

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101124\
 Data File : VY019874.D
 Acq On : 11 Oct 2024 16:11
 Operator : SY/MD
 Sample : P4385-09
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 14 01:49:01 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	253962	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	518599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	474536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	175004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	177682	56.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.640%
35) Dibromofluoromethane	7.634	113	170890	49.936	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.880%
50) Toluene-d8	10.109	98	637807	50.469	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.401	95	202049	44.247	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.500%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.878	59	294	1.004	ug/l	# 88
20) Methylene Chloride	4.610	84	10489	2.725	ug/l	# 78
31) Cyclohexane	7.701	56	6799	1.301	ug/l	# 42
36) 1,1-Dichloropropene	7.713	75	24883	5.047	ug/l	# 48
38) Carbon Tetrachloride	7.713	117	28889	5.466	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.103	43	3824	1.430	ug/l	# 1
76) 1,2,3-Trichloropropane	12.401	75	116098	33.864	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	116098	136.690	ug/l	# 16

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

Quant Time: Oct 14 01:49:01 2024
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Response via : Initial Calibration

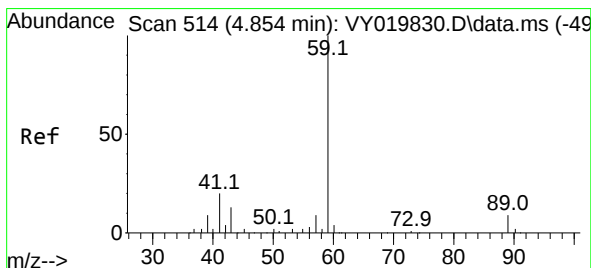
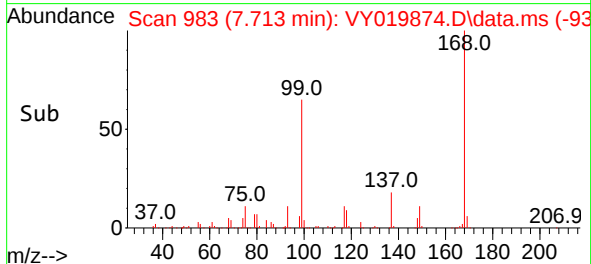
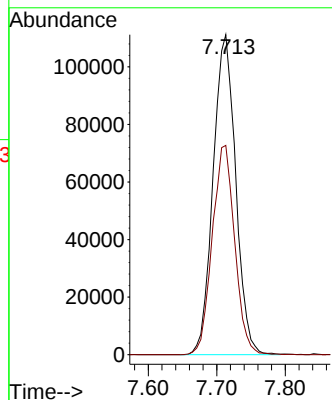
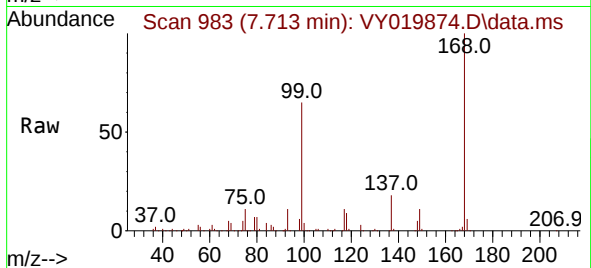




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

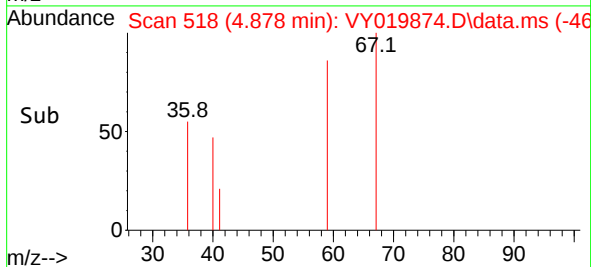
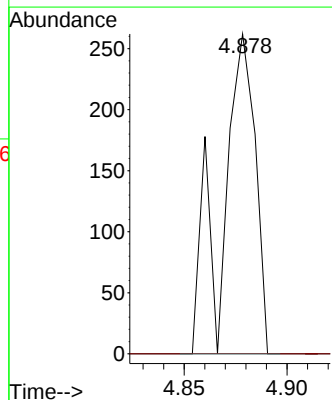
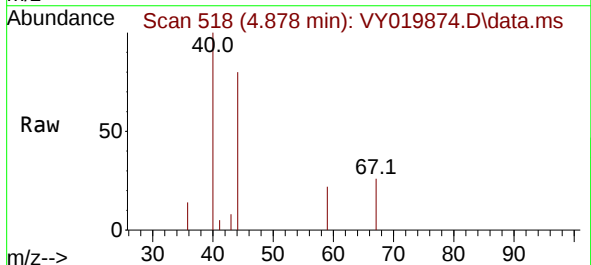
Instrument :
MSVOA_Y
ClientSampleId :

