

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019840.D
 Acq On : 09 Oct 2024 18:14
 Operator : SY/MD
 Sample : P4359-01
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 10 05:41:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

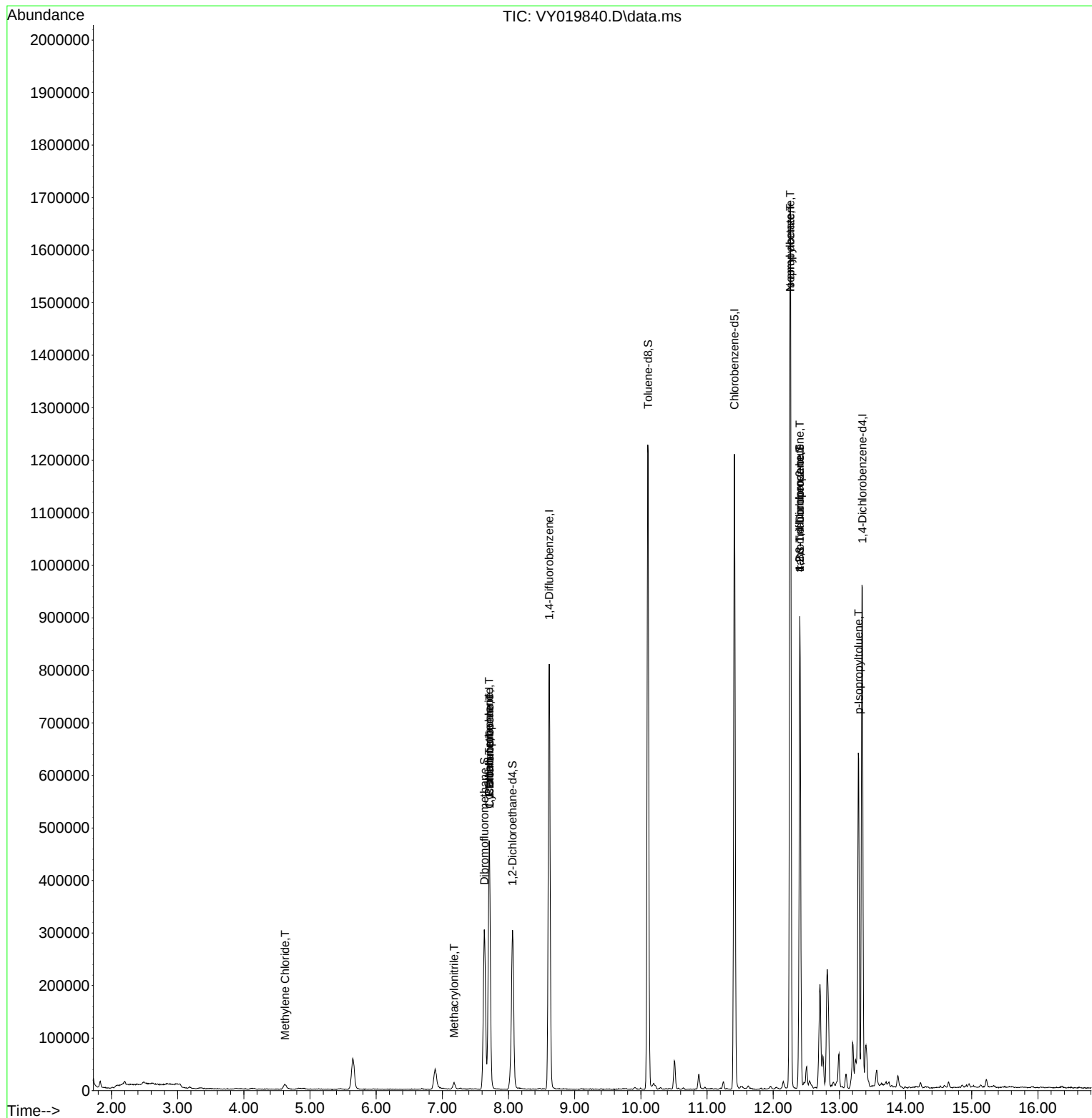
Internal Standards						
1) Pentafluorobenzene	7.707	168	330643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	651501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	594250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	220434	54.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.280%			
35) Dibromofluoromethane	7.634	113	214092	49.798	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.109	98	792582	49.922	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.402	95	264372	46.085	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.180%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	1399	Below Cal	#	87
20) Methylene Chloride	4.622	84	7058	1.650	ug/l	86
31) Cyclohexane	7.713	56	9518	1.399	ug/l #	31
36) 1,1-Dichloropropene	7.713	75	31039	5.011	ug/l #	52
38) Carbon Tetrachloride	7.707	117	36983	5.570	ug/l #	15
41) Methacrylonitrile	7.177	41	5657	3.236	ug/l #	52
73) Isopropylbenzene	12.255	105	64541	3.309	ug/l #	60
74) N-amyl acetate	12.255	43	36964	7.156	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	149215	61.804	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	149215	132.600	ug/l #	8
86) p-Isopropyltoluene	13.292	119	332085	19.399	ug/l	99

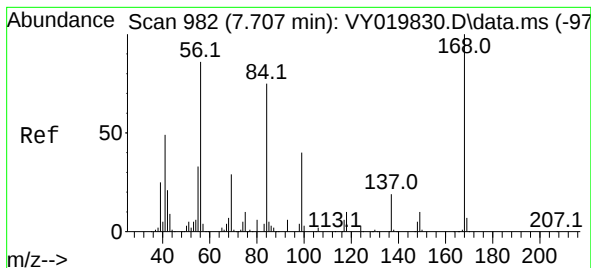
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY100924\
Data File : VY019840.D
Acq On : 09 Oct 2024 18:14
Operator : SY/MD
Sample : P4359-01
Misc : 4.49g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

Quant Time: Oct 10 05:41:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 05:30:07 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

