

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020883.D
 Acq On : 20 Jan 2025 16:10
 Operator : SY/MD
 Sample : Q1110-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:43:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

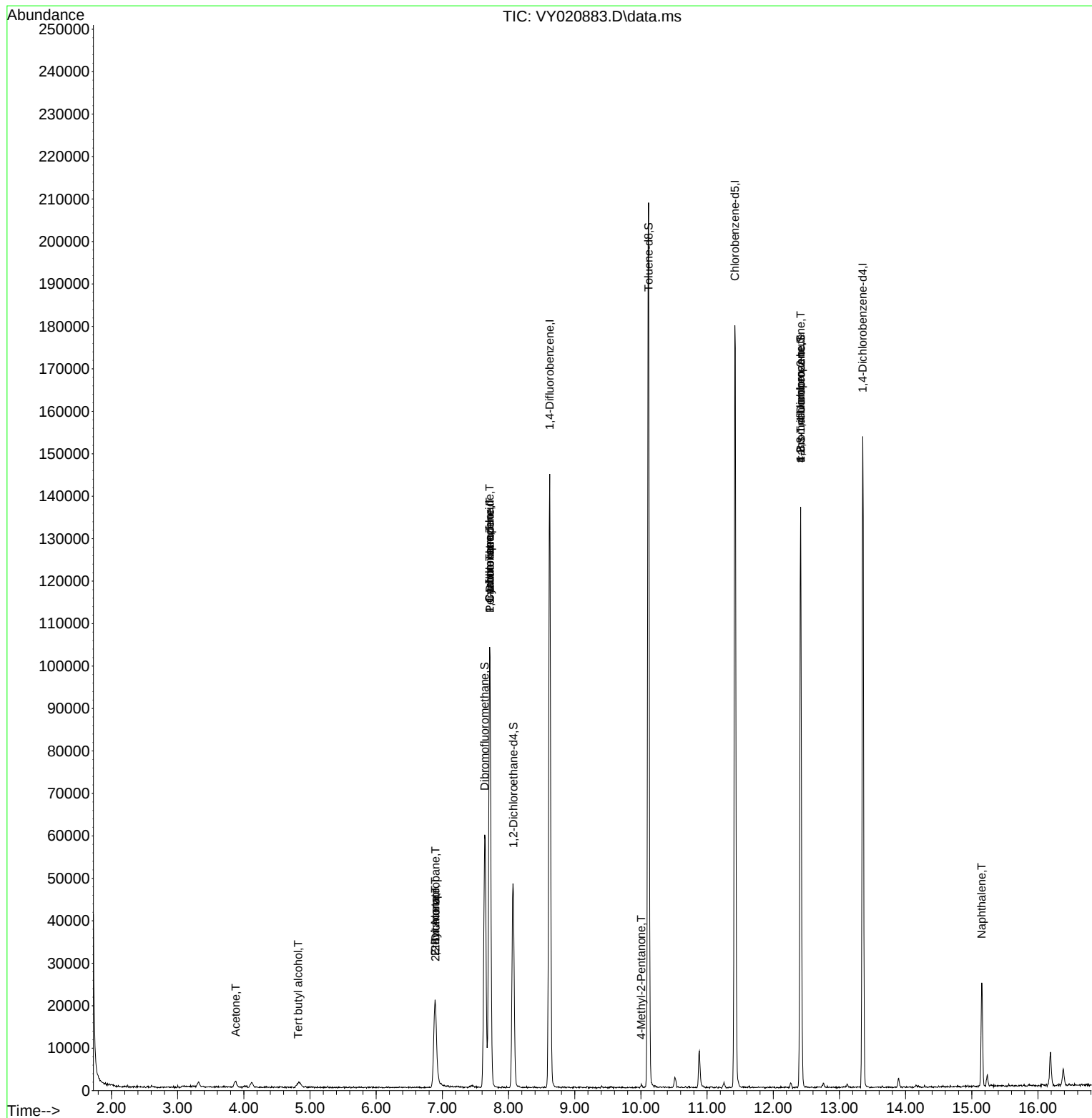
Internal Standards						
1) Pentafluorobenzene	7.719	168	85017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	127478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	104605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	41473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	40117	55.516	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.040%			
35) Dibromofluoromethane	7.640	113	43395	54.336	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.680%			
50) Toluene-d8	10.115	98	140284	50.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.414	95	41087	39.964	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 79.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.824	59	1458	26.702	ug/l #	73
16) Acetone	3.879	43	2544	24.757	ug/l #	85
25) 2-Butanone	6.890	43	744	4.408	ug/l #	75
26) 2,2-Dichloropropane	6.896	77	1622	1.162	ug/l #	53
31) Cyclohexane	7.713	56	1551	1.475	ug/l #	12
36) 1,1-Dichloropropene	7.719	75	5944	5.835	ug/l #	51
37) Ethyl Acetate	6.890	43	744	1.835	ug/l #	1
38) Carbon Tetrachloride	7.713	117	8342	5.883	ug/l #	18
51) 4-Methyl-2-Pentanone	10.006	43	538	1.306	ug/l	99
76) 1,2,3-Trichloropropane	12.414	75	20426	56.289	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	20426	118.686	ug/l #	14
95) Naphthalene	15.151	128	21191	17.360	ug/l	98