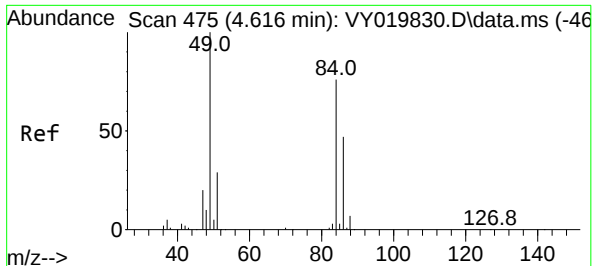
Tgt Ion:168 Resp: 253962
Ion Ratio Lower Upper
168 100
99 65.4 39.1 58.7#



#11
Tert butyl alcohol
Concen: 1.004 ug/l
RT: 4.878 min Scan# 518
Delta R.T. 0.019 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

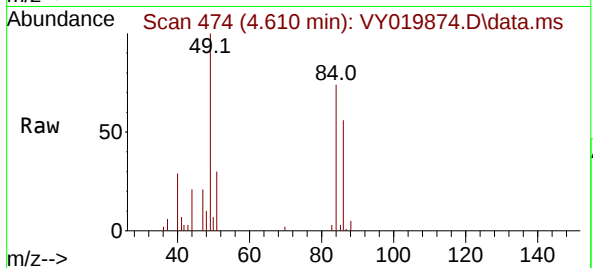
Tgt Ion: 59 Resp: 294
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



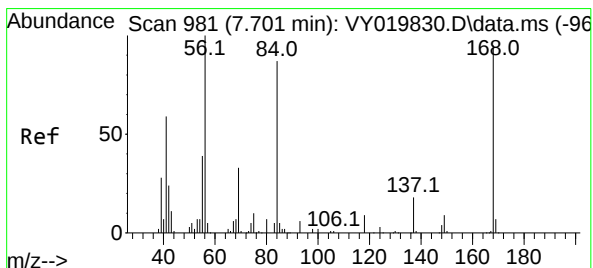
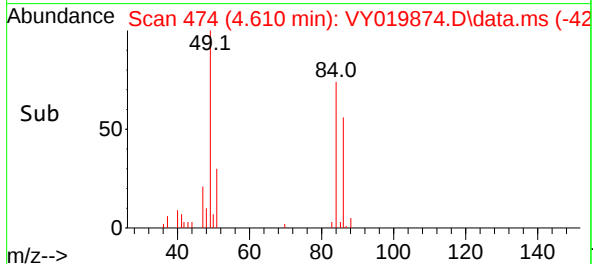
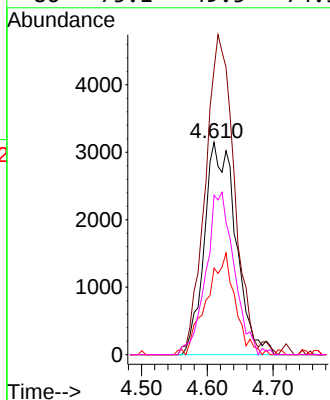


#20
Methylene Chloride
Concen: 2.725 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

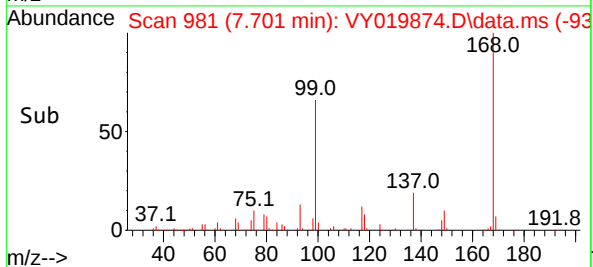
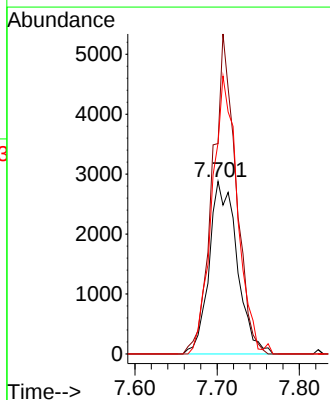
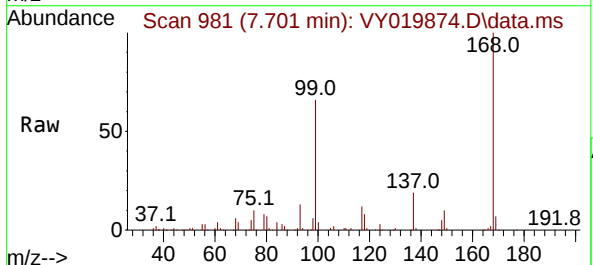


