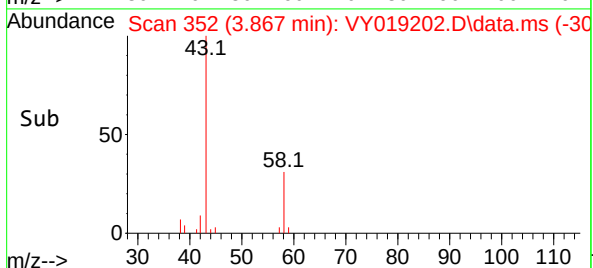
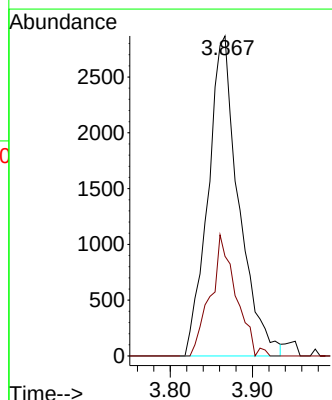
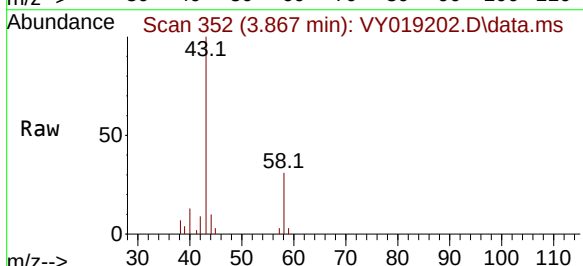
Acq: 22 Aug 2024 06:09

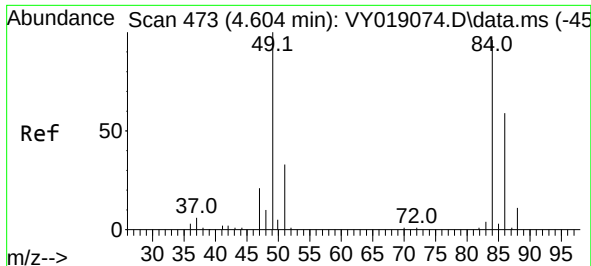
Tgt Ion: 43 Resp: 7435

Ion Ratio Lower Upper

43 100

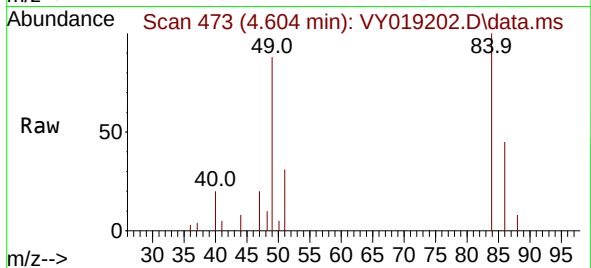
58 31.2 31.7 47.5#





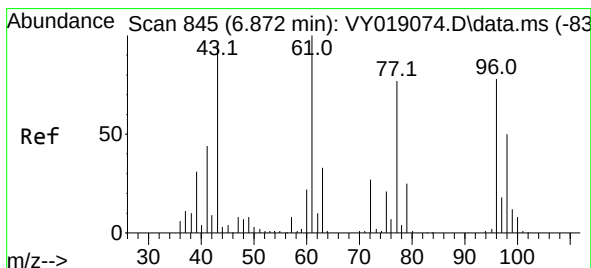
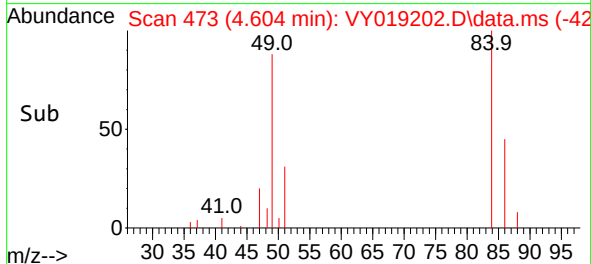
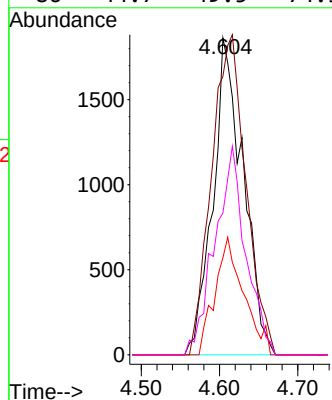
#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 5013

