

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121924\
 Data File : VY020649.D
 Acq On : 19 Dec 2024 12:52
 Operator : SY/MD
 Sample : P5312-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 00:53:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

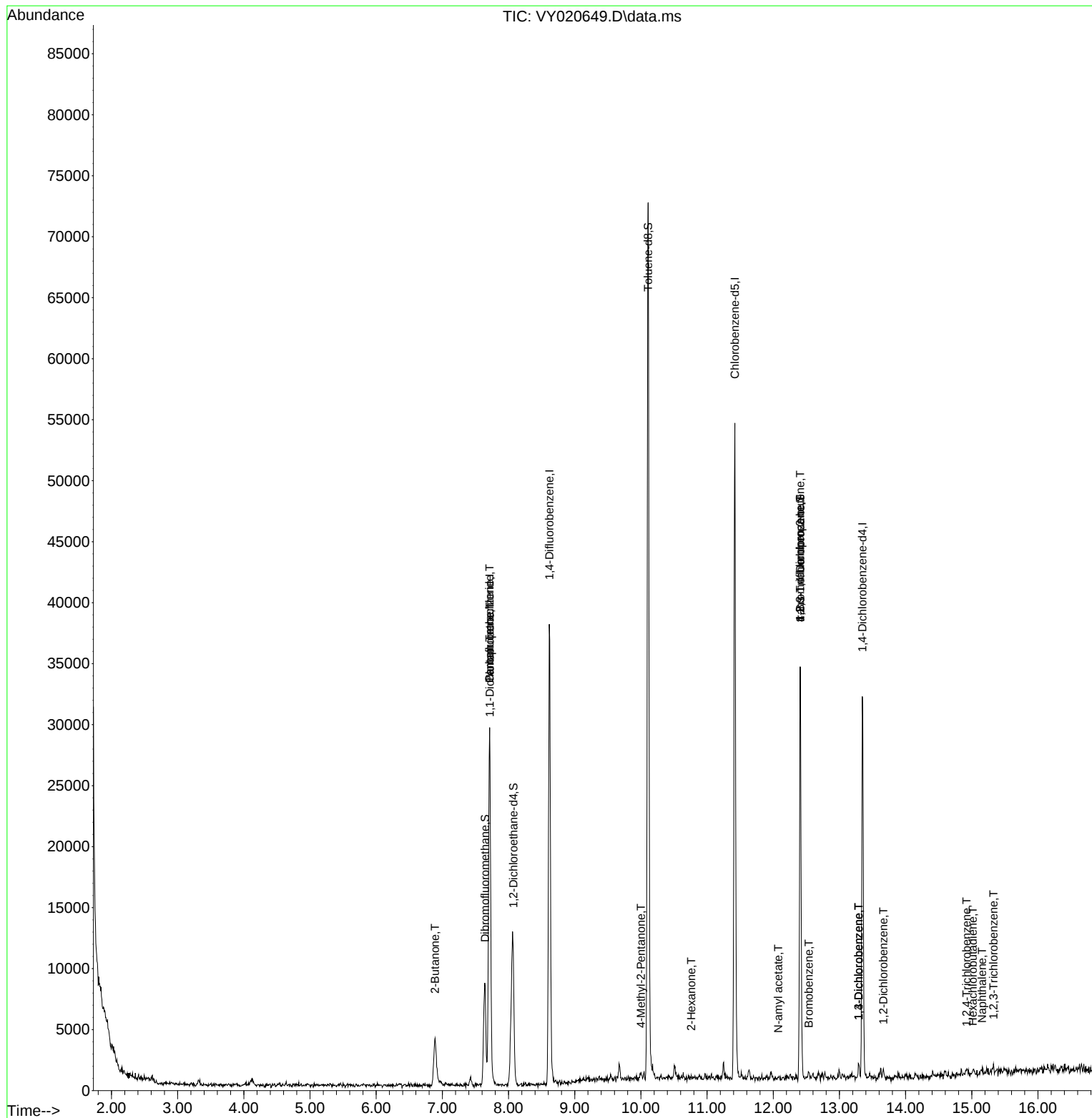
Internal Standards						
1) Pentafluorobenzene	7.713	168	23133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	33804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	29436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	8465	33.412	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	66.820%
35) Dibromofluoromethane	7.646	113	6439	27.027	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.060%
50) Toluene-d8	10.109	98	51043	61.211	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	122.420%
62) 4-Bromofluorobenzene	12.407	95	10369	31.788	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	63.580%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	171	Below Cal	#	43
25) 2-Butanone	6.890	43	112	1.190	ug/l #	49
30) Chloroform	7.433	83	373	Below Cal	#	61
36) 1,1-Dichloropropene	7.719	75	1681	3.869	ug/l #	52
38) Carbon Tetrachloride	7.713	117	2613	5.437	ug/l #	11
51) 4-Methyl-2-Pentanone	9.999	43	464	2.272	ug/l #	86
59) 2-Hexanone	10.761	43	151	1.152	ug/l #	24
74) N-amyl acetate	12.078	43	211	1.291	ug/l #	49
76) 1,2,3-Trichloropropane	12.407	75	5286	63.607	ug/l #	100
77) Bromobenzene	12.536	156	178	1.170	ug/l	69
81) trans-1,4-Dichloro-2-b...	12.407	75	5286	133.513	ug/l #	12
87) 1,3-Dichlorobenzene	13.291	146	377	1.256	ug/l	91
88) 1,4-Dichlorobenzene	13.291	146	377	1.268	ug/l	93
91) 1,2-Dichlorobenzene	13.663	146	382	1.469	ug/l	87
93) 1,2,4-Trichlorobenzene	14.919	180	341	2.167	ug/l #	67
94) Hexachlorobutadiene	15.017	225	189	1.838	ug/l #	62
95) Naphthalene	15.157	128	636	2.358	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.328	180	255	1.918	ug/l #	79

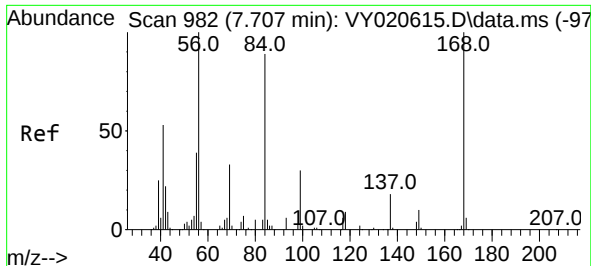
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

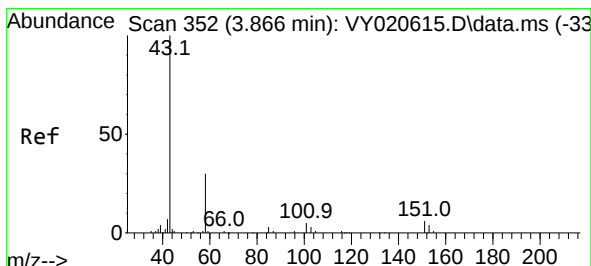
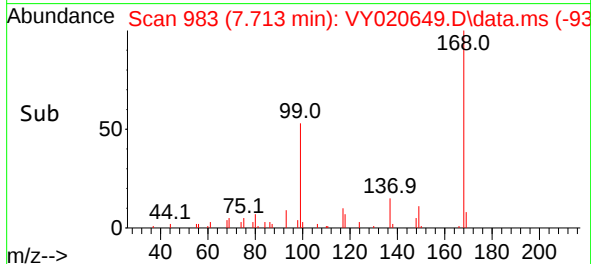
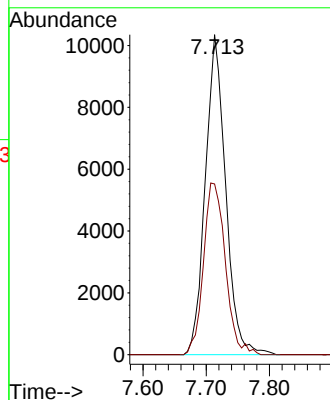
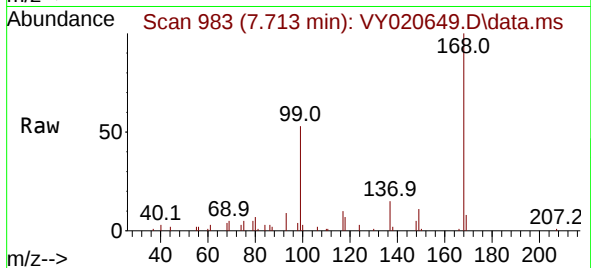