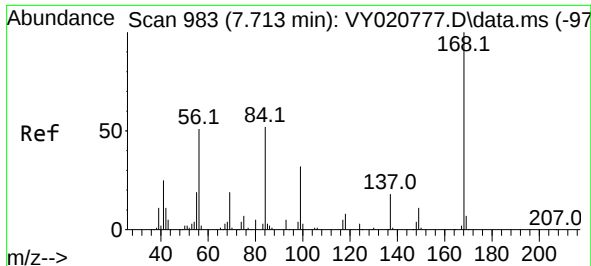
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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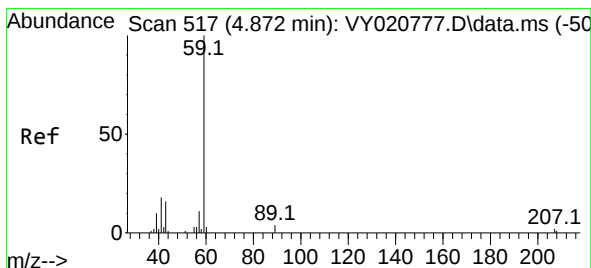
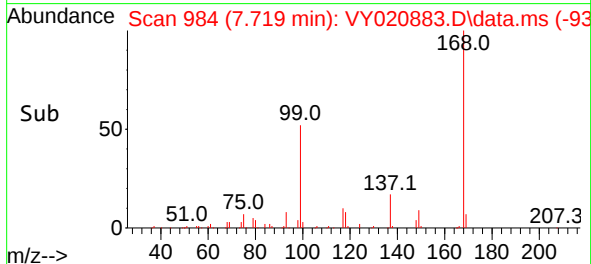
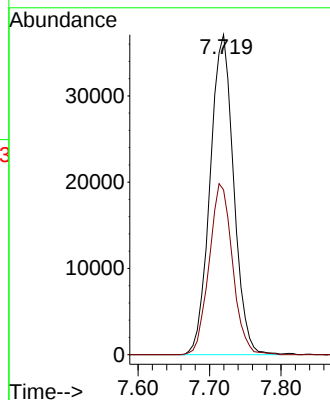
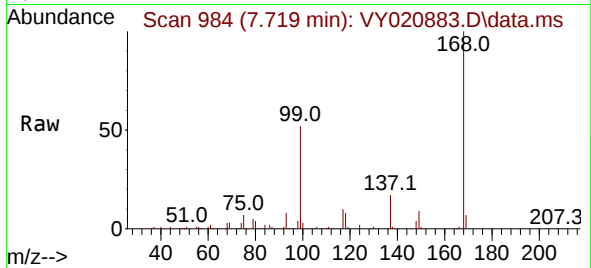