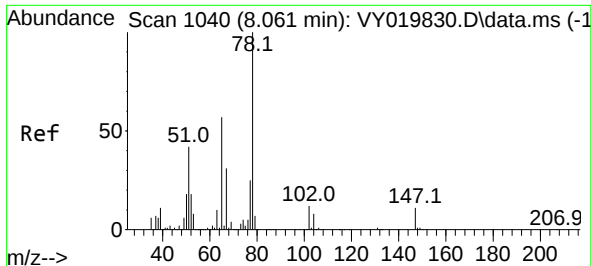
Tgt Ion:	84	Resp:	10489
Ion	Ratio	Lower	Upper
84	100		
49	134.4	84.4	126.6#
51	38.7	26.0	39.0
86	75.1	49.5	74.3#



#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Tgt Ion:	56	Resp:	6799
Ion	Ratio	Lower	Upper
56	100		
69	122.0	28.7	43.1#
84	122.4	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.821 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

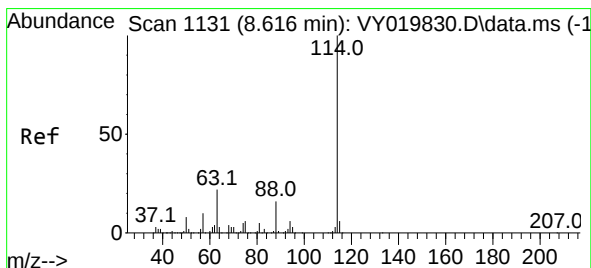
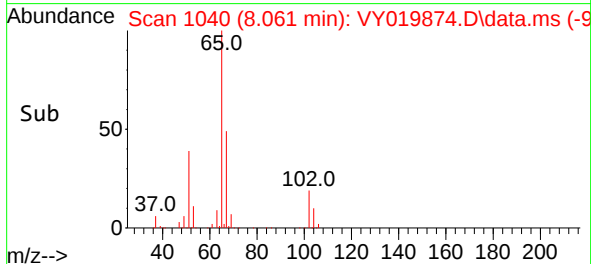
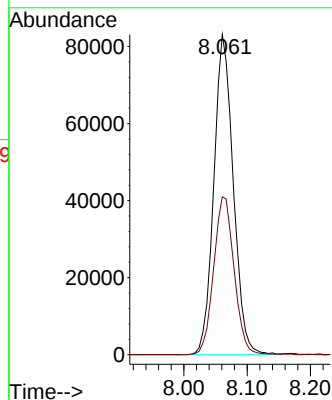
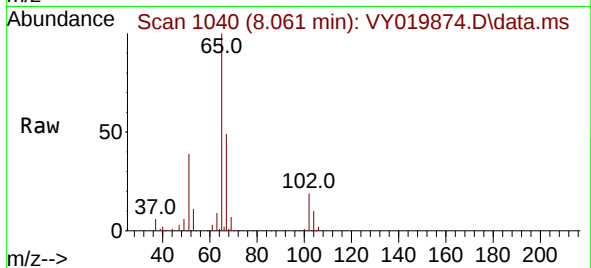
ClientSampleId :

