

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020948.D
 Acq On : 27 Jan 2025 15:10
 Operator : SY/MD
 Sample : Q1194-03
 Misc : 8.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:14:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

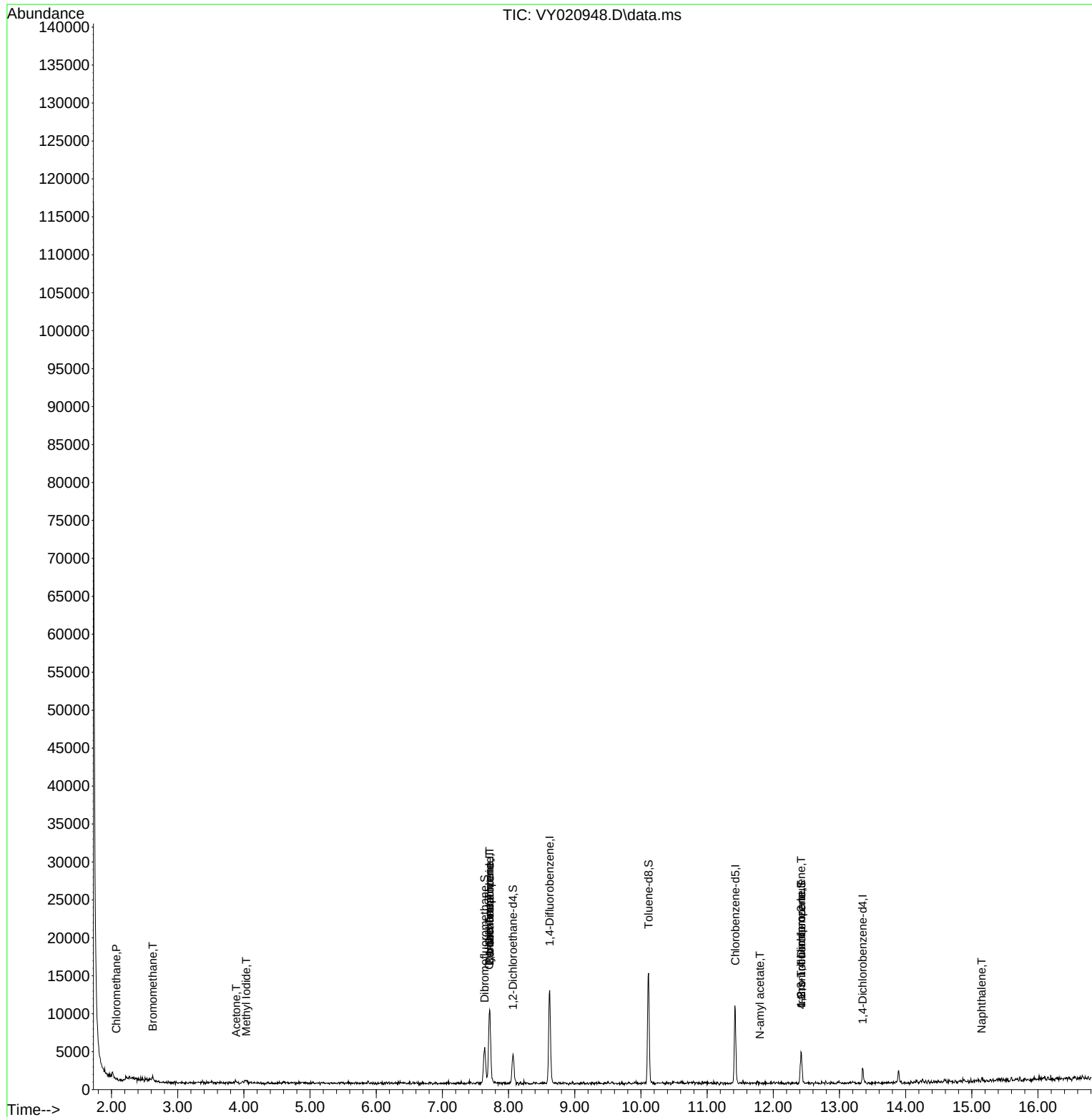
Internal Standards						
1) Pentafluorobenzene	7.713	168	8581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	11963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	6018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	3327	48.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.260%
35) Dibromofluoromethane	7.640	113	3540	51.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.100%
50) Toluene-d8	10.115	98	10871	40.809	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.620%
62) 4-Bromofluorobenzene	12.426	95	1009	11.381	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	22.760%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	78	1.616	ug/l #	79
5) Bromomethane	2.622	94	269	7.549	ug/l	99
10) Methyl Iodide	4.037	142	709	8.066	ug/l #	74
16) Acetone	3.884	43	229	24.704	ug/l #	43
31) Cyclohexane	7.707	56	135	1.108	ug/l #	53
36) 1,1-Dichloropropene	7.713	75	591	6.164	ug/l #	40
38) Carbon Tetrachloride	7.713	117	902	7.800	ug/l #	12
74) N-amyl acetate	11.798	43	20	2.239	ug/l #	39
76) 1,2,3-Trichloropropane	12.420	75	543	105.349	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	543	203.533	ug/l #	15
95) Naphthalene	15.151	128	515	27.342	ug/l #	75

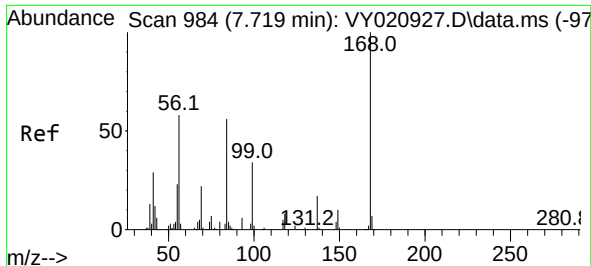
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 25 01:12:18 2025
Response via : Initial Calibration

