

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123124\
 Data File : VY020763.D
 Acq On : 31 Dec 2024 12:26
 Operator : SY/MD
 Sample : P5398-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 01 00:22:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

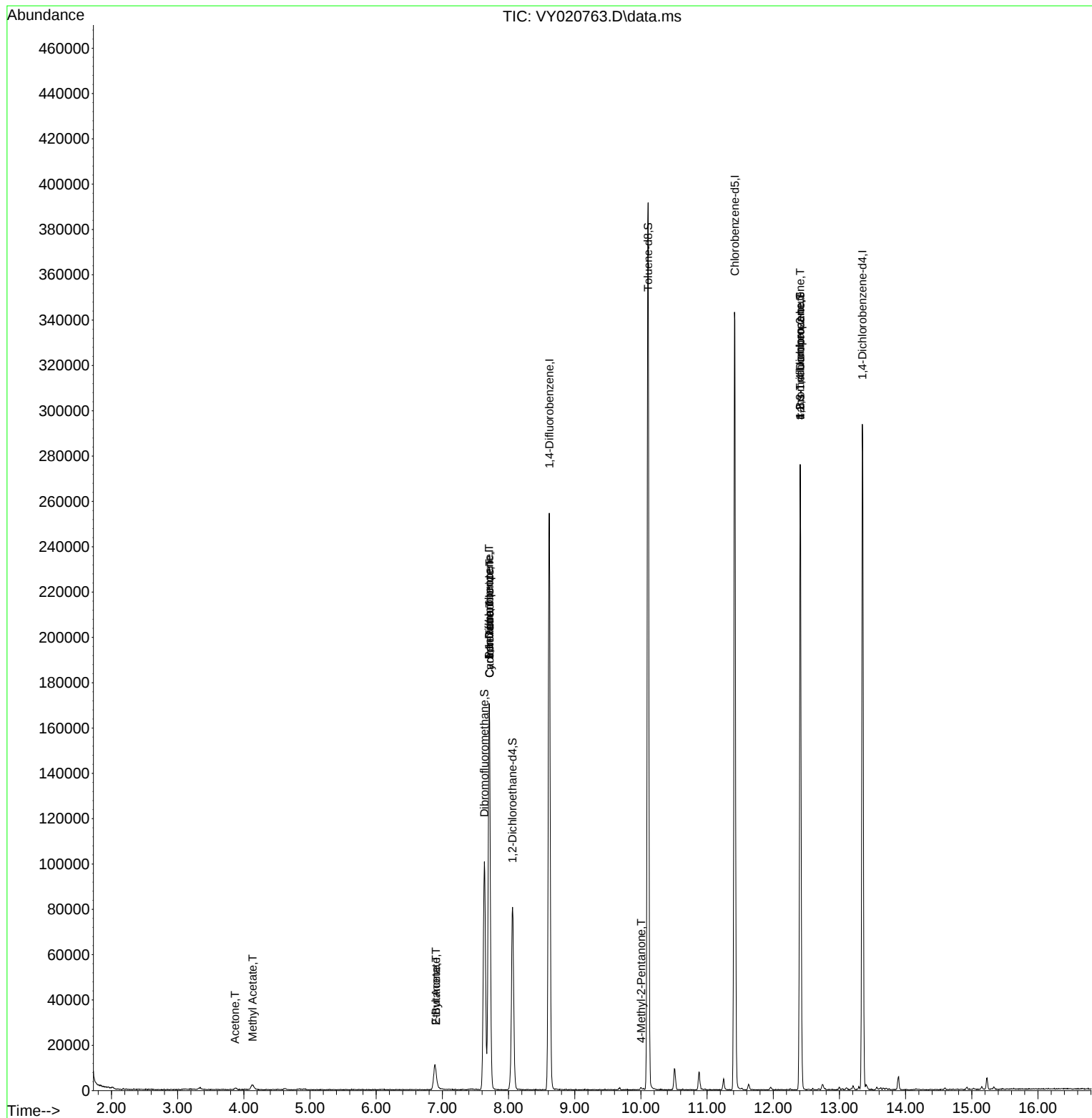
Internal Standards						
1) Pentafluorobenzene	7.707	168	136624	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.616	114	224550	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	194816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	77895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66393	59.328	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.660%	
35) Dibromofluoromethane	7.634	113	70218	56.771	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.540%	
50) Toluene-d8	10.109	98	262304	53.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.440%	
62) 4-Bromofluorobenzene	12.408	95	81604	49.646	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	407	Below Cal	#	89
16) Acetone	3.866	43	939	6.614	ug/l	90
18) Methyl Acetate	4.135	43	910	2.368	ug/l #	43
25) 2-Butanone	6.902	43	690	3.598	ug/l #	78
31) Cyclohexane	7.713	56	2526	1.757	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	9409	5.759	ug/l #	49
37) Ethyl Acetate	6.902	43	690	1.282	ug/l #	6
38) Carbon Tetrachloride	7.713	117	13857	5.151	ug/l #	19
51) 4-Methyl-2-Pentanone	10.006	43	696	1.260	ug/l #	86
76) 1,2,3-Trichloropropane	12.408	75	42379	85.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	42379	169.081	ug/l #	8