Tgt Ion: 65 Resp: 177682

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

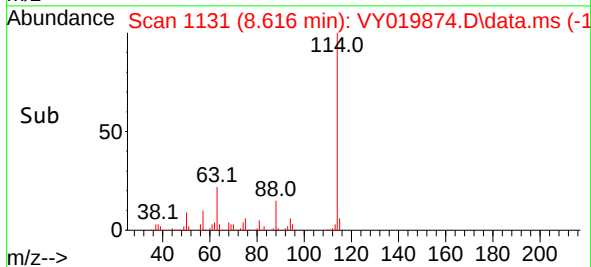
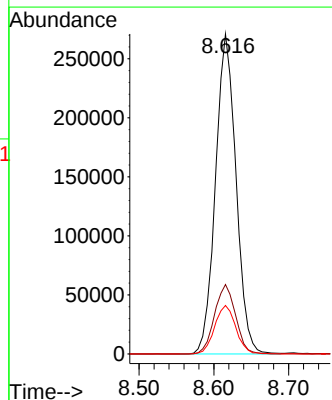
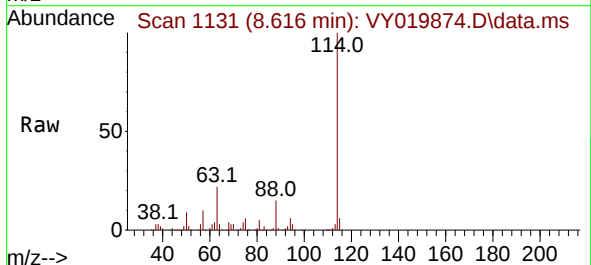
Tgt Ion: 114 Resp: 518599

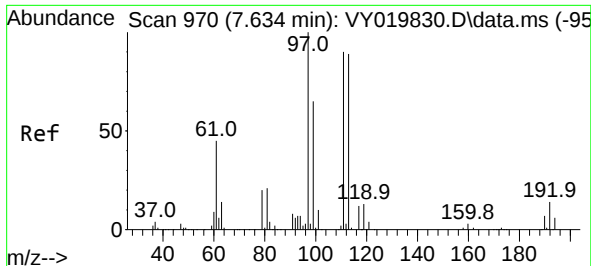
Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 15.2 0.0 27.2





#35

Dibromofluoromethane

Concen: 49.936 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

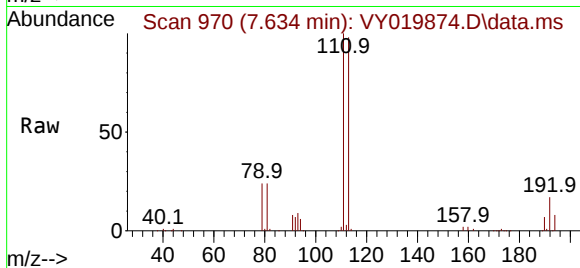
Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :



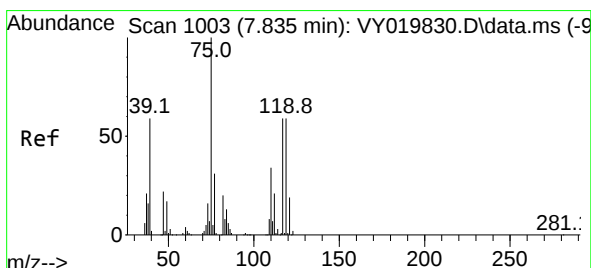
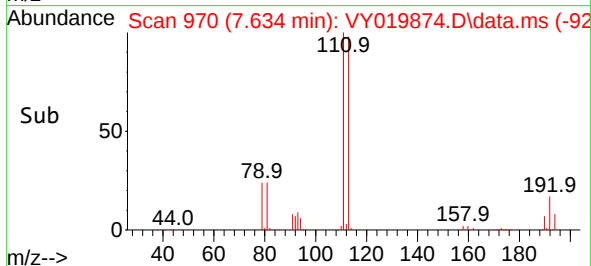
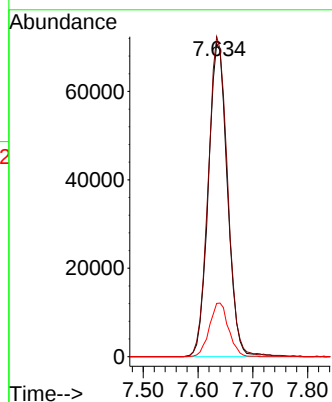
Tgt Ion:113 Resp: 170890

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

192 17.2 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.047 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