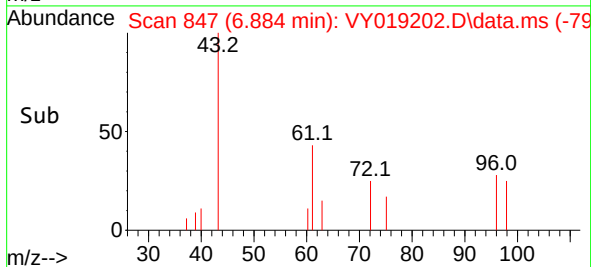
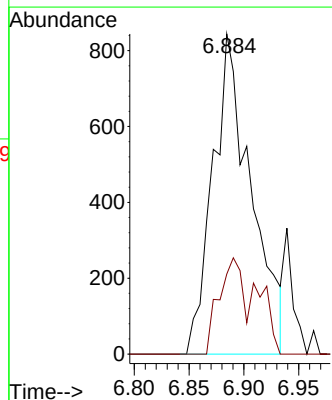
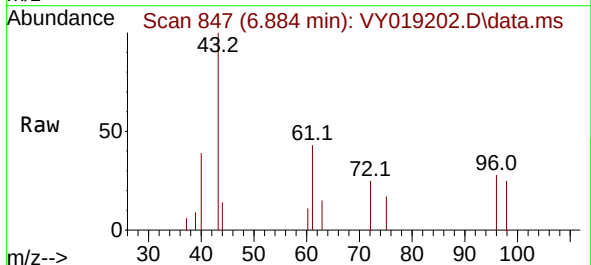
Ion	Ratio	Lower	Upper
84	100		
49	87.9	84.4	126.6
51	30.7	26.0	39.0
86	44.7	49.5	74.3

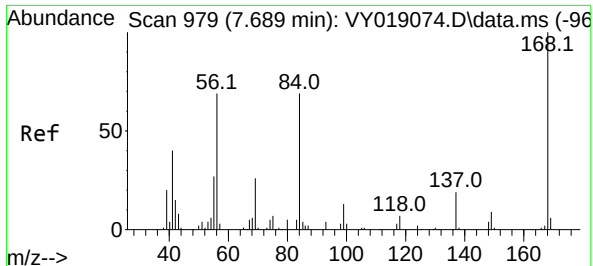


#25
2-Butanone
Concen: 6.492 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.013 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Tgt Ion: 43 Resp: 2050

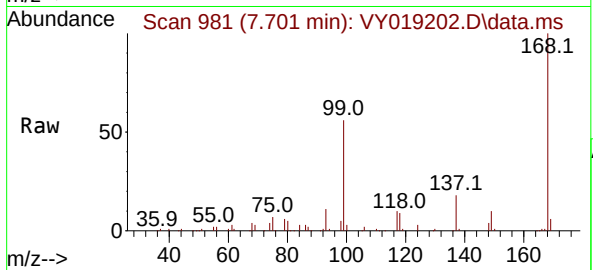
Ion	Ratio	Lower	Upper
43	100		
72	25.0	27.3	40.9



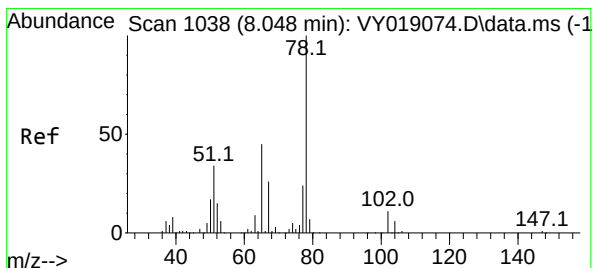
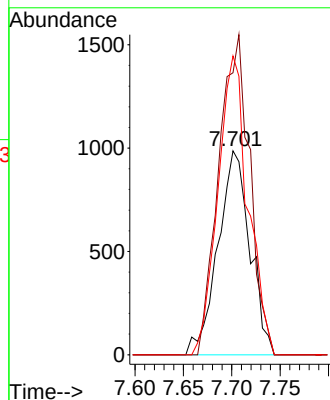
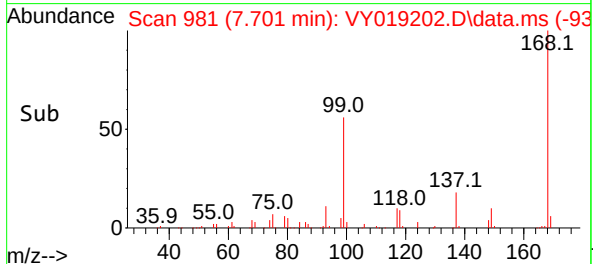


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Instrument :
MSVOA_Y
ClientSampleId :