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

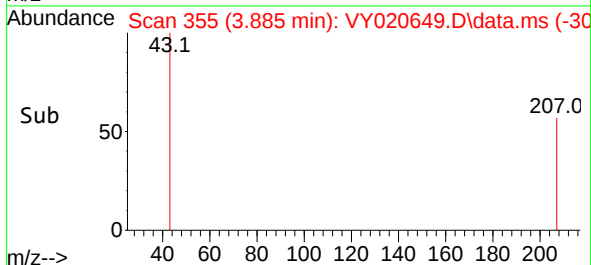
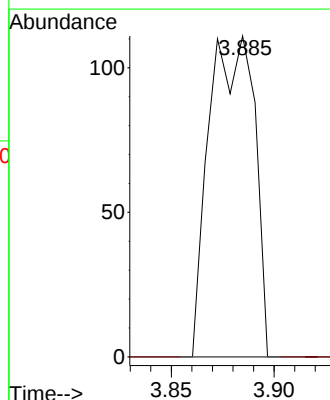
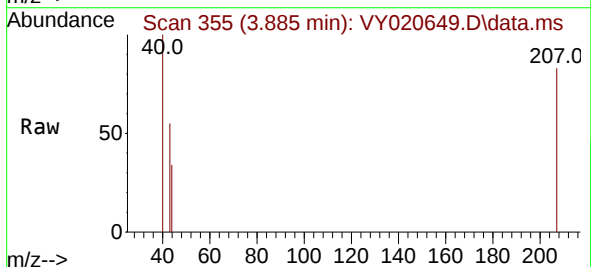
Instrument :
MSVOA_Y
ClientSampleId :

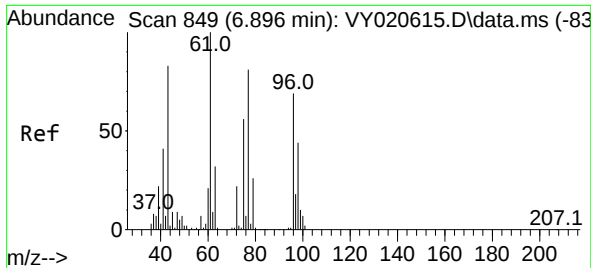
Tgt Ion:168 Resp: 23133
Ion Ratio Lower Upper
168 100
99 53.3 47.0 70.6



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.019 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion: 43 Resp: 171
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#

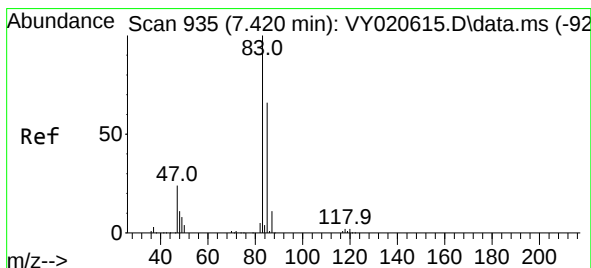
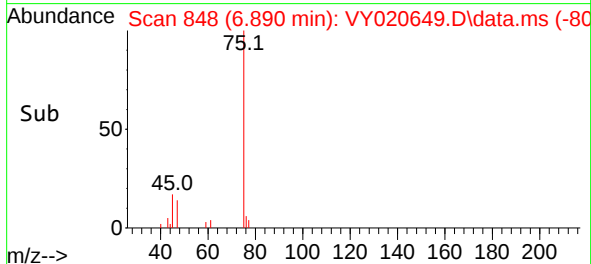
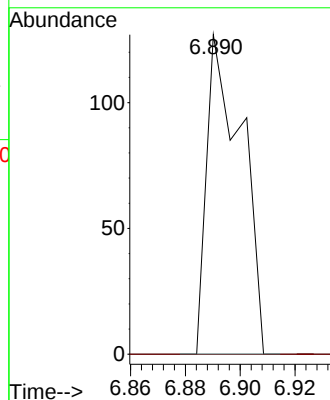
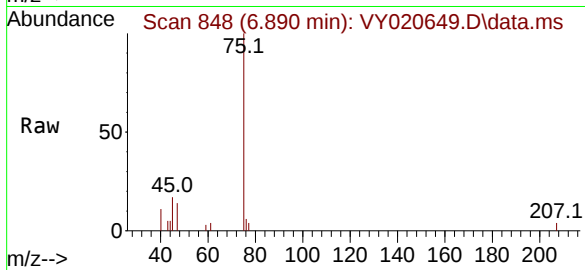




#25
2-Butanone
Concen: 1.190 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

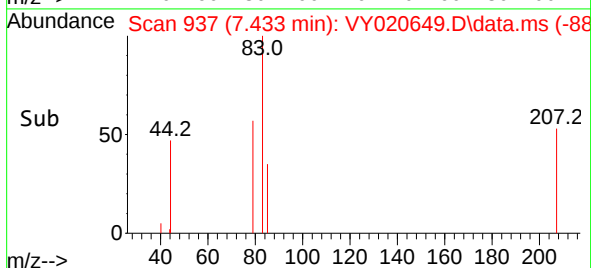
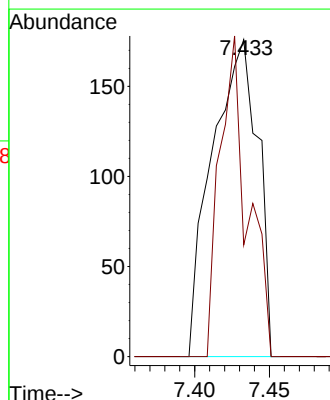
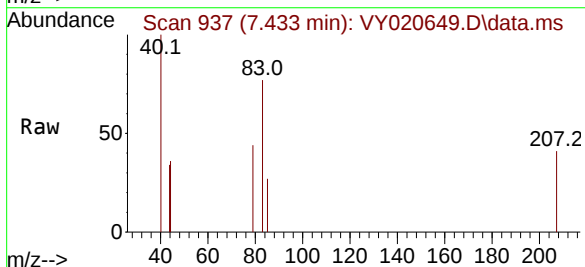
Instrument :
MSVOA_Y
ClientSampleId :

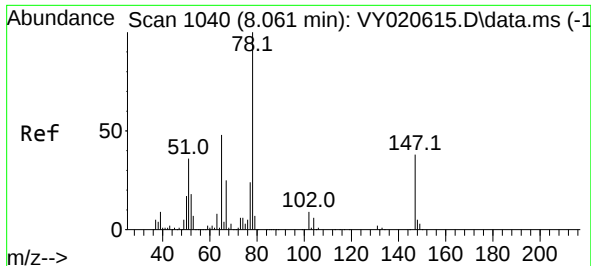
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#30
Chloroform
Concen: Below Cal
RT: 7.433 min Scan# 937
Delta R.T. 0.013 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion: 83 Resp: 373
Ion Ratio Lower Upper
83 100
85 35.2 52.7 79.1#





#33

1,2-Dichloroethane-d4

Concen: 33.412 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

Instrument :