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

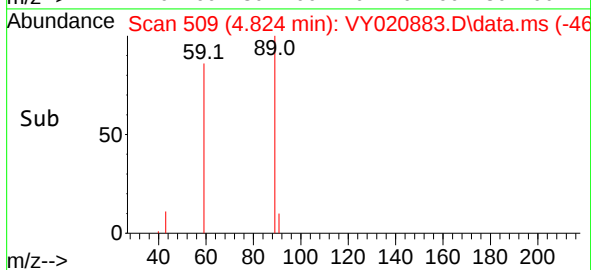
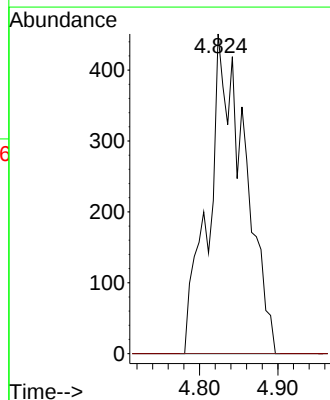
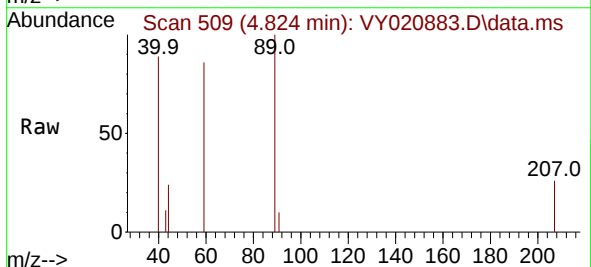
Instrument :
MSVOA_Y
ClientSampleId :

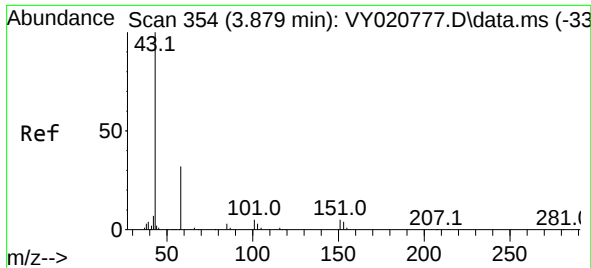
Tgt Ion:168 Resp: 85017
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 26.702 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.049 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 59 Resp: 1458
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

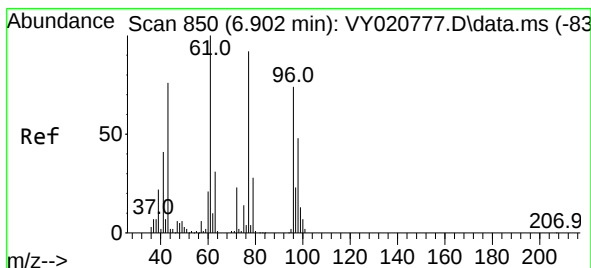
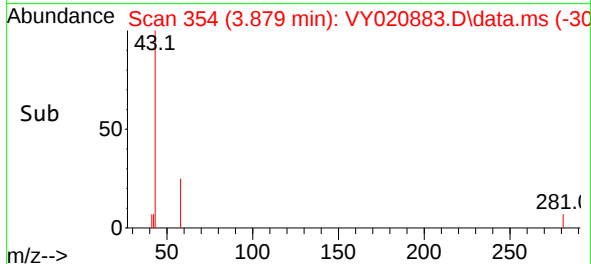
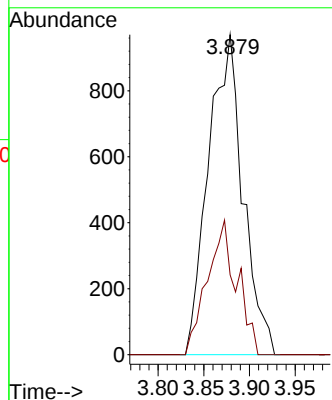
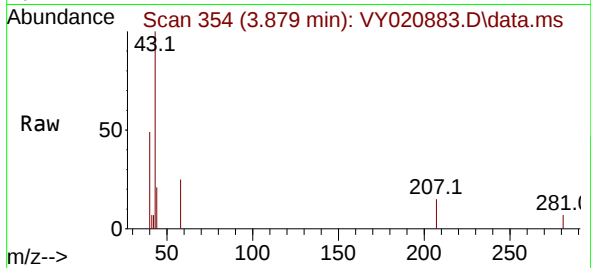




