

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019833.D
 Acq On : 09 Oct 2024 12:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 10 05:33:57 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	7.713	168	346374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	677063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	600486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	216481	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	216047	50.657	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.320%
35) Dibromofluoromethane	7.634	113	217059	48.582	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.109	98	810968	49.152	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.300%
62) 4-Bromofluorobenzene	12.401	95	257681	43.223	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	86.440%

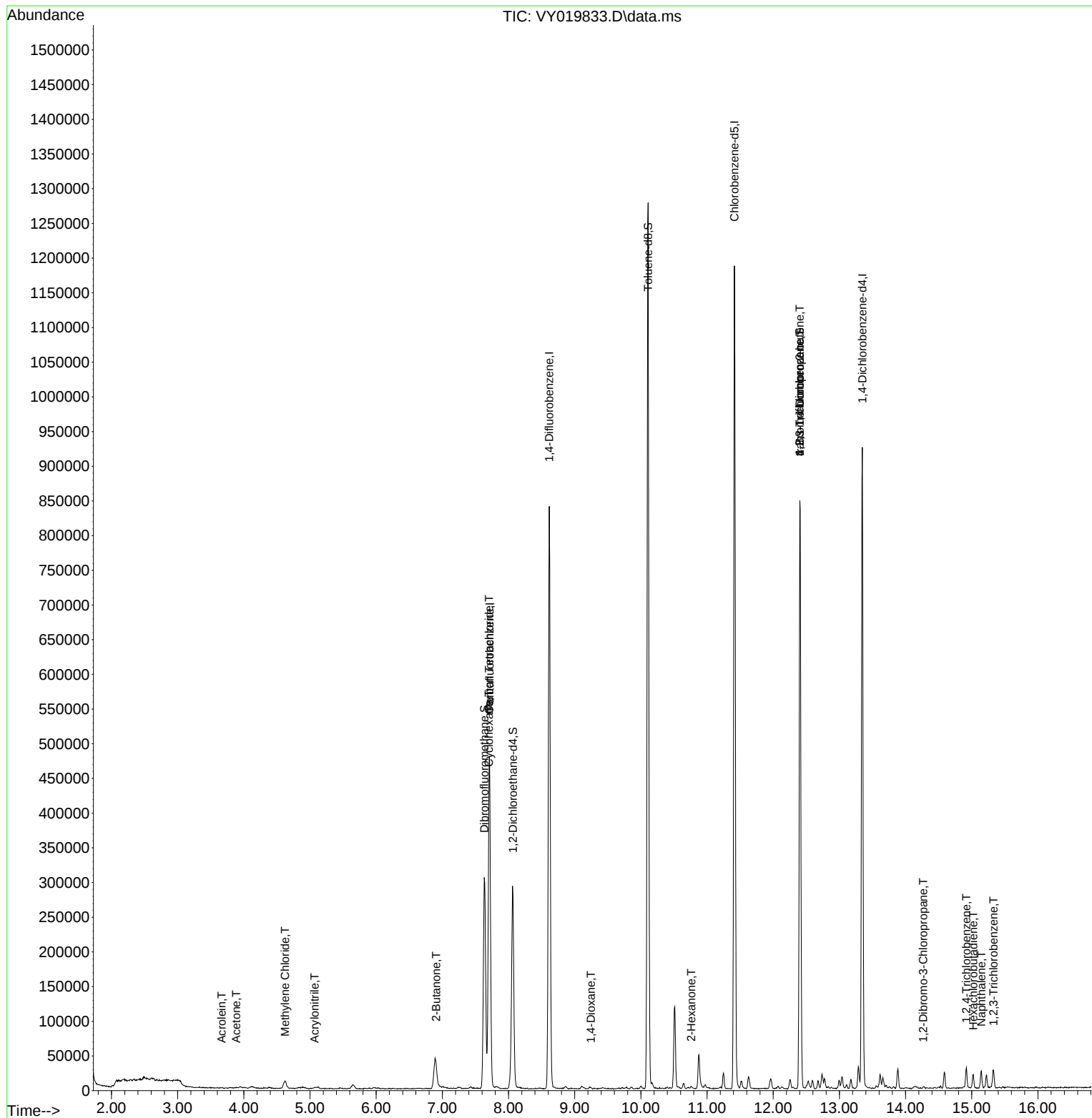
Target Compounds					Qvalue
11) Tert butyl alcohol	4.848	59	1782	Below Cal	# 89
13) Acrolein	3.665	56	600	1.915	ug/l # 55
15) Acrylonitrile	5.067	53	2085	2.183	ug/l # 73
16) Acetone	3.885	43	2828	2.547	ug/l # 83
20) Methylene Chloride	4.622	84	6940	1.549	ug/l # 88
25) 2-Butanone	6.908	43	3826	2.575	ug/l # 89
31) Cyclohexane	7.701	56	10142	1.423	ug/l # 55
38) Carbon Tetrachloride	7.707	117	38805	5.624	ug/l # 16
49) 1,4-Dioxane	9.243	88	138	4.628	ug/l # 13
59) 2-Hexanone	10.761	43	3036	1.217	ug/l 98
76) 1,2,3-Trichloropropane	12.401	75	145254	64.438	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.401	75	145254	138.251	ug/l # 8
92) 1,2-Dibromo-3-Chloropr...	14.267	75	762	1.476	ug/l 72
93) 1,2,4-Trichlorobenzene	14.919	180	7219	1.878	ug/l 94
94) Hexachlorobutadiene	15.023	225	2707	1.266	ug/l 93
95) Naphthalene	15.145	128	17089	2.357	ug/l 97
96) 1,2,3-Trichlorobenzene	15.328	180	7574	2.331	ug/l 97

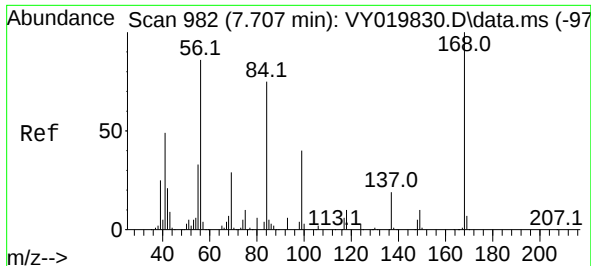
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

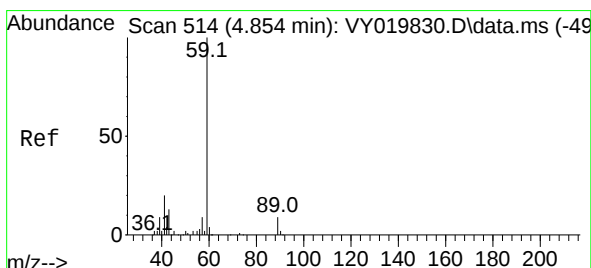
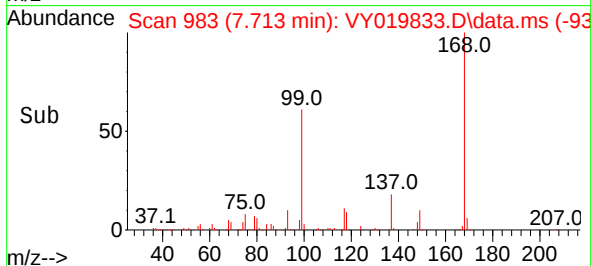
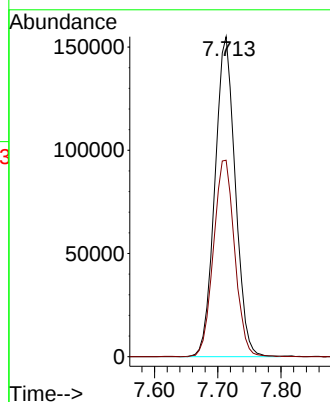
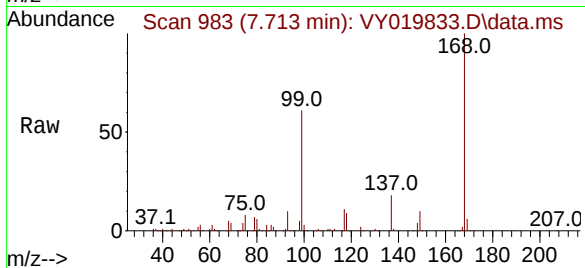