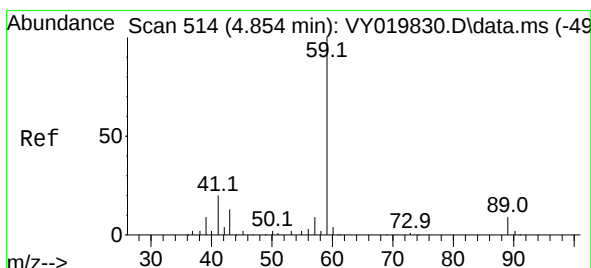
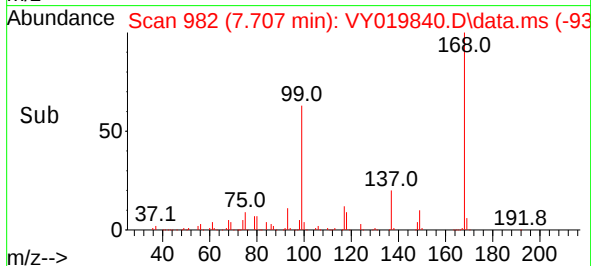
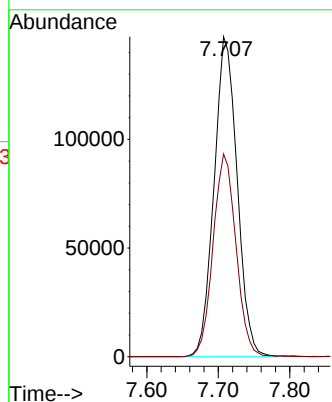
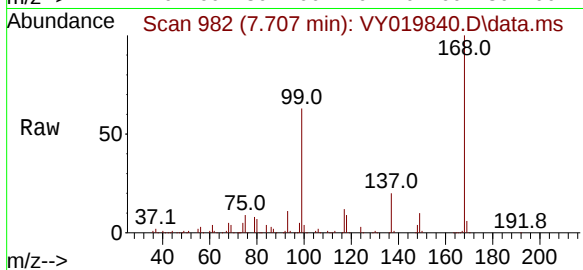
ClientSampleId :

Tgt Ion:168 Resp: 330643

Ion Ratio Lower Upper

168 100

99 63.3 52.6 78.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 511

Delta R.T. -0.018 min

Lab File: VY019840.D

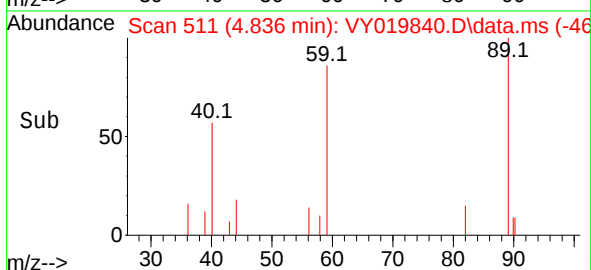
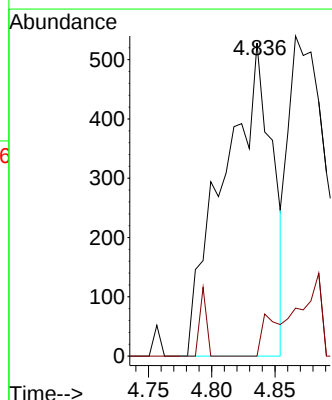
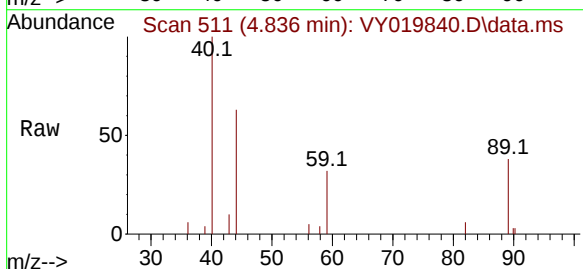
Acq: 09 Oct 2024 18:14

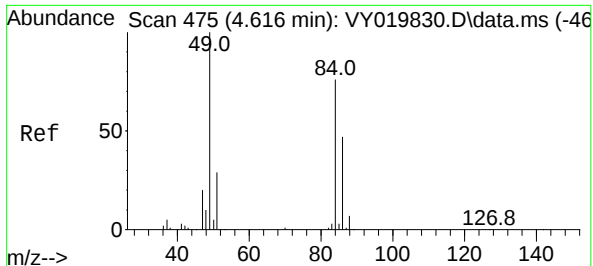
Tgt Ion: 59 Resp: 1399

Ion Ratio Lower Upper

59 100

57 4.8 7.7 11.5#





#20

Methylene Chloride

Concen: 1.650 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

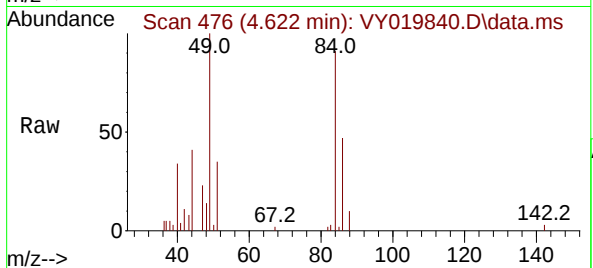
Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 7058

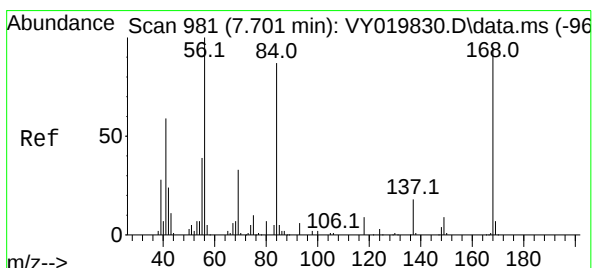
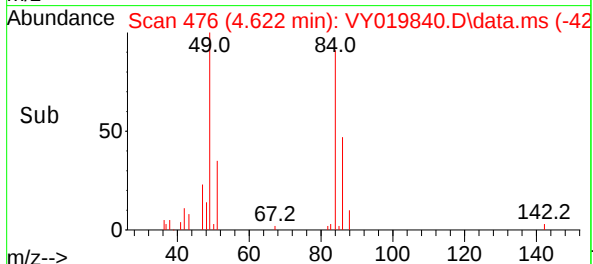
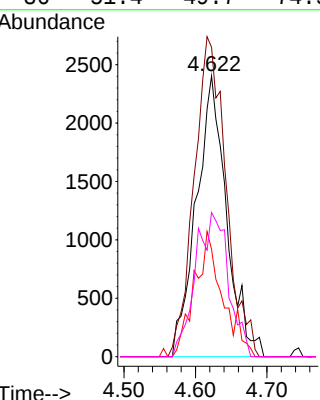
Ion Ratio Lower Upper