#16
Acetone
Concen: 24.757 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

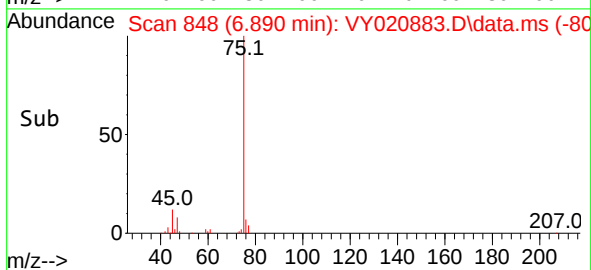
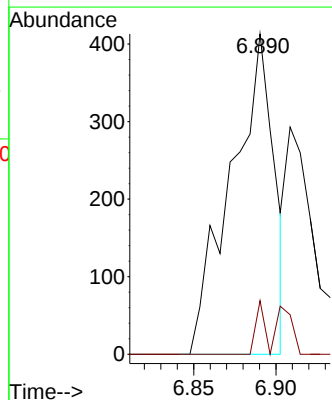
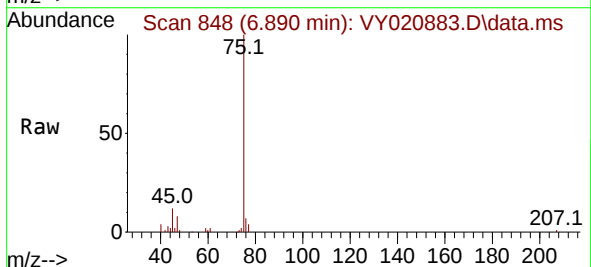
Instrument :
MSVOA_Y
ClientSampleId :

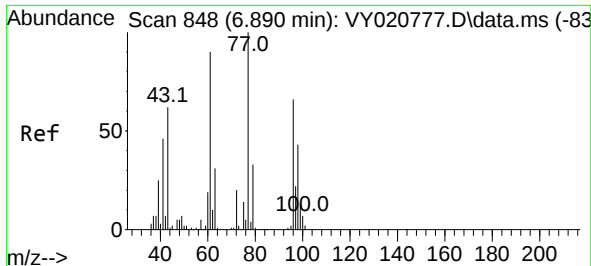
Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
58 24.9 26.7 40.1#



#25
2-Butanone
Concen: 4.408 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
72 16.7 24.0 36.0#





#26

2,2-Dichloropropane

Concen: 1.162 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

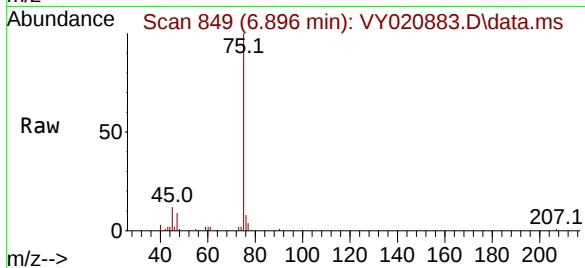
Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

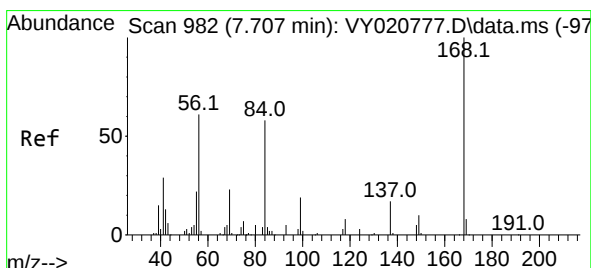
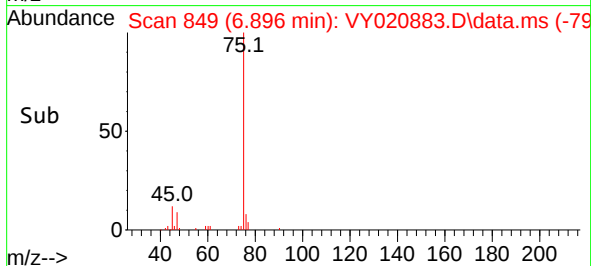
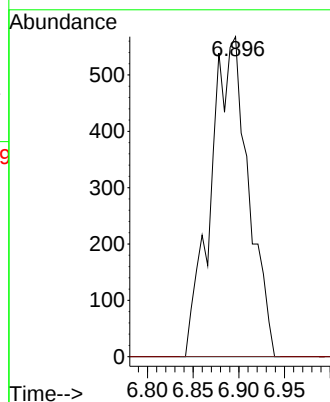