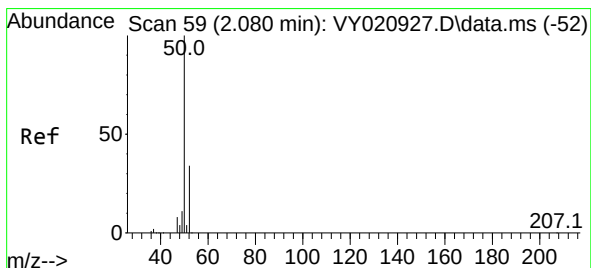
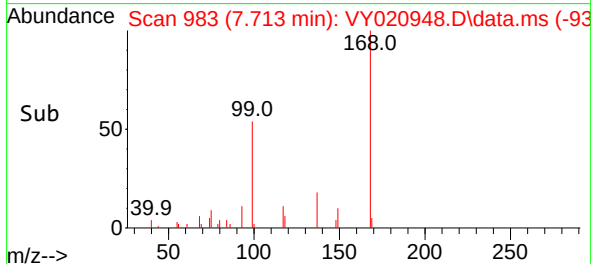
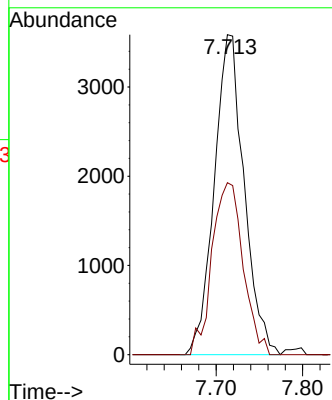
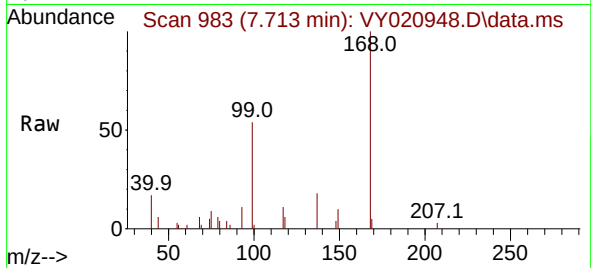




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

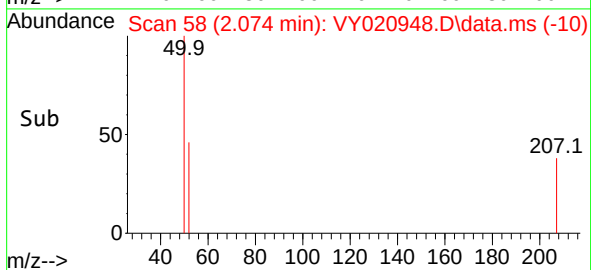
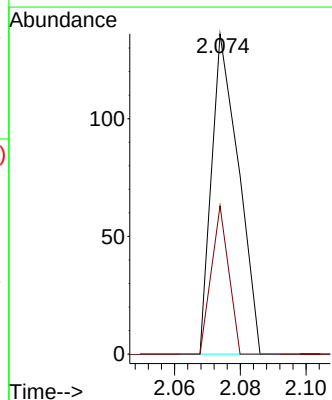
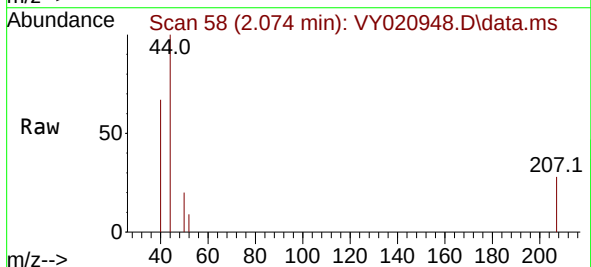
Instrument :
MSVOA_Y
ClientSampleId :

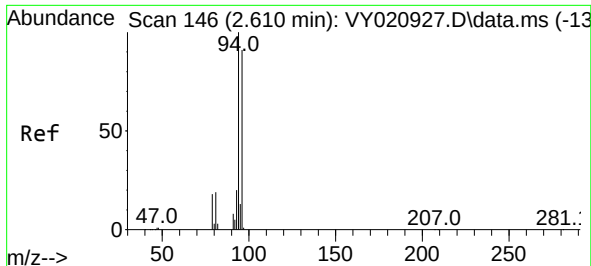
Tgt Ion:168 Resp: 8581
Ion Ratio Lower Upper
168 100
99 53.7 43.0 64.6



#3
Chloromethane
Concen: 1.616 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

Tgt Ion: 50 Resp: 78
Ion Ratio Lower Upper
50 100
52 46.3 27.4 41.0#

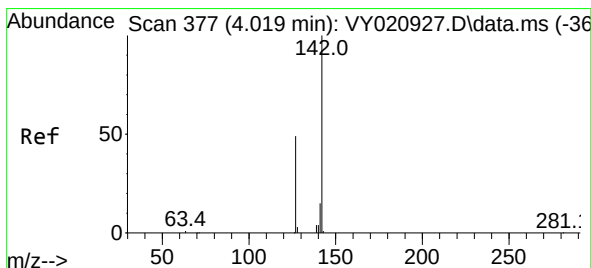
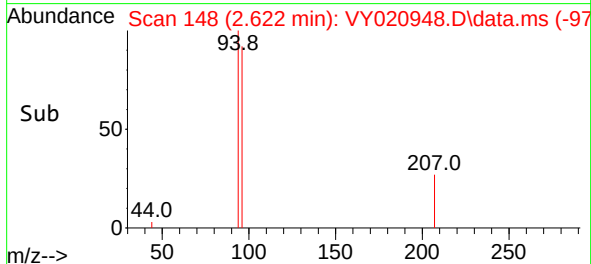
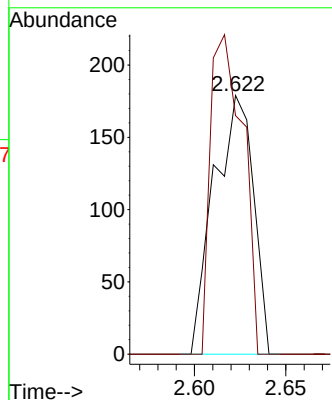
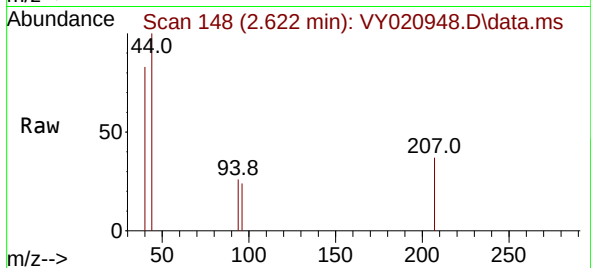