84 100

49 110.1 104.8 157.2

51 38.3 30.4 45.6

86 51.4 49.7 74.5



#31

Cyclohexane

Concen: 1.399 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

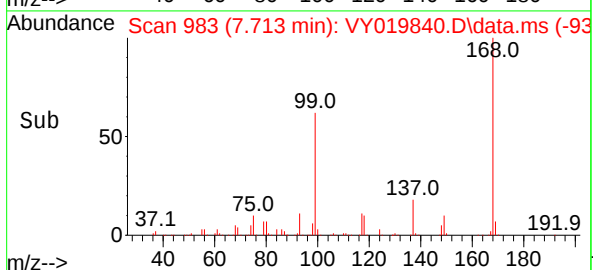
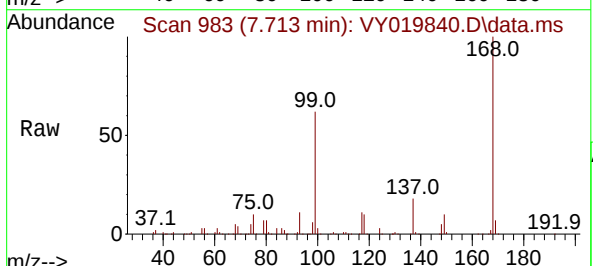
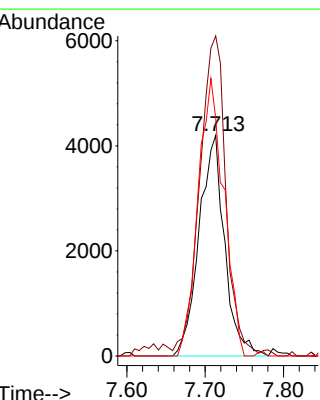
Tgt Ion: 56 Resp: 9518

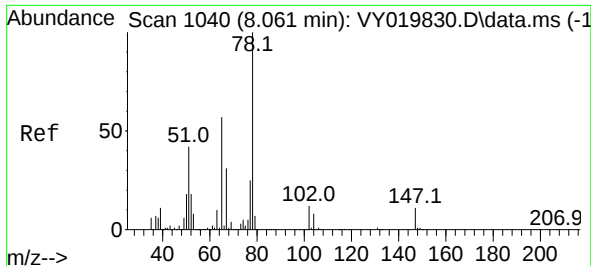
Ion Ratio Lower Upper

56 100

69 142.3 26.6 39.8#

84 107.7 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 54.145 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

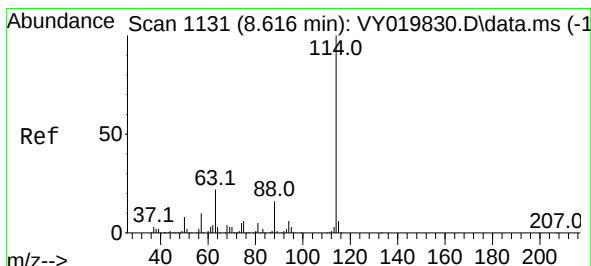
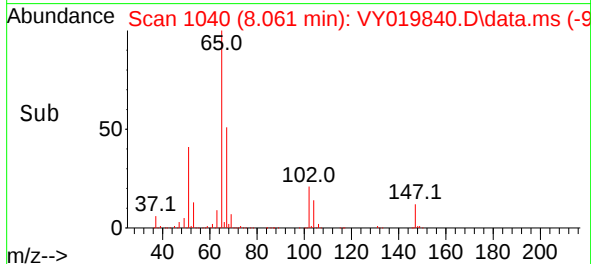
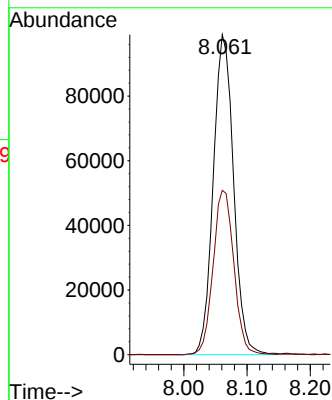
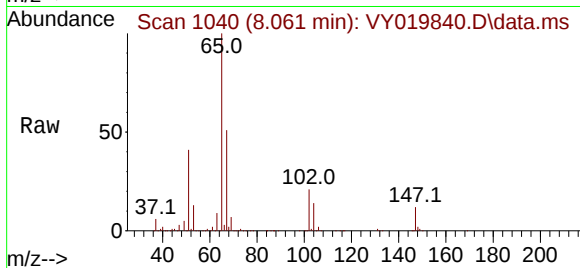
ClientSampleId :

