

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021370.D
 Acq On : 27 Feb 2025 19:52
 Operator : SY/MD
 Sample : Q1448-05
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P4

Quant Time: Feb 28 00:44:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

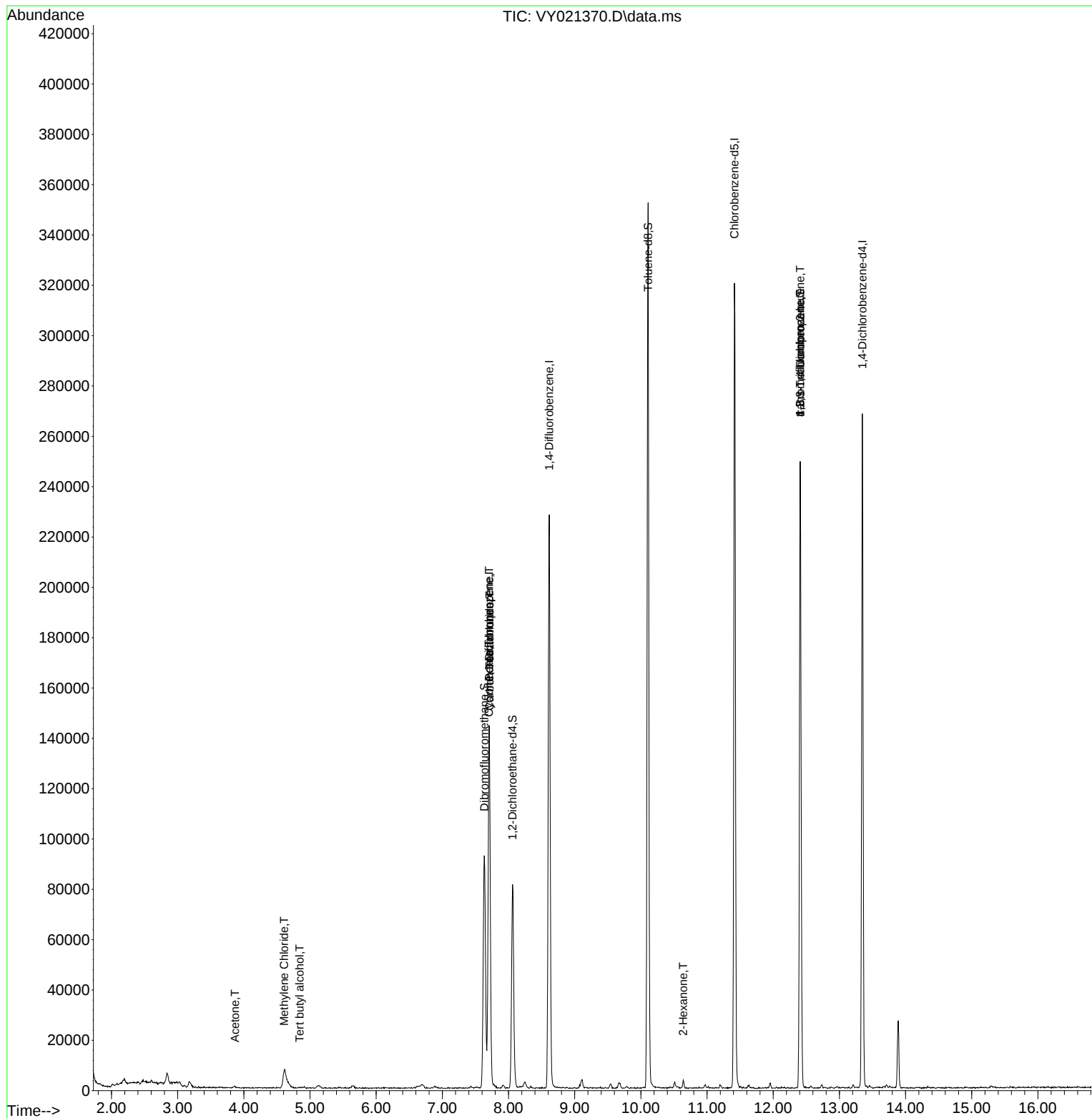
Internal Standards						
1) Pentafluorobenzene	7.707	168	106086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	190393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	166895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	65580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	66936	55.620	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.240%	
35) Dibromofluoromethane	7.634	113	65551	52.515	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.040%	
50) Toluene-d8	10.109	98	225688	46.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.560%	
62) 4-Bromofluorobenzene	12.408	95	66962	41.245	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	295	3.187	ug/l #	72
16) Acetone	3.866	43	677	2.933	ug/l #	45
20) Methylene Chloride	4.610	84	4469	3.580	ug/l	93
31) Cyclohexane	7.701	56	3701	1.744	ug/l #	50
36) 1,1-Dichloropropene	7.707	75	8950	4.773	ug/l #	47
38) Carbon Tetrachloride	7.713	117	11046	5.240	ug/l #	15
59) 2-Hexanone	10.640	43	828	1.364	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	37441	57.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	37441	126.775	ug/l #	10

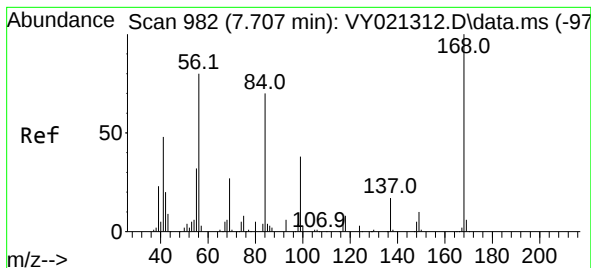
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021370.D