MSVOA_Y

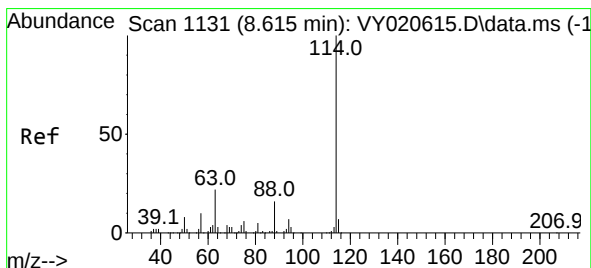
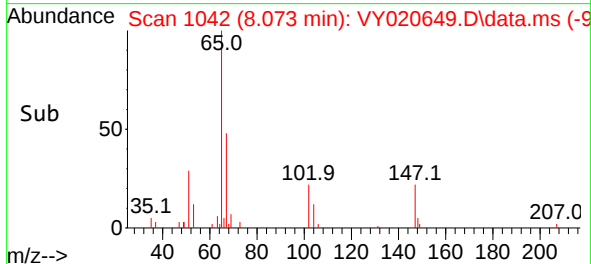
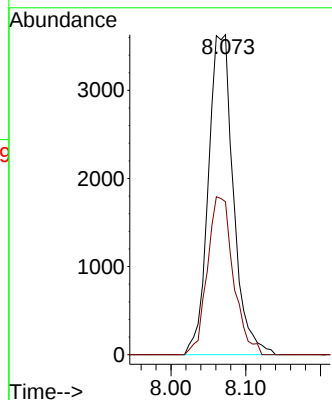
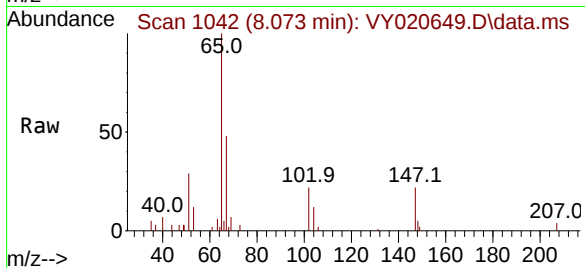
ClientSampleId :

Tgt Ion: 65 Resp: 8465

Ion Ratio Lower Upper

65 100

67 51.2 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

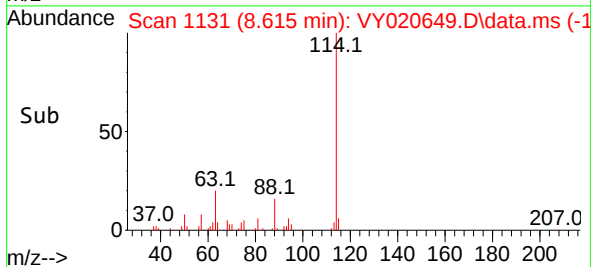
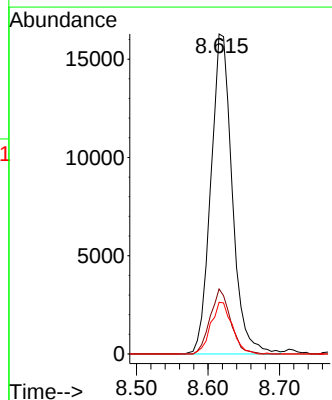
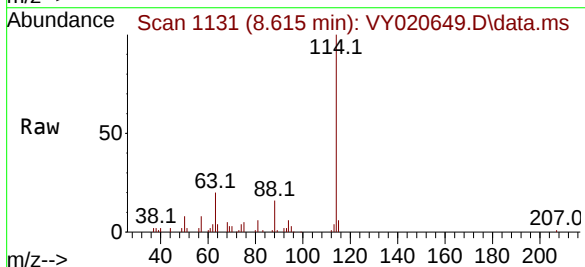
Tgt Ion: 114 Resp: 33804

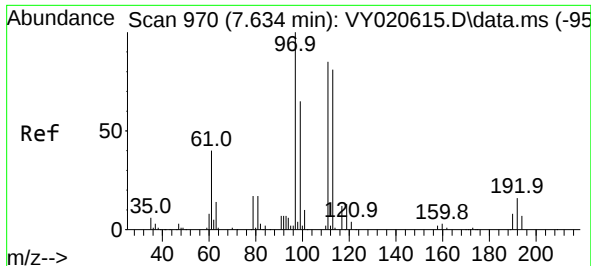
Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.0

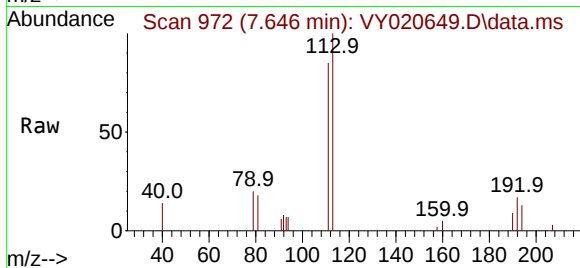
88 16.1 0.0 32.8



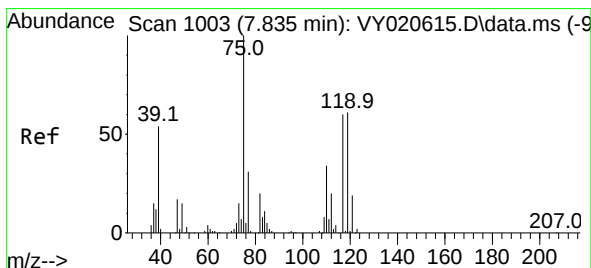
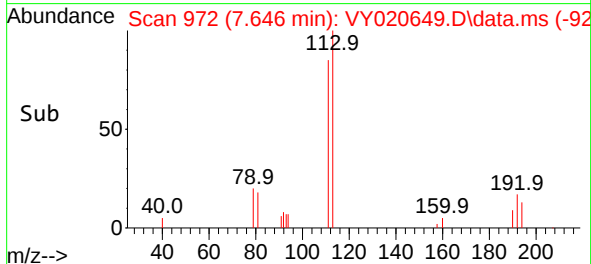
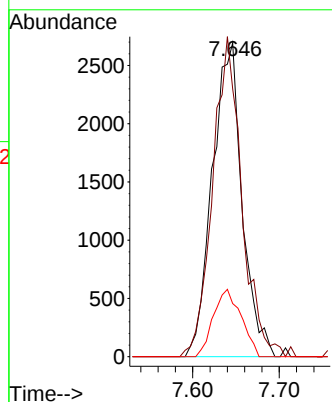


#35
Dibromofluoromethane
Concen: 27.027 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Instrument :
MSVOA_Y
ClientSampleId :

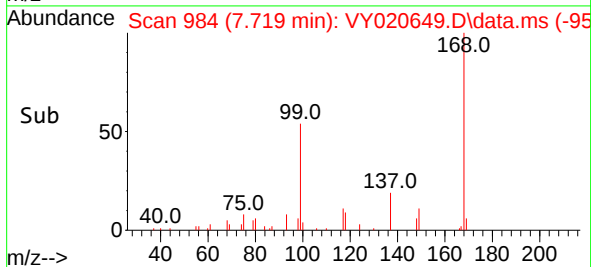
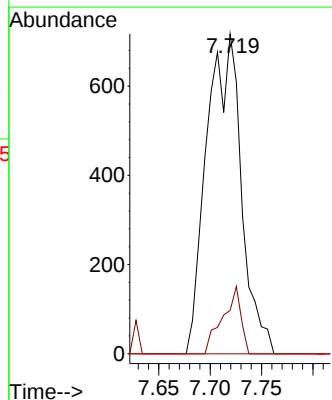
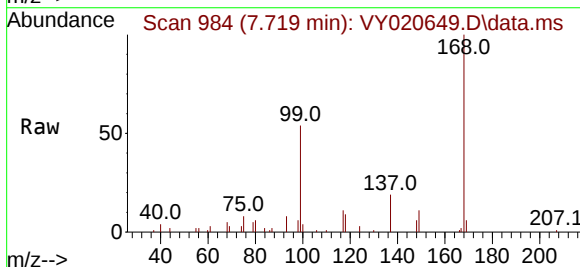


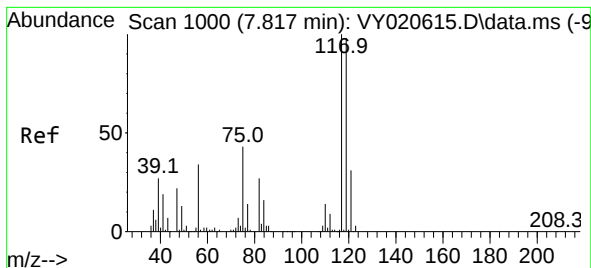
Tgt Ion:113 Resp: 6439
Ion Ratio Lower Upper
113 100
111 100.0 82.9 124.3
192 20.0 15.7 23.5