Tgt Ion: 65 Resp: 220434

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

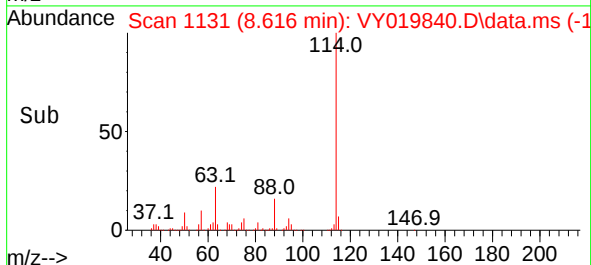
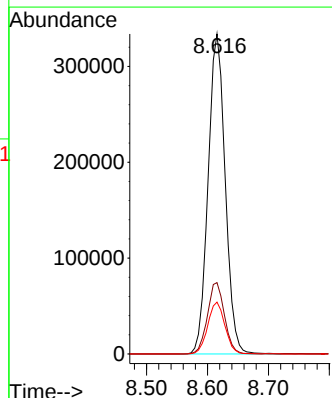
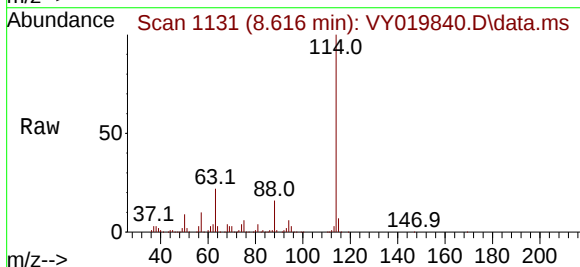
Tgt Ion: 114 Resp: 651501

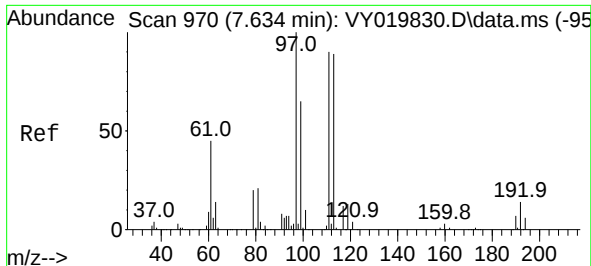
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.798 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

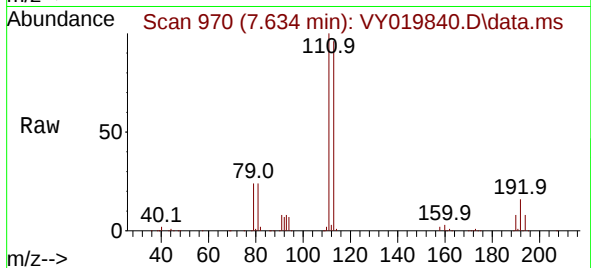
Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

ClientSampleId :



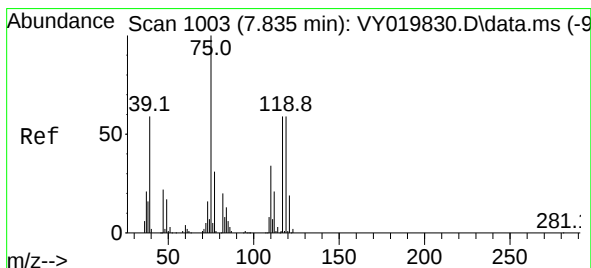
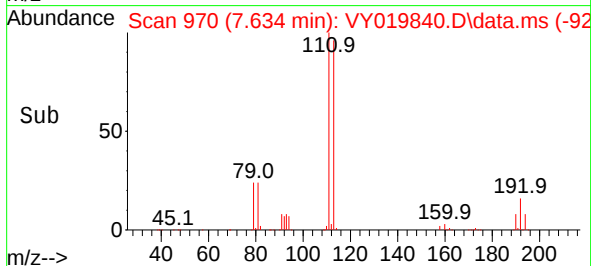
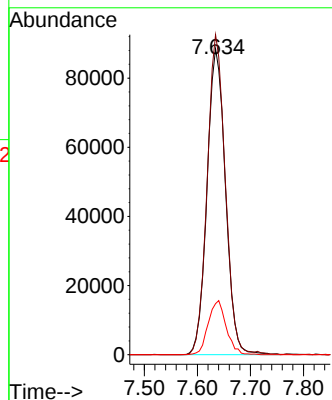
Tgt Ion:113 Resp: 214092

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

192 17.2 13.6 20.4



#36

1,1-Dichloropropene

Concen: 5.011 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

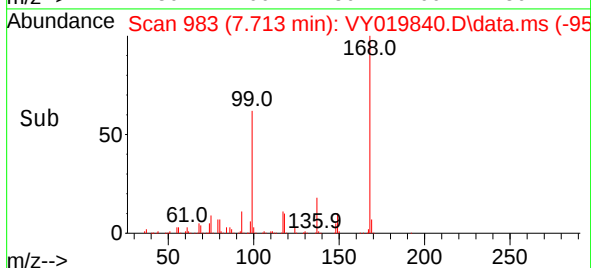
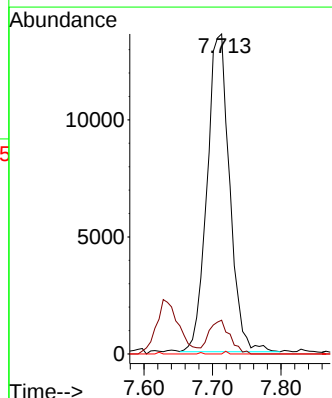
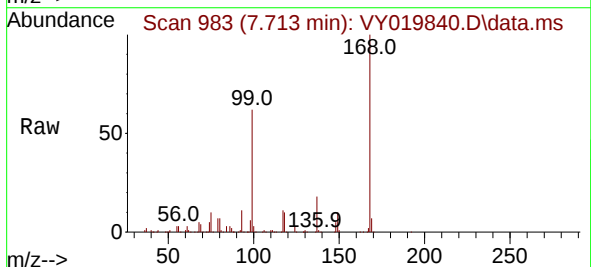
Tgt Ion: 75 Resp: 31039

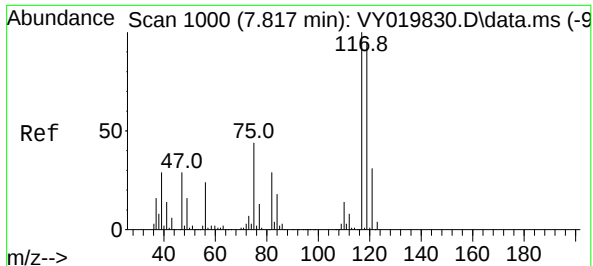
Ion Ratio Lower Upper

75 100

110 9.7 16.6 49.8#

77 0.1 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.570 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.110 min