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

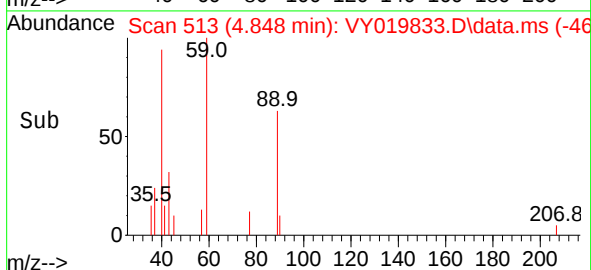
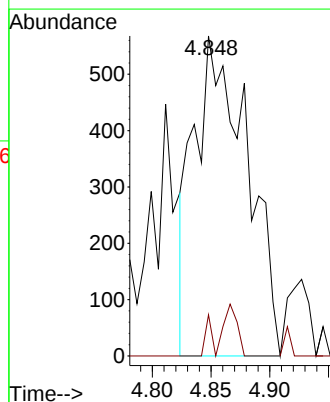
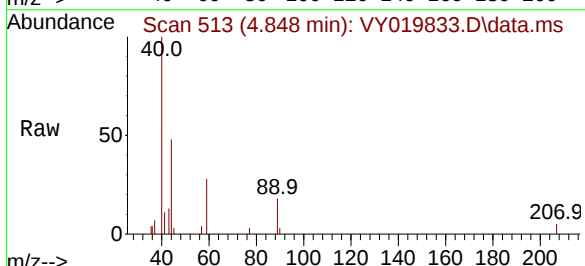
Instrument :
MSVOA_Y
ClientSampleId :

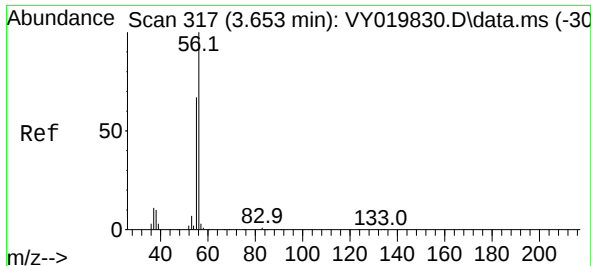
Tgt Ion:168 Resp: 346374
Ion Ratio Lower Upper
168 100
99 61.4 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

Tgt Ion: 59 Resp: 1782
Ion Ratio Lower Upper
59 100
57 5.7 7.7 11.5#





#13

Acrolein

Concen: 1.915 ug/l

RT: 3.665 min Scan# 317

Delta R.T. 0.012 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

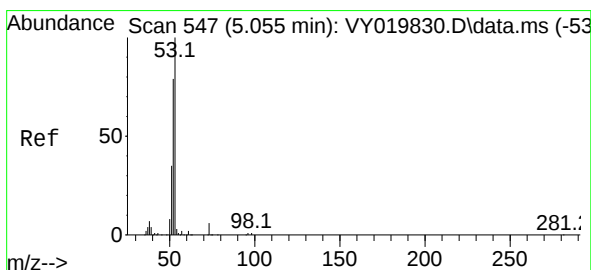
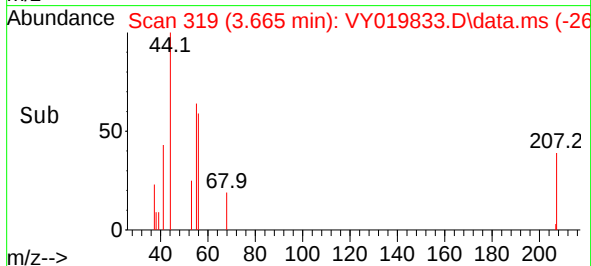
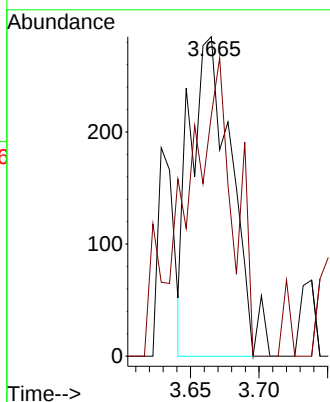
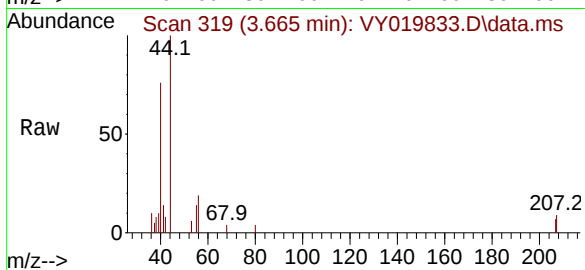
ClientSampleId :

Tgt Ion: 56 Resp: 600

Ion Ratio Lower Upper

56 100

55 108.5 56.9 85.3#



#15

Acrylonitrile

Concen: 2.183 ug/l

RT: 5.067 min Scan# 549

Delta R.T. 0.012 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

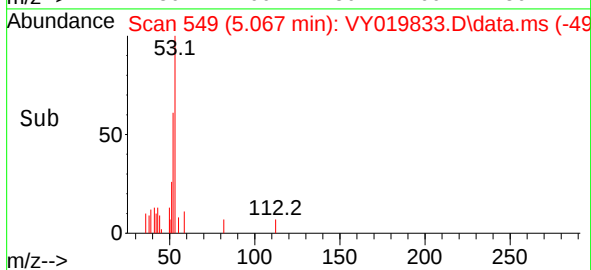
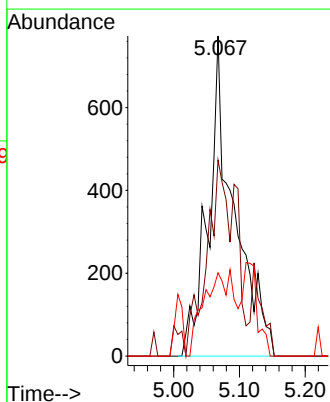
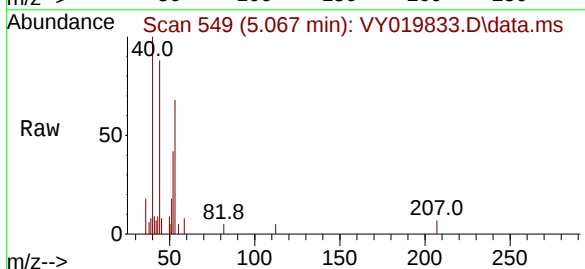
Tgt Ion: 53 Resp: 2085