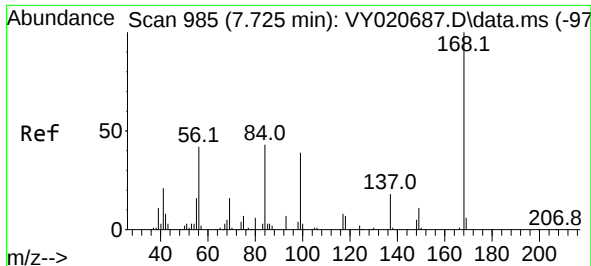
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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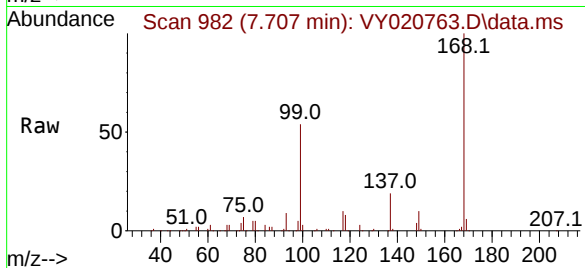
Quant Time: Jan 01 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
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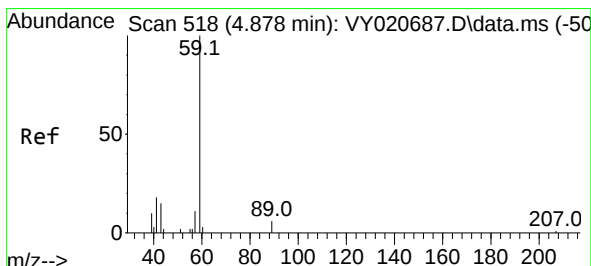
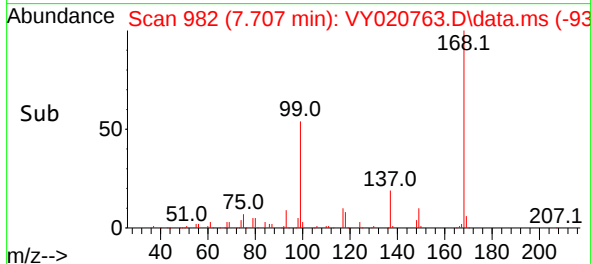
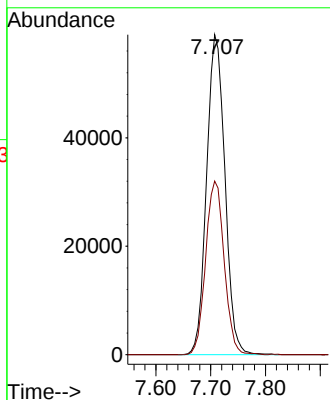


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

Instrument :
MSVOA_Y
ClientSampleId :

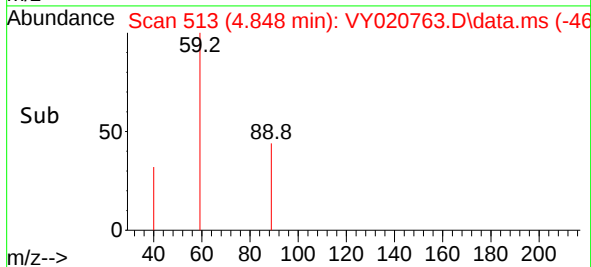
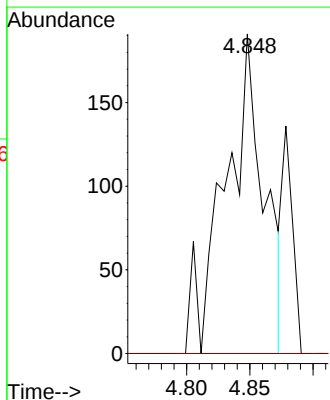
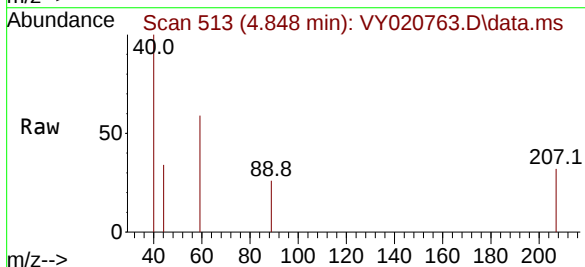


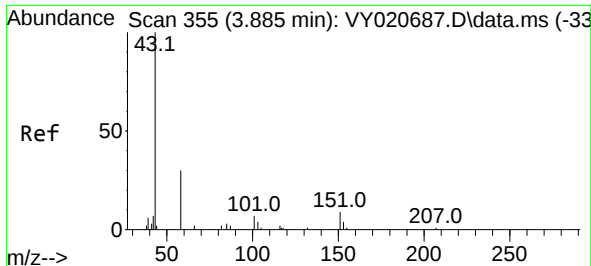
Tgt Ion:168 Resp: 136624
Ion Ratio Lower Upper
168 100
99 54.3 43.8 65.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#

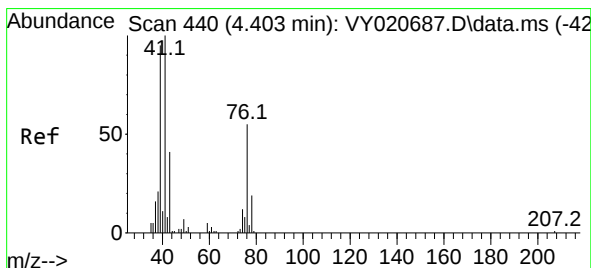
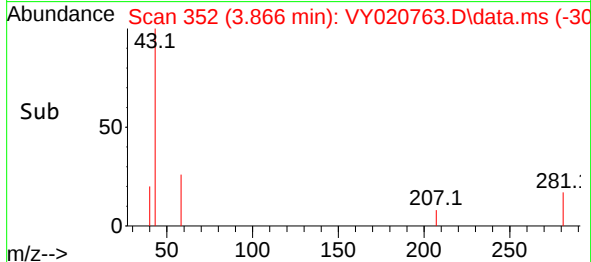
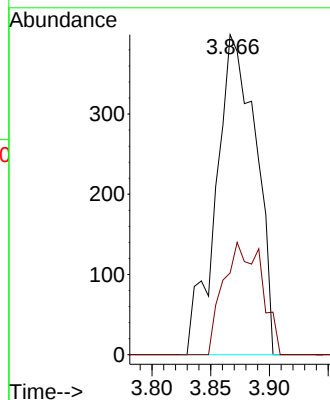
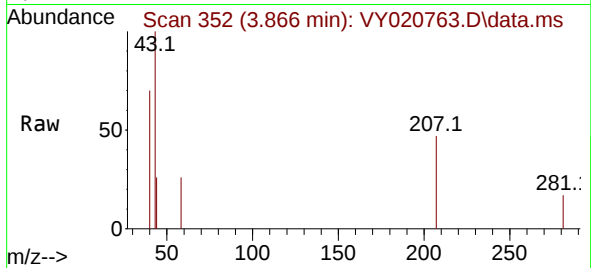