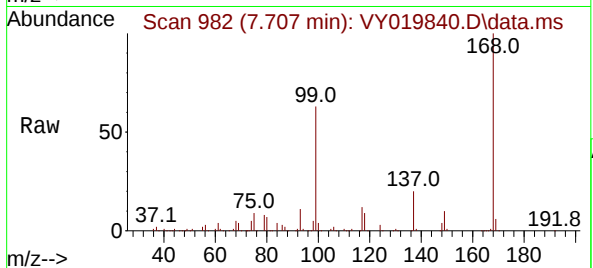
Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

ClientSampleId :



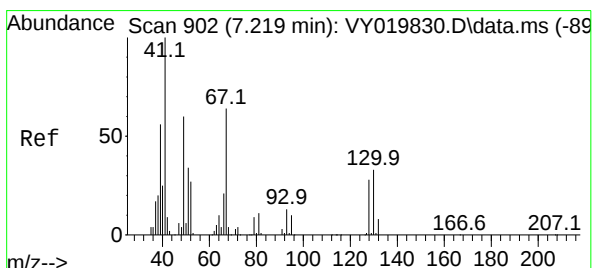
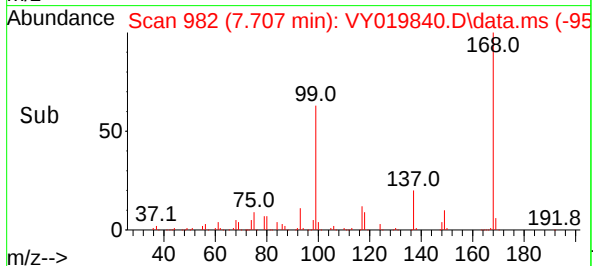
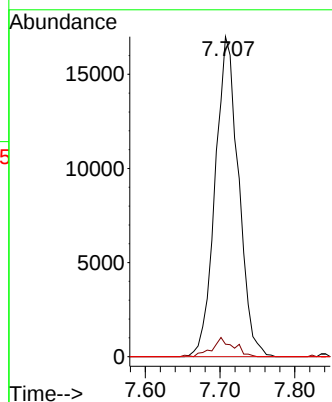
Tgt Ion:117 Resp: 36983

Ion Ratio Lower Upper

117 100

119 3.9 76.2 114.4#

121 0.0 25.0 37.4#



#41

Methacrylonitrile

Concen: 3.236 ug/l

RT: 7.177 min Scan# 895

Delta R.T. -0.043 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Tgt Ion: 41 Resp: 5657

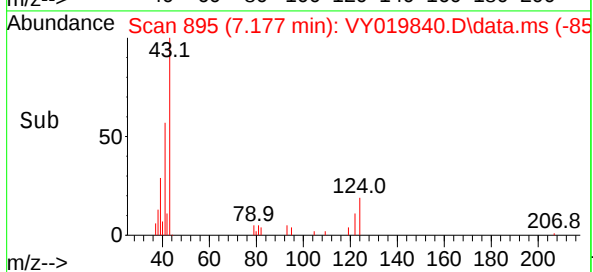
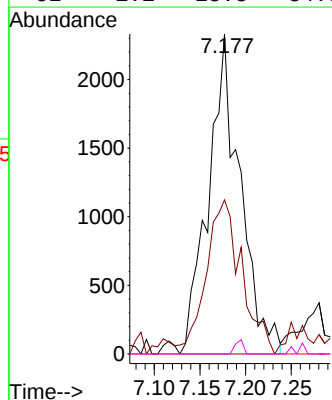
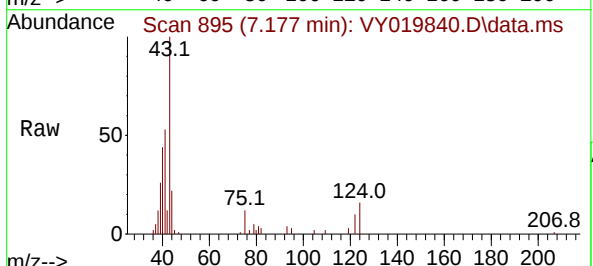
Ion Ratio Lower Upper

