

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020964.D
 Acq On : 29 Jan 2025 12:33
 Operator : SY/MD
 Sample : Q1209-07
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 30 00:35:08 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)

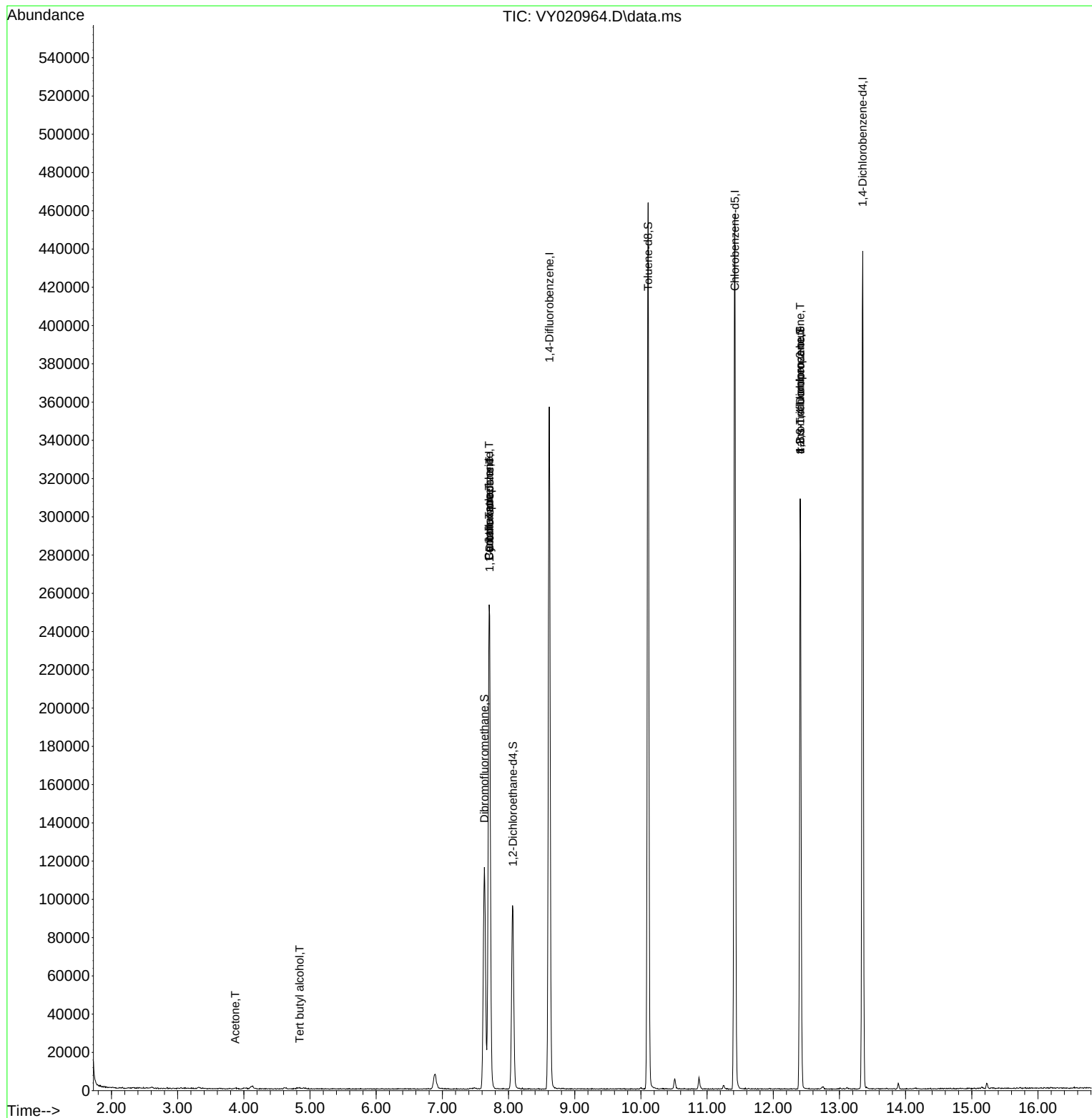
Internal Standards						
1) Pentafluorobenzene	7.707	168	209545	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.615	114	317715	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	262216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	117436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	78332	46.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.780%		
35) Dibromofluoromethane	7.634	113	82544	45.256	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.520%		
50) Toluene-d8	10.109	98	305408	43.169	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.340%		
62) 4-Bromofluorobenzene	12.407	95	94280	40.042	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.080%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	555	4.303	ug/l #	74
16) Acetone	3.872	43	752	3.322	ug/l #	73
31) Cyclohexane	7.707	56	3763	1.265	ug/l #	6
36) 1,1-Dichloropropene	7.713	75	14472	5.683	ug/l #	49
38) Carbon Tetrachloride	7.707	117	19412	6.321	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	47576	57.299	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	47576	110.700	ug/l #	15