#5
Bromomethane
Concen: 7.549 ug/l
RT: 2.622 min Scan# 146
Delta R.T. 0.012 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

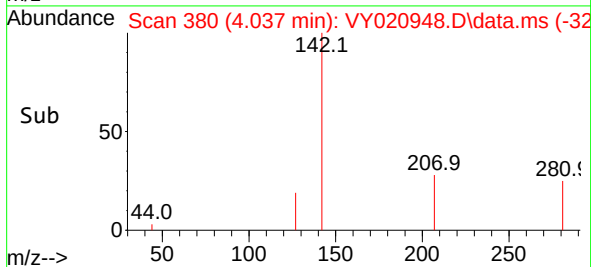
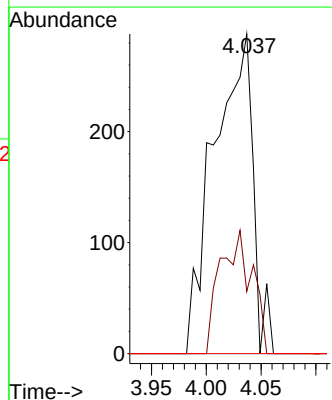
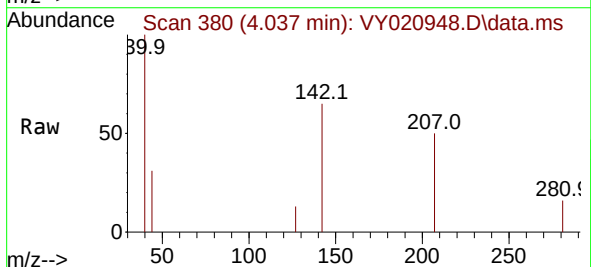
Instrument :
MSVOA_Y
ClientSampleId :

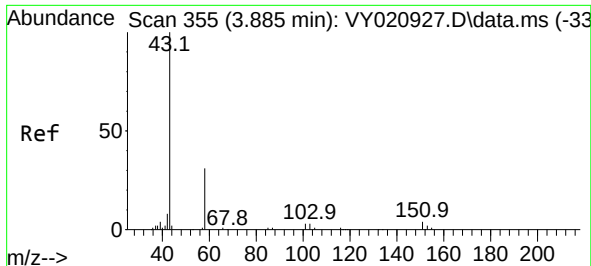
Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 92.2 72.6 109.0



#10
Methyl Iodide
Concen: 8.066 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.018 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

Tgt Ion:142 Resp: 709
Ion Ratio Lower Upper
142 100
127 31.5 37.3 55.9#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 24.704 ug/l

RT: 3.884 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

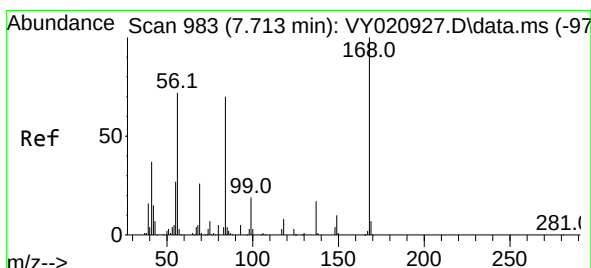
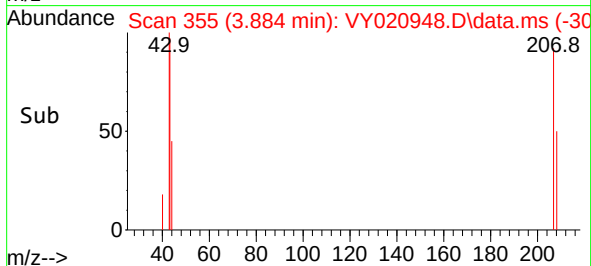
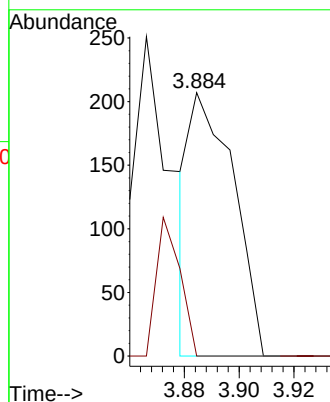
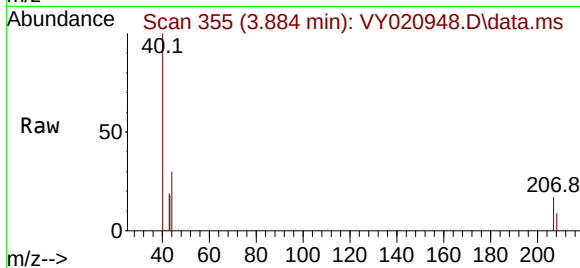
ClientSampleId :

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

43 100

58 0.0 25.6 38.4#



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.006 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