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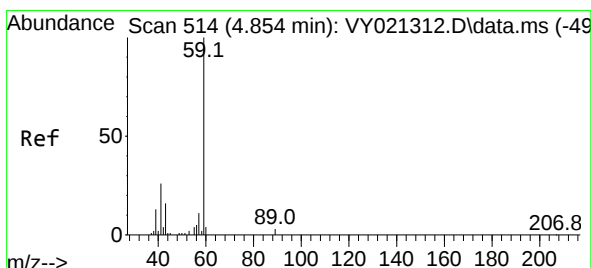
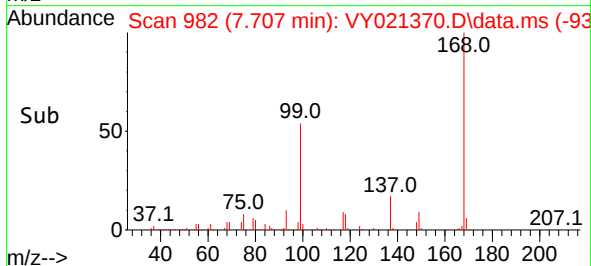
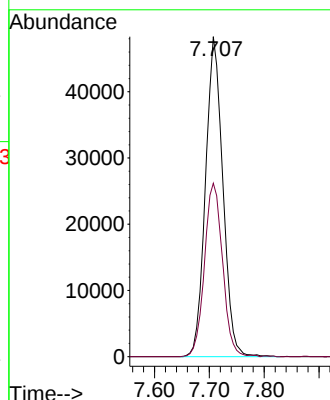
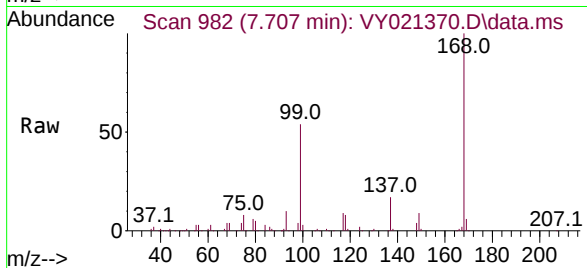
P4

Tgt Ion:168 Resp: 106086

Ion Ratio Lower Upper

168 100

99 54.2 47.1 70.7



#11

Tert butyl alcohol

Concen: 3.187 ug/l

RT: 4.842 min Scan# 512

Delta R.T. -0.012 min

Lab File: VY021370.D

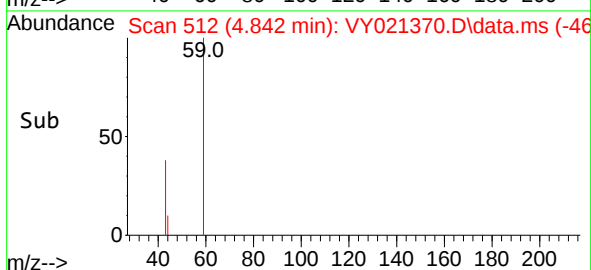
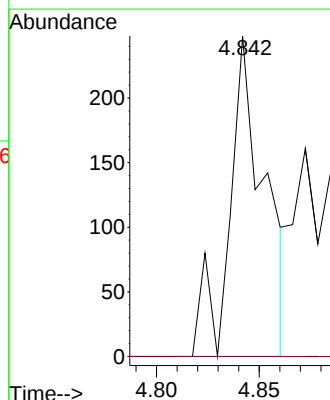
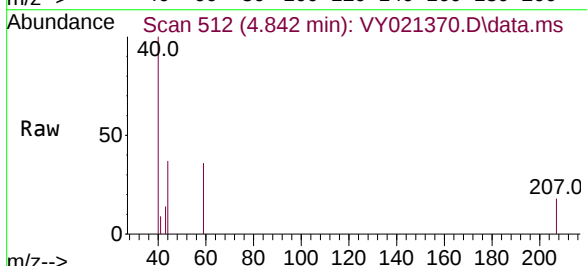
Acq: 27 Feb 2025 19:52