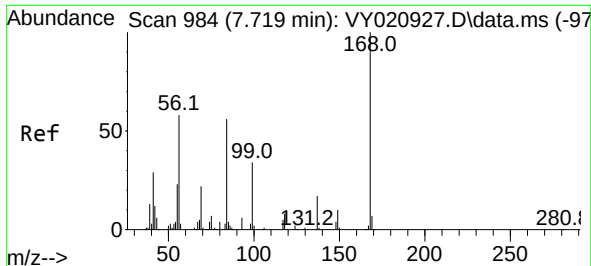
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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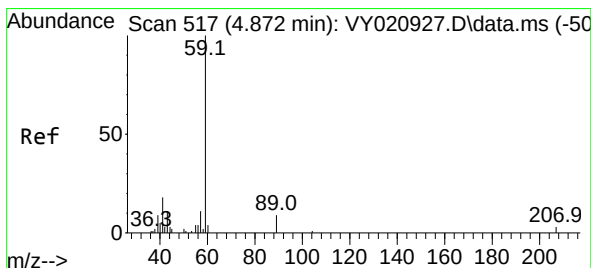
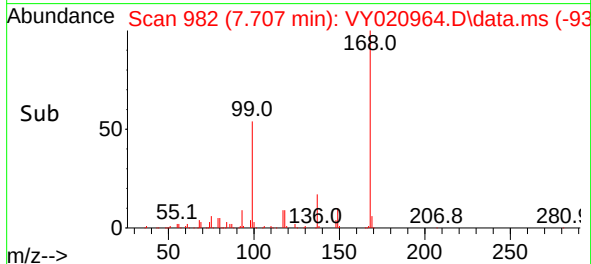
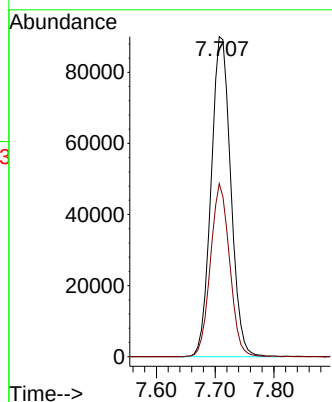
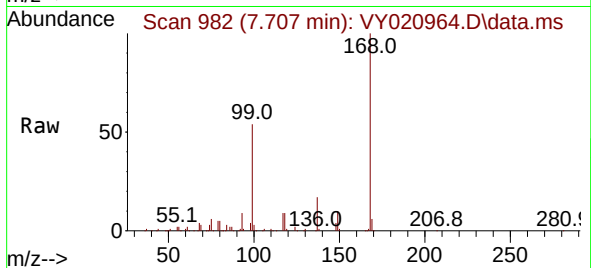




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

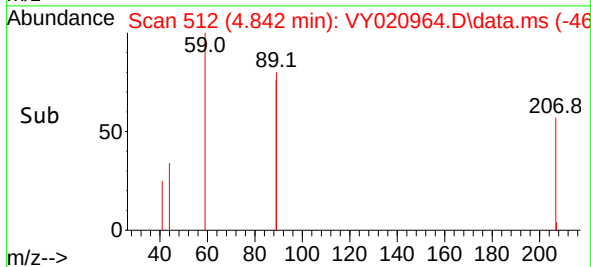
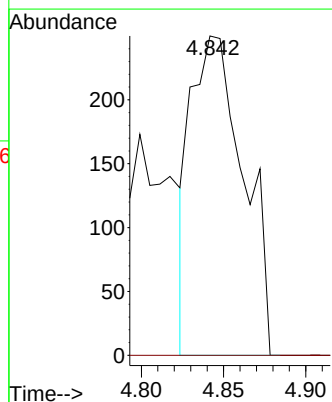
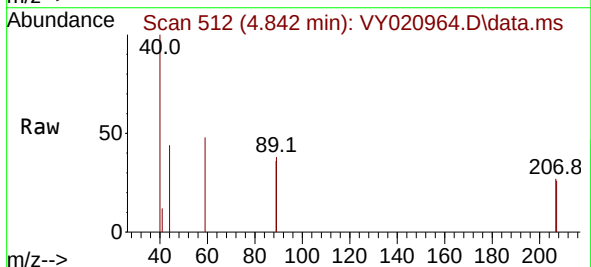
Instrument :
MSVOA_Y
ClientSampleId :

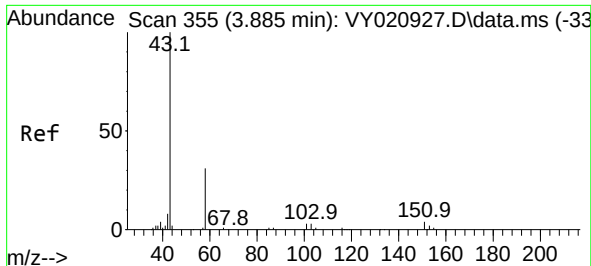
Tgt Ion:168 Resp: 209545
Ion Ratio Lower Upper
168 100
99 54.0 43.0 64.6