#16
Acetone
Concen: 6.614 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

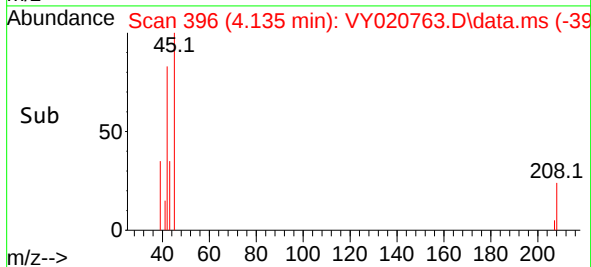
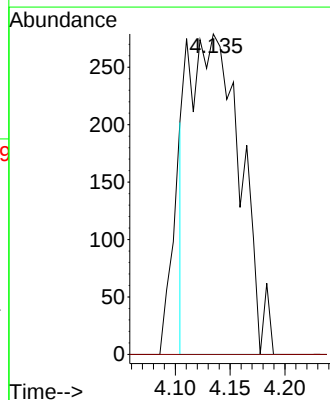
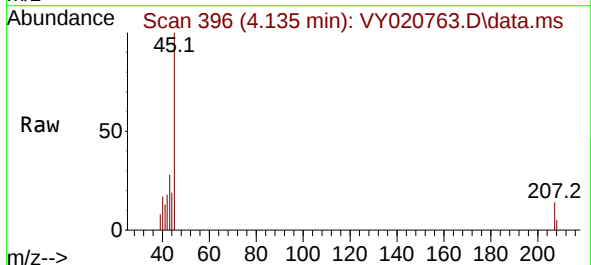
Instrument :
MSVOA_Y
ClientSampleId :

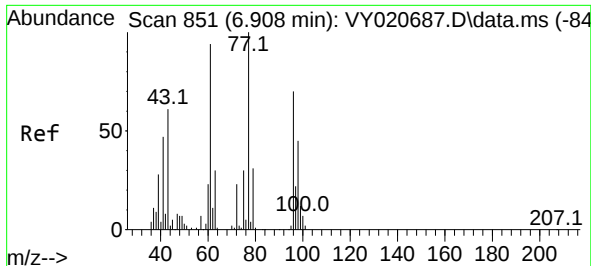
Tgt Ion: 43 Resp: 939
Ion Ratio Lower Upper
43 100
58 25.6 25.0 37.6



#18
Methyl Acetate
Concen: 2.368 ug/l
RT: 4.135 min Scan# 396
Delta R.T. -0.268 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

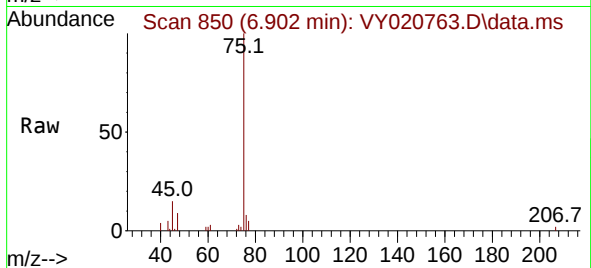
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#



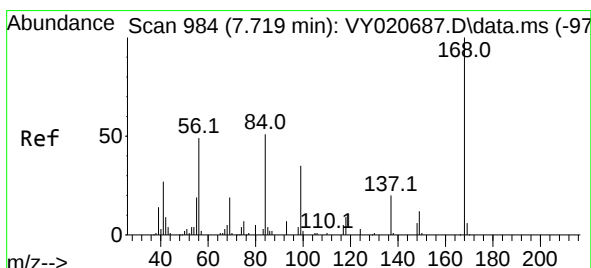
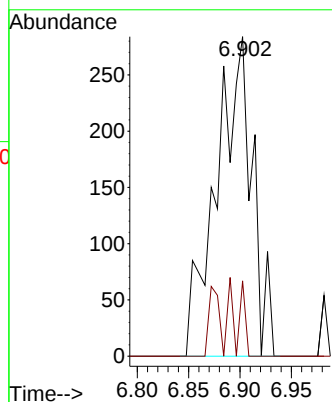
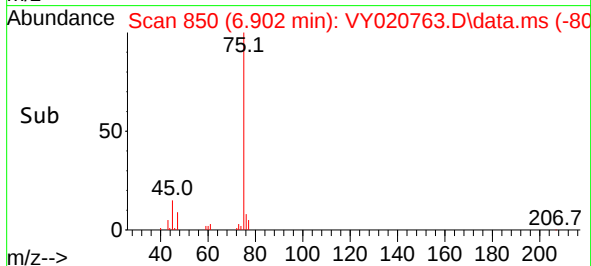


#25
2-Butanone
Concen: 3.598 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.006 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

Instrument :
MSVOA_Y
ClientSampleId :