#36
1,1-Dichloropropene
Concen: 3.869 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.116 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion: 75 Resp: 1681
Ion Ratio Lower Upper
75 100
110 11.1 16.8 50.4#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.437 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.103 min

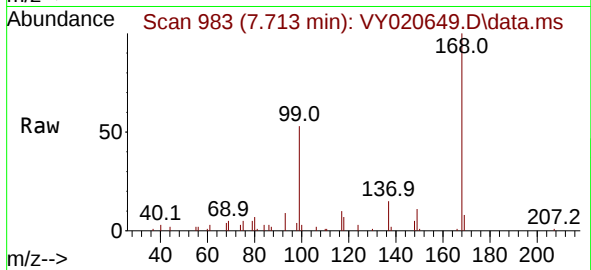
Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

Instrument :

MSVOA_Y

ClientSampleId :



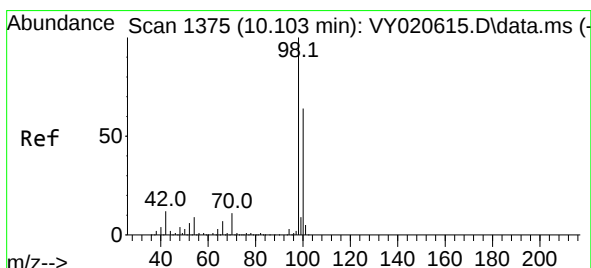
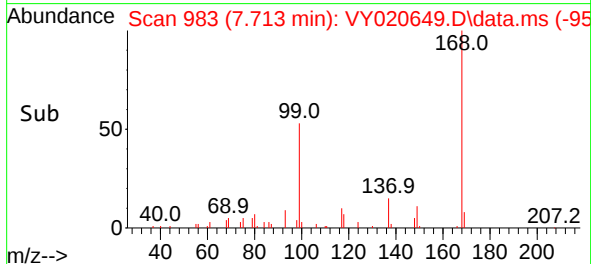
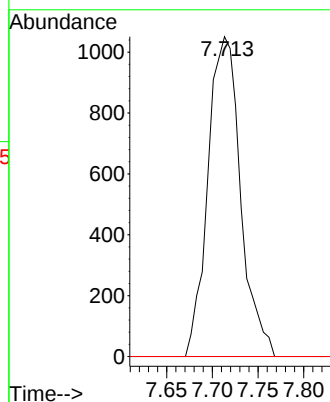
Tgt Ion:117 Resp: 2613

Ion Ratio Lower Upper

117 100

119 0.0 78.3 117.5#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 61.211 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY020649.D

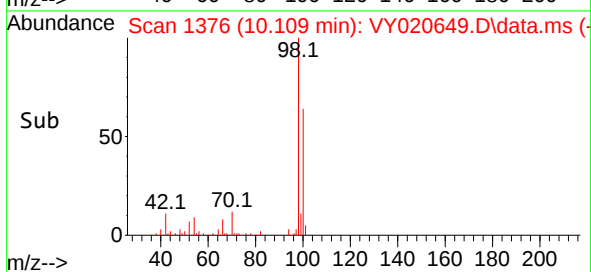
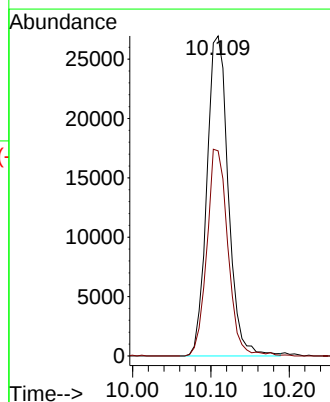
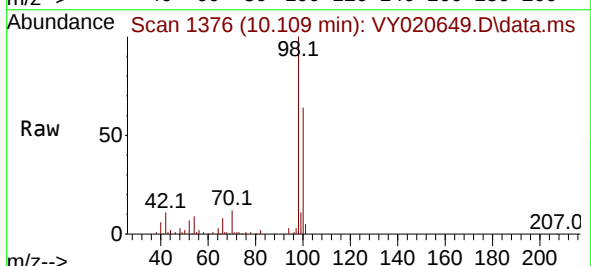
Acq: 19 Dec 2024 12:52

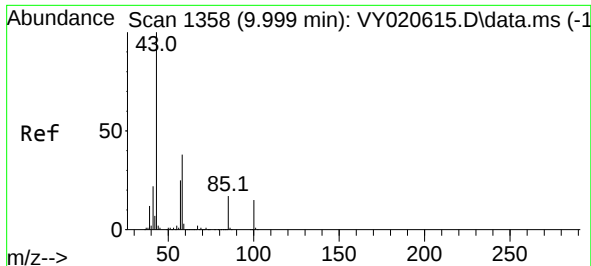
Tgt Ion: 98 Resp: 51043

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1

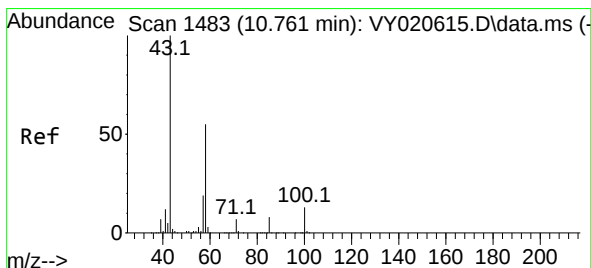
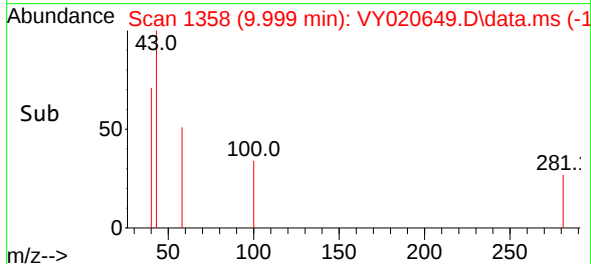
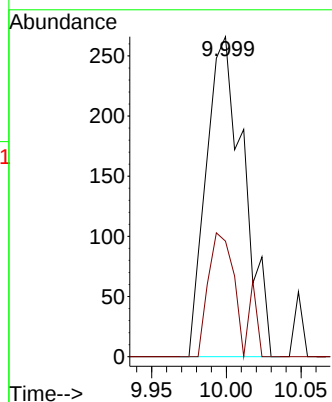
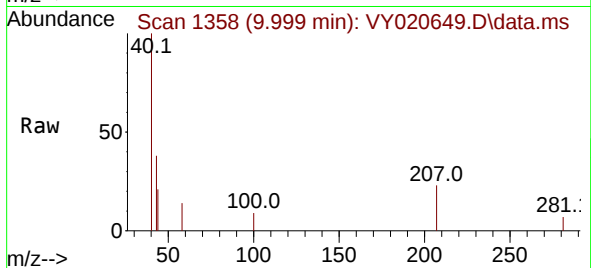




#51
4-Methyl-2-Pentanone
Concen: 2.272 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