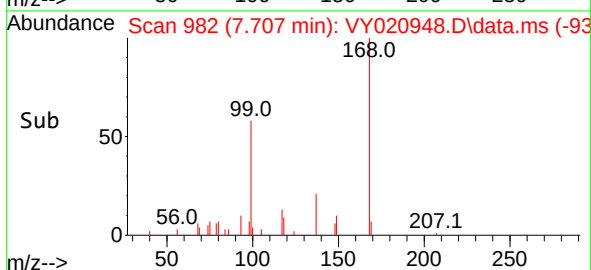
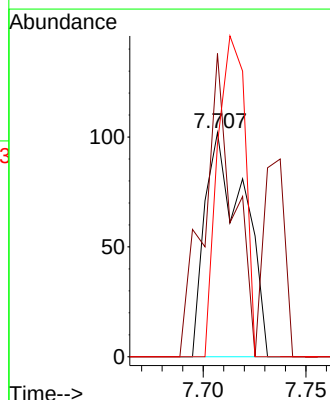
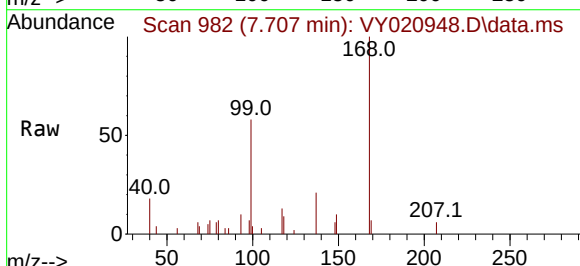
Tgt Ion: 56 Resp: 135

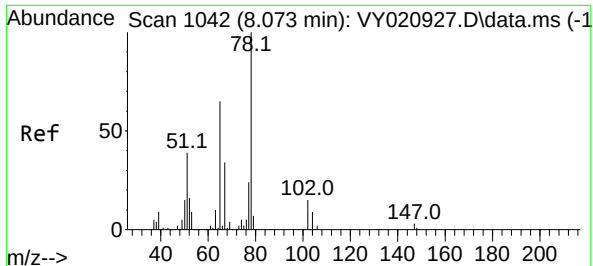
Ion Ratio Lower Upper

56 100

69 135.3 28.7 43.1#

84 95.1 77.4 116.0





#33

1,2-Dichloroethane-d4

Concen: 48.628 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

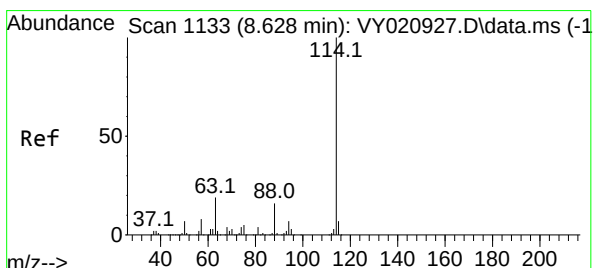
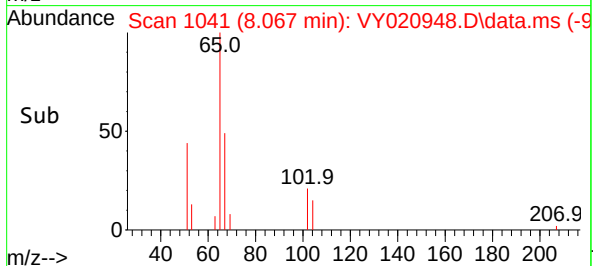
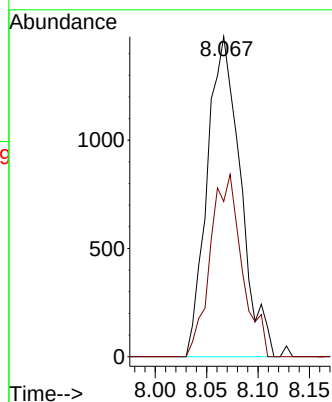
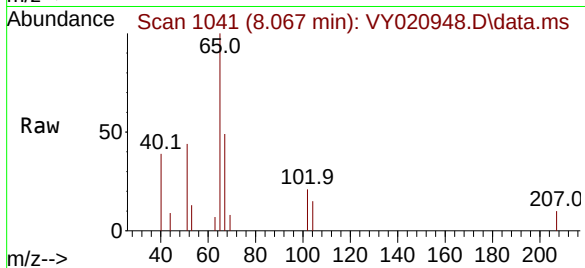
ClientSampleId :

Tgt Ion: 65 Resp: 3327

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

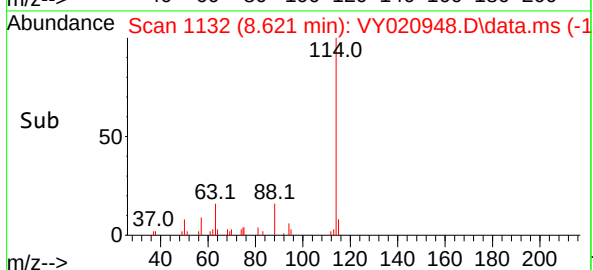
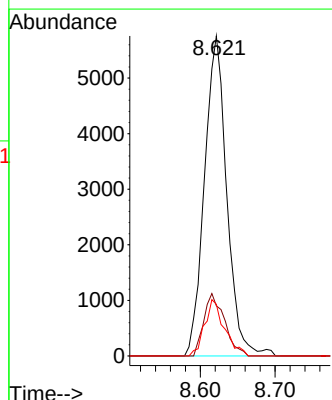
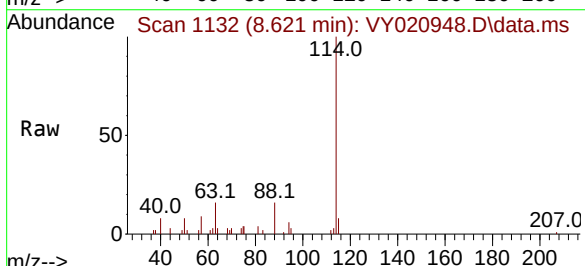
Tgt Ion:114 Resp: 11963