Tgt Ion: 77 Resp: 1622

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.8#



#31

Cyclohexane

Concen: 1.475 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

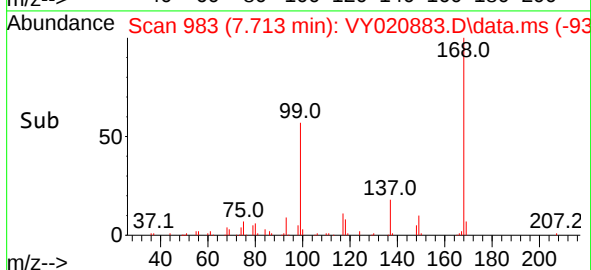
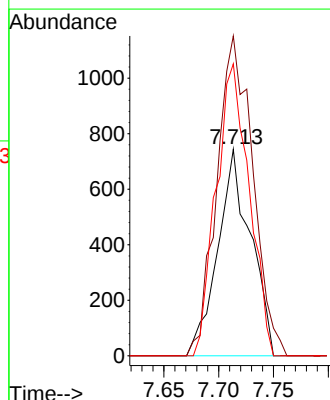
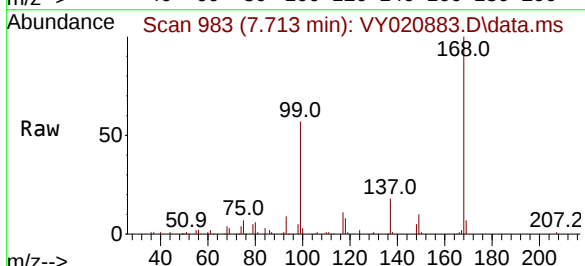
Tgt Ion: 56 Resp: 1551

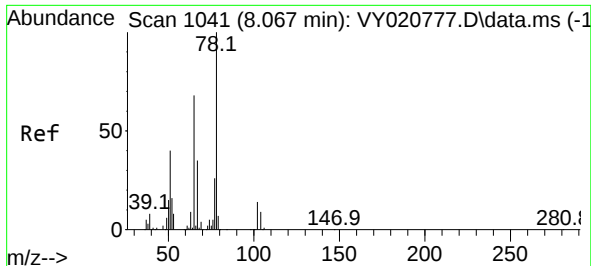
Ion Ratio Lower Upper

56 100

69 154.8 30.5 45.7#

84 141.4 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 55.516 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

Instrument :

MSVOA_Y

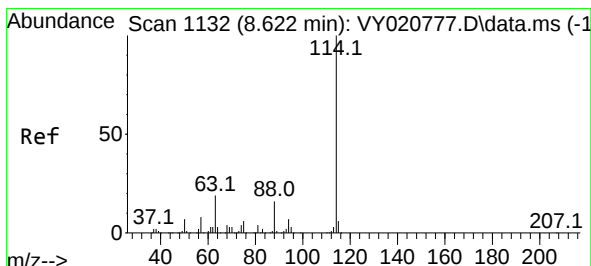
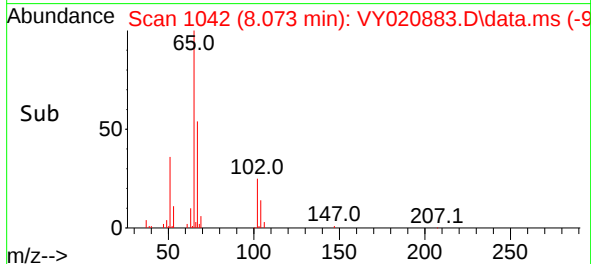
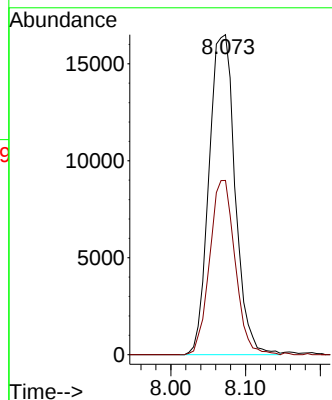
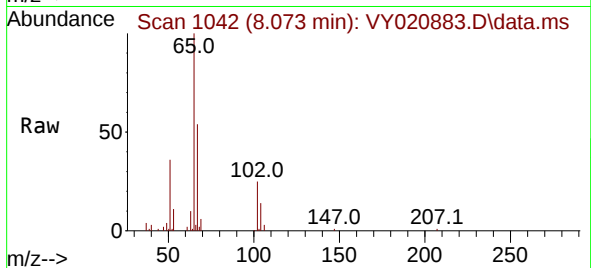
ClientSampleId :