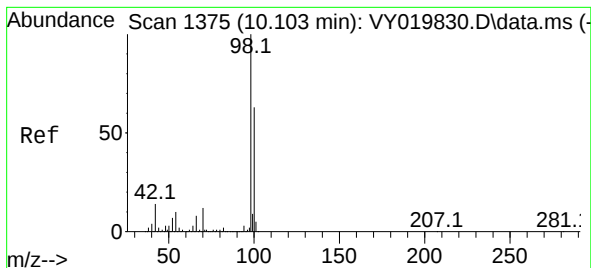
41 100

39 53.6 43.9 65.9

67 0.0 53.2 79.8#

52 1.1 23.3 34.9#





#50

Toluene-d8

Concen: 49.922 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

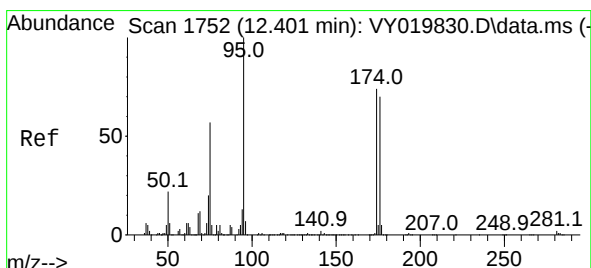
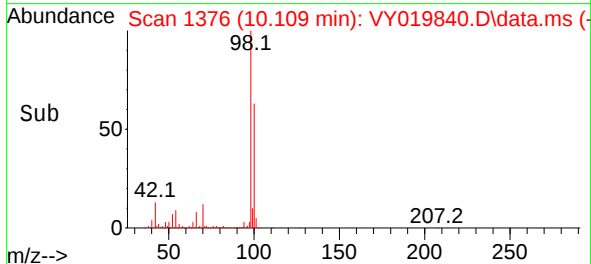
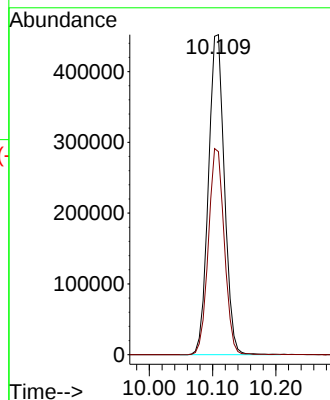
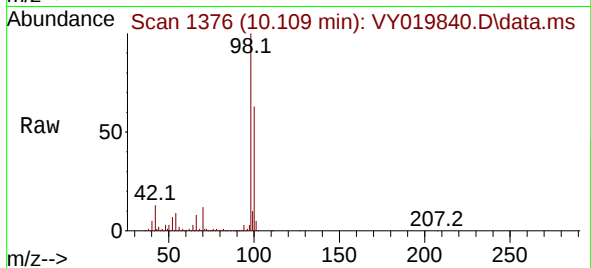
ClientSampleId :

Tgt Ion: 98 Resp: 792582

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 46.085 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

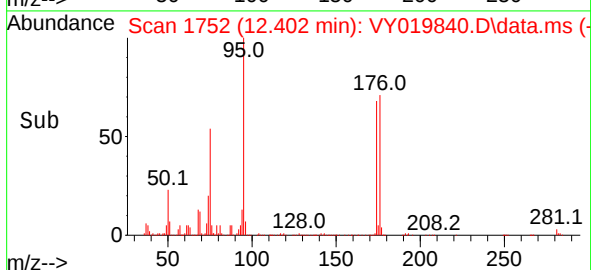
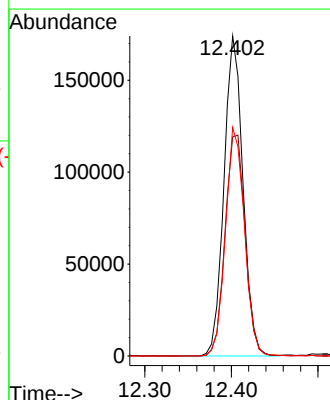
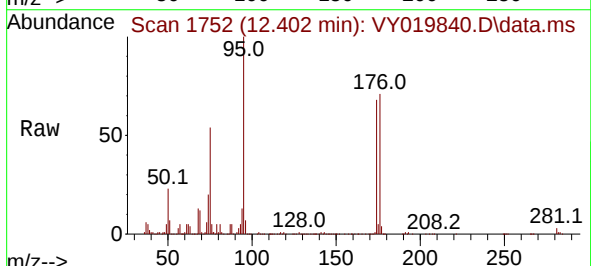
Tgt Ion: 95 Resp: 264372

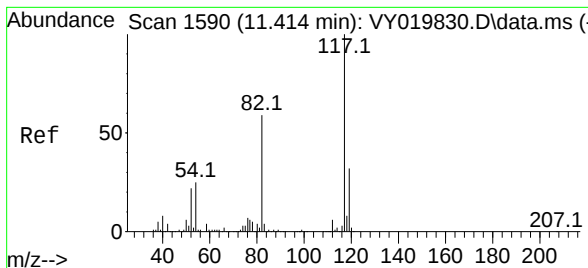
Ion Ratio Lower Upper

95 100

174 73.3 0.0 148.0

176 71.7 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

ClientSampleId :

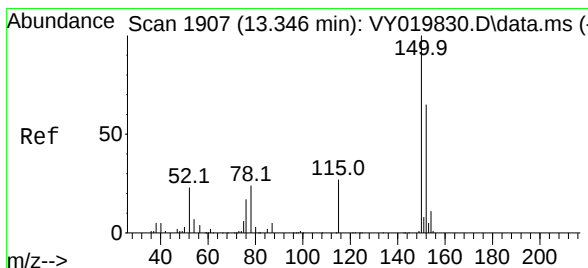
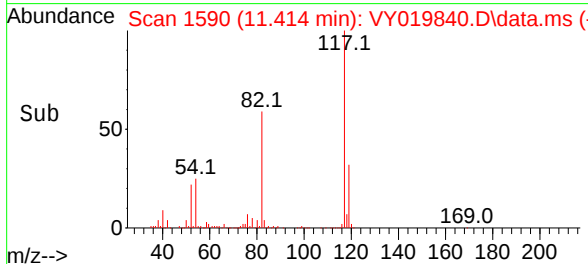
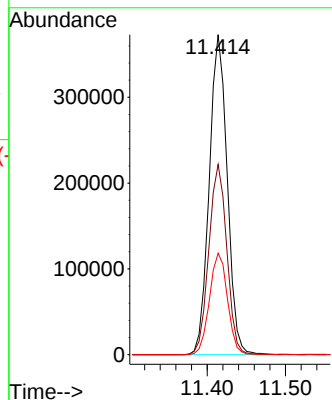
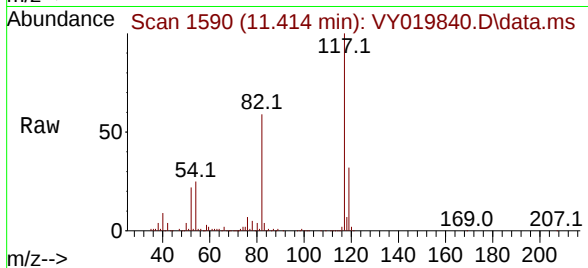
Tgt Ion:117 Resp: 594250