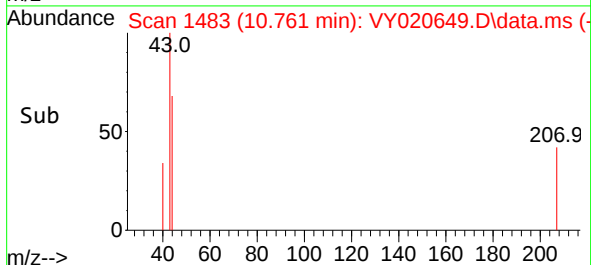
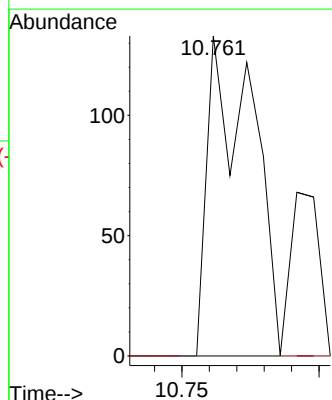
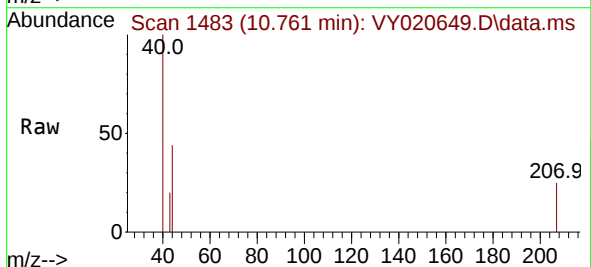
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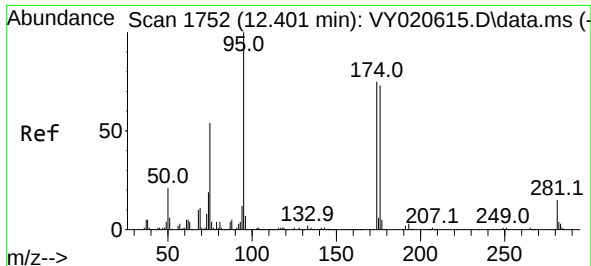
Tgt Ion: 43 Resp: 464
Ion Ratio Lower Upper
43 100
58 30.6 31.4 47.2#



#59
2-Hexanone
Concen: 1.152 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.6#

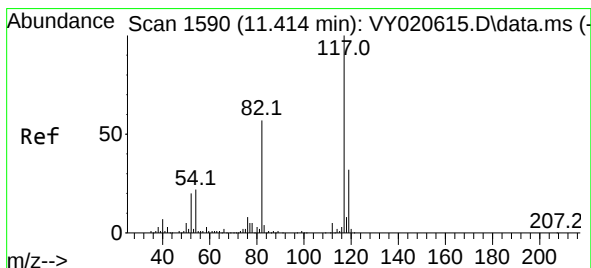
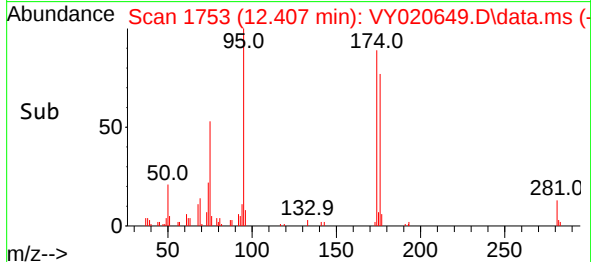
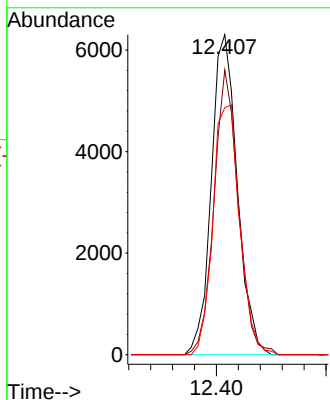
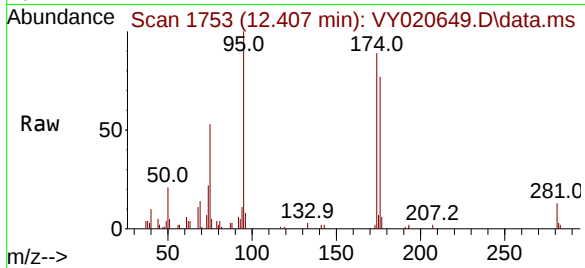




#62
4-Bromofluorobenzene
Concen: 31.788 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

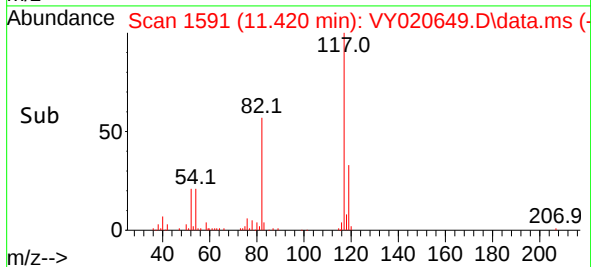
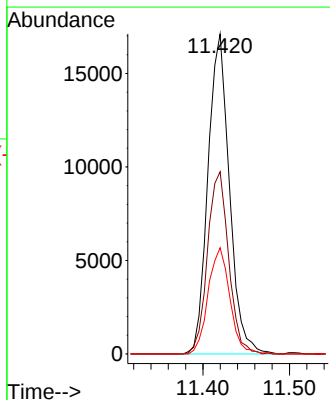
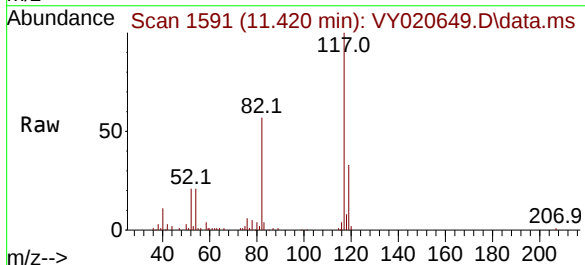
Instrument :
MSVOA_Y
ClientSampleId :

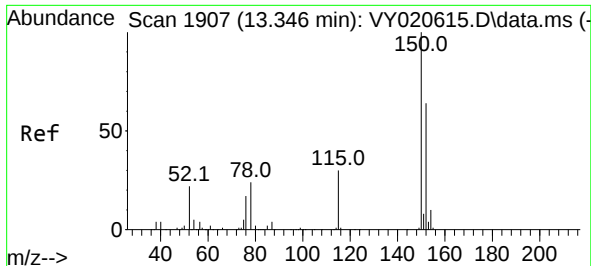
Tgt Ion:	95	Resp:	10369
Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	161.8
176	80.8	0.0	156.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

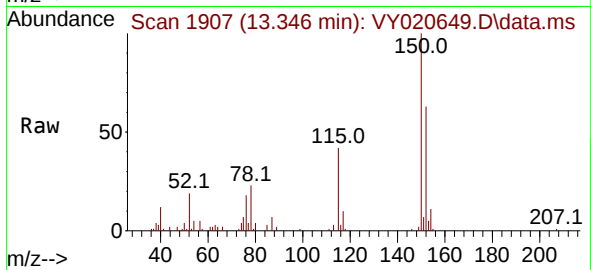
Tgt Ion:	117	Resp:	29436
Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.8	68.6
119	33.2	25.3	37.9



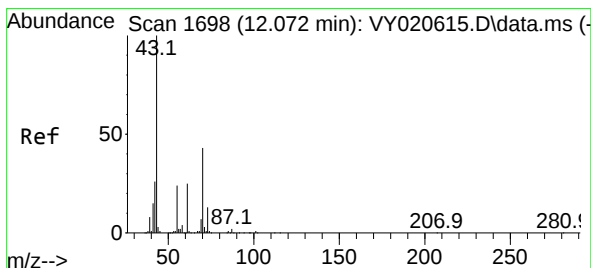
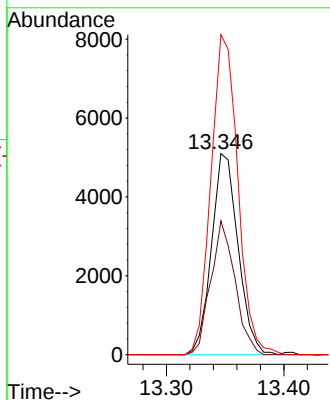
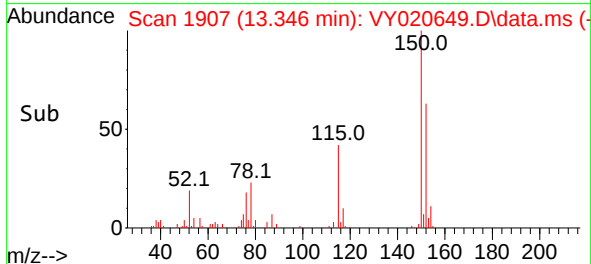