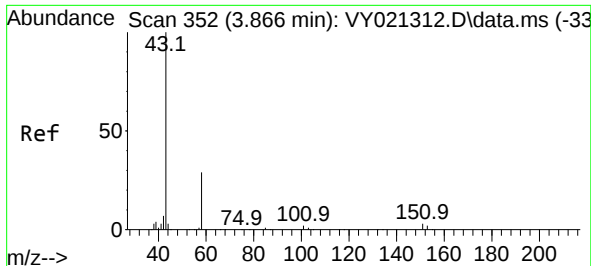
Tgt Ion: 59 Resp: 295

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.933 ug/l

RT: 3.866 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY021370.D

Acq: 27 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

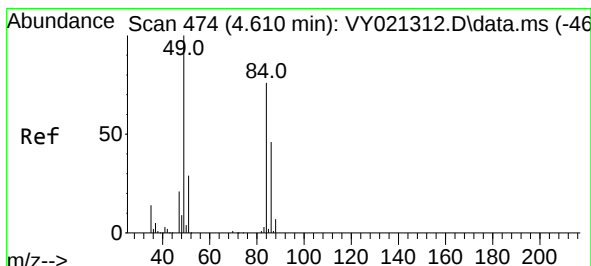
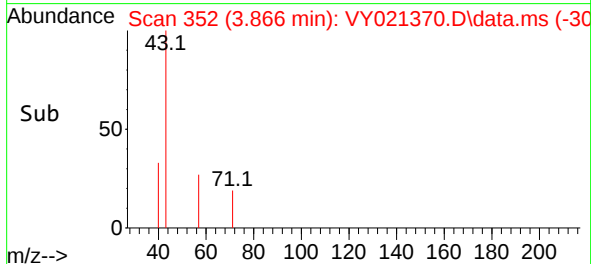
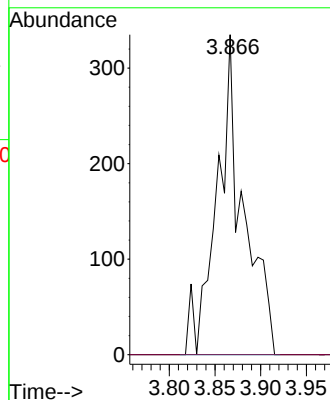
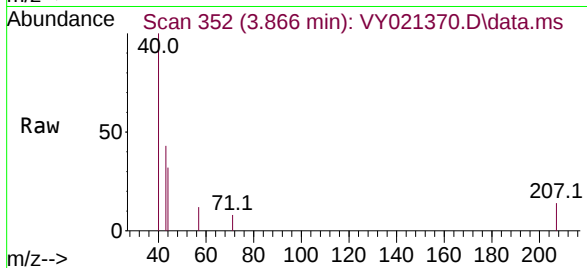
P4

Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

43 100

58 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: 3.580 ug/l

RT: 4.610 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY021370.D

Acq: 27 Feb 2025 19:52

Tgt Ion: 84 Resp: 4469

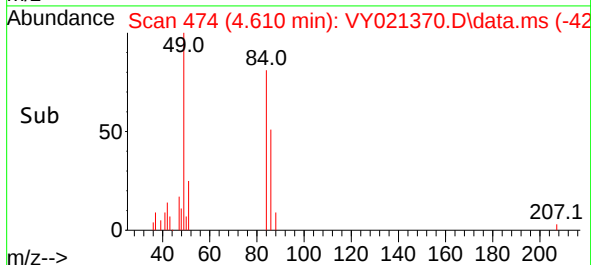
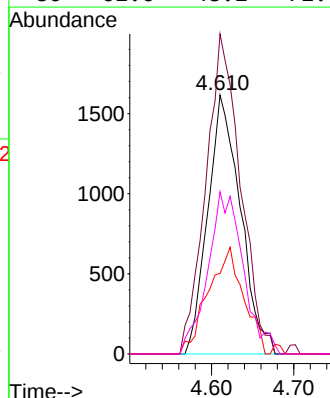
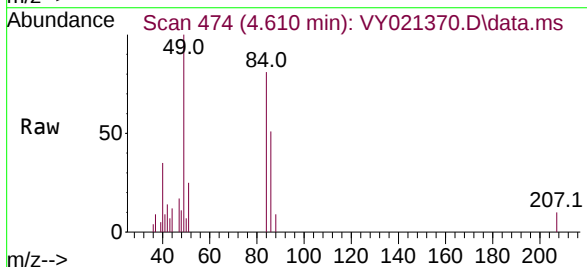
Ion Ratio Lower Upper

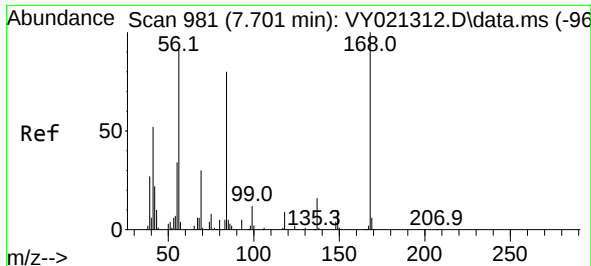
84 100

49 123.6 105.1 157.7

51 31.1 31.0 46.4

86 62.6 48.2 72.4

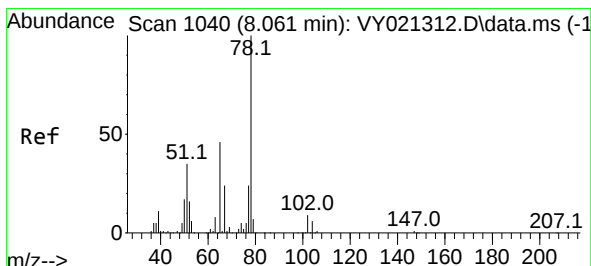
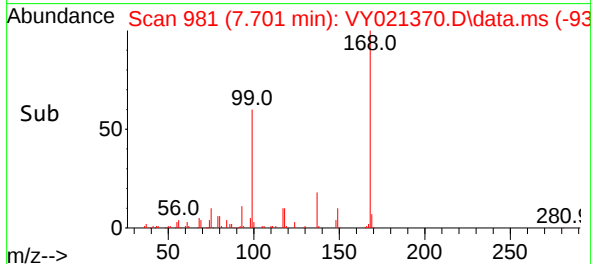
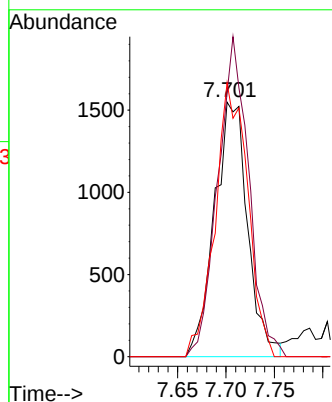
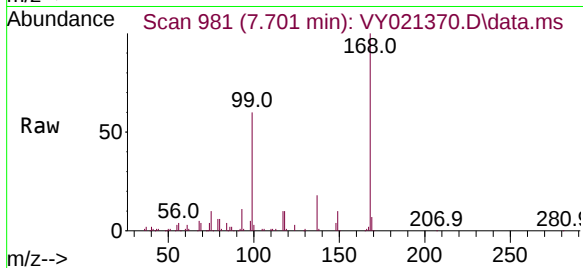