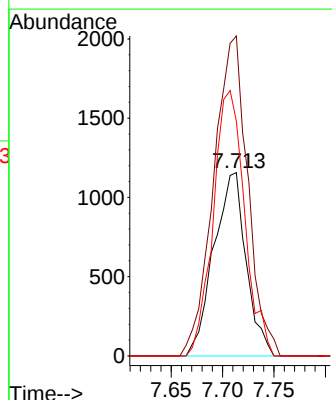
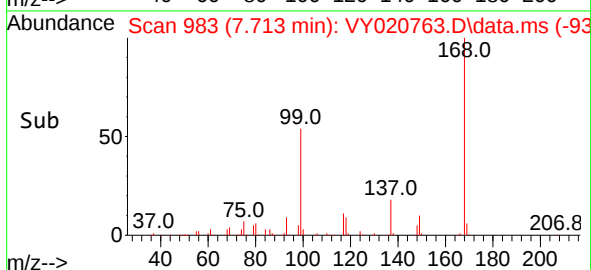
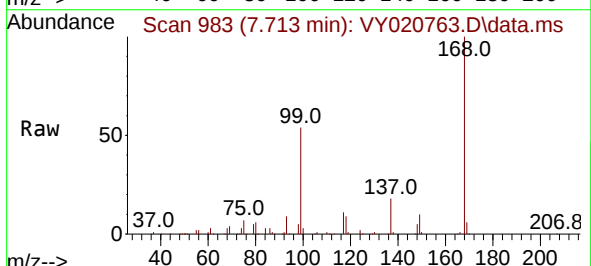


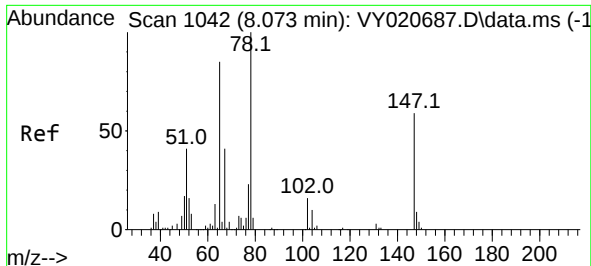
Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
72 23.6 29.5 44.3#



#31
Cyclohexane
Concen: 1.757 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY020763.D
Acq: 31 Dec 2024 12:26

Tgt Ion: 56 Resp: 2526
Ion Ratio Lower Upper
56 100
69 174.5 31.3 46.9#
84 128.1 83.9 125.9#





#33

1,2-Dichloroethane-d4

Concen: 59.328 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA_Y

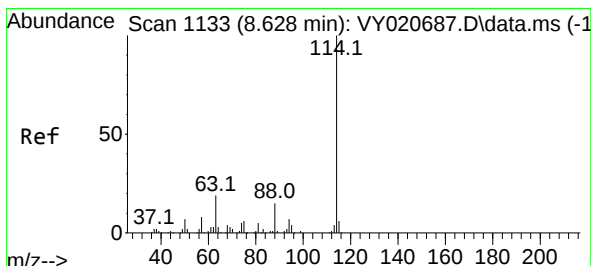
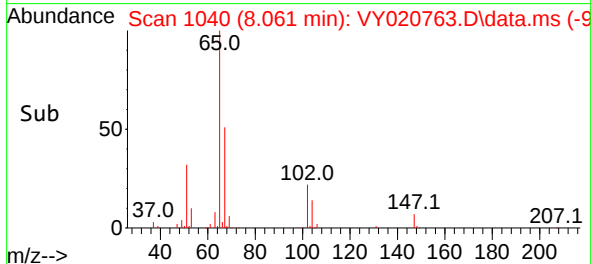
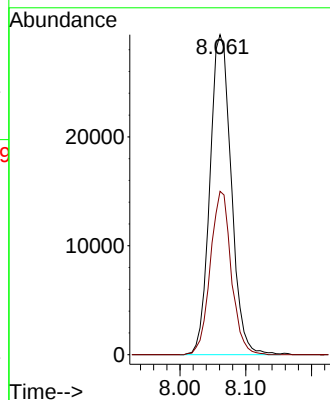
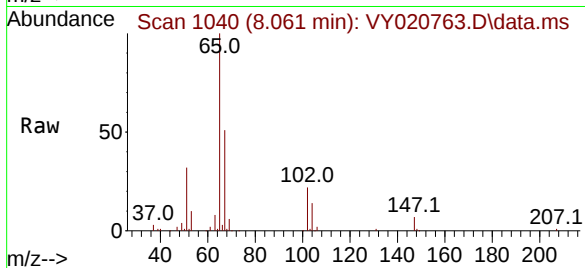
ClientSampleId :

Tgt Ion: 65 Resp: 66393

Ion Ratio Lower Upper

65 100

67 50.1 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

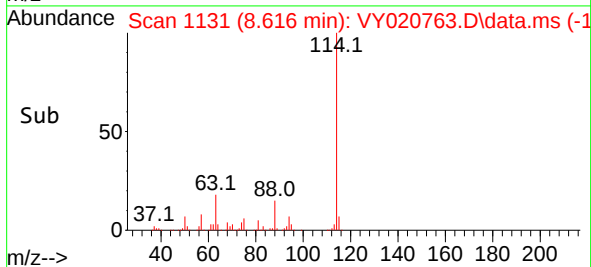
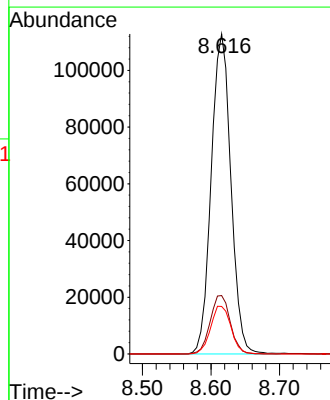
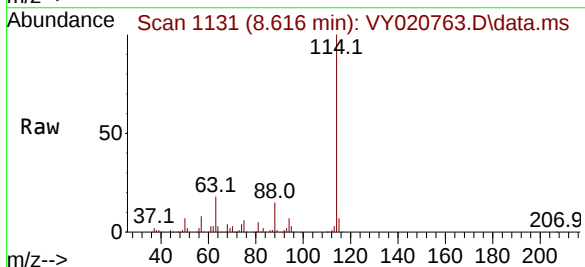
Tgt Ion: 114 Resp: 224550

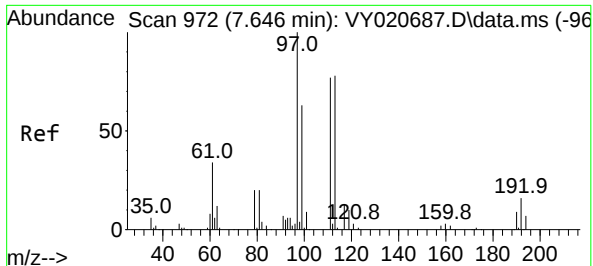
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 56.771 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.012 min