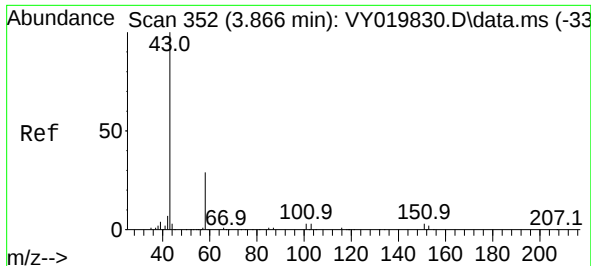
Ion Ratio Lower Upper

53 100

52 50.4 65.0 97.6#

51 31.1 29.9 44.9

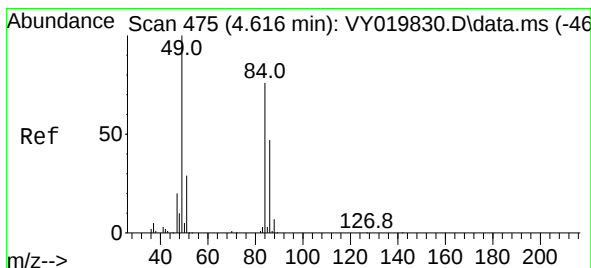
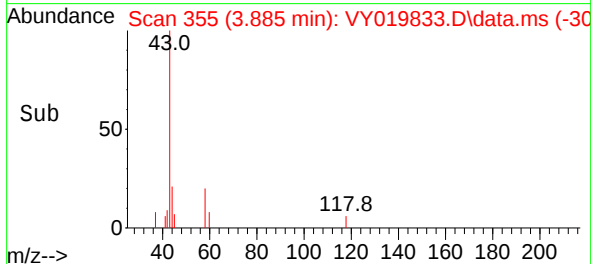
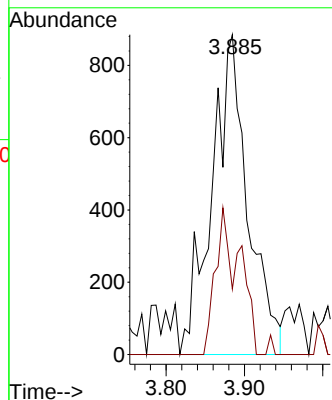
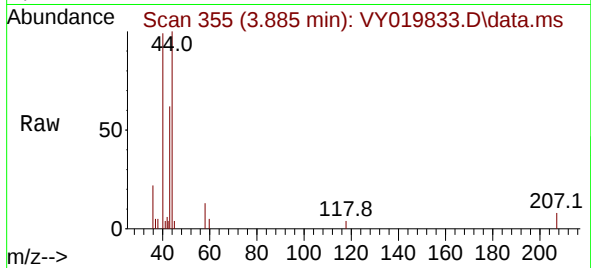




#16
Acetone
Concen: 2.547 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

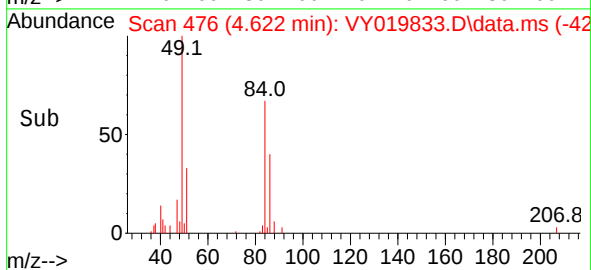
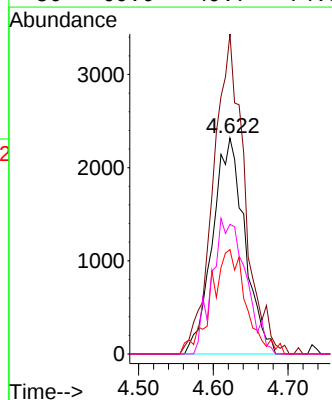
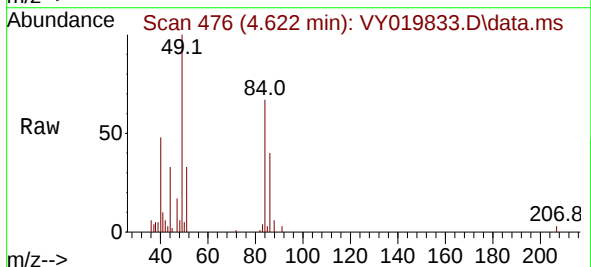
Instrument :
MSVOA_Y
ClientSampleId :

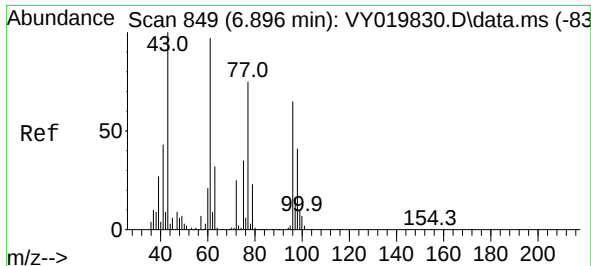
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 20.5 23.8 35.6#



#20
Methylene Chloride
Concen: 1.549 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

Tgt Ion: 84 Resp: 6940
Ion Ratio Lower Upper
84 100
49 148.3 104.8 157.2
51 48.3 30.4 45.6#
86 60.0 49.7 74.5





#25

2-Butanone

Concen: 2.575 ug/l

RT: 6.908 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

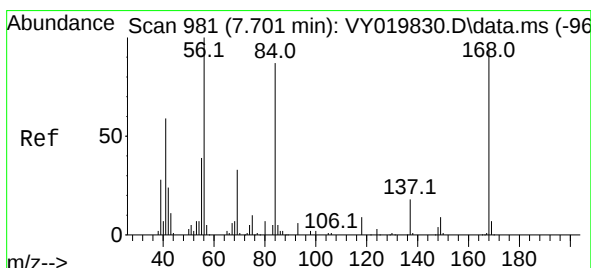
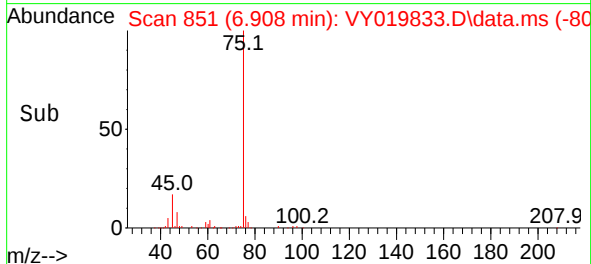
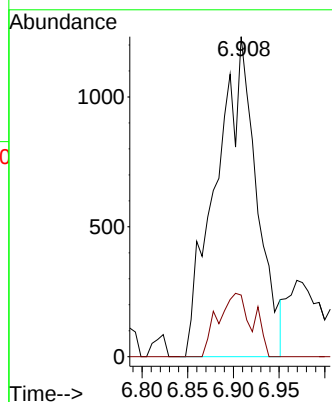
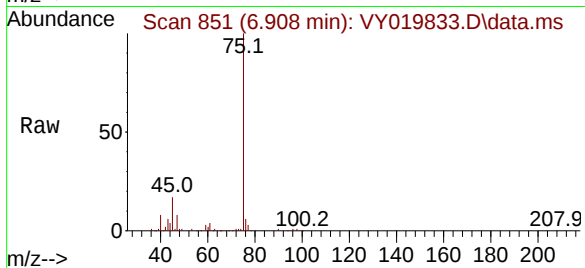
ClientSampleId :

Tgt Ion: 43 Resp: 3826

Ion Ratio Lower Upper

43 100

72 19.2 19.8 29.6#



#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

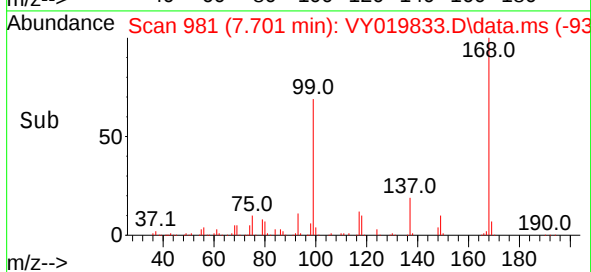
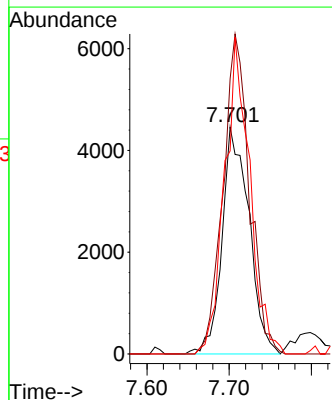
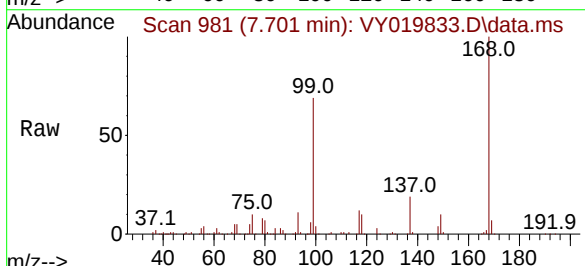
Tgt Ion: 56 Resp: 10142