#31
Cyclohexane
Concen: 1.744 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

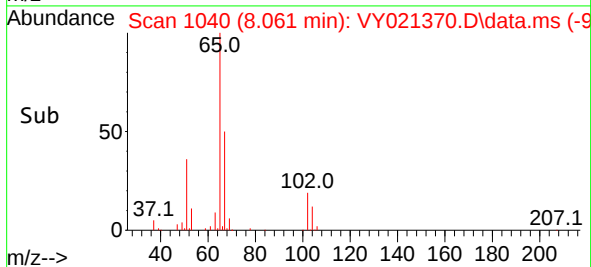
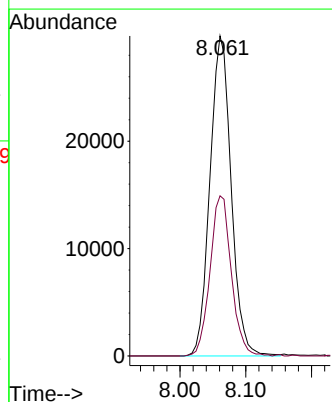
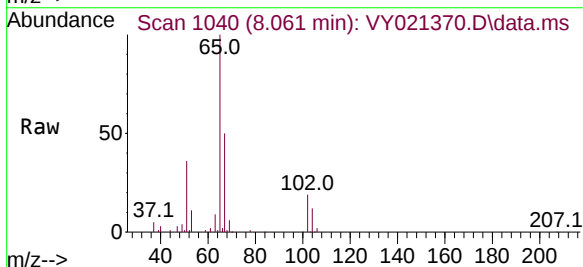
Instrument :
MSVOA_Y
ClientSampleId :
P4

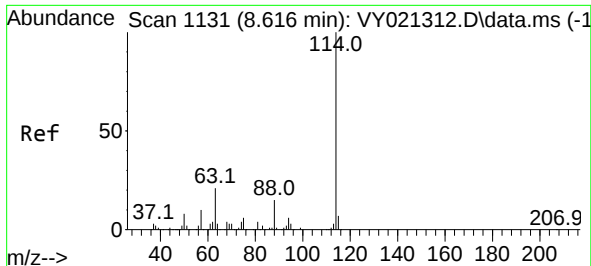
Tgt Ion: 56 Resp: 3701
Ion Ratio Lower Upper
56 100
69 103.6 26.2 39.4#
84 107.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 55.620 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

Tgt Ion: 65 Resp: 66936
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.6

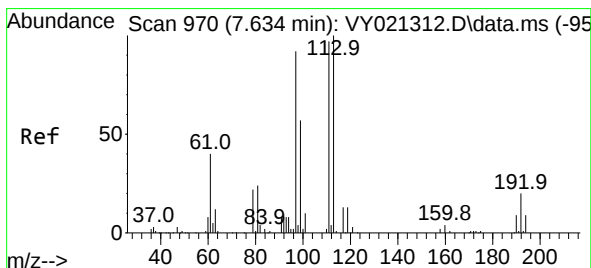
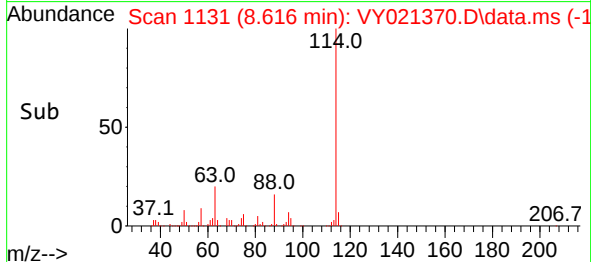
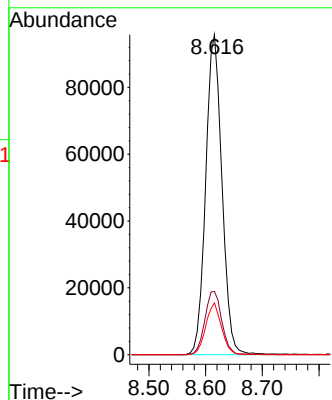
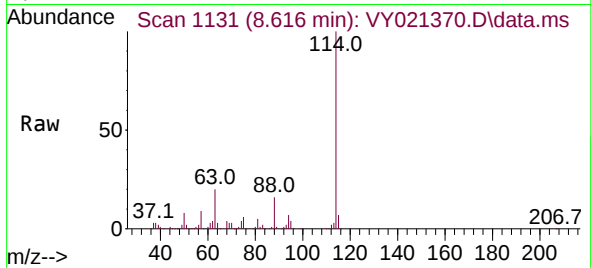