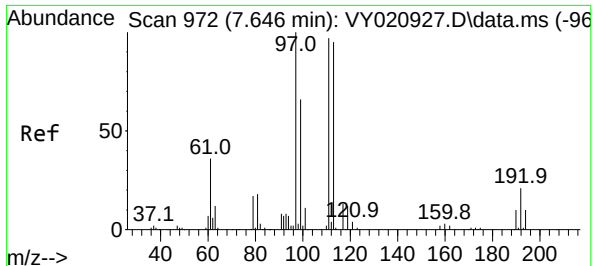
Ion Ratio Lower Upper

114 100

63 15.6 0.0 38.4

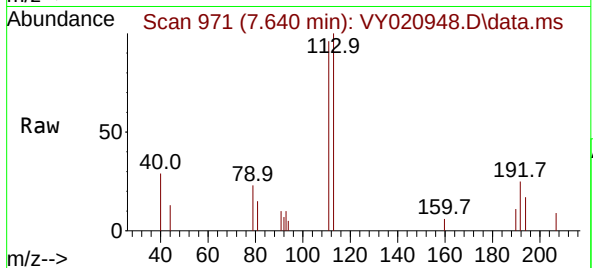
88 16.1 0.0 31.6



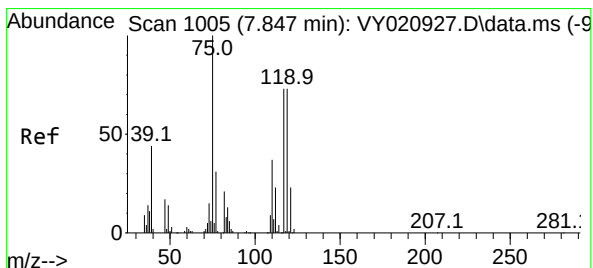
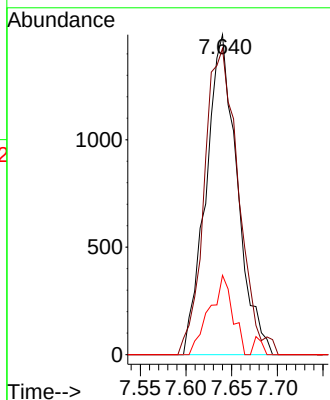
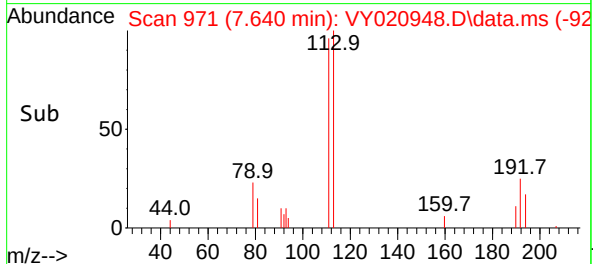


#35
Dibromofluoromethane
Concen: 51.545 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

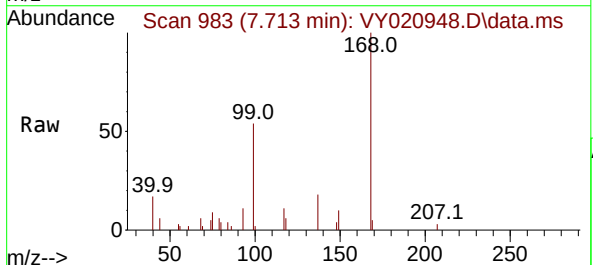
Instrument :
MSVOA_Y
ClientSampleId :



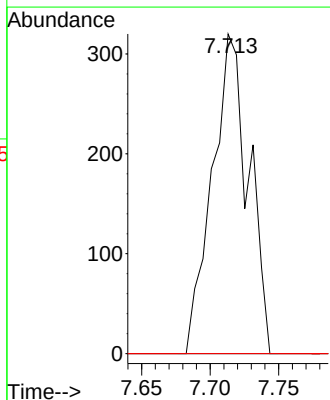
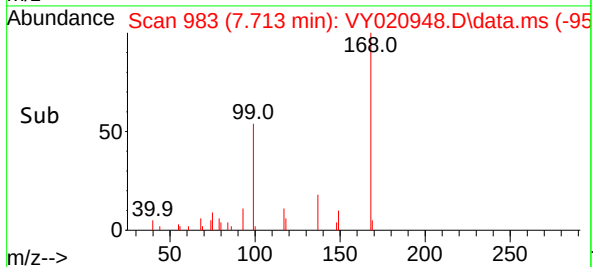
Tgt Ion:113 Resp: 3540
Ion Ratio Lower Upper
113 100
111 104.2 82.3 123.5
192 18.3 17.4 26.2

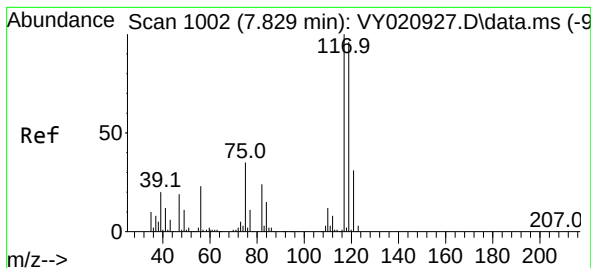


#36
1,1-Dichloropropene
Concen: 6.164 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.134 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10



Tgt Ion: 75 Resp: 591
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 7.800 ug/l

RT: 7.713 min Scan# 90

Delta R.T. -0.116 min

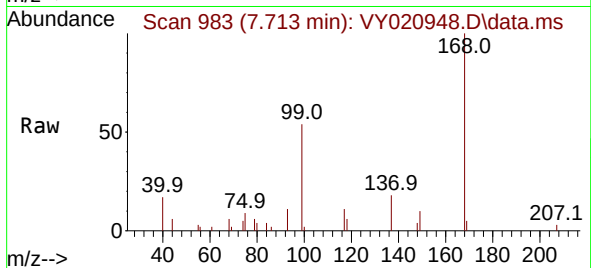
Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :



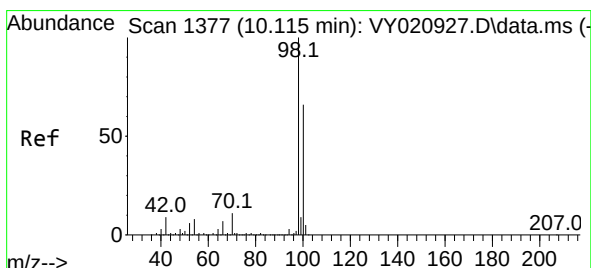
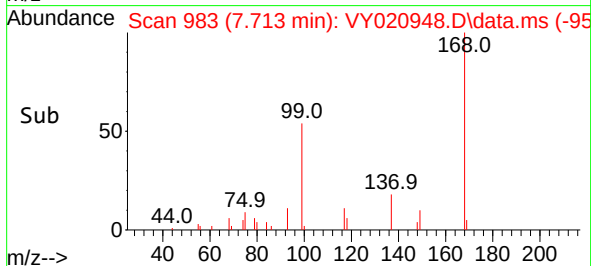
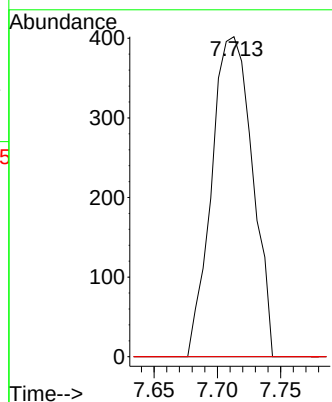
Tgt Ion:117 Resp: 902

Ion Ratio Lower Upper

117 100

119 0.0 76.5 114.7#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 40.809 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VY020948.D

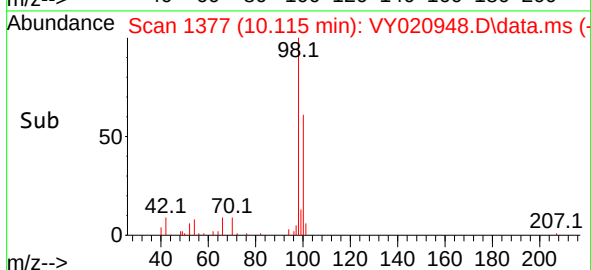
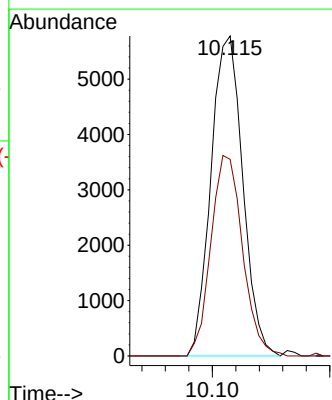
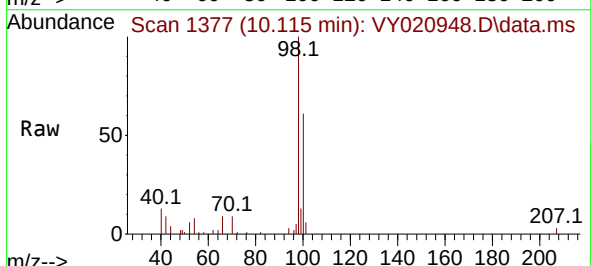
Acq: 27 Jan 2025 15:10

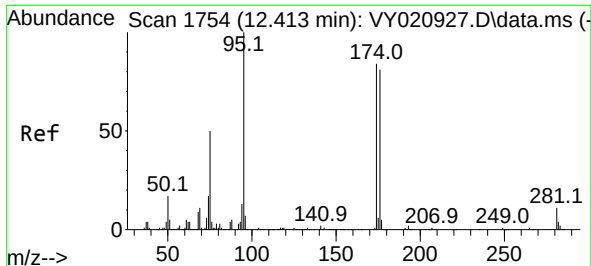
Tgt Ion: 98 Resp: 10871

Ion Ratio Lower Upper

98 100

100 62.3 52.3 78.5

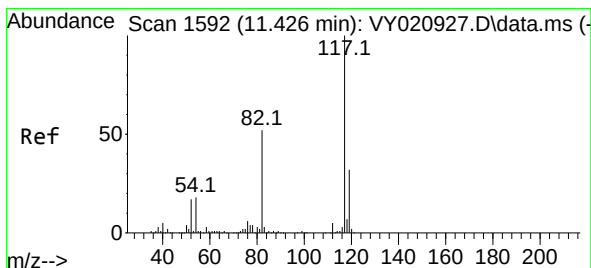
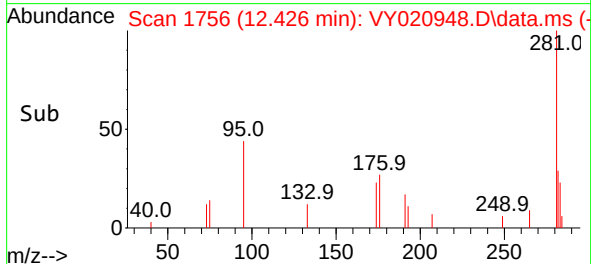
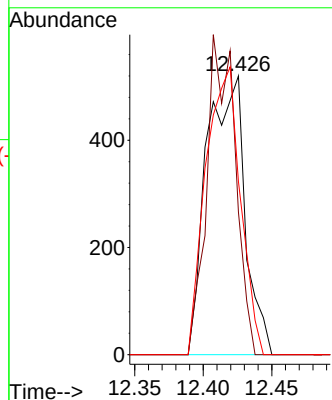
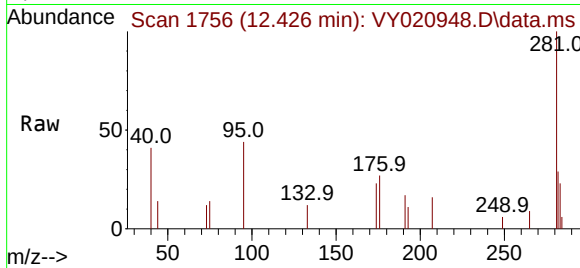




#62
4-Bromofluorobenzene
Concen: 11.381 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.012 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