Ion Ratio Lower Upper

117 100

82 59.5 46.9 70.3

119 31.7 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

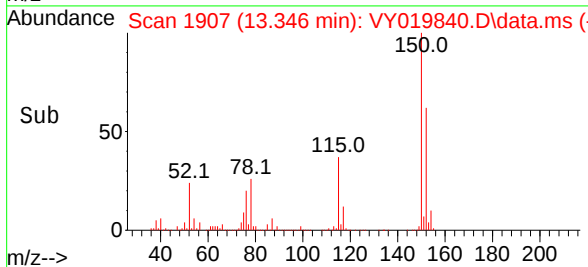
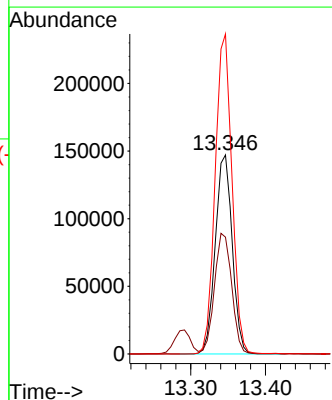
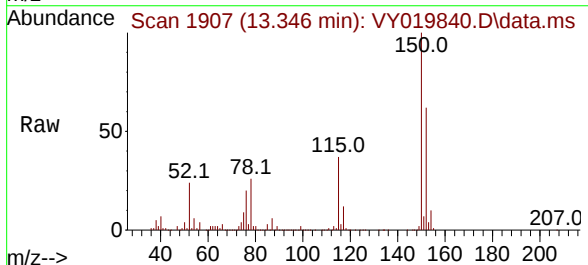
Tgt Ion:152 Resp: 231861

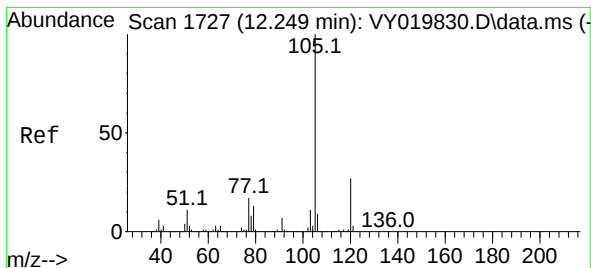
Ion Ratio Lower Upper

152 100

115 61.5 30.8 92.3

150 158.6 0.0 352.8





#73

Isopropylbenzene

Concen: 3.309 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

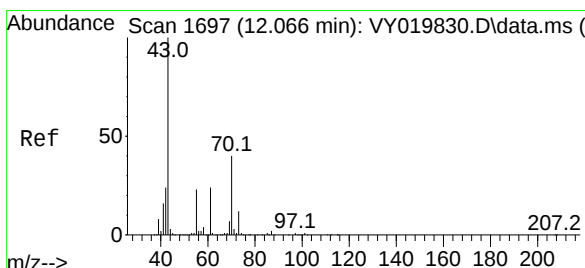
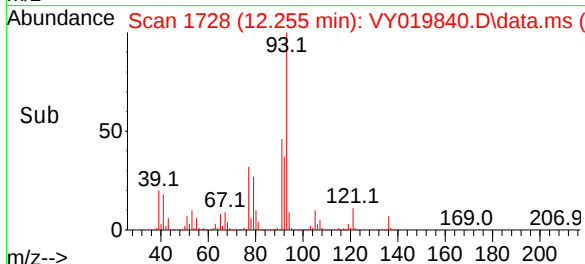
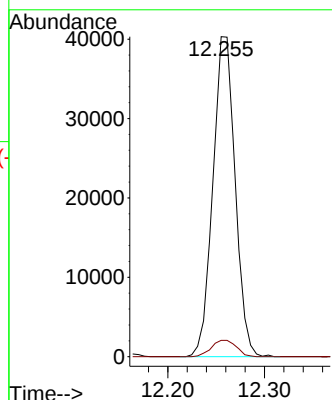
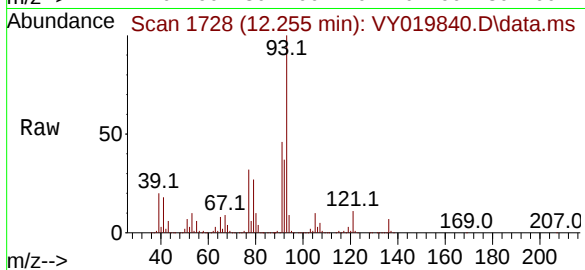
ClientSampleId :

Tgt Ion:105 Resp: 64541

Ion Ratio Lower Upper

105 100

120 5.7 13.0 38.9#



#74

N-ethyl acetate

Concen: 7.156 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.189 min

Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Tgt Ion: 43 Resp: 36964

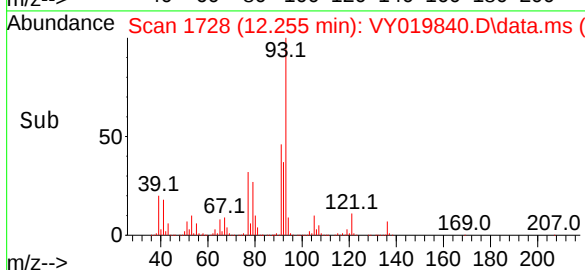
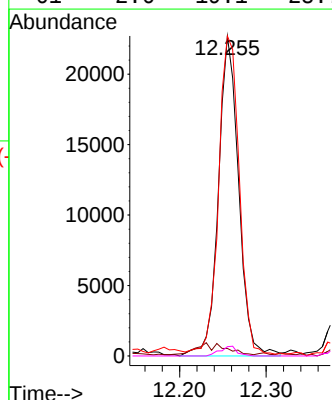
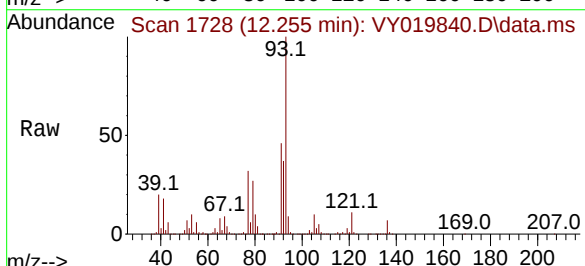
Ion Ratio Lower Upper