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

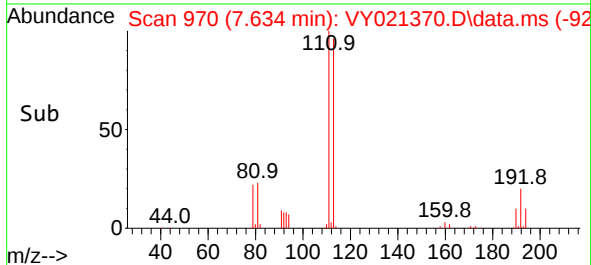
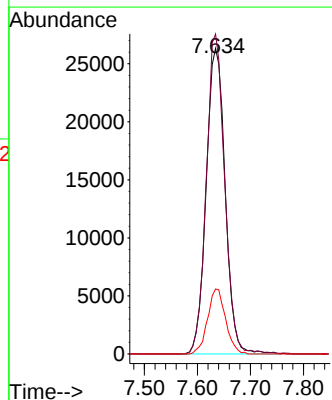
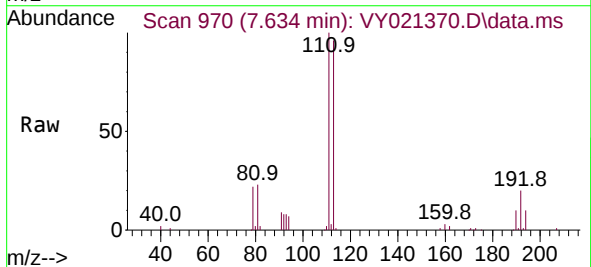
Instrument :
MSVOA_Y
ClientSampleId :
P4

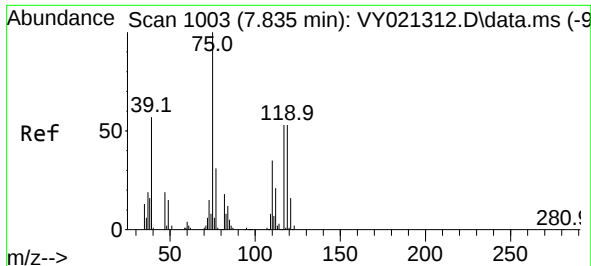
Tgt Ion:	114	Resp:	190393
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	42.2
88	16.2	0.0	29.8



#35
Dibromofluoromethane
Concen: 52.515 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

Tgt Ion:	113	Resp:	65551
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.0	121.6
192	20.2	15.8	23.8





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY021370.D

Acq: 27 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

P4

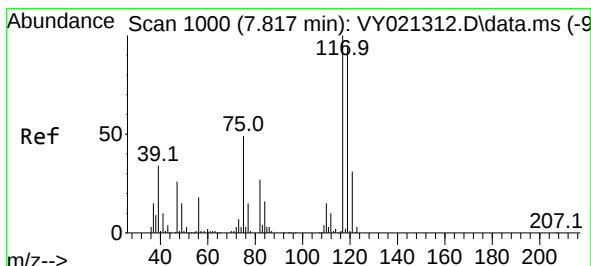
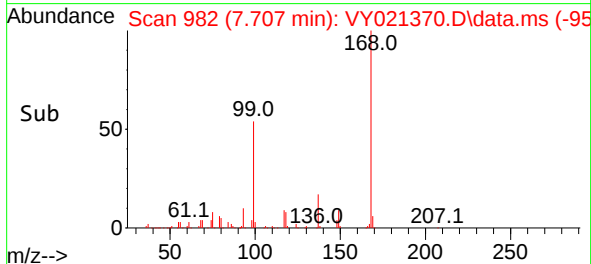
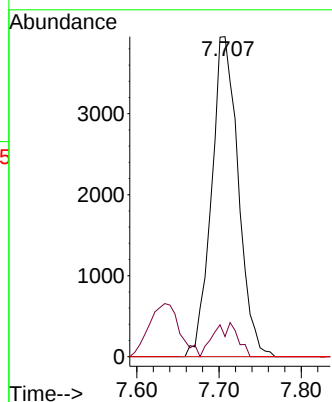
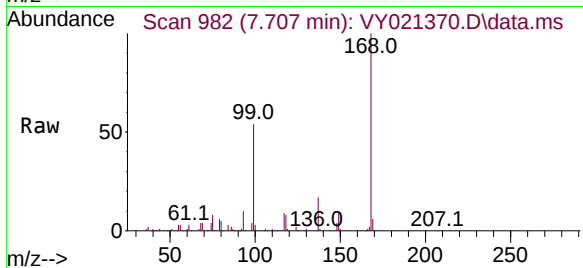
Tgt Ion: 75 Resp: 8950

Ion Ratio Lower Upper

75 100

110 5.2 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.240 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY021370.D