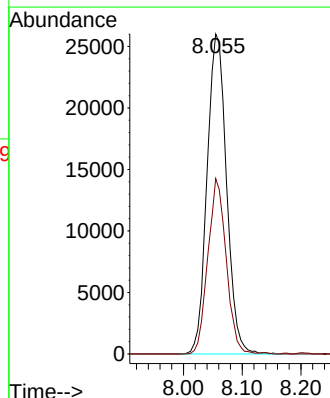
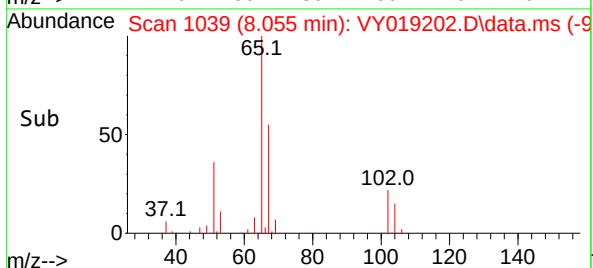
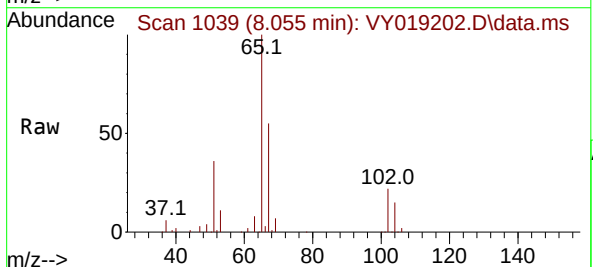


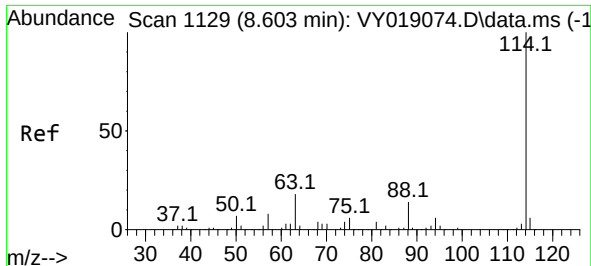
Tgt Ion: 56 Resp: 2269
Ion Ratio Lower Upper
56 100
69 138.3 28.7 43.1#
84 146.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.655 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Tgt Ion: 65 Resp: 59901
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

Instrument :

MSVOA_Y

ClientSampleId :

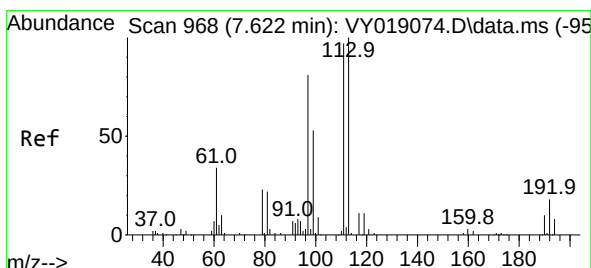
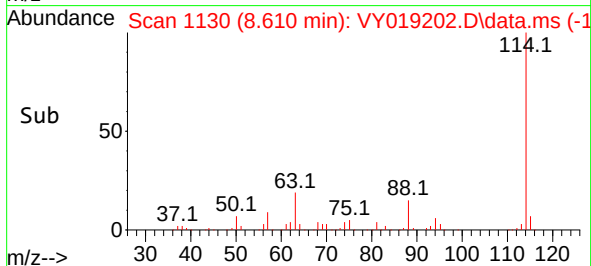
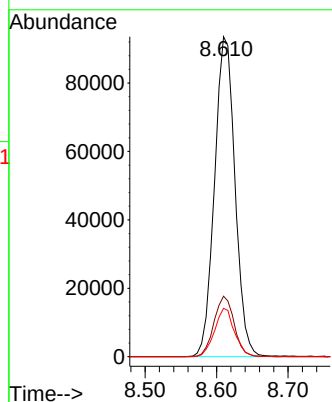
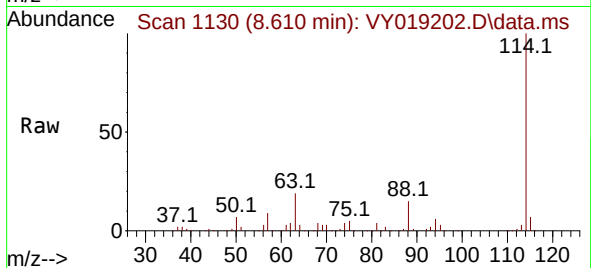
Tgt Ion:114 Resp: 186243

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.789 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