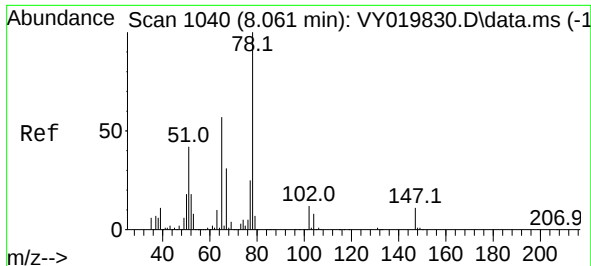
Ion Ratio Lower Upper

56 100

69 121.3 26.6 39.8#

84 89.5 69.6 104.4





#33

1,2-Dichloroethane-d4

Concen: 50.657 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

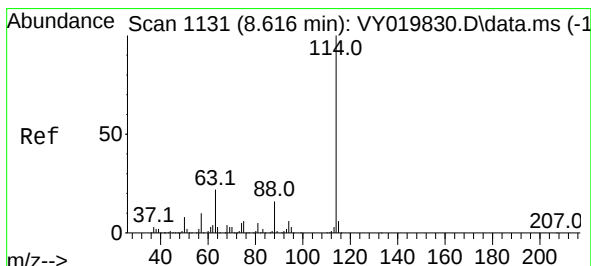
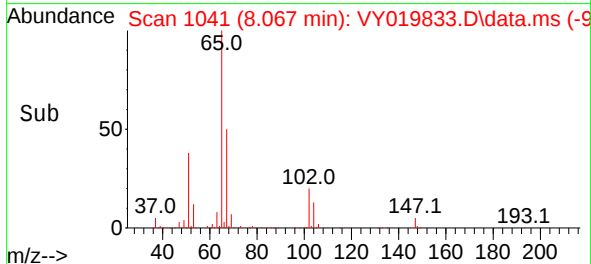
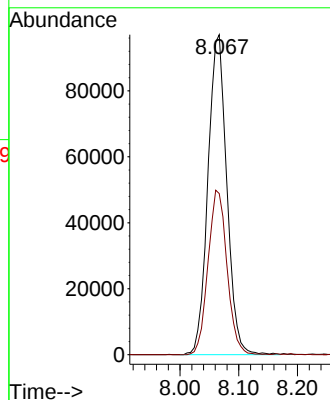
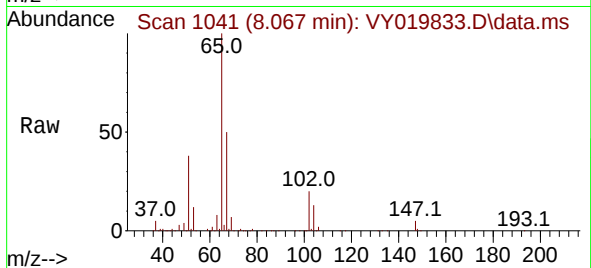
ClientSampleId :

Tgt Ion: 65 Resp: 216047

Ion Ratio Lower Upper

65 100

67 51.9 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: VY019833.D

Acq: 09 Oct 2024 12:35

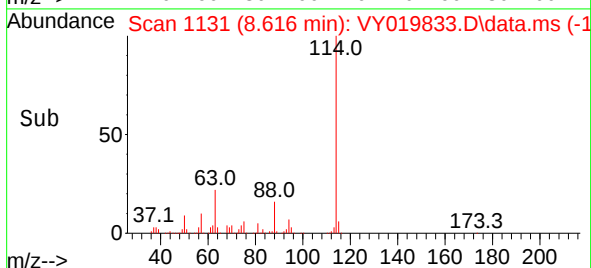
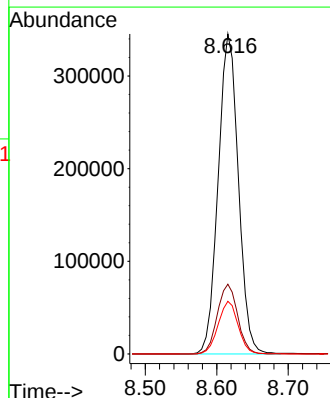
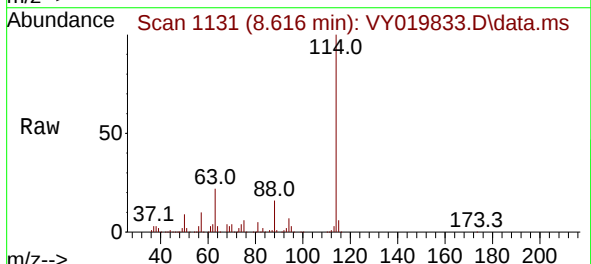
Tgt Ion: 114 Resp: 677063

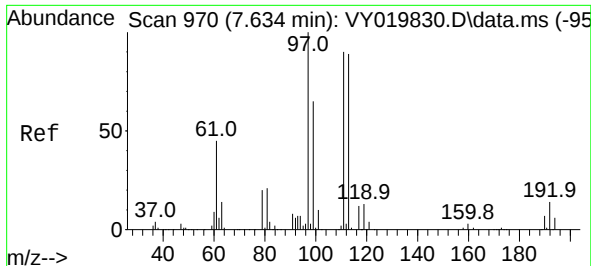
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 16.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.582 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

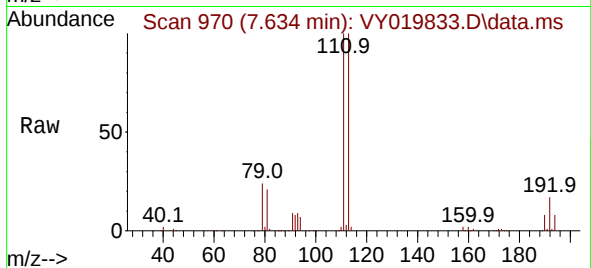
Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :



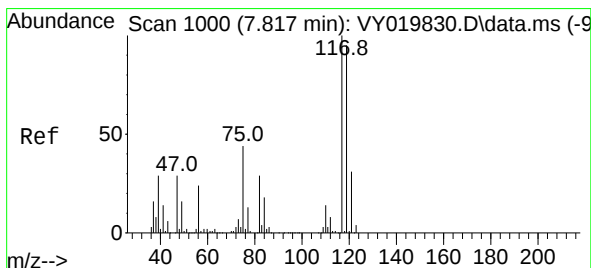
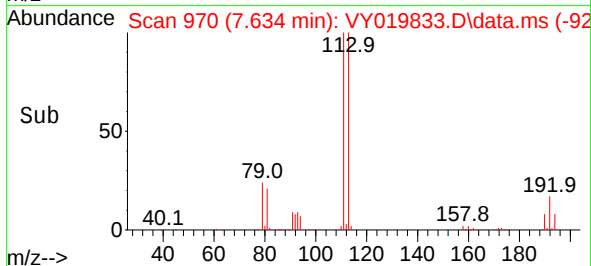
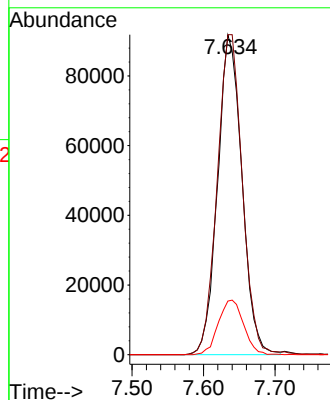
Tgt Ion:113 Resp: 217059