Acq: 27 Feb 2025 19:52

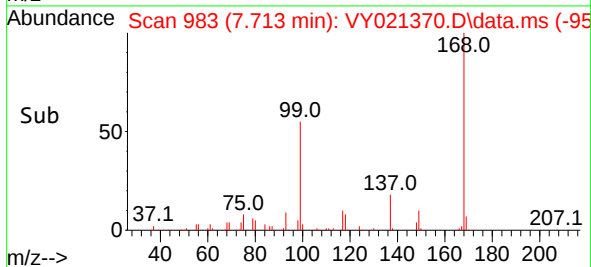
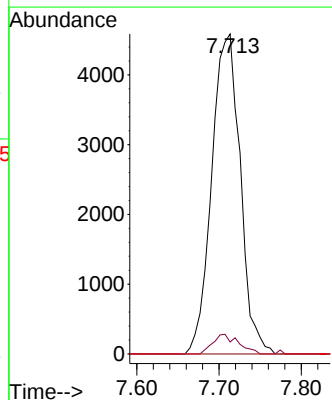
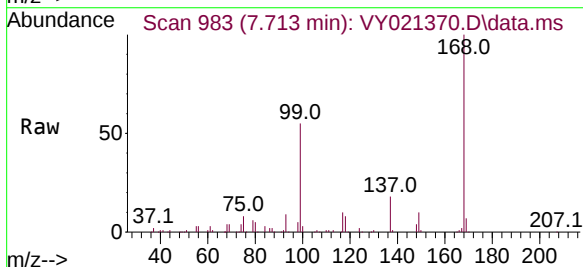
Tgt Ion: 117 Resp: 11046

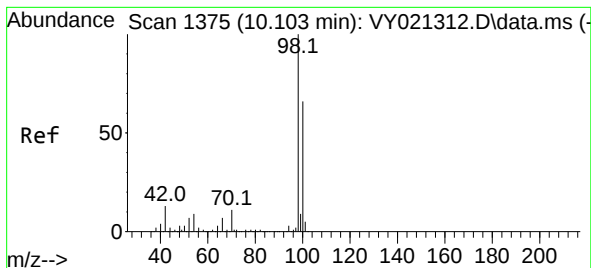
Ion Ratio Lower Upper

117 100

119 3.7 76.0 114.0#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 46.784 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021370.D

Acq: 27 Feb 2025 19:52

Instrument :

MSVOA_Y

ClientSampleId :

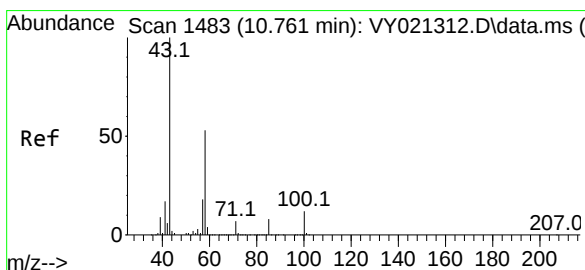
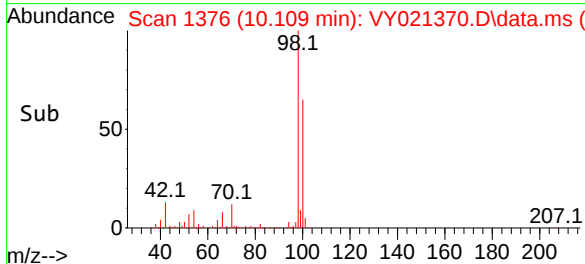
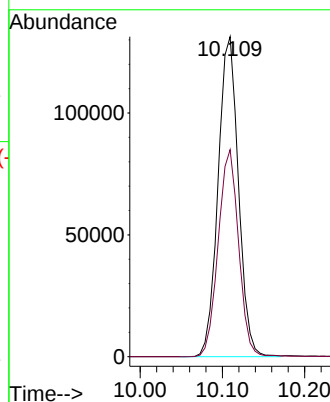
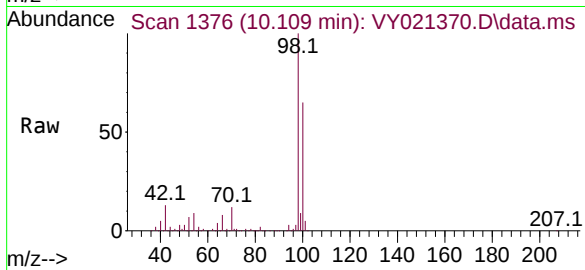
P4

Tgt Ion: 98 Resp: 225688

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#59

2-Hexanone

Concen: 1.364 ug/l

RT: 10.640 min Scan# 1463

Delta R.T. -0.122 min

Lab File: VY021370.D

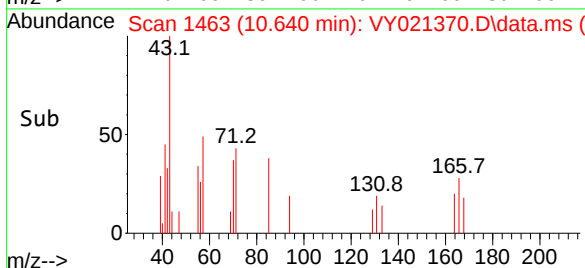
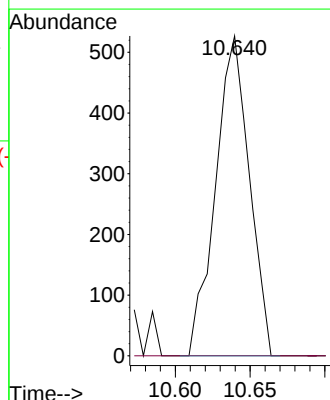
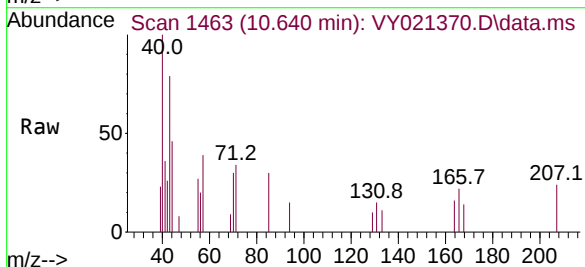
Acq: 27 Feb 2025 19:52