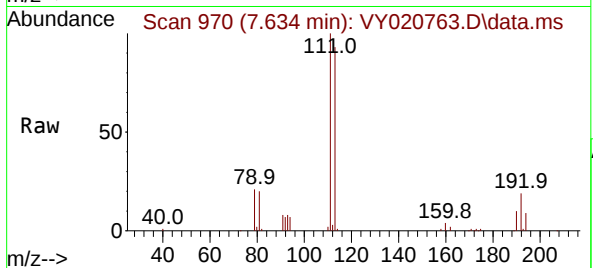
Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :



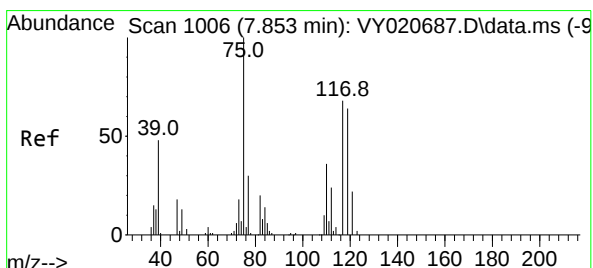
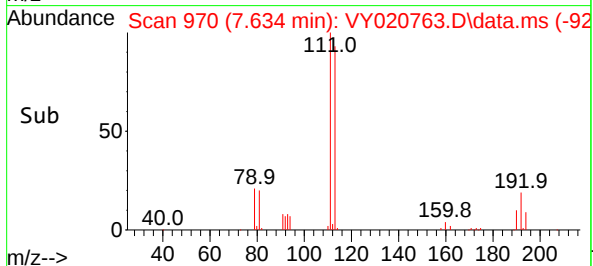
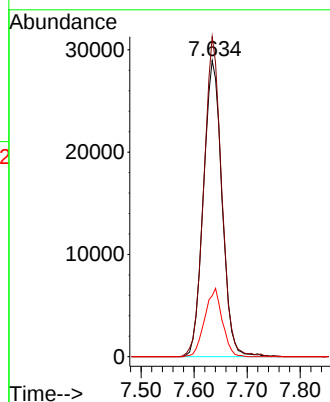
Tgt Ion:113 Resp: 70218

Ion Ratio Lower Upper

113 100

111 103.8 79.8 119.8

192 21.8 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.759 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.146 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

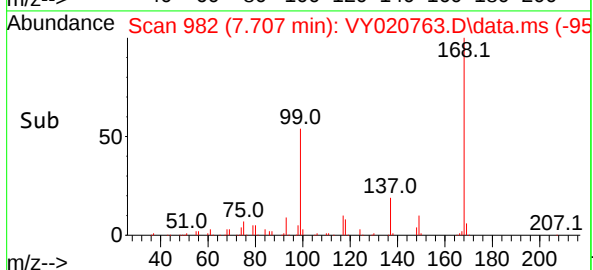
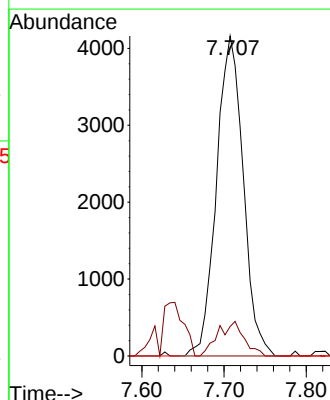
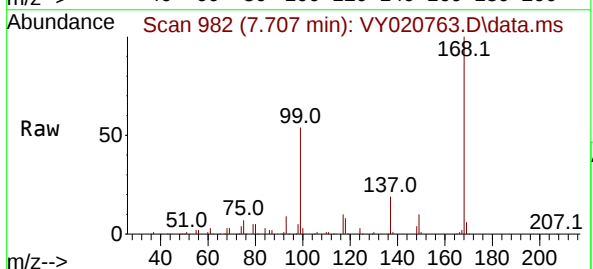
Tgt Ion: 75 Resp: 9409

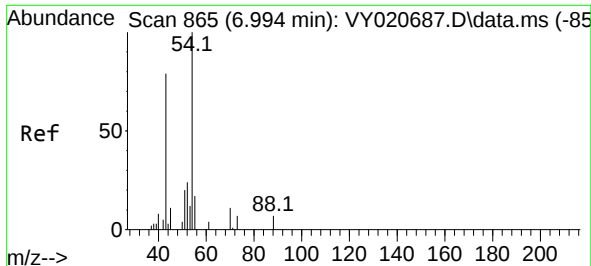
Ion Ratio Lower Upper

75 100

110 10.6 19.6 58.7#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 1.282 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.092 min

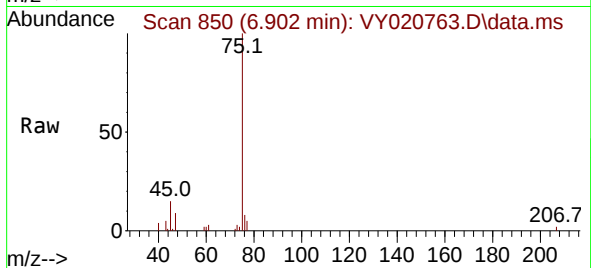
Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