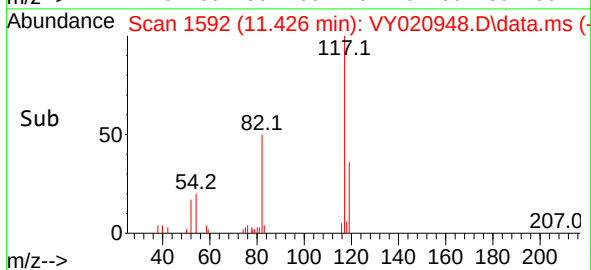
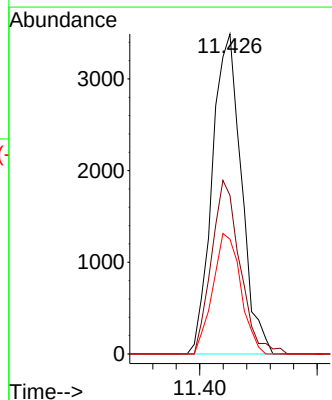
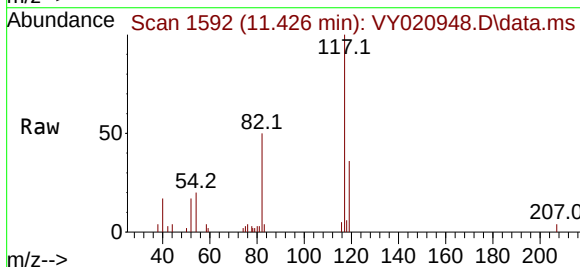
Instrument :
MSVOA_Y
ClientSampleId :

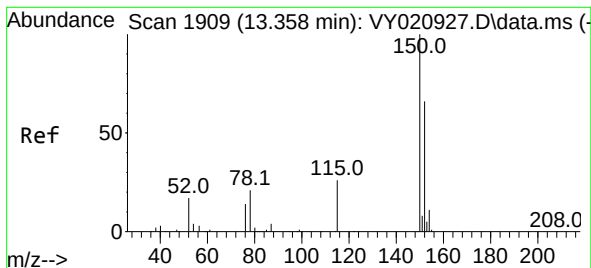
Tgt Ion: 95 Resp: 1009
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.4
176 93.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. -0.000 min
Lab File: VY020948.D
Acq: 27 Jan 2025 15:10

Tgt Ion: 117 Resp: 6018
Ion Ratio Lower Upper
117 100
82 49.6 41.8 62.8
119 35.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1909

Delta R.T. -0.006 min

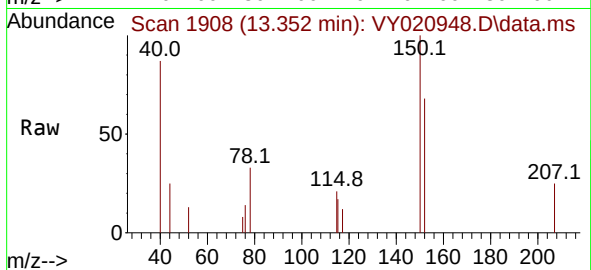
Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :



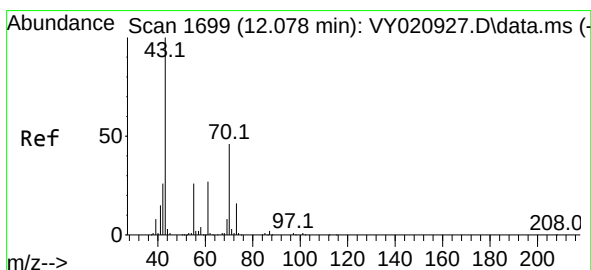
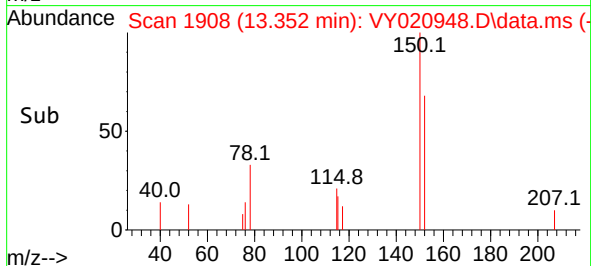
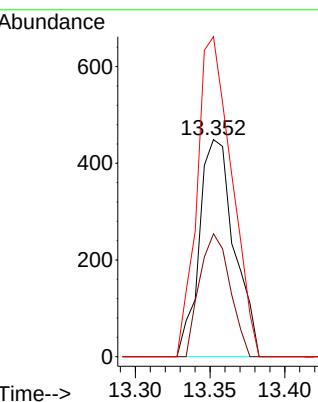
Tgt Ion:152 Resp: 729

Ion Ratio Lower Upper

152 100

115 49.2 29.0 87.0

150 146.5 0.0 347.6



#74

N-ethyl acetate

Concen: 2.239 ug/l

RT: 11.798 min Scan# 1653

Delta R.T. -0.280 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Tgt Ion: 43 Resp: 20

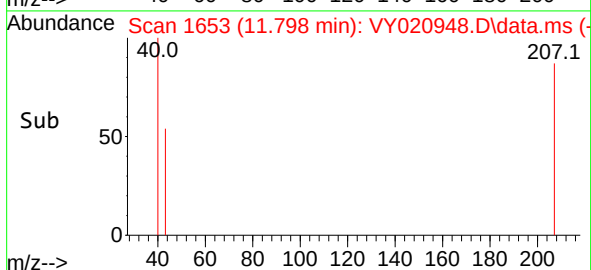
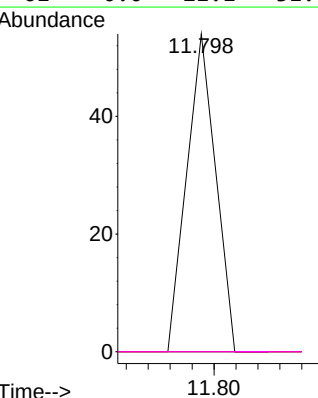
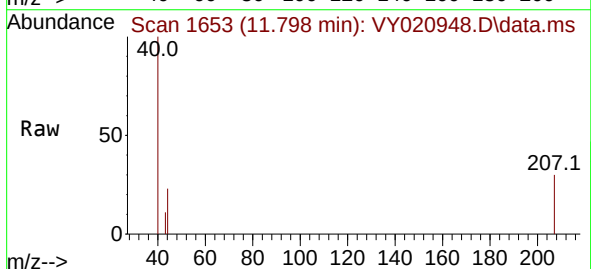
Ion Ratio Lower Upper