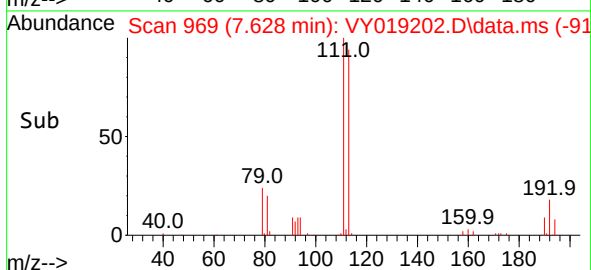
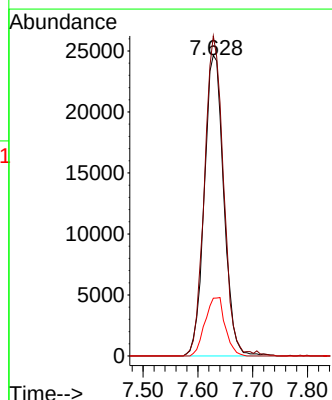
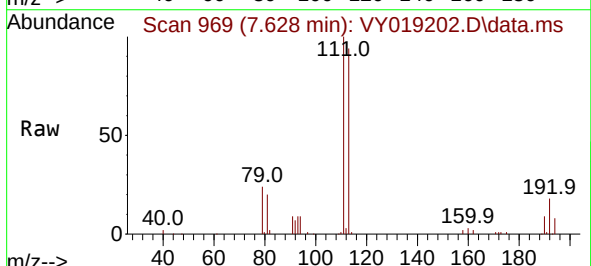
Tgt Ion:113 Resp: 60632

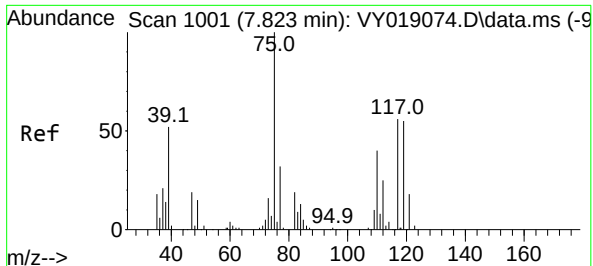
Ion Ratio Lower Upper

113 100

111 104.6 82.2 123.4

192 20.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.882 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.122 min

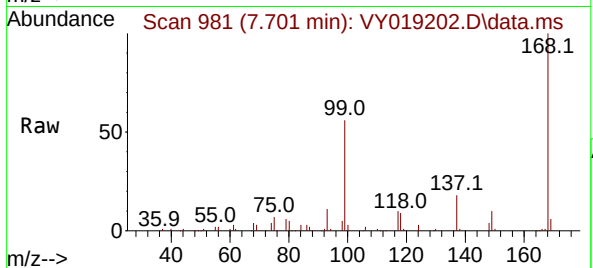
Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

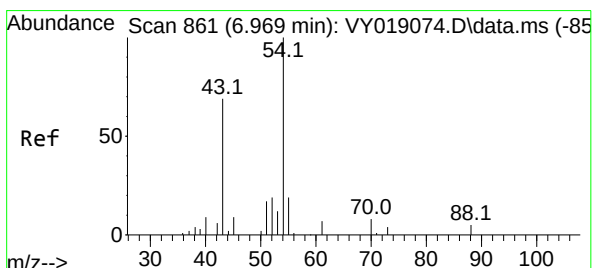
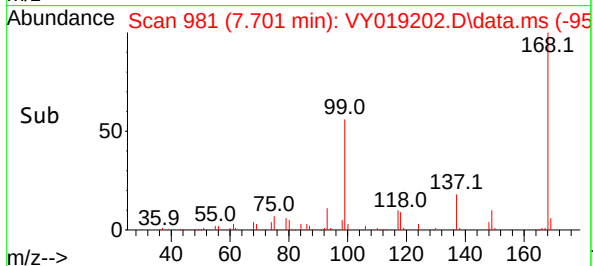
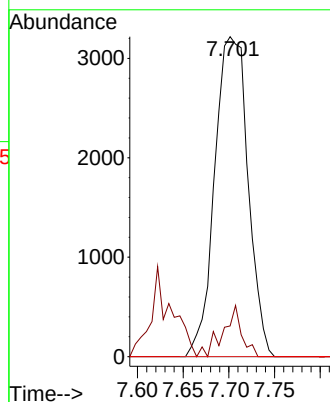
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 8163
Ion Ratio	Lower Upper
75 100	
110 9.0	19.0 57.0#
77 0.0	25.3 37.9#