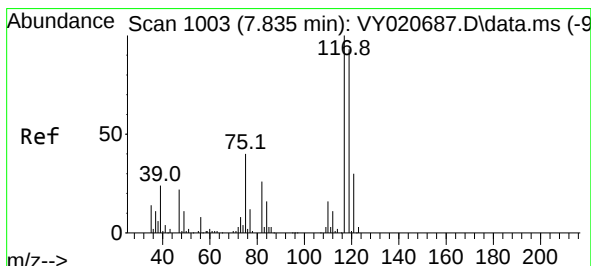
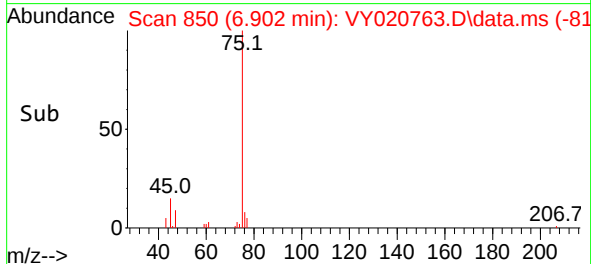
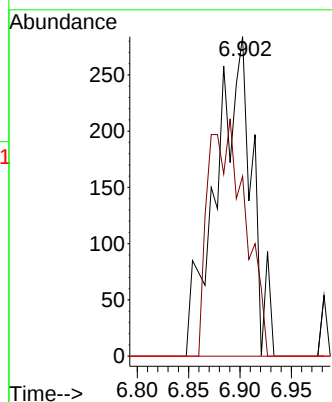
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	690
Ion	Ratio	Lower	Upper
43	100		
61	76.2	11.7	17.5#
70	0.0	11.0	16.4#



#38

Carbon Tetrachloride

Concen: 5.151 ug/l

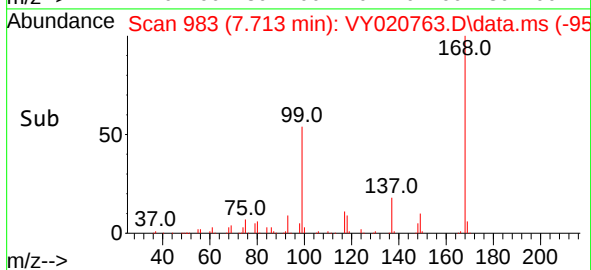
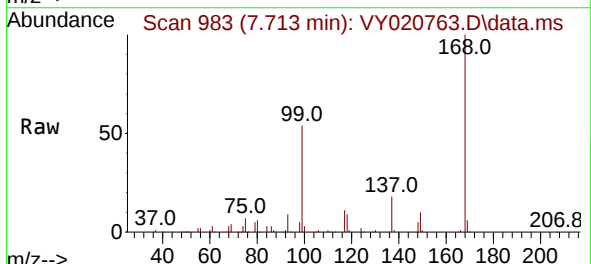
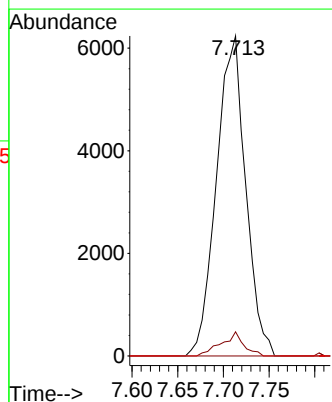
RT: 7.713 min Scan# 983

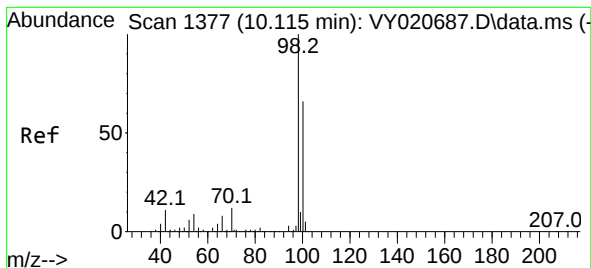
Delta R.T. -0.122 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Tgt Ion:	117	Resp:	13857
Ion	Ratio	Lower	Upper
117	100		
119	7.6	74.4	111.6#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 53.215 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA_Y

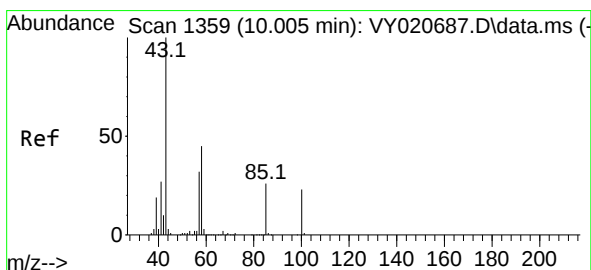
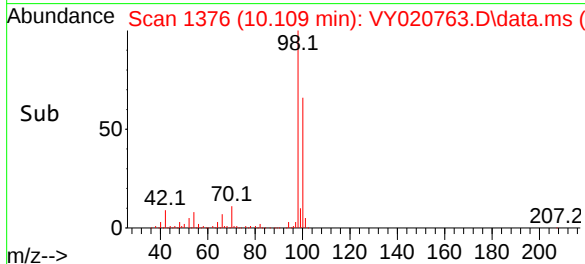
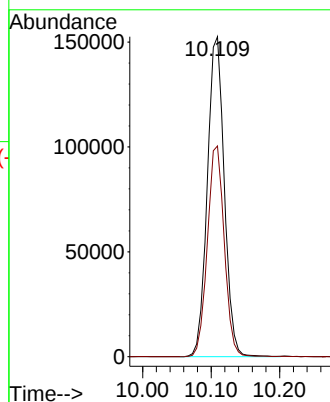
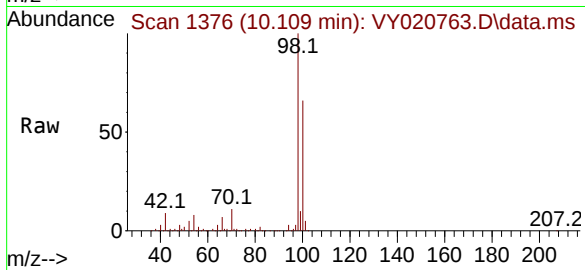
ClientSampleId :