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

192 17.7 13.6 20.4



#38

Carbon Tetrachloride

Concen: 5.624 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

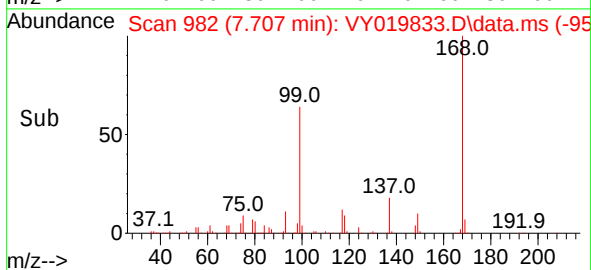
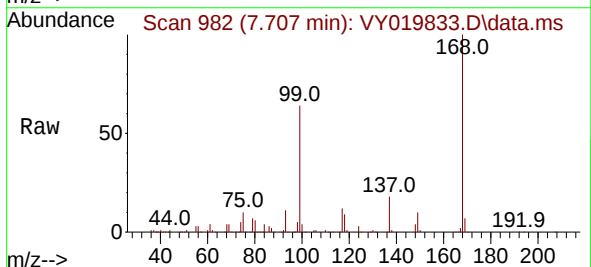
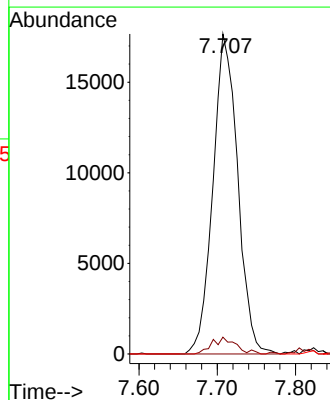
Tgt Ion:117 Resp: 38805

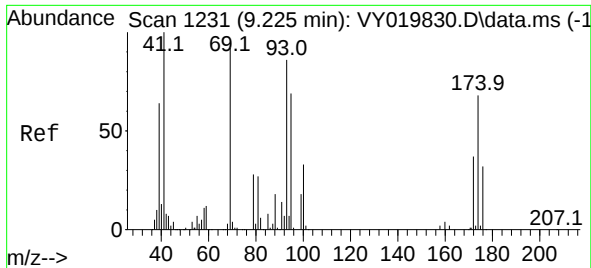
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 25.0 37.4#

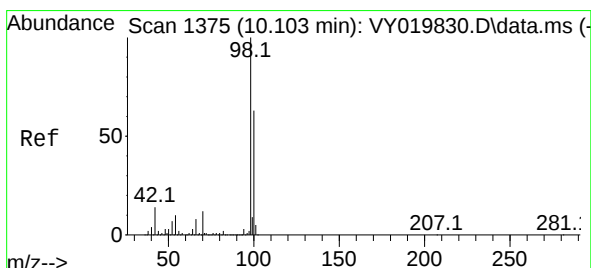
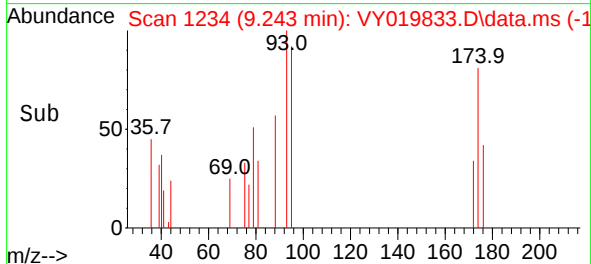
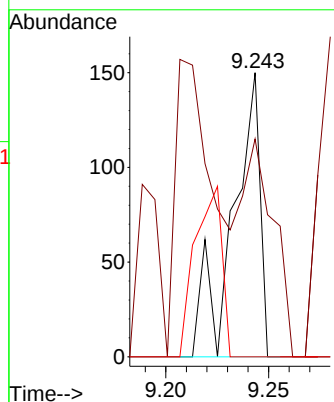
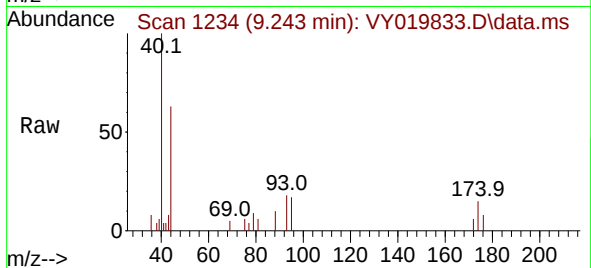




#49
1,4-Dioxane
Concen: 4.628 ug/l
RT: 9.243 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

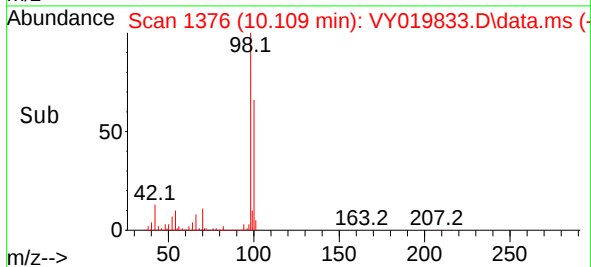
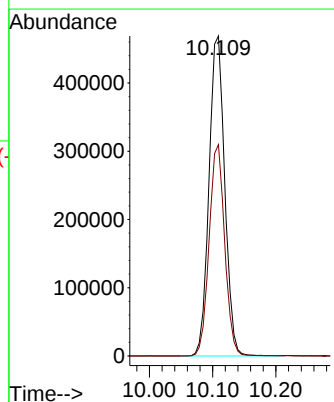
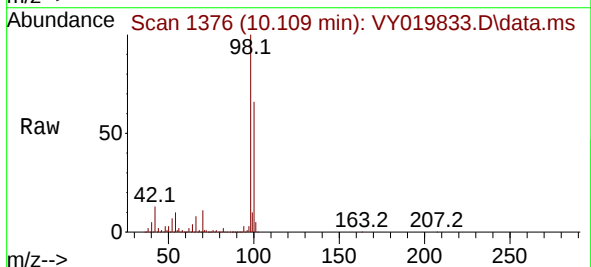
Instrument :
MSVOA_Y
ClientSampleId :

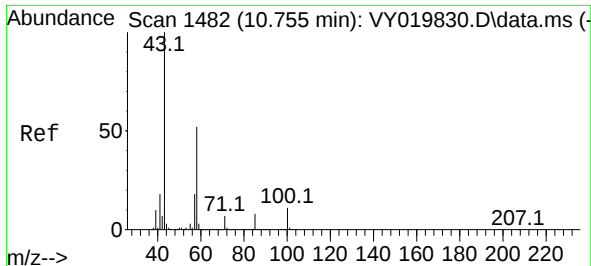
Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 91.3 28.5 42.7#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 49.152 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

Tgt Ion: 98 Resp: 810968
Ion Ratio Lower Upper
98 100
100 65.3 51.1 76.7





#59

2-Hexanone

Concen: 1.217 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.006 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