Tgt Ion: 65 Resp: 40117

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY020883.D

Acq: 20 Jan 2025 16:10

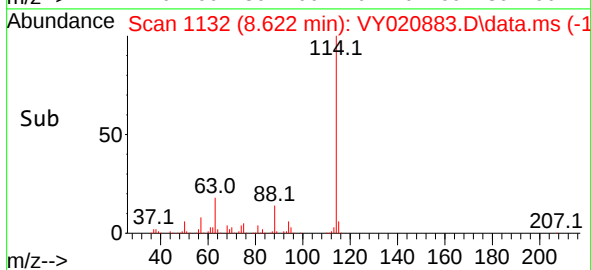
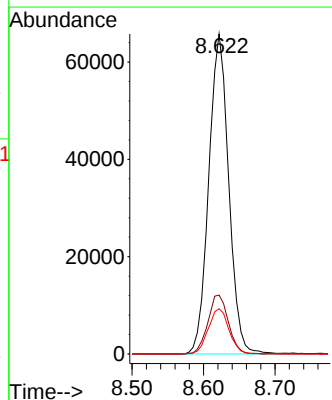
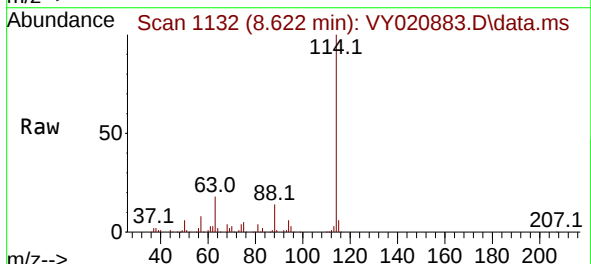
Tgt Ion: 114 Resp: 127478

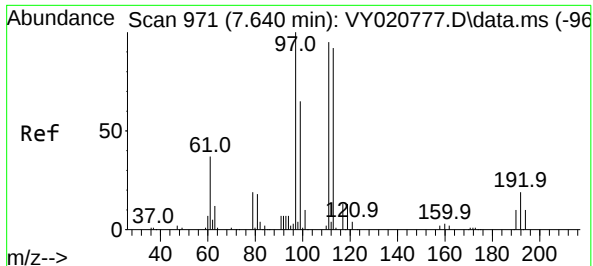
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