#11
Tert butyl alcohol
Concen: 4.303 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

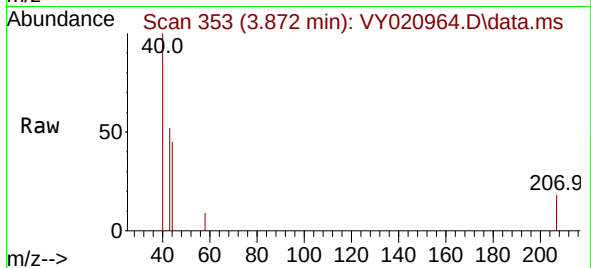
Tgt Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



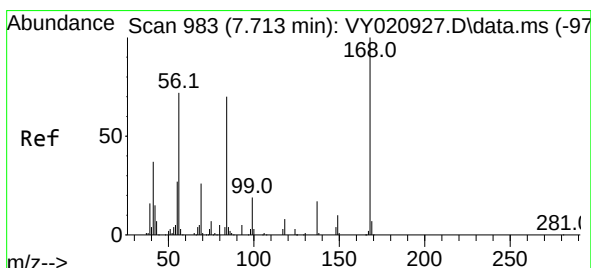
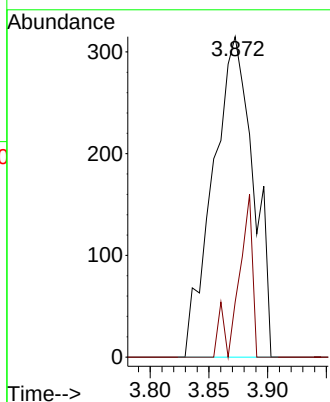
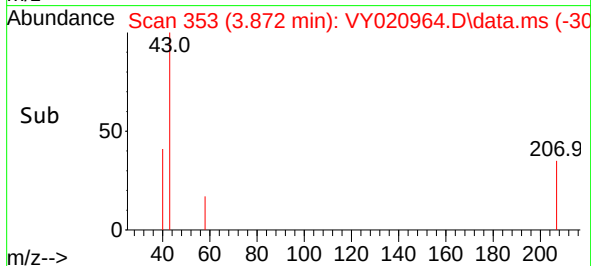


#16
Acetone
Concen: 3.322 ug/l
RT: 3.872 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

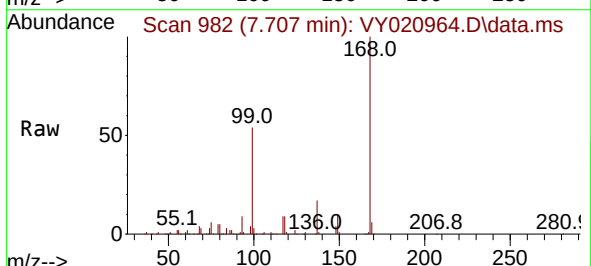
Instrument :
MSVOA_Y
ClientSampleId :



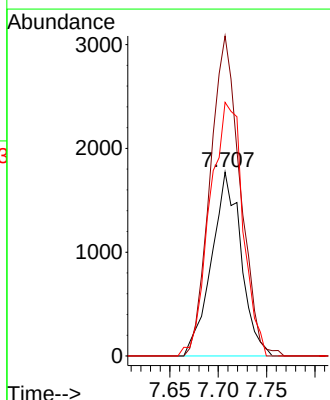
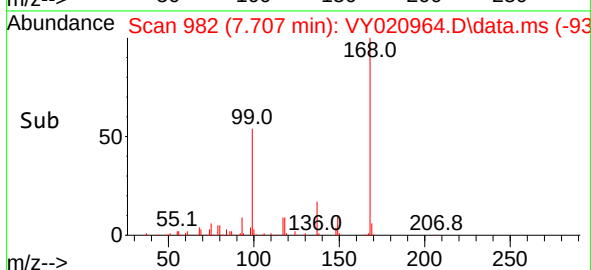
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 17.1 25.6 38.4#

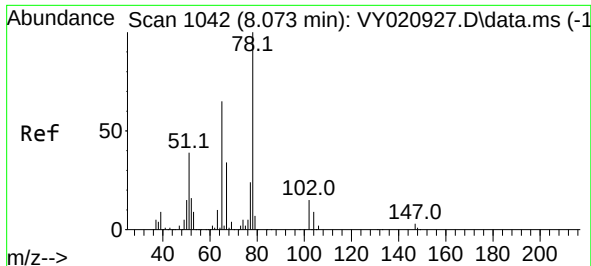


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33



Tgt Ion: 56 Resp: 3763
Ion Ratio Lower Upper
56 100
69 174.1 28.7 43.1#
84 138.0 77.4 116.0#