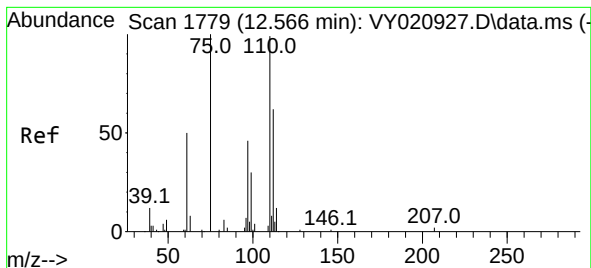
43 100

70 0.0 38.7 58.1#

55 0.0 21.6 32.4#

61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 105.349 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.146 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

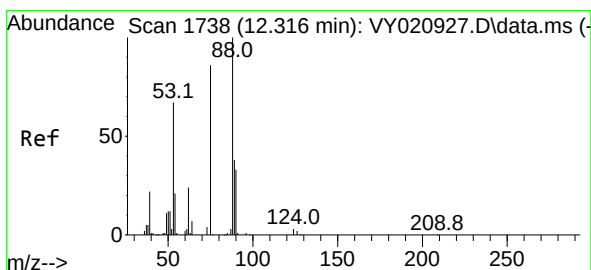
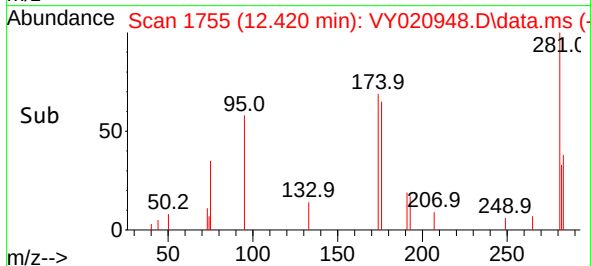
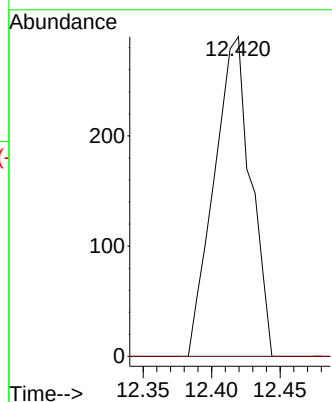
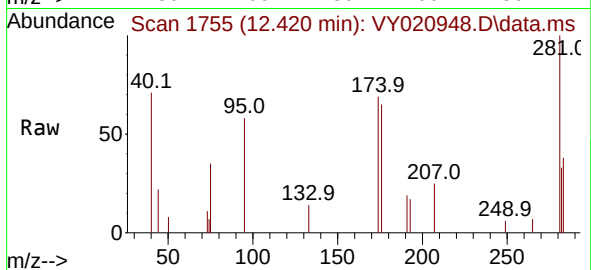
ClientSampleId :

Tgt Ion: 75 Resp: 543

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 203.533 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. 0.104 min

Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

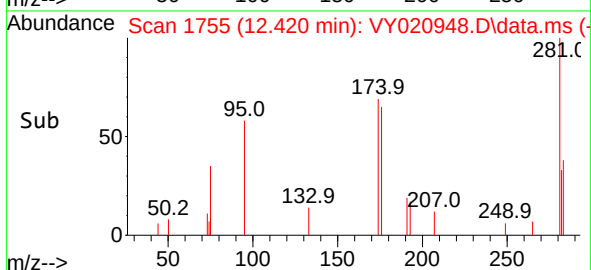
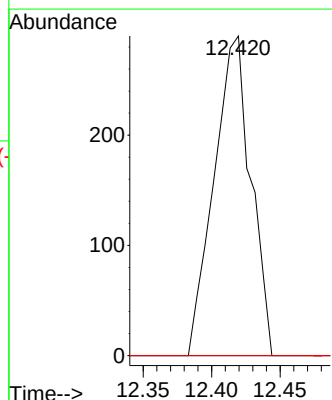
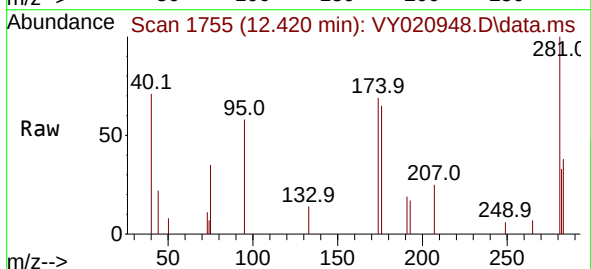
Tgt Ion: 75 Resp: 543

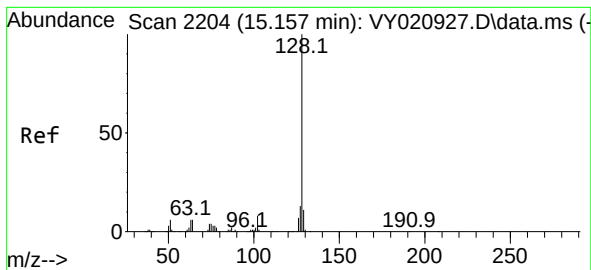
Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

89 0.0 38.4 57.6#





#95

Naphthalene

Concen: 27.342 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.006 min

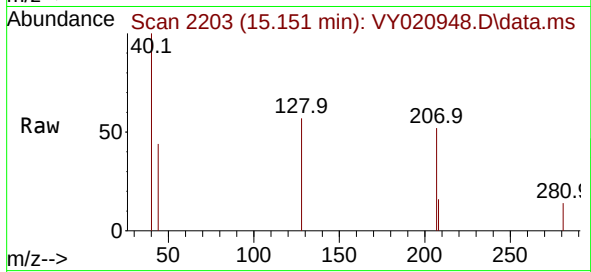
Lab File: VY020948.D

Acq: 27 Jan 2025 15:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 515

Ion Ratio Lower Upper

128 100

127 4.5 10.3 15.5#

129 0.0 8.8 13.2#