Tgt Ion: 98 Resp: 262304

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 1.260 ug/l

RT: 10.006 min Scan# 1359

Delta R.T. 0.001 min

Lab File: VY020763.D

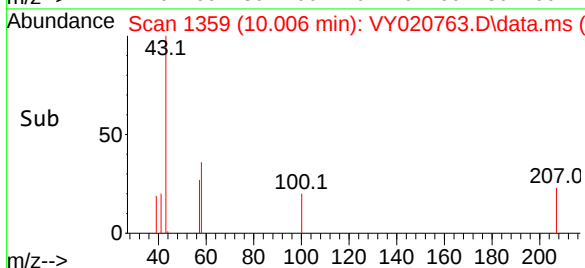
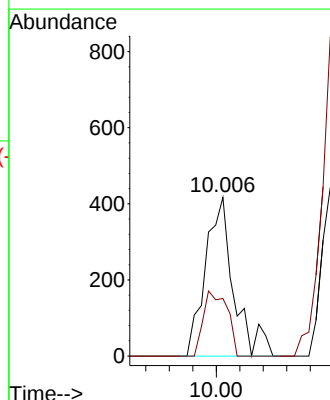
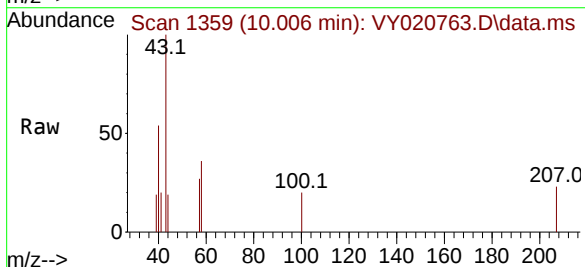
Acq: 31 Dec 2024 12:26

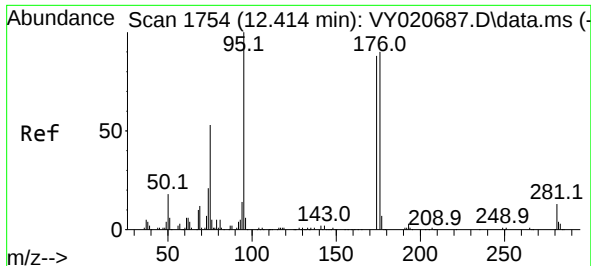
Tgt Ion: 43 Resp: 696

Ion Ratio Lower Upper

43 100

58 34.6 35.1 52.7#





#62

4-Bromofluorobenzene

Concen: 49.646 ug/l

RT: 12.408 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :

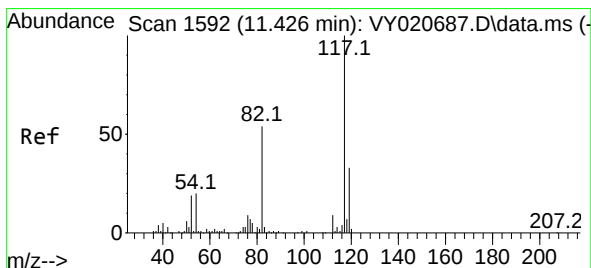
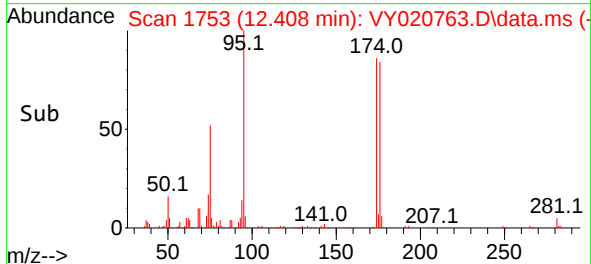
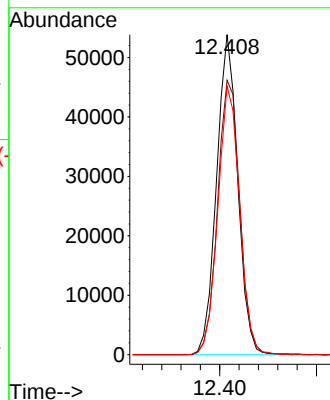
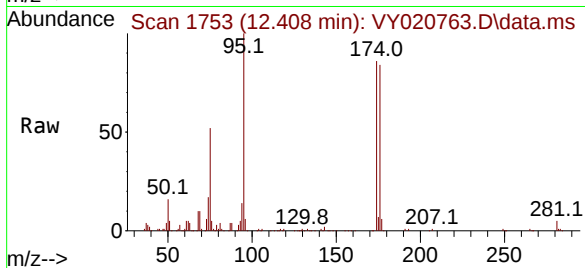
Tgt Ion: 95 Resp: 81604

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.2

176 86.5 0.0 179.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

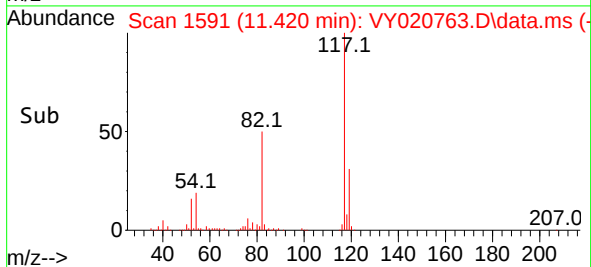
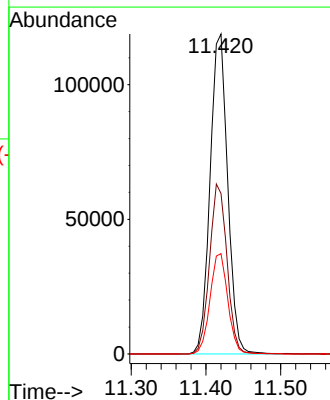
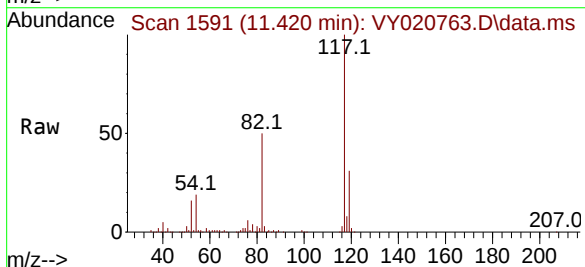
Tgt Ion: 117 Resp: 194816