#33

1,2-Dichloroethane-d4

Concen: 46.885 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020964.D

Acq: 29 Jan 2025 12:33

Instrument :

MSVOA_Y

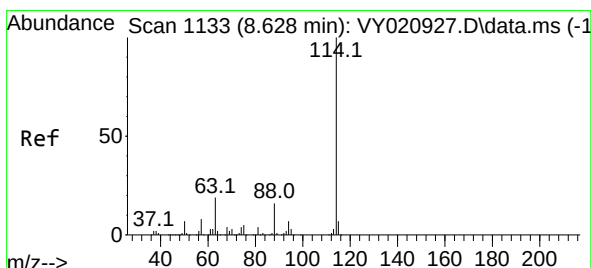
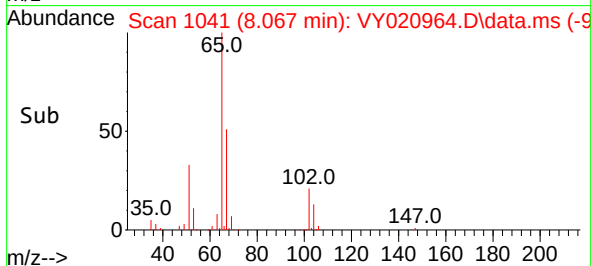
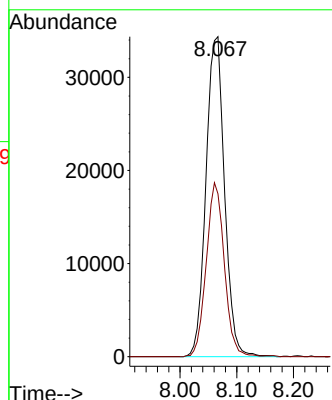
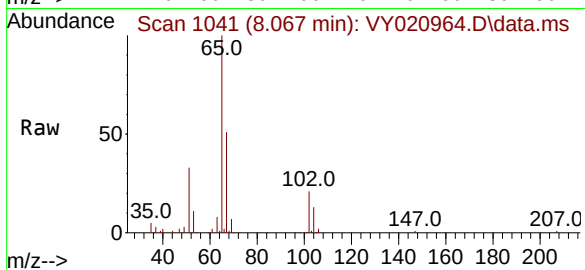
ClientSampleId :

Tgt Ion: 65 Resp: 78332

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020964.D

Acq: 29 Jan 2025 12:33

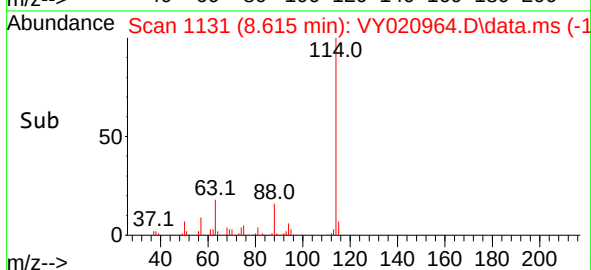
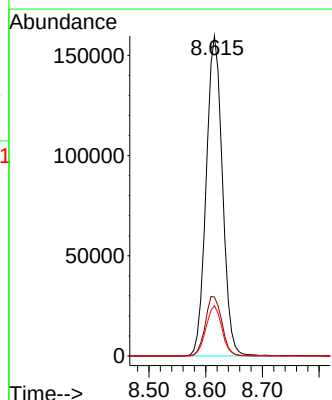
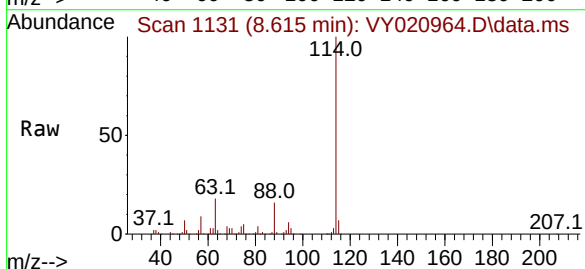
Tgt Ion: 114 Resp: 317715

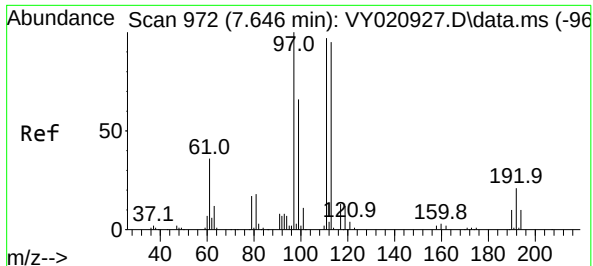
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