#37

Ethyl Acetate

Concen: 2.767 ug/l

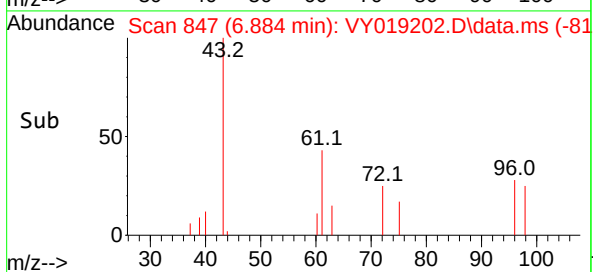
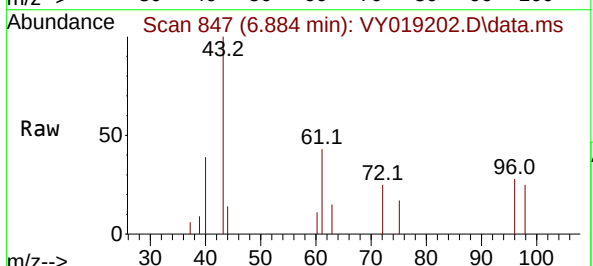
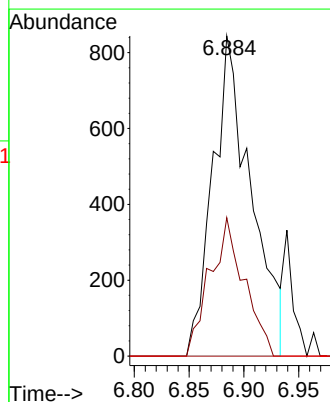
RT: 6.884 min Scan# 847

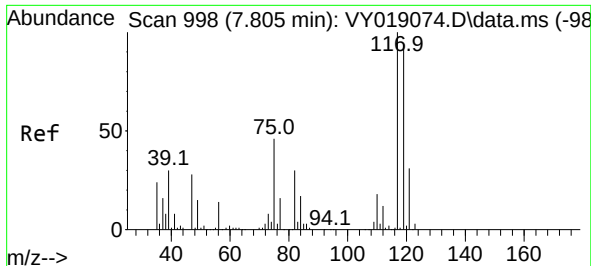
Delta R.T. -0.085 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

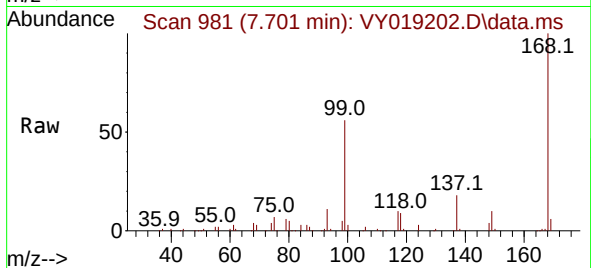
Tgt Ion: 43	Resp: 2050
Ion Ratio	Lower Upper
43 100	
61 38.7	12.6 19.0#
70 0.0	7.8 11.8#



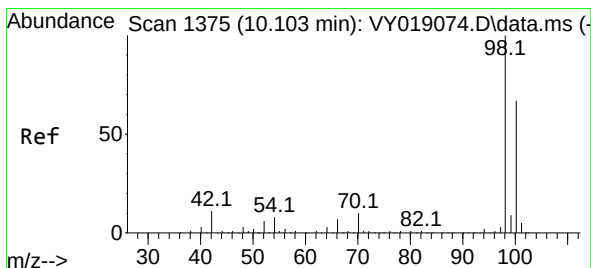
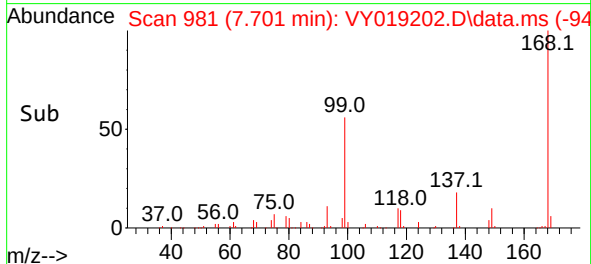
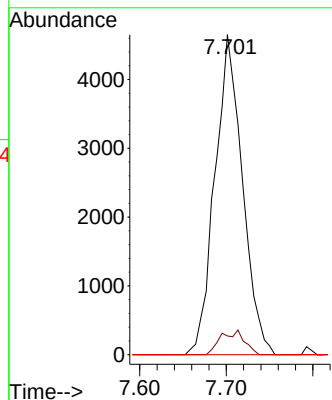


#38
Carbon Tetrachloride
Concen: 5.304 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Instrument :
MSVOA_Y
ClientSampleId :