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

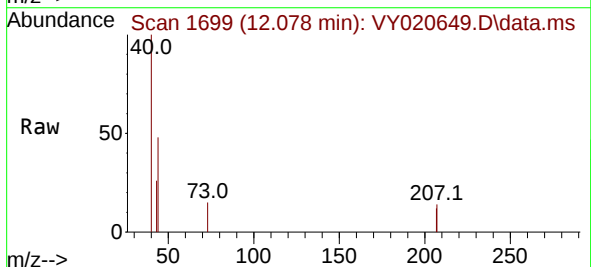
Instrument :
MSVOA_Y
ClientSampleId :



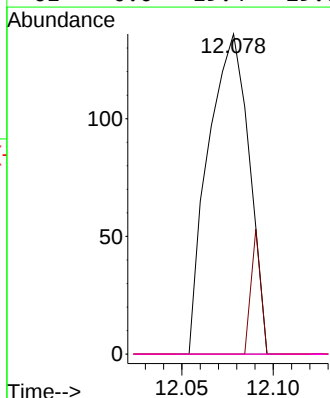
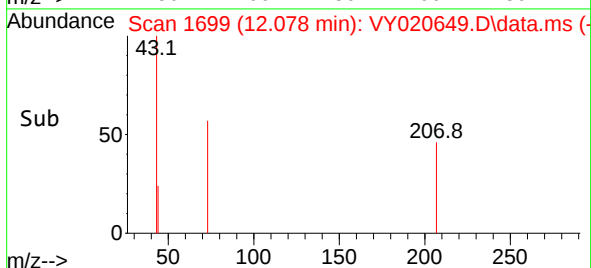
Tgt Ion:152 Resp: 8000
Ion Ratio Lower Upper
152 100
115 61.0 30.2 90.6
150 161.3 0.0 355.4

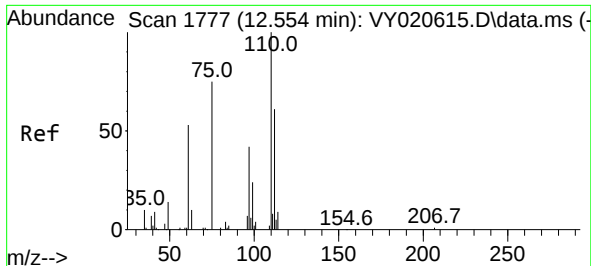


#74
N-ethyl acetate
Concen: 1.291 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52



Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
70 9.0 34.2 51.2#
55 0.0 19.6 29.4#
61 0.0 19.4 29.0#

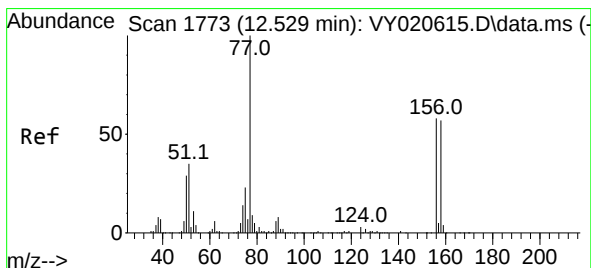
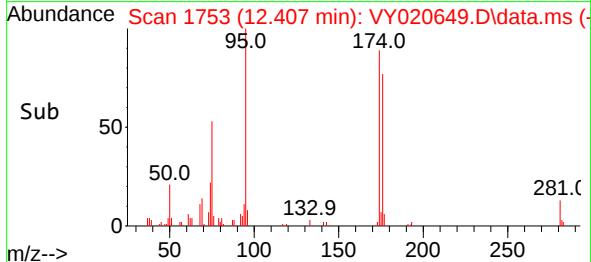
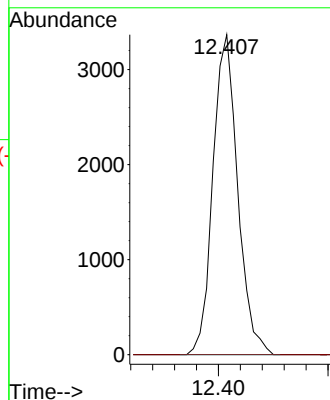
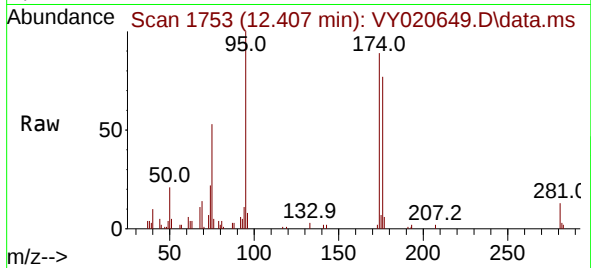




#76
1,2,3-Trichloropropane
Concen: 63.607 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

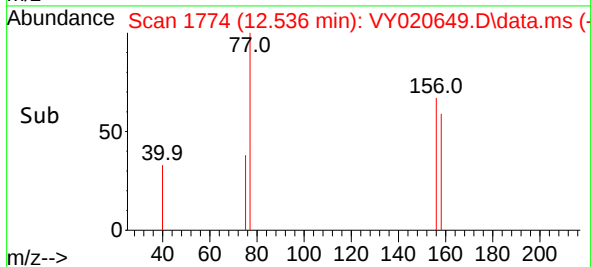
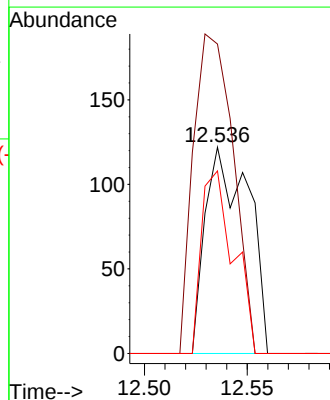
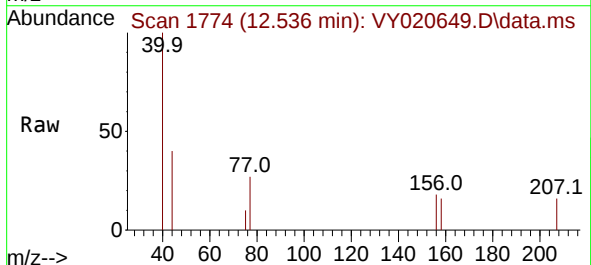
Instrument :
MSVOA_Y
ClientSampleId :

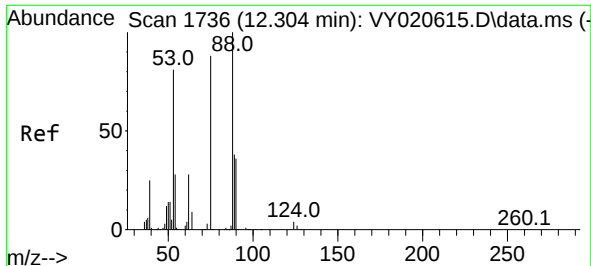
Tgt Ion: 75 Resp: 5286
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 1.170 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion:156 Resp: 178
Ion Ratio Lower Upper
156 100
77 143.3 94.2 282.4
158 65.7 48.9 146.6