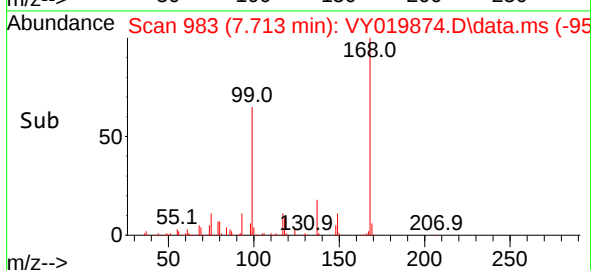
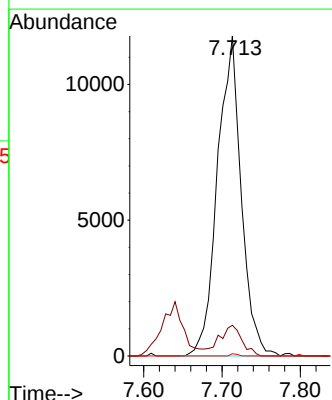
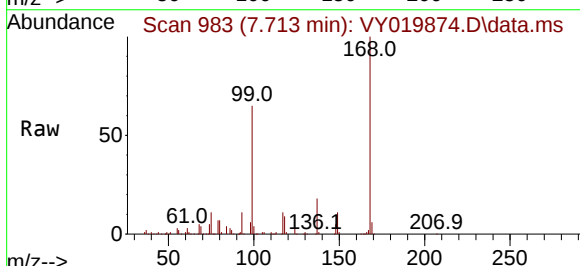
Tgt Ion: 75 Resp: 24883

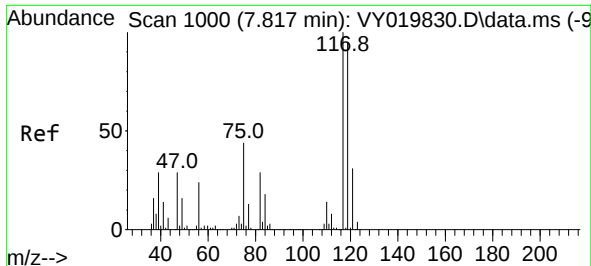
Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

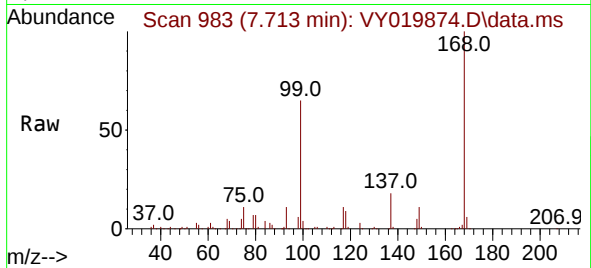
77 0.2 25.3 37.9#



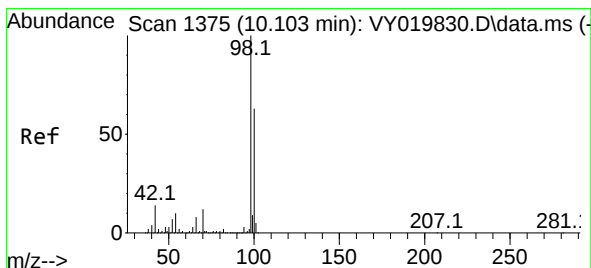
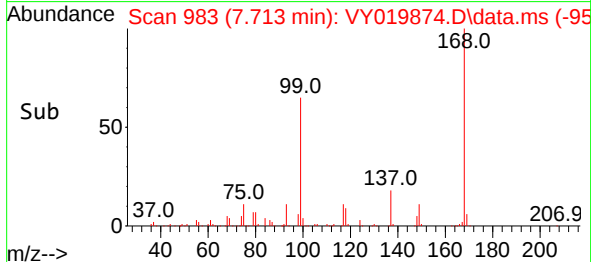
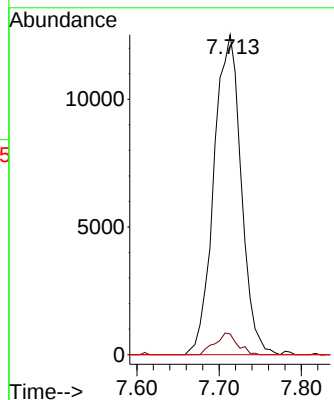