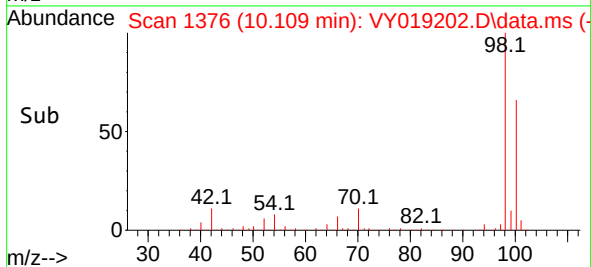
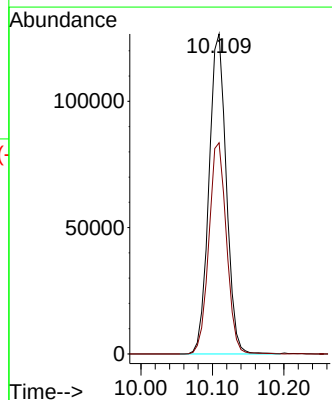
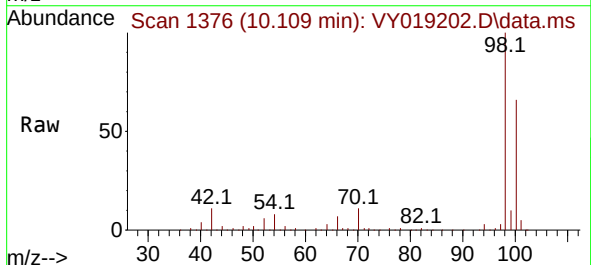


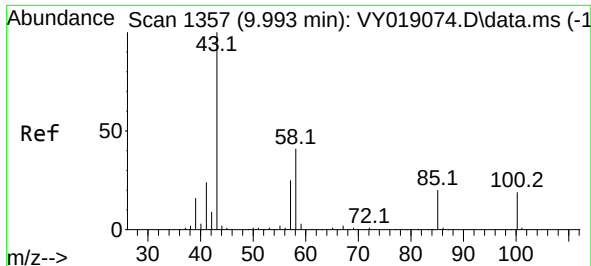
Tgt Ion:117 Resp: 10279
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.592 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Tgt Ion: 98 Resp: 212945
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.192 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

Instrument :

MSVOA_Y

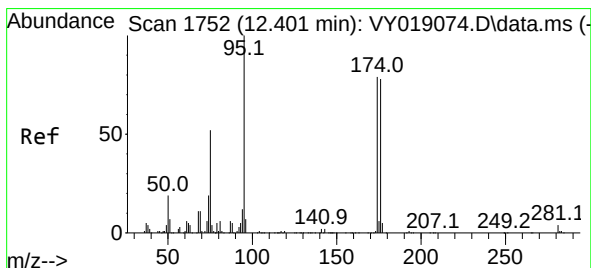
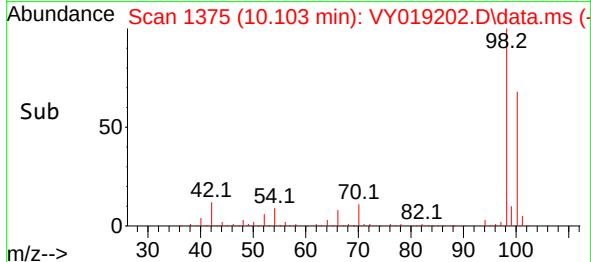
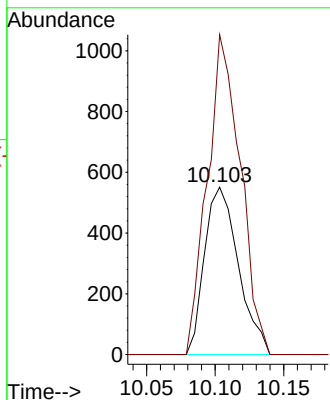
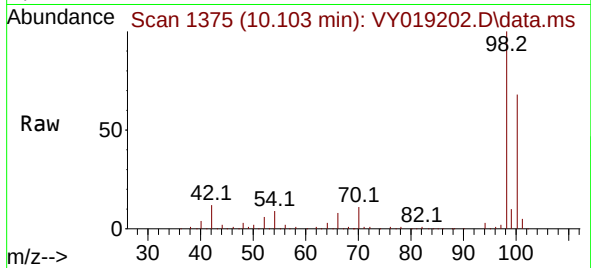
ClientSampleId :

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

43 100

58 186.6 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 45.178 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