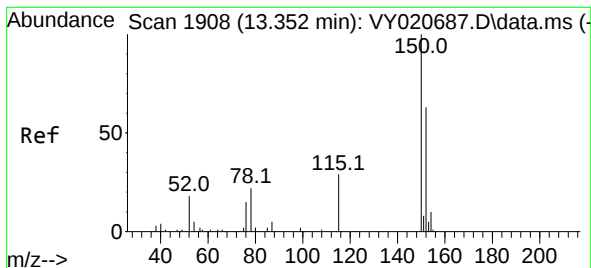
Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.2

119 31.4 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY020763.D

Acq: 31 Dec 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :

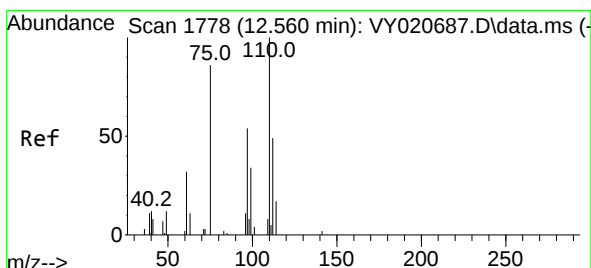
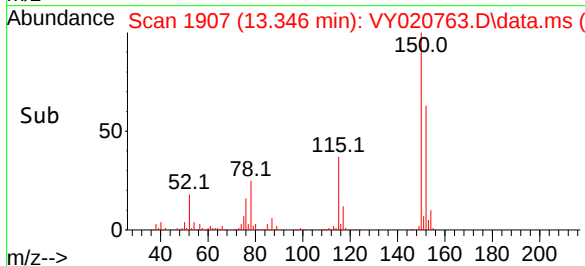
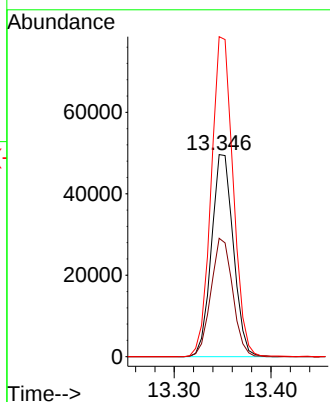
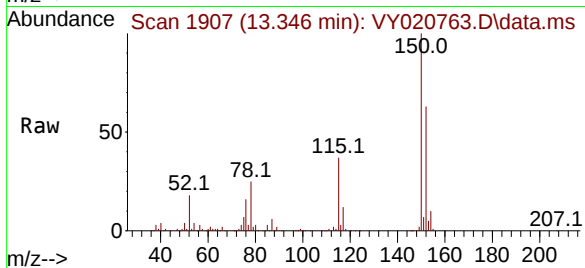
Tgt Ion:152 Resp: 77895

Ion Ratio Lower Upper

152 100

115 58.3 30.3 90.9

150 158.8 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 85.541 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020763.D

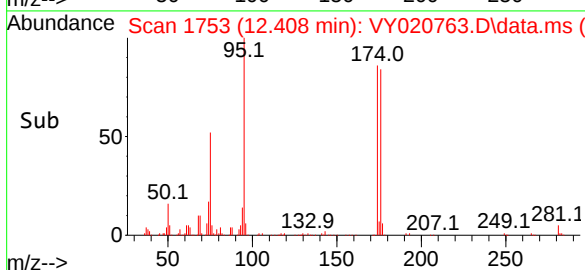
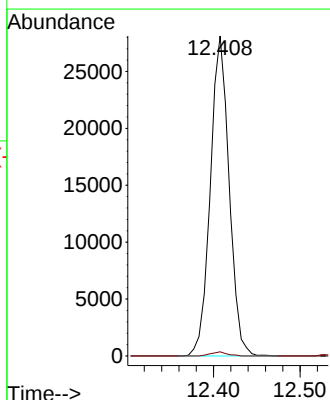
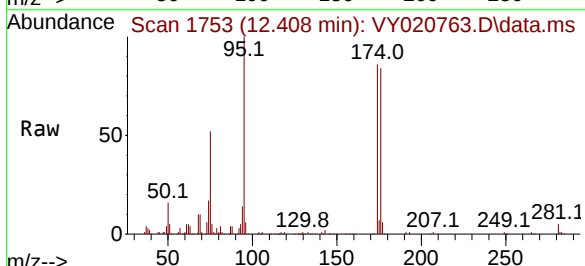
Acq: 31 Dec 2024 12:26

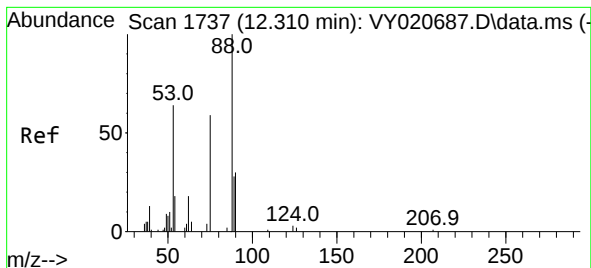
Tgt Ion: 75 Resp: 42379

Ion Ratio Lower Upper

75 100

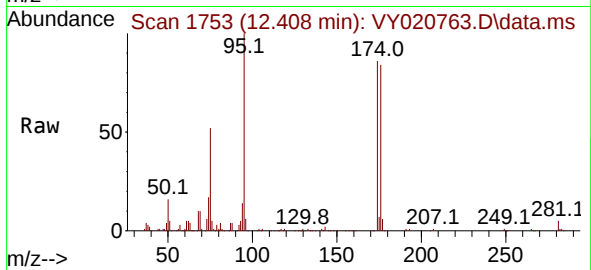
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 169.081 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY020763.D
 Acq: 31 Dec 2024 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 42379
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.1 124.7#
 89 0.0 40.6 61.0#