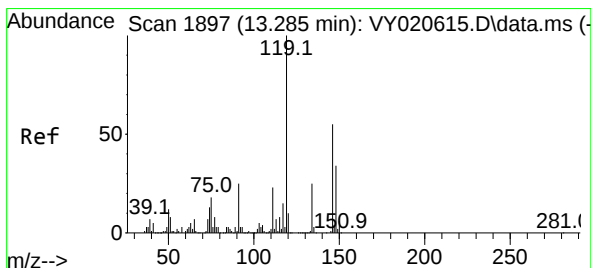
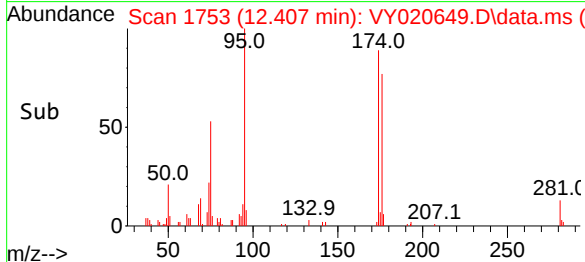
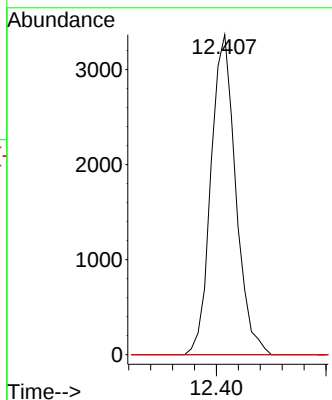
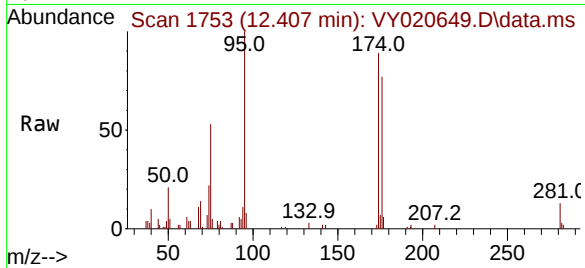




#81
trans-1,4-Dichloro-2-butene
Concen: 133.513 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

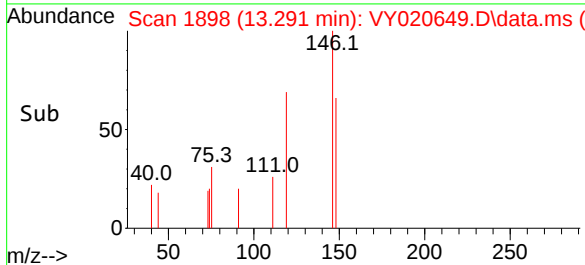
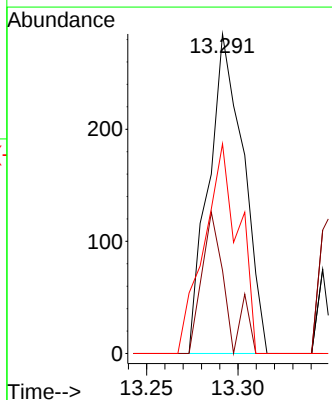
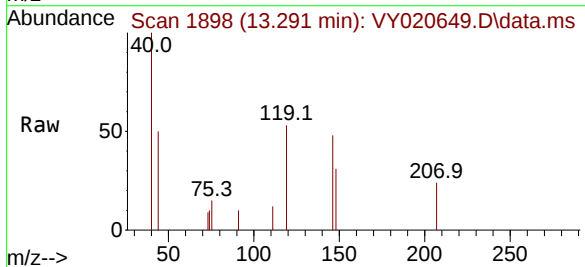
Instrument :
MSVOA_Y
ClientSampleId :

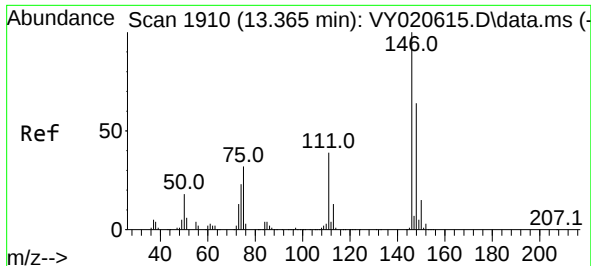
Tgt Ion: 75 Resp: 5286
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 37.0 55.4#



#87
1,3-Dichlorobenzene
Concen: 1.256 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion:146 Resp: 377
Ion Ratio Lower Upper
146 100
111 30.5 20.6 61.8
148 65.3 31.4 94.0

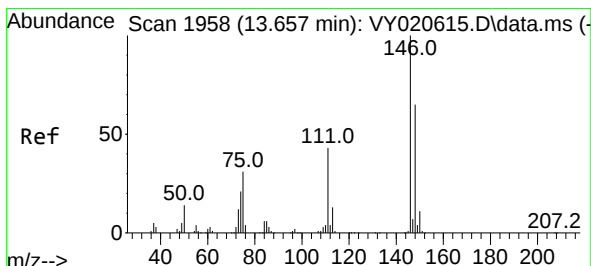
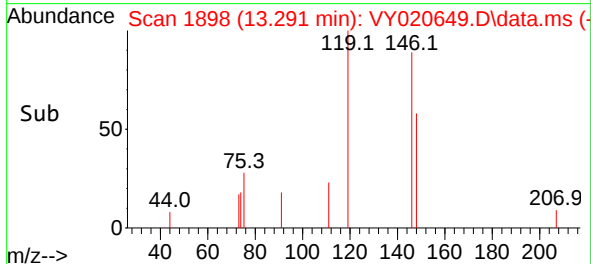
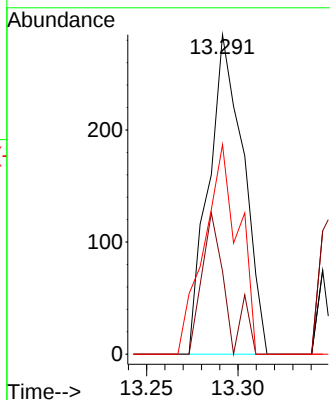
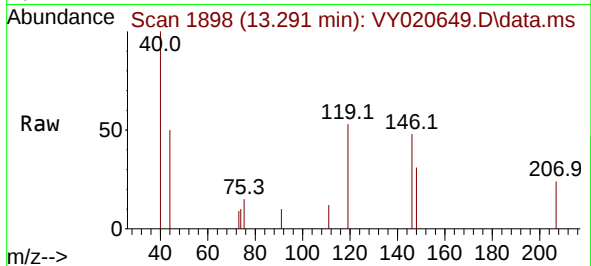




#88
1,4-Dichlorobenzene
Concen: 1.268 ug/l
RT: 13.291 min Scan# 11
Delta R.T. -0.073 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

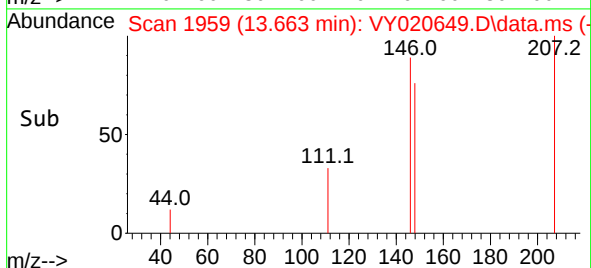
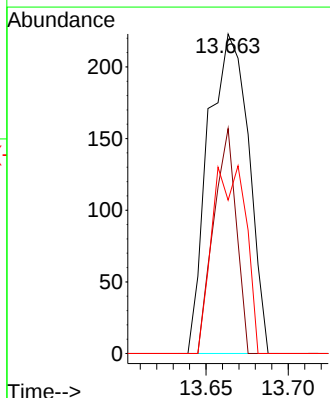
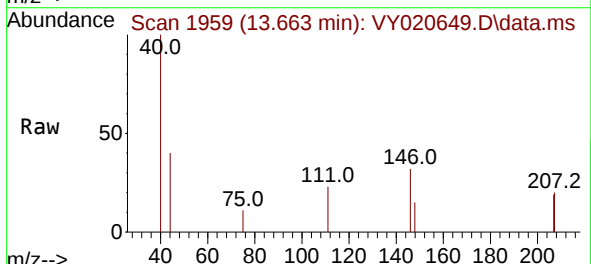
Instrument :
MSVOA_Y
ClientSampleId :