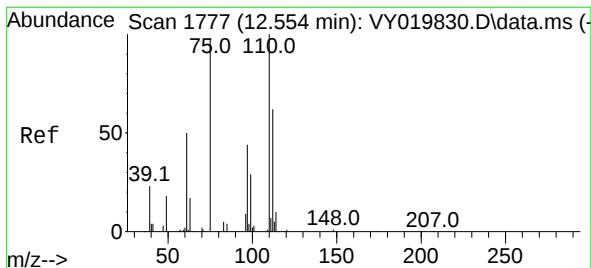
43 100

70 0.0 32.8 49.2#

55 100.6 19.3 28.9#

61 2.6 19.1 28.7#

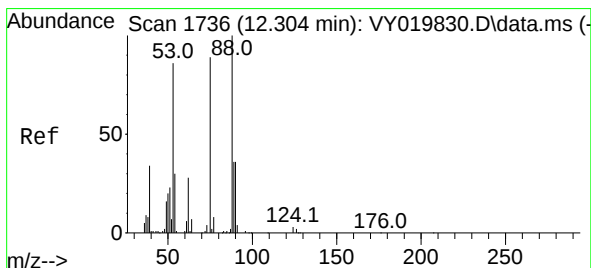
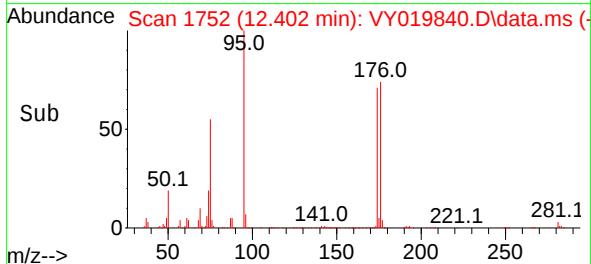
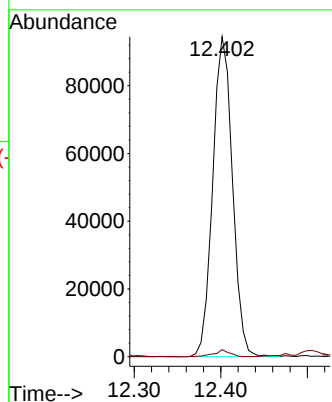
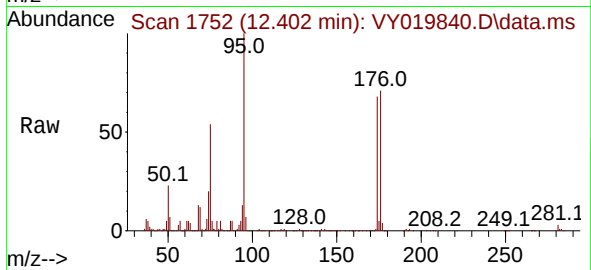




#76
1,2,3-Trichloropropane
Concen: 61.804 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019840.D
Acq: 09 Oct 2024 18:14

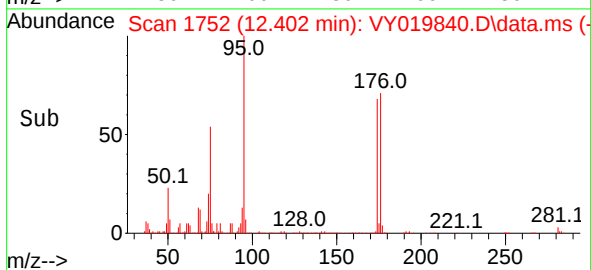
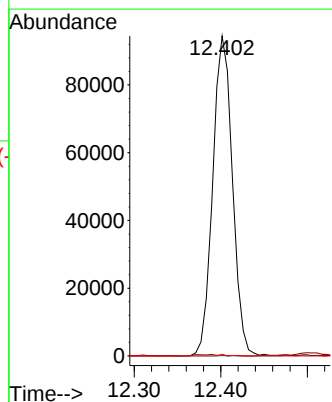
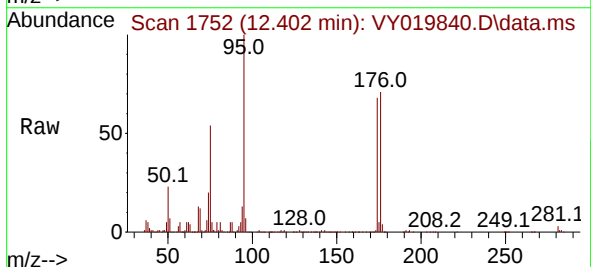
Instrument :
MSVOA_Y
ClientSampleId :

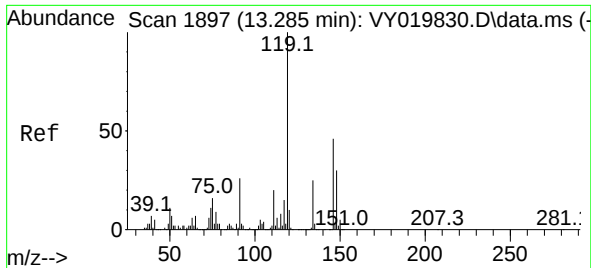
Tgt Ion: 75 Resp: 149215
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 132.600 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019840.D
Acq: 09 Oct 2024 18:14

Tgt Ion: 75 Resp: 149215
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 0.2 35.4 53.2#





#86

p-Isopropyltoluene

Concen: 19.399 ug/l

RT: 13.292 min Scan# 11

Delta R.T. 0.006 min

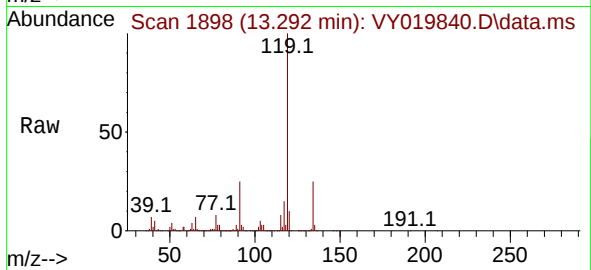
Lab File: VY019840.D

Acq: 09 Oct 2024 18:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:119 Resp: 332085

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 25.9 12.7 38.0