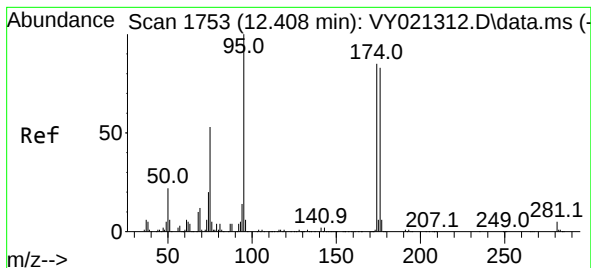
Tgt Ion: 43 Resp: 828

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

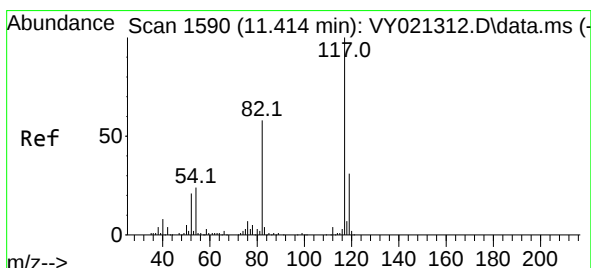
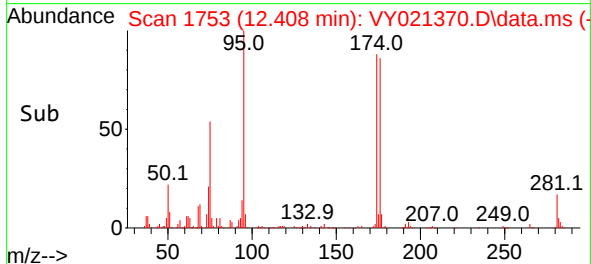
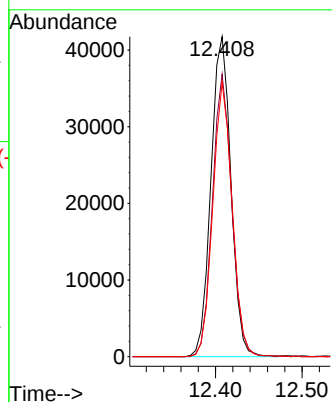
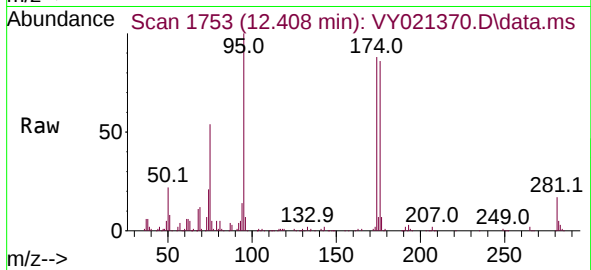




#62
4-Bromofluorobenzene
Concen: 41.245 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

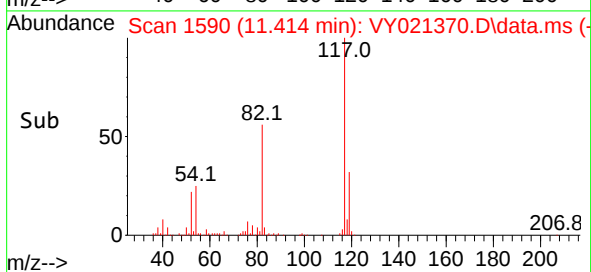
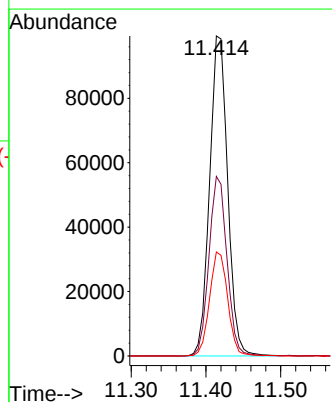
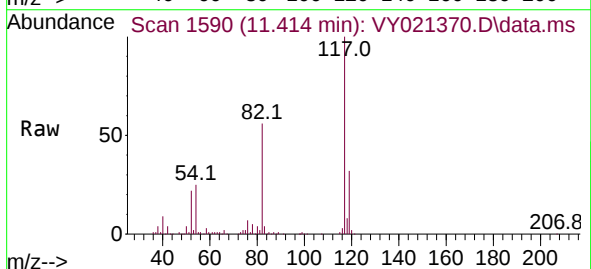
Instrument :
MSVOA_Y
ClientSampleId :
P4

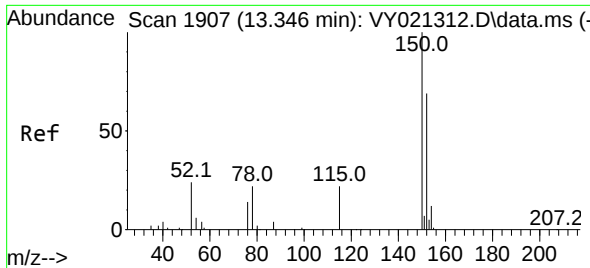
Tgt Ion:	95	Resp:	66962
Ion Ratio	Lower	Upper	
95	100		
174	85.4	0.0	168.0
176	83.1	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021370.D
Acq: 27 Feb 2025 19:52