#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

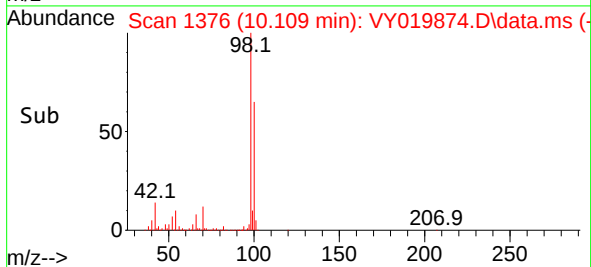
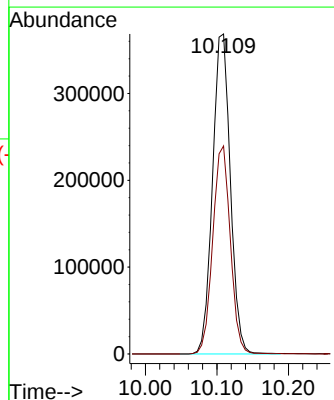
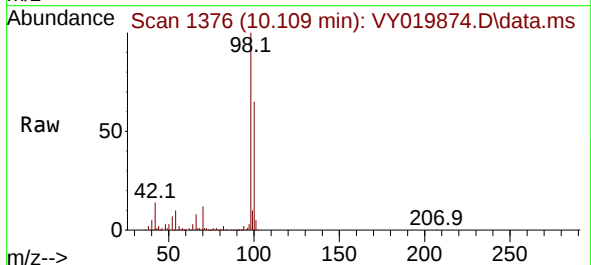


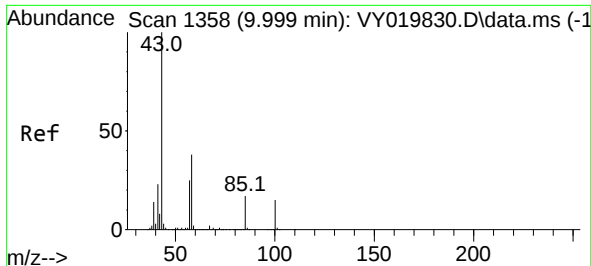
Tgt Ion:117 Resp: 28889
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.469 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Tgt Ion: 98 Resp: 637807
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.430 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.104 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

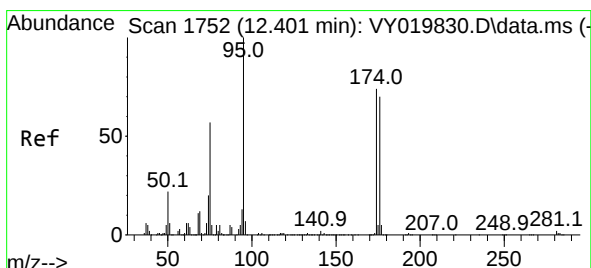
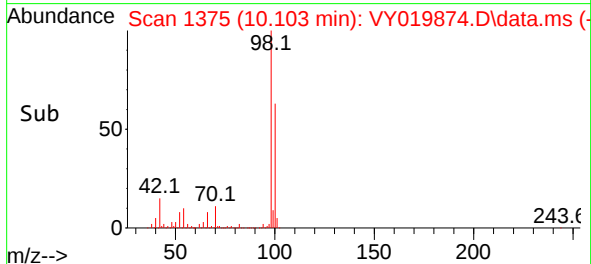
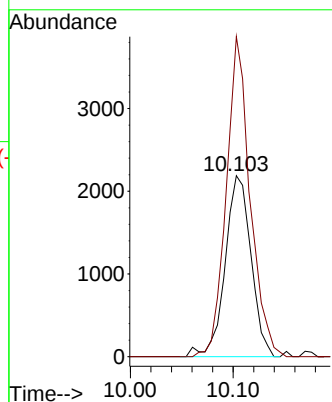
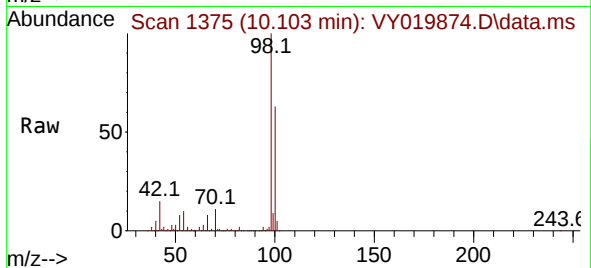
ClientSampleId :

Tgt Ion: 43 Resp: 3824

Ion Ratio Lower Upper

43 100

58 163.0 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 44.247 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