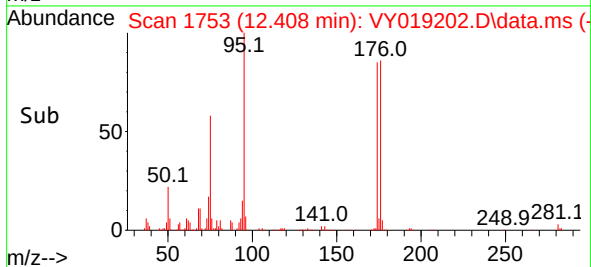
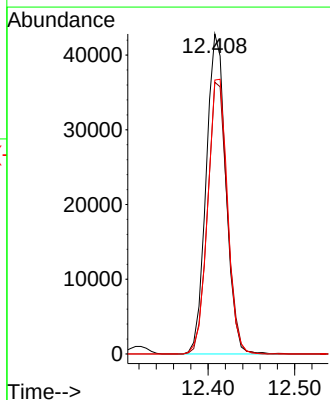
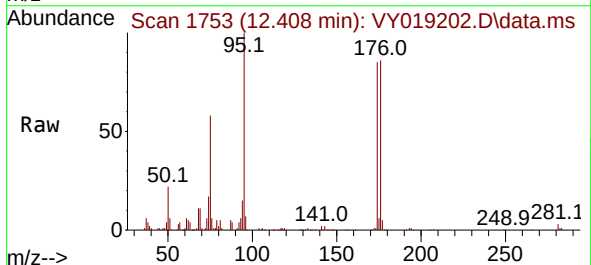
Tgt Ion: 95 Resp: 67492

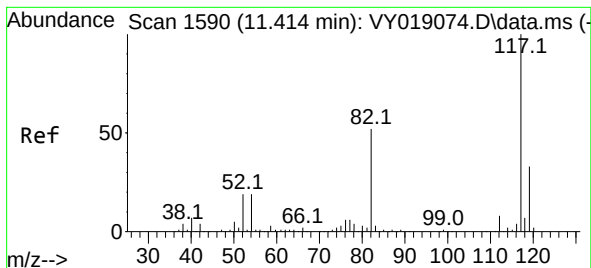
Ion Ratio Lower Upper

95 100

174 84.8 0.0 175.6

176 86.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

Instrument :

MSVOA_Y

ClientSampleId :

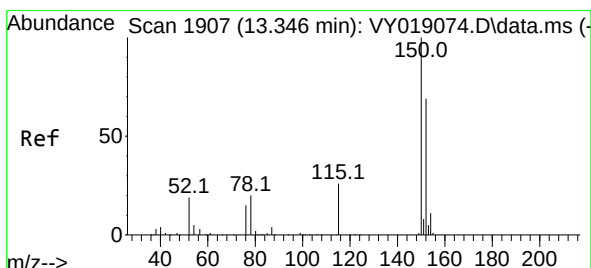
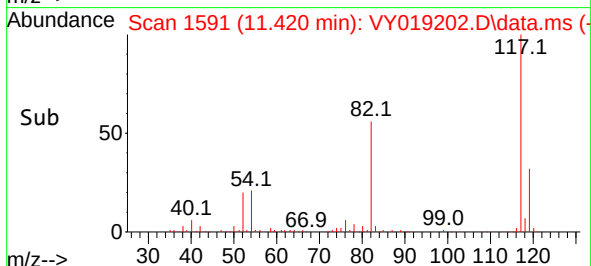
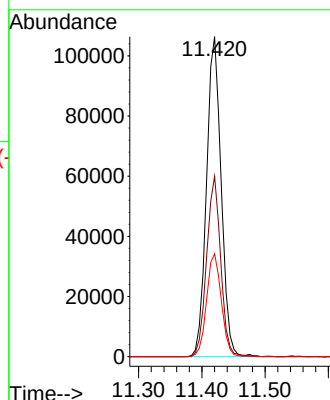
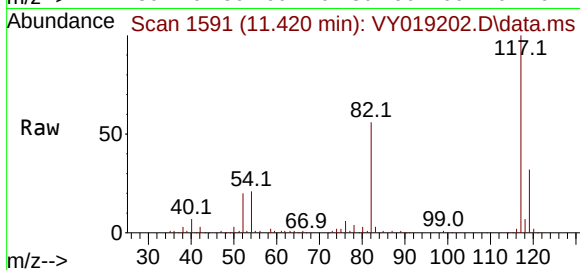
Tgt Ion:117 Resp: 171554