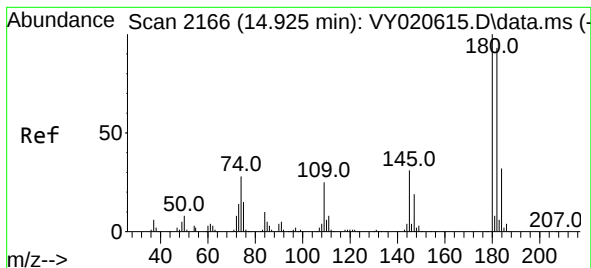
Tgt Ion:146 Resp: 377
Ion Ratio Lower Upper
146 100
111 30.5 19.6 58.7
148 65.3 31.9 95.5



#91
1,2-Dichlorobenzene
Concen: 1.469 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY020649.D
Acq: 19 Dec 2024 12:52

Tgt Ion:146 Resp: 382
Ion Ratio Lower Upper
146 100
111 39.5 21.3 63.7
148 49.0 32.0 96.0





#93

1,2,4-Trichlorobenzene

Concen: 2.167 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. -0.006 min

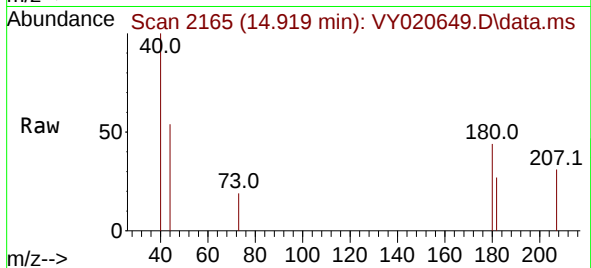
Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

Instrument :

MSVOA_Y

ClientSampleId :



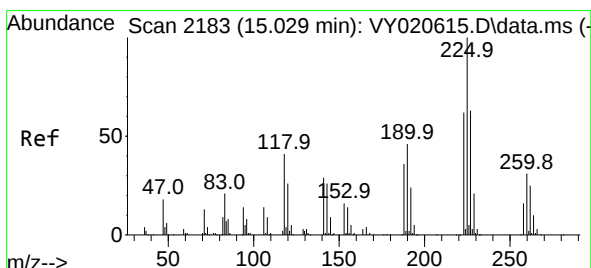
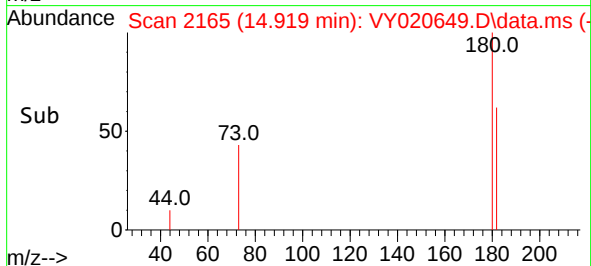
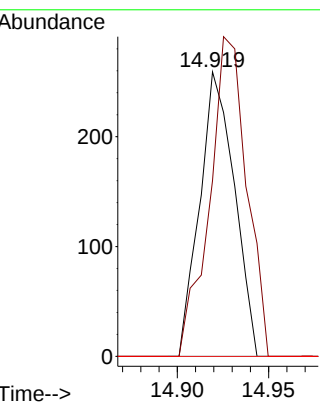
Tgt Ion:180 Resp: 341

Ion Ratio Lower Upper

180 100

182 120.8 47.9 143.6

145 0.0 15.6 46.7#



#94

Hexachlorobutadiene

Concen: 1.838 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.012 min

Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

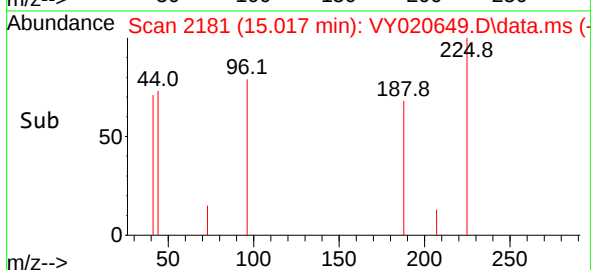
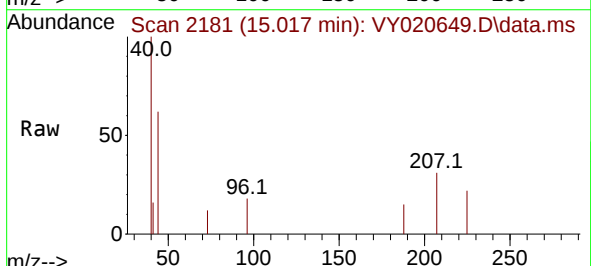
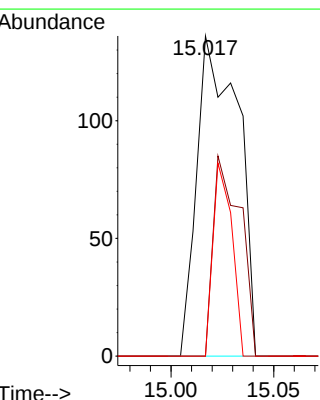
Tgt Ion:225 Resp: 189

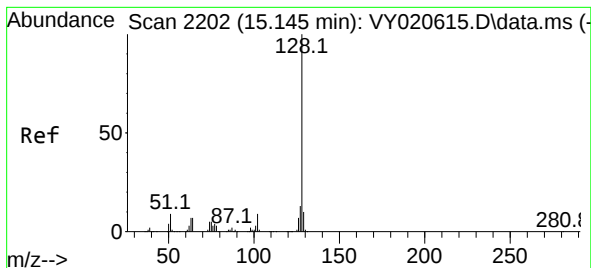
Ion Ratio Lower Upper

225 100

223 41.3 31.8 95.3

227 27.5 32.2 96.6#





#95

Naphthalene

Concen: 2.358 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.012 min

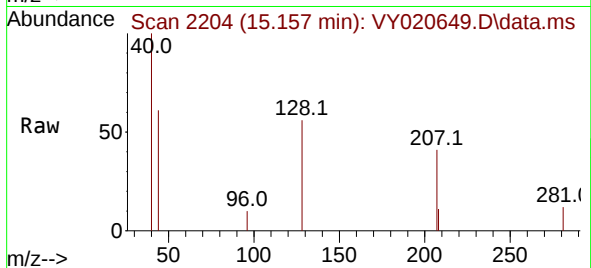
Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

Instrument :

MSVOA_Y

ClientSampleId :



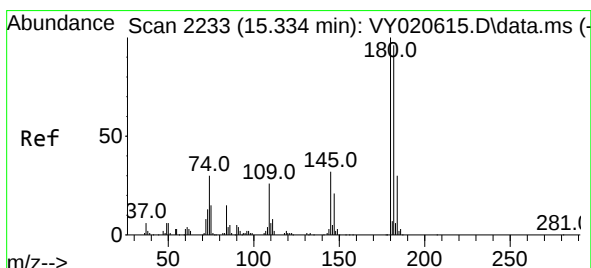
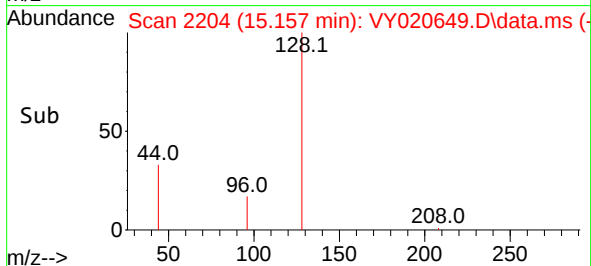
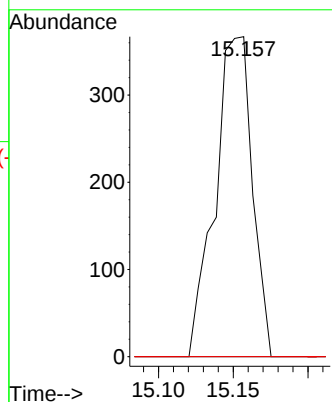
Tgt Ion:128 Resp: 636

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 1.918 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.006 min

Lab File: VY020649.D

Acq: 19 Dec 2024 12:52

Tgt Ion:180 Resp: 255

Ion Ratio Lower Upper

180 100

182 102.7 47.3 141.9

145 0.0 16.0 48.0#