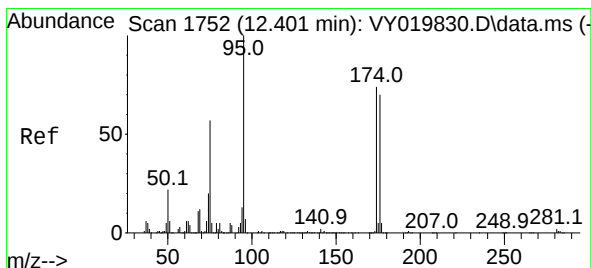
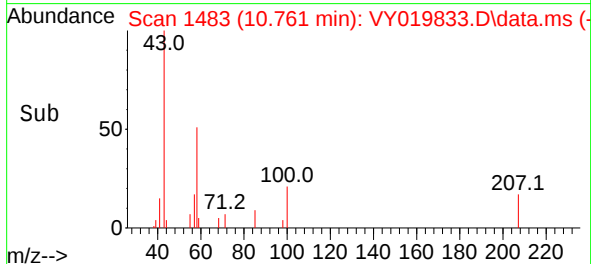
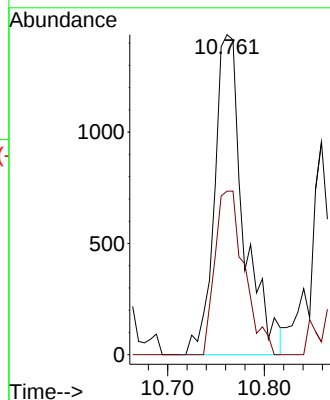
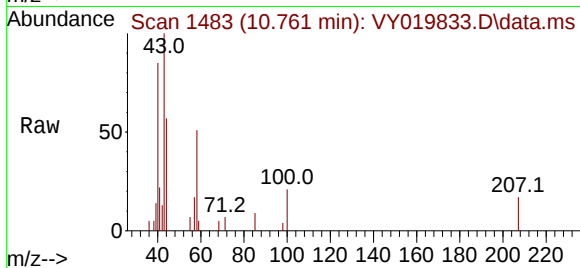
ClientSampleId :

Tgt Ion: 43 Resp: 3036

Ion Ratio Lower Upper

43 100

58 51.2 26.4 79.2



#62

4-Bromofluorobenzene

Concen: 43.223 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

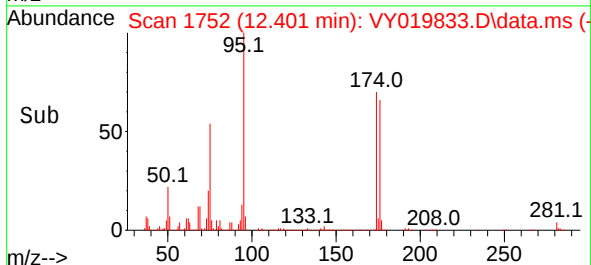
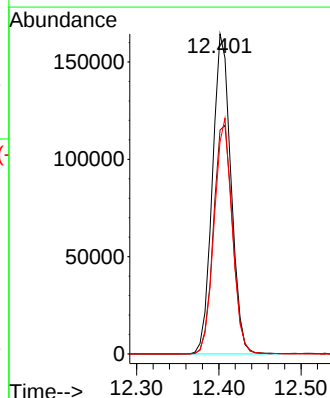
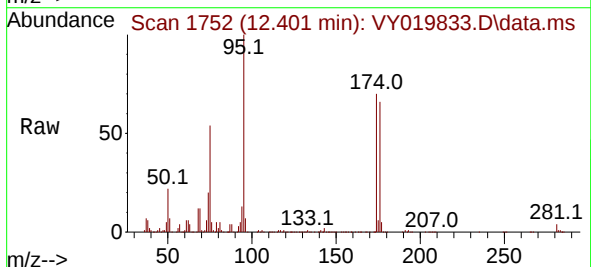
Tgt Ion: 95 Resp: 257681

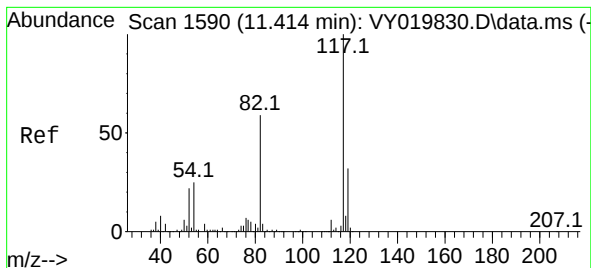
Ion Ratio Lower Upper

95 100

174 73.6 0.0 148.0

176 71.4 0.0 142.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

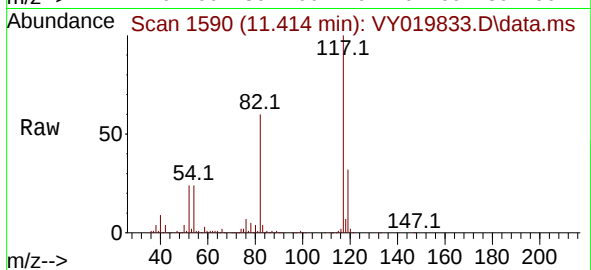
Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :



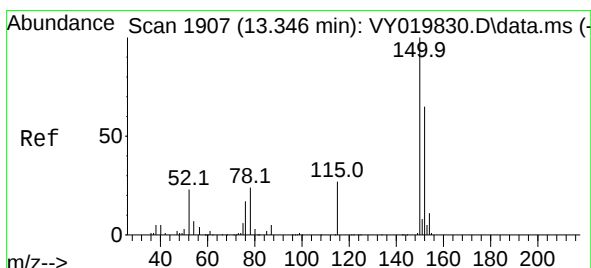
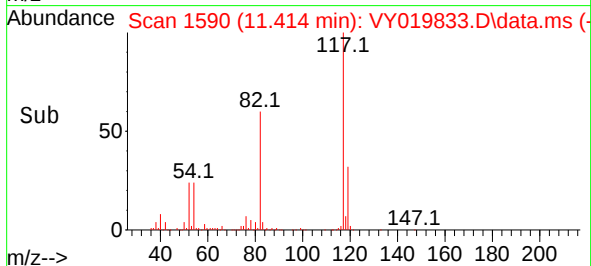
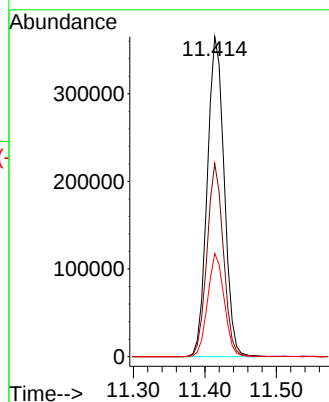
Tgt Ion:117 Resp: 600486

Ion Ratio Lower Upper

117 100

82 60.3 46.9 70.3

119 32.2 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: VY019833.D

Acq: 09 Oct 2024 12:35

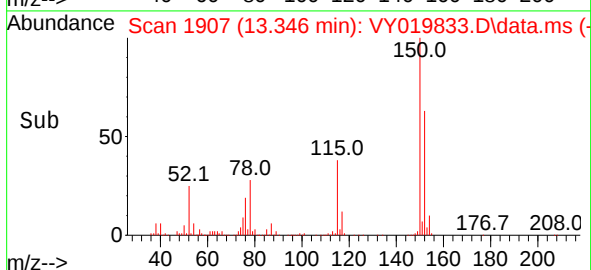
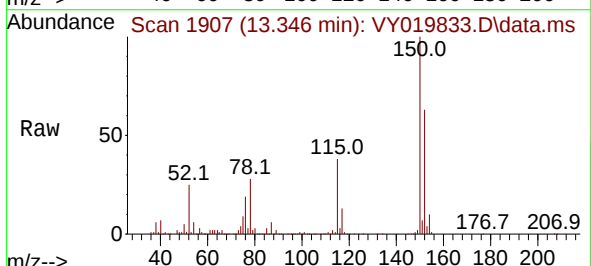
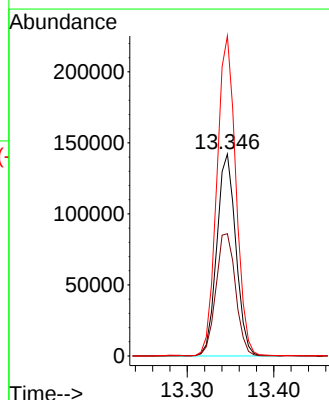
Tgt Ion:152 Resp: 216481