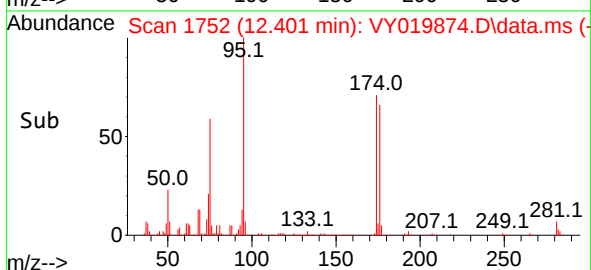
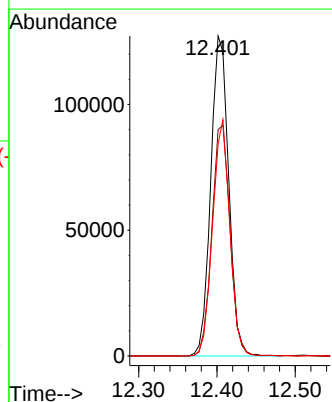
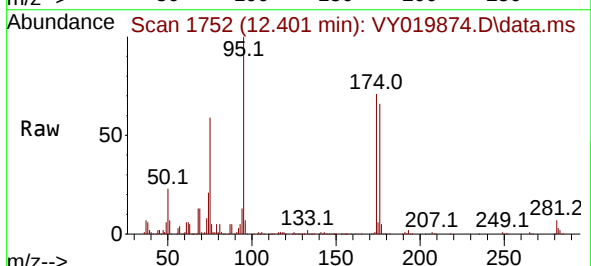
Tgt Ion: 95 Resp: 202049

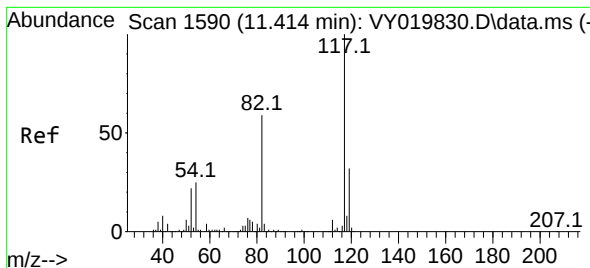
Ion Ratio Lower Upper

95 100

174 72.8 0.0 175.6

176 71.2 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

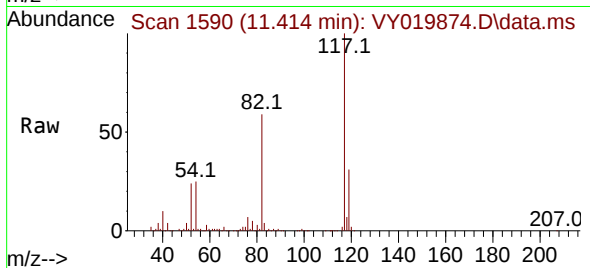
Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :



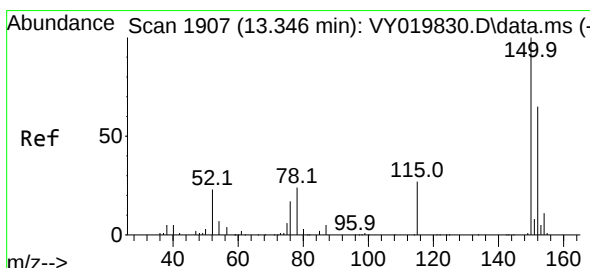
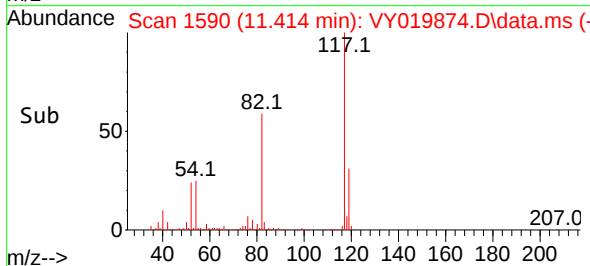
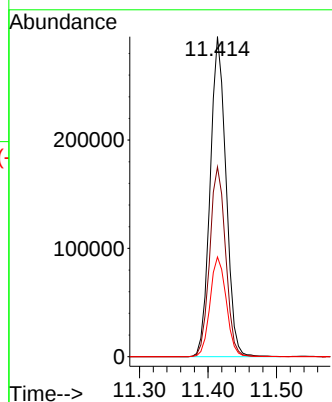
Tgt Ion:117 Resp: 474536

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.2 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019874.D