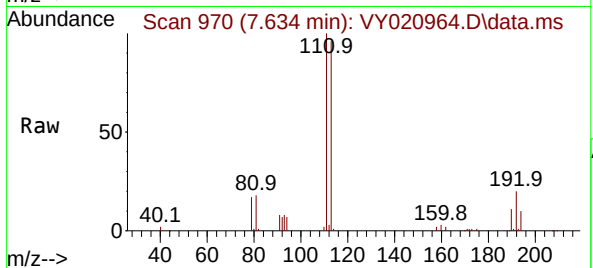
88 15.7 0.0 31.6



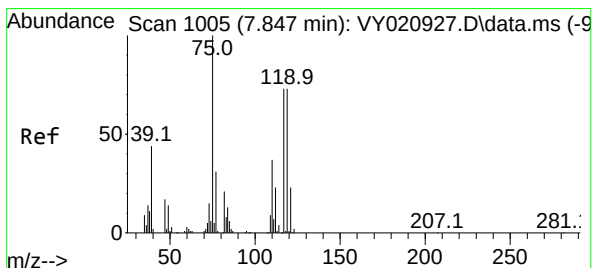
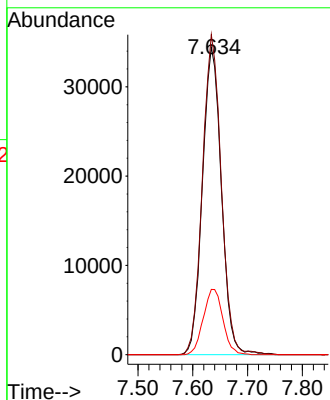
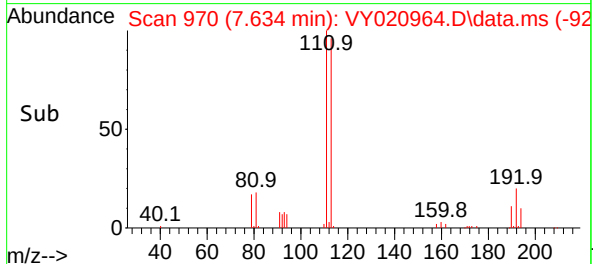


#35
Dibromofluoromethane
Concen: 45.256 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

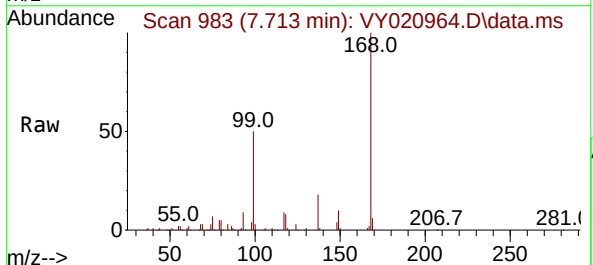
Instrument :
MSVOA_Y
ClientSampleId :



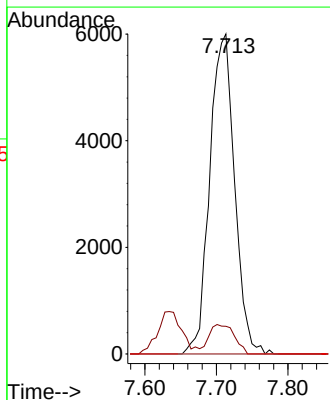
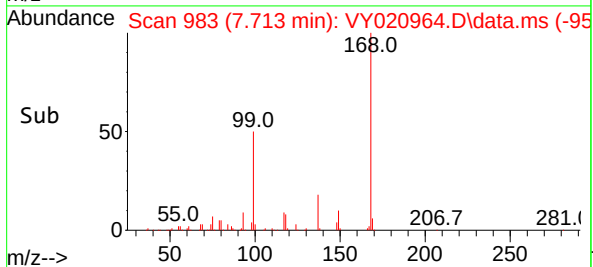
Tgt Ion:113 Resp: 82544
Ion Ratio Lower Upper
113 100
111 103.7 82.3 123.5
192 22.0 17.4 26.2

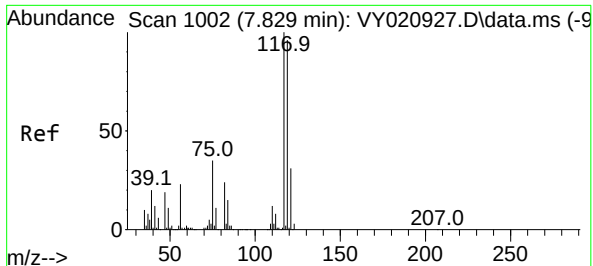


#36
1,1-Dichloropropene
Concen: 5.683 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.134 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33