Ion Ratio Lower Upper

117 100

82 56.4 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019202.D

Acq: 22 Aug 2024 06:09

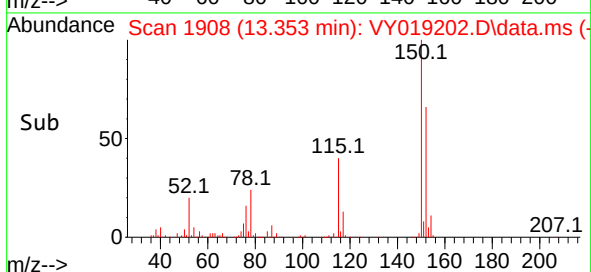
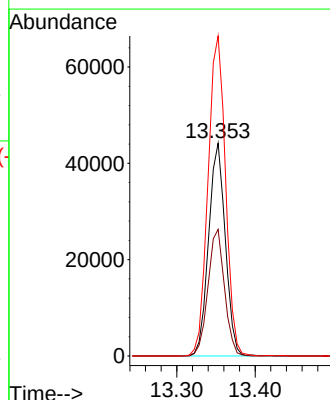
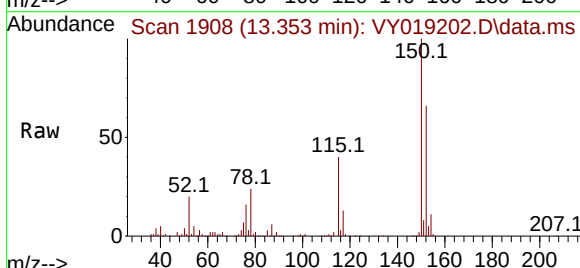
Tgt Ion:152 Resp: 65365

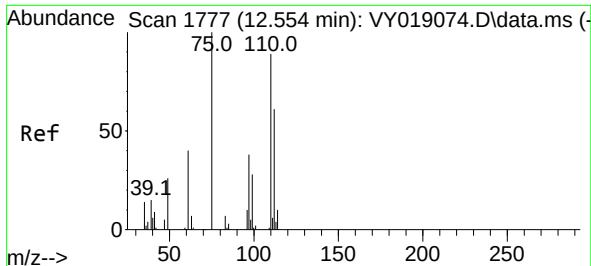
Ion Ratio Lower Upper

152 100

115 58.9 28.2 84.7

150 157.2 0.0 345.6

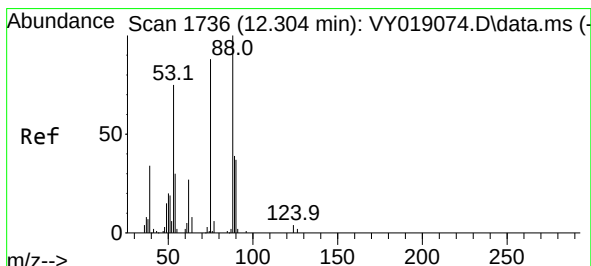
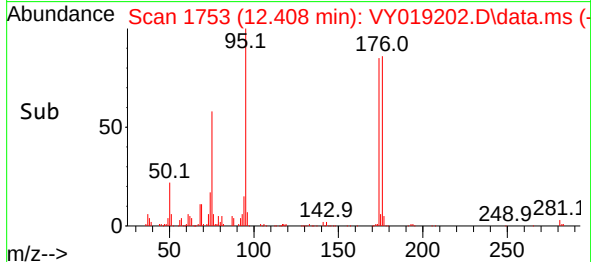
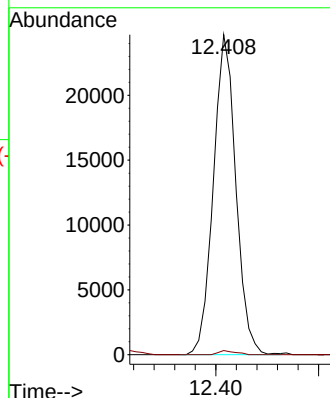
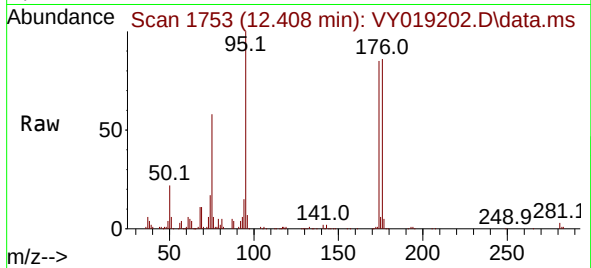




#76
1,2,3-Trichloropropane
Concen: 58.113 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 37461
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.521 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019202.D
Acq: 22 Aug 2024 06:09

Tgt Ion: 75 Resp: 37461
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