Acq: 11 Oct 2024 16:11

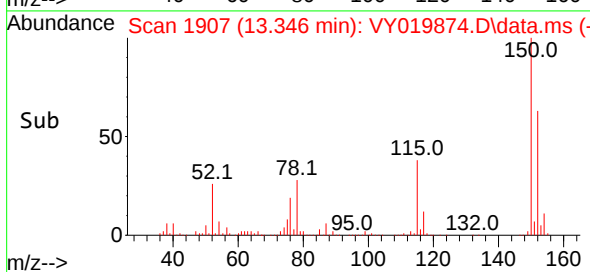
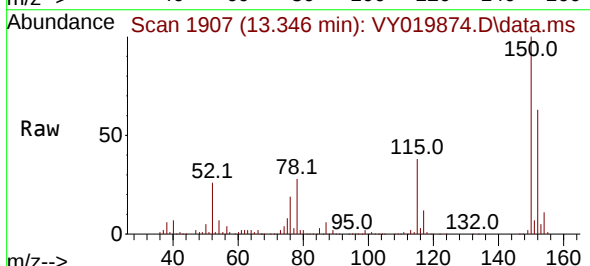
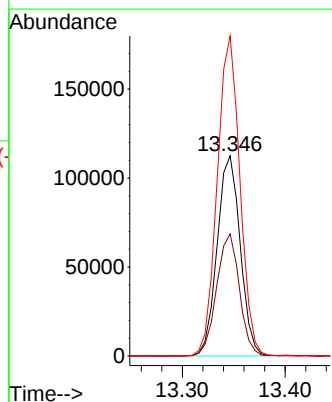
Tgt Ion:152 Resp: 175004

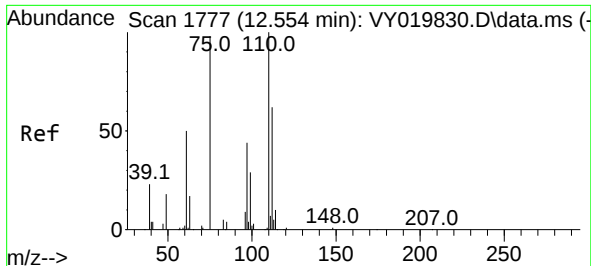
Ion Ratio Lower Upper

152 100

115 60.5 28.2 84.7

150 157.2 0.0 345.6

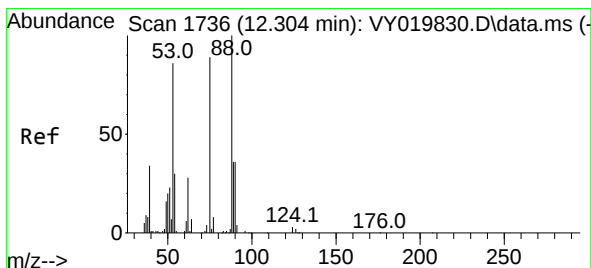
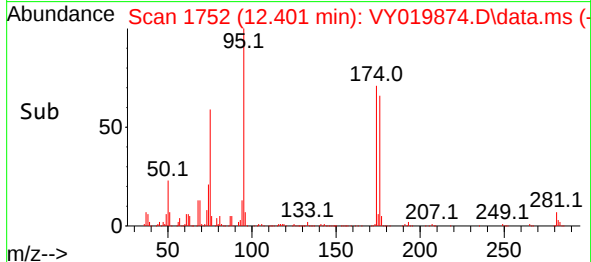
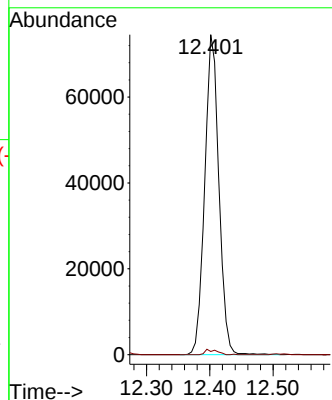
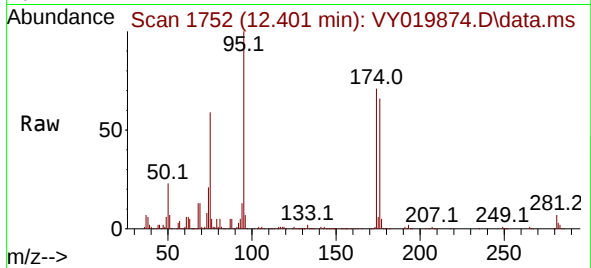




#76
1,2,3-Trichloropropane
Concen: 33.864 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 116098
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.690 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019874.D
Acq: 11 Oct 2024 16:11

Tgt Ion: 75 Resp: 116098
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.7 35.8 53.6#