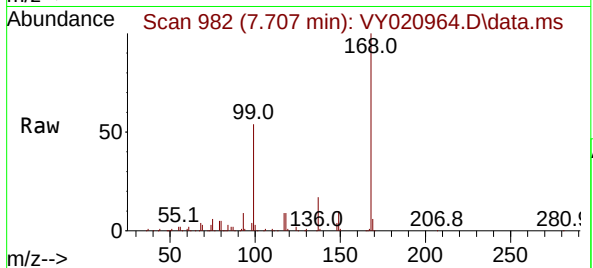
Tgt Ion: 75 Resp: 14472
Ion Ratio Lower Upper
75 100
110 9.3 18.5 55.5#
77 0.0 25.0 37.4#



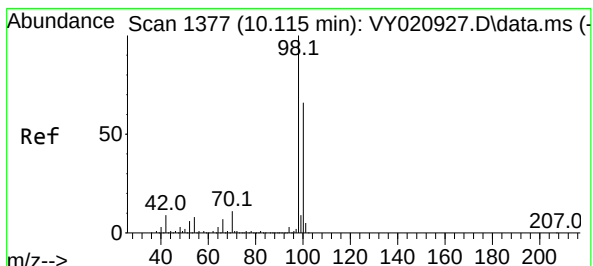
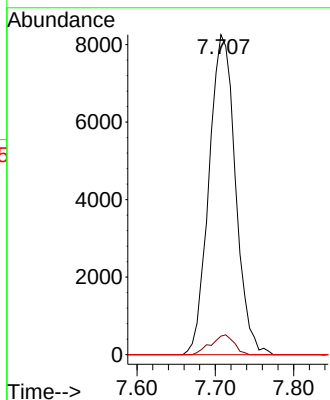
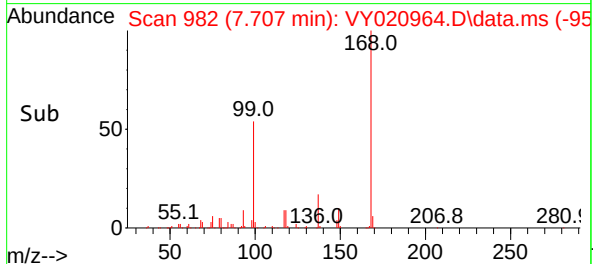


#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

Instrument :
MSVOA_Y
ClientSampleId :

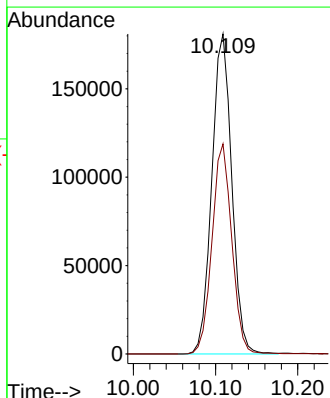
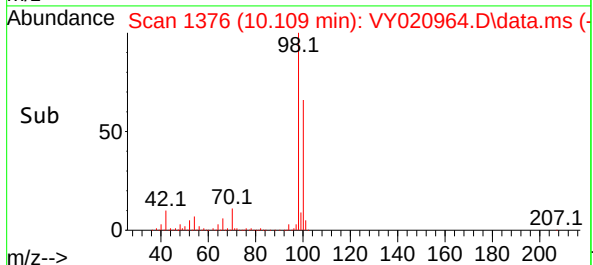
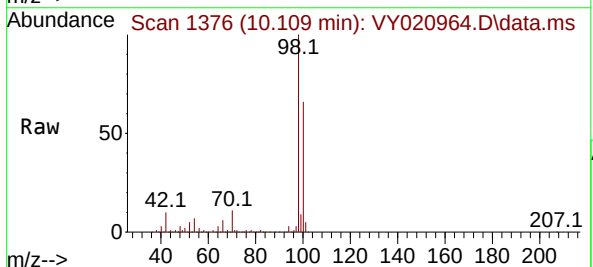


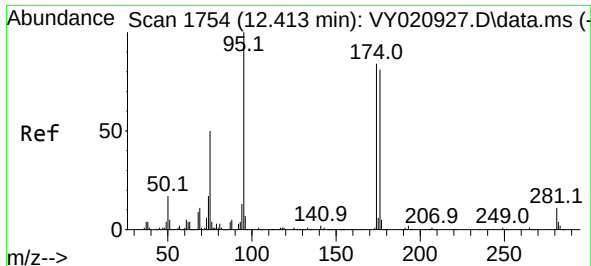
Tgt Ion:117 Resp: 19412
Ion Ratio Lower Upper
117 100
119 5.8 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 43.169 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