Tgt Ion:	117	Resp:	166895
Ion Ratio	Lower	Upper	
117	100		
82	56.1	46.2	69.4
119	32.5	24.9	37.3

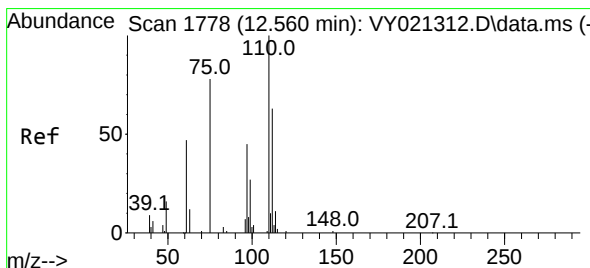
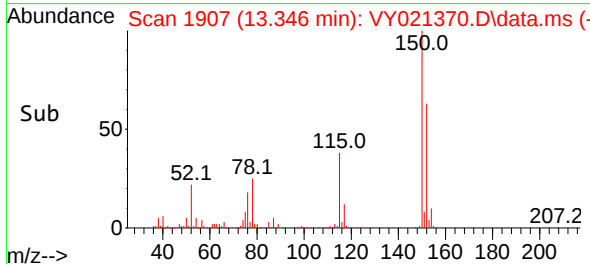
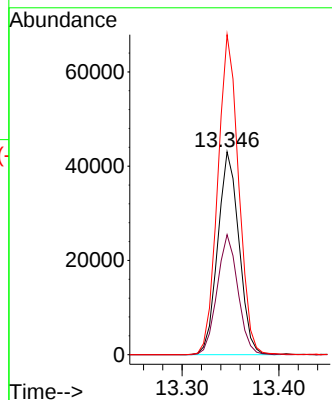
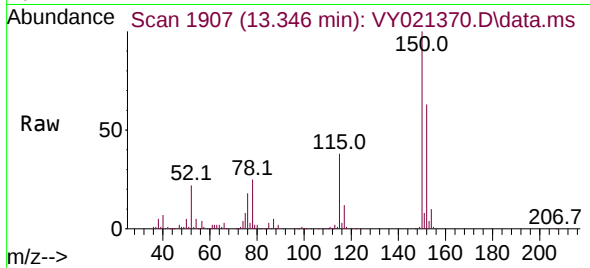




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021370.D
 Acq: 27 Feb 2025 19:52

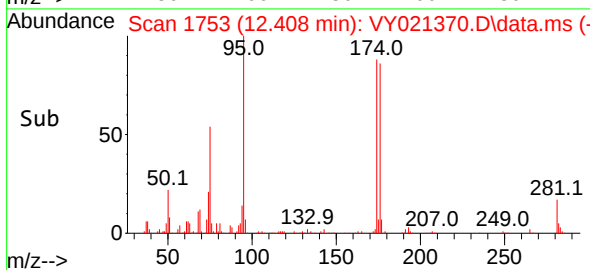
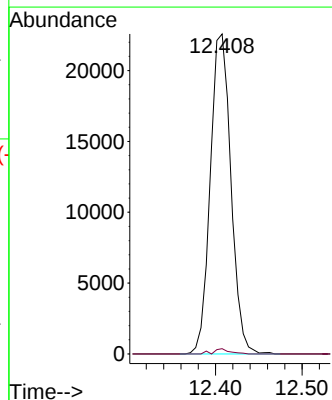
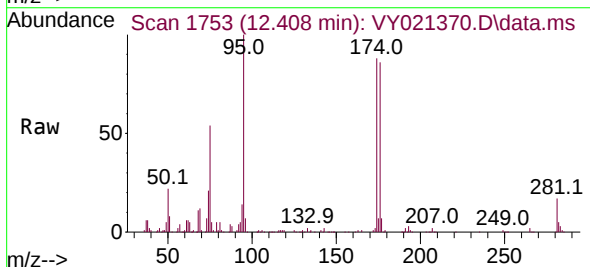
Instrument :
 MSVOA_Y
 ClientSampleId :
 P4

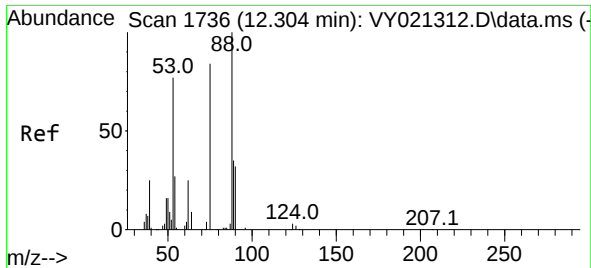
Tgt Ion:152 Resp: 65580
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.3 88.0
 150 155.0 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 57.038 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021370.D
 Acq: 27 Feb 2025 19:52

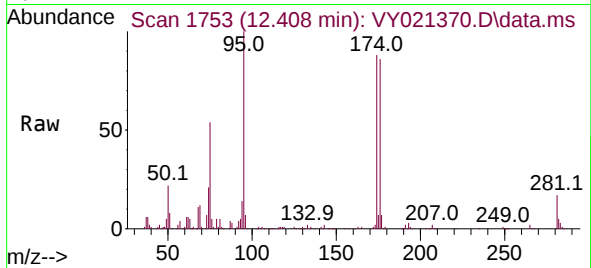
Tgt Ion: 75 Resp: 37441
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.775 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021370.D
 Acq: 27 Feb 2025 19:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 P4



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.1	118.7#
89	0.3	35.6	53.4#