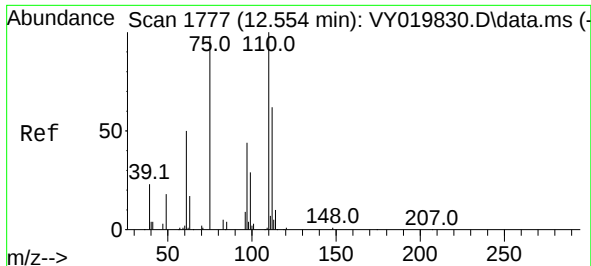
Ion Ratio Lower Upper

152 100

115 62.9 30.8 92.3

150 158.3 0.0 352.8

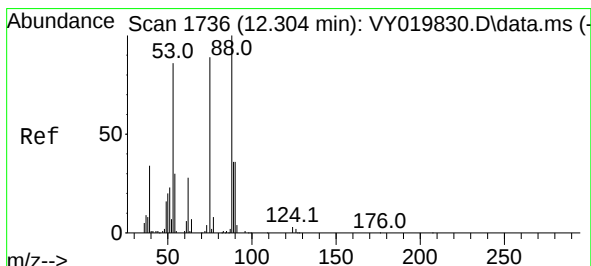
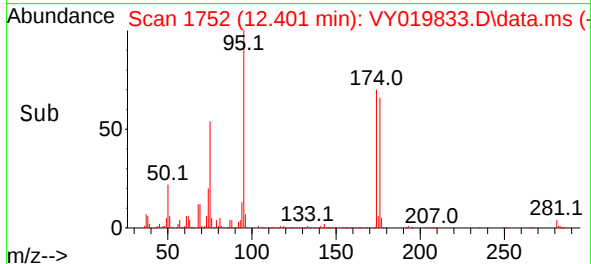
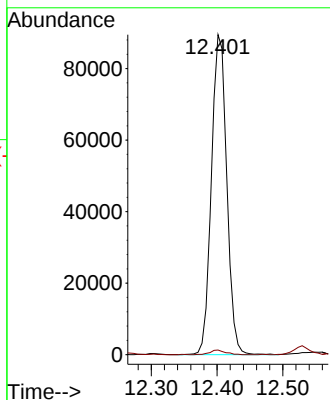
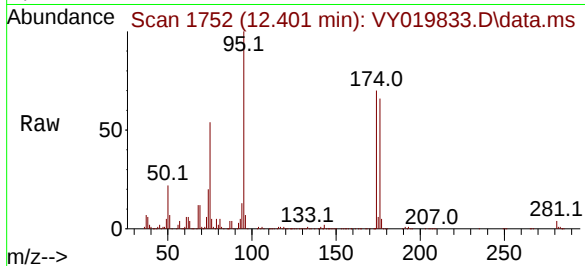




#76
1,2,3-Trichloropropane
Concen: 64.438 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

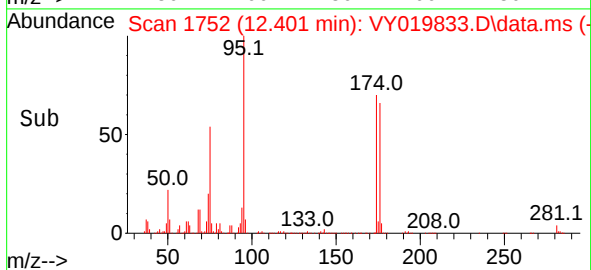
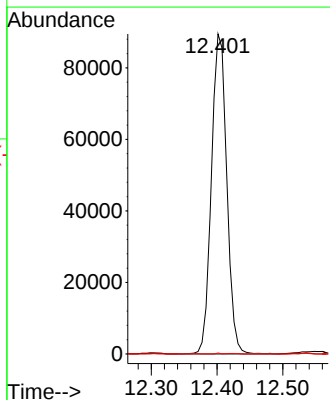
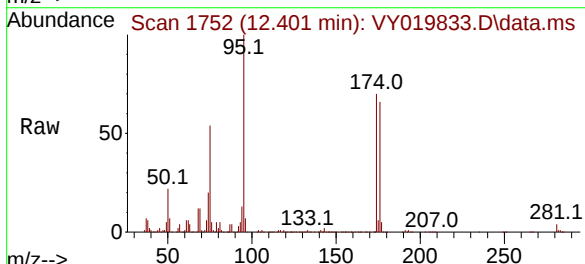
Instrument :
MSVOA_Y
ClientSampleId :

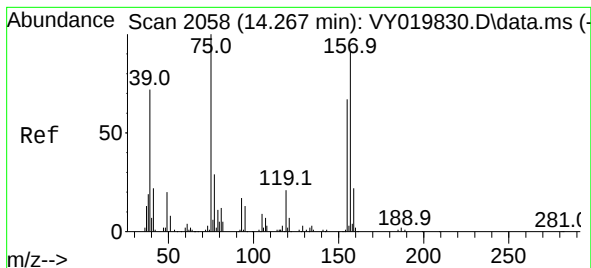
Tgt Ion: 75 Resp: 145254
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.251 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019833.D
Acq: 09 Oct 2024 12:35

Tgt Ion: 75 Resp: 145254
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 0.1 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.476 ug/l

RT: 14.267 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :

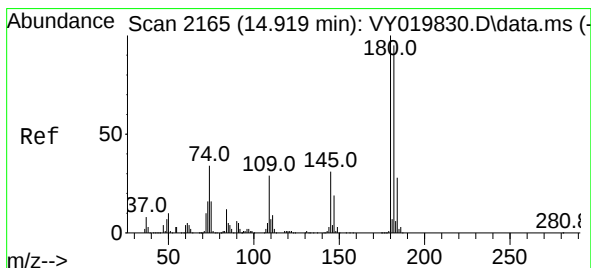
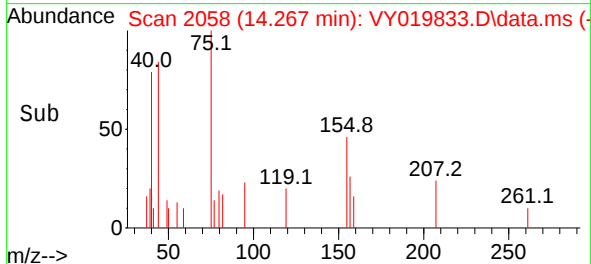
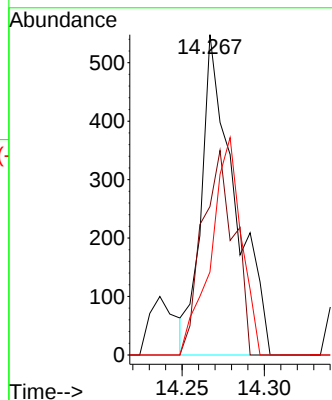
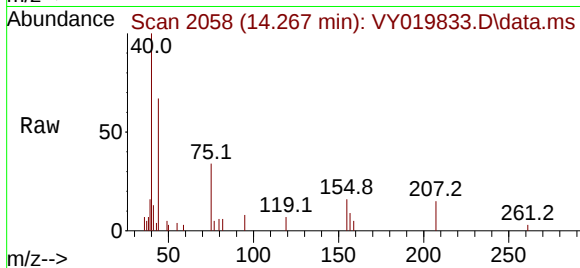
Tgt Ion: 75 Resp: 762

Ion Ratio Lower Upper

75 100

155 61.9 38.5 115.5

157 63.0 49.9 149.7



#93

1,2,4-Trichlorobenzene

Concen: 1.878 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.000 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