Tgt Ion: 98 Resp: 305408
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

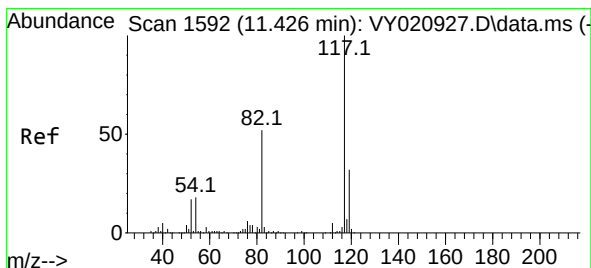
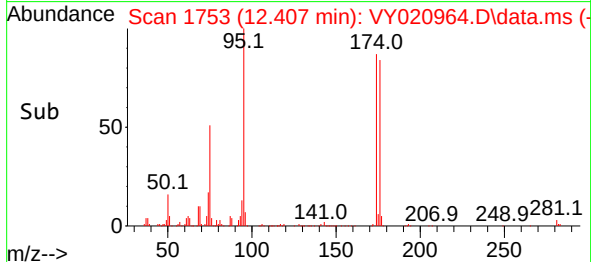
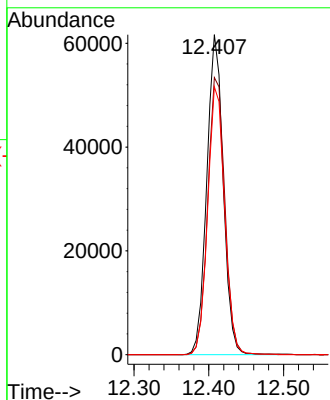
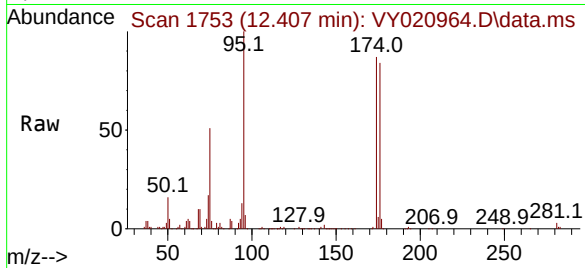




#62
4-Bromofluorobenzene
Concen: 40.042 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

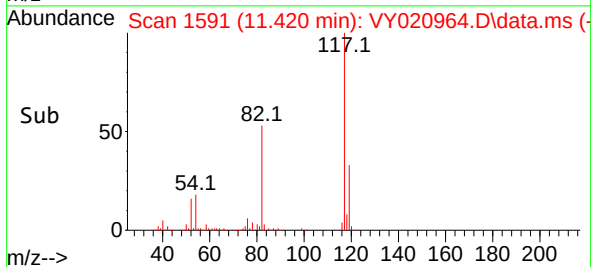
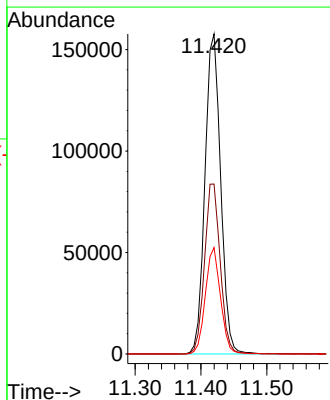
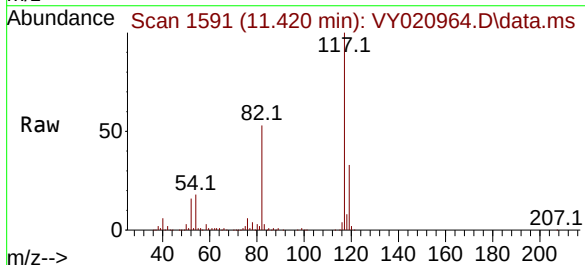
Instrument :
MSVOA_Y
ClientSampleId :

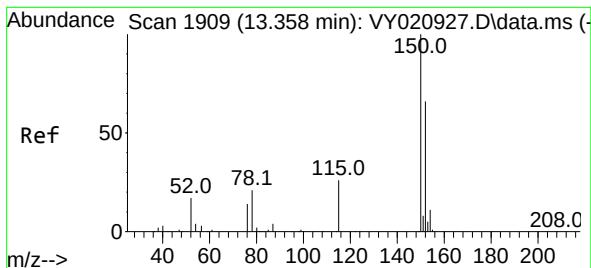
Tgt Ion: 95 Resp: 94280
Ion Ratio Lower Upper
95 100
174 90.6 0.0 177.4
176 86.4 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020964.D
Acq: 29 Jan 2025 12:33

Tgt Ion: 117 Resp: 262216
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 33.2 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: VY020964.D

Acq: 29 Jan 2025 12:33

Instrument :

MSVOA_Y

ClientSampleId :