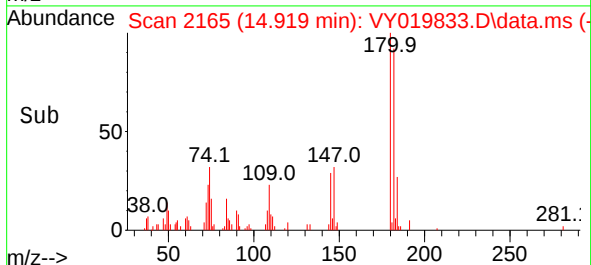
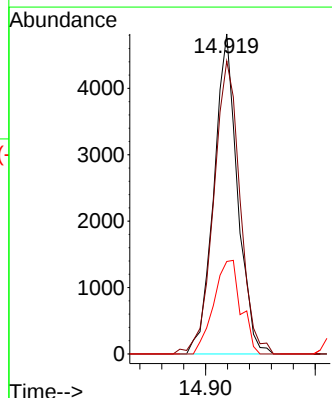
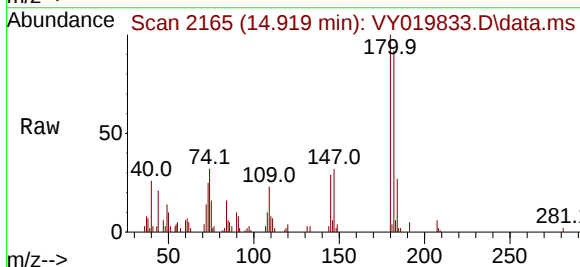
Tgt Ion:180 Resp: 7219

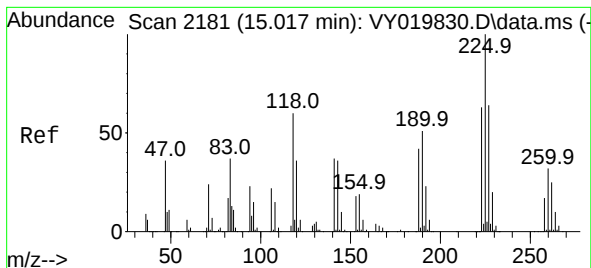
Ion Ratio Lower Upper

180 100

182 101.8 47.4 142.3

145 33.6 16.1 48.2





#94

Hexachlorobutadiene

Concen: 1.266 ug/l

RT: 15.023 min Scan# 2181

Delta R.T. 0.006 min

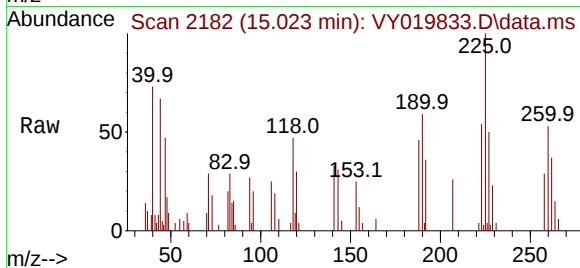
Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :



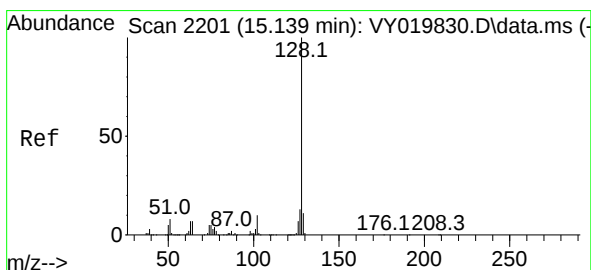
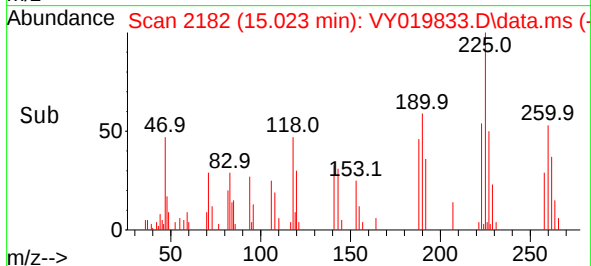
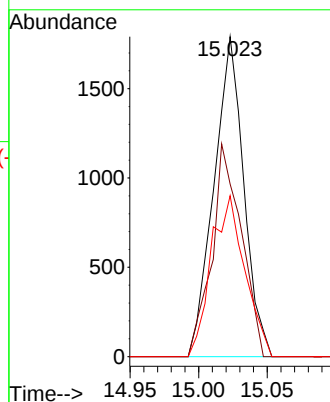
Tgt Ion:225 Resp: 2707

Ion Ratio Lower Upper

225 100

223 65.8 31.6 94.8

227 56.8 32.3 96.8



#95

Naphthalene

Concen: 2.357 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.006 min

Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

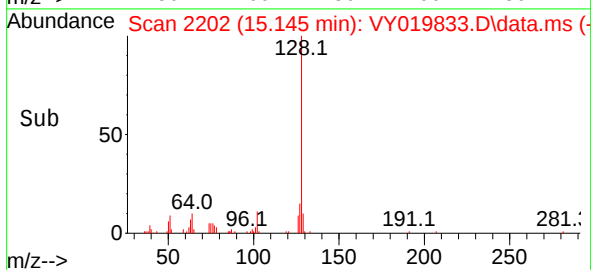
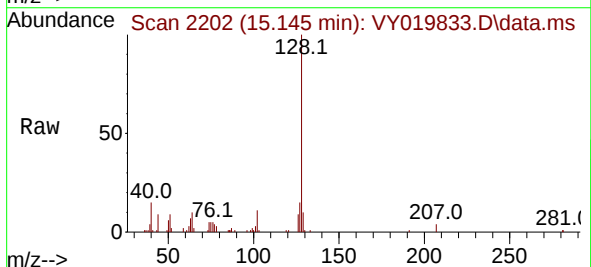
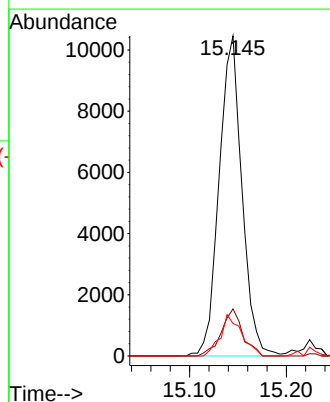
Tgt Ion:128 Resp: 17089

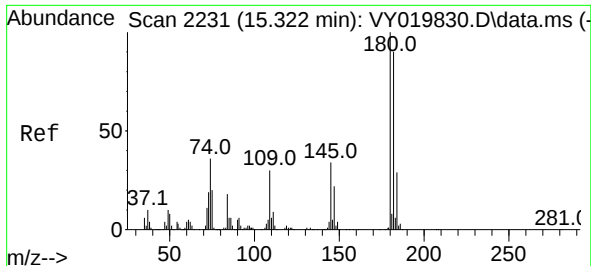
Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 12.1 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 2.331 ug/l

RT: 15.328 min Scan# 21

Delta R.T. 0.006 min

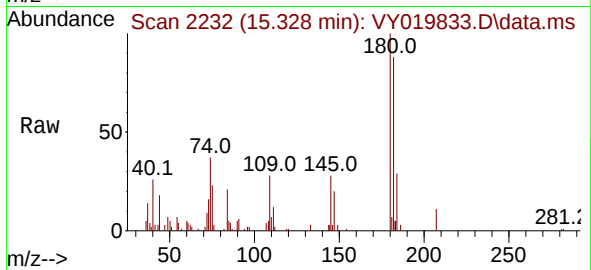
Lab File: VY019833.D

Acq: 09 Oct 2024 12:35

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:180 Resp: 7574

Ion Ratio Lower Upper

180 100

182 95.5 46.8 140.4

145 36.5 16.9 50.6