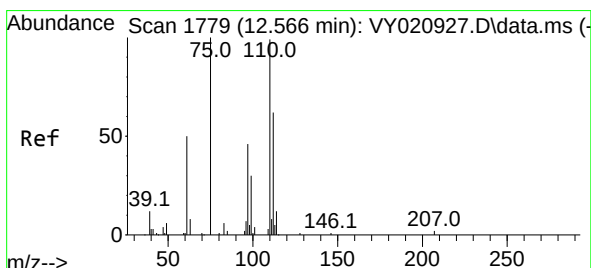
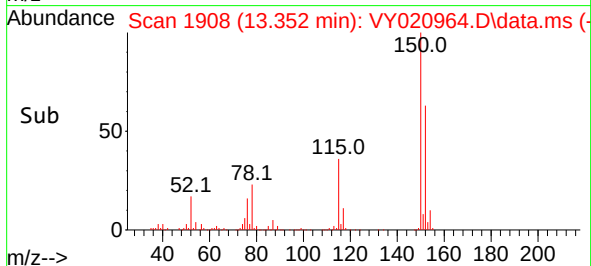
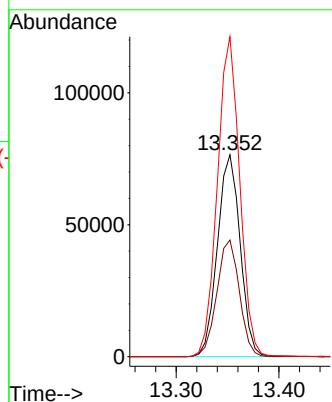
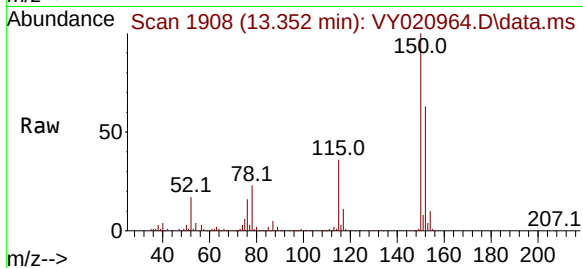
Tgt Ion:152 Resp: 117436

Ion Ratio Lower Upper

152 100

115 57.4 29.0 87.0

150 155.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 57.299 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.158 min

Lab File: VY020964.D

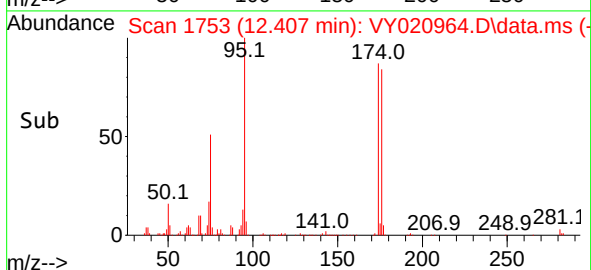
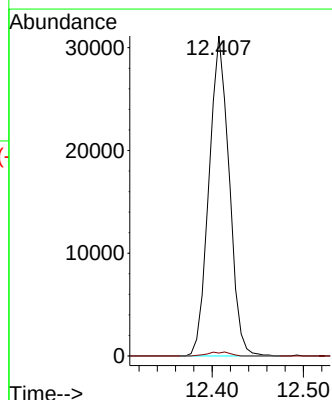
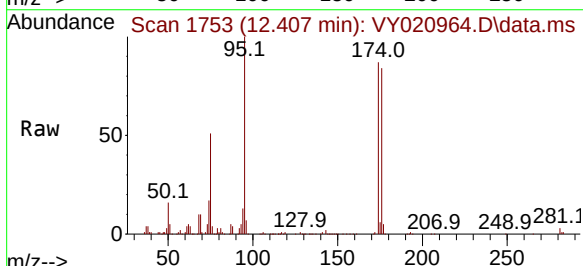
Acq: 29 Jan 2025 12:33

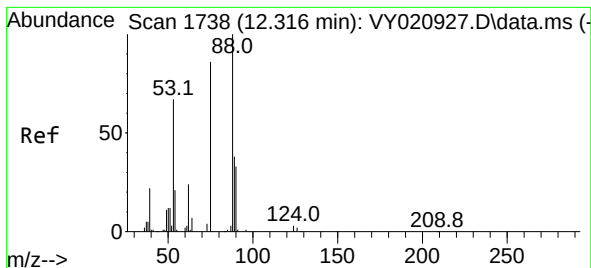
Tgt Ion: 75 Resp: 47576

Ion Ratio Lower Upper

75 100

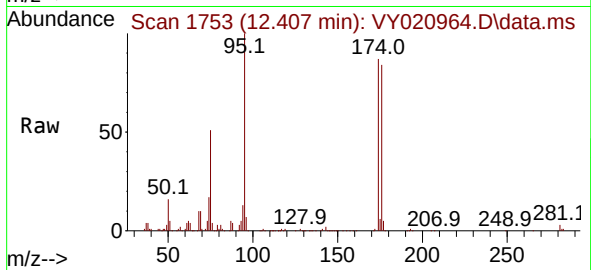
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.700 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.091 min
 Lab File: VY020964.D
 Acq: 29 Jan 2025 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 47576
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.0 38.4 57.6#