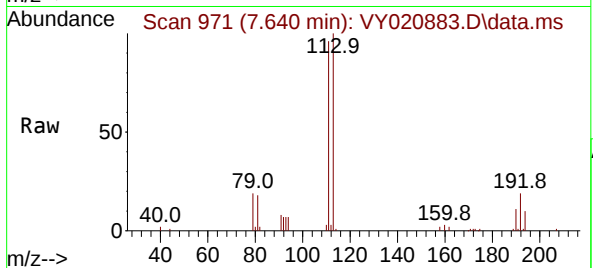
88 14.2 0.0 31.2



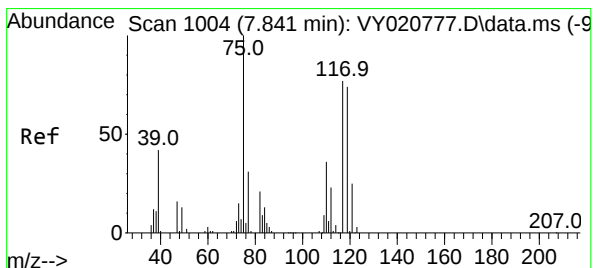
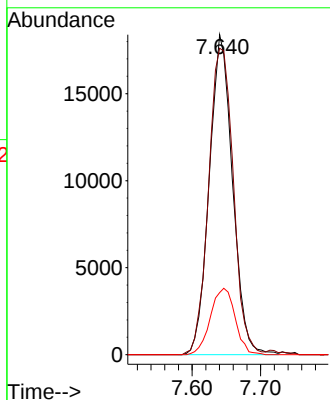
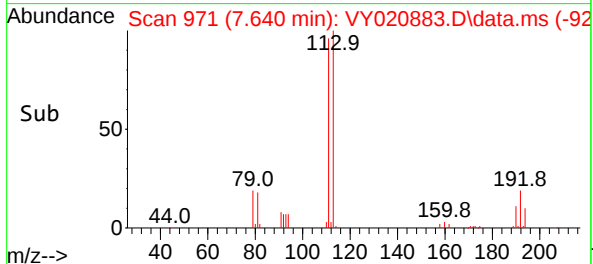


#35
Dibromofluoromethane
Concen: 54.336 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

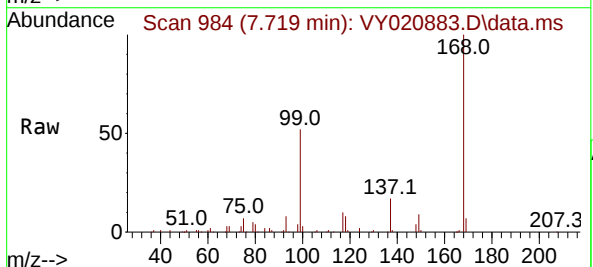
Instrument :
MSVOA_Y
ClientSampleId :



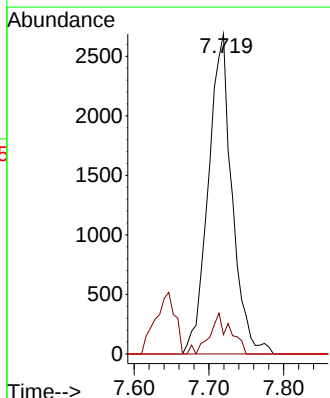
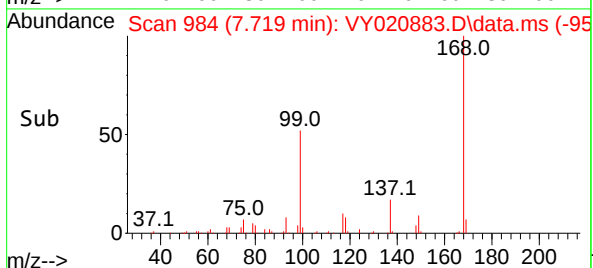
Tgt Ion:113 Resp: 43395
Ion Ratio Lower Upper
113 100
111 101.7 81.7 122.5
192 22.0 16.7 25.1

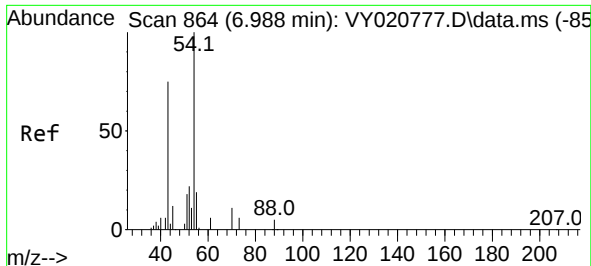


#36
1,1-Dichloropropene
Concen: 5.835 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10



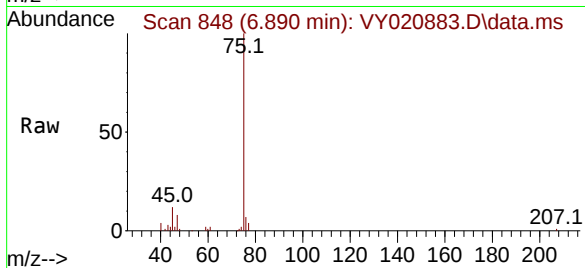
Tgt Ion: 75 Resp: 5944
Ion Ratio Lower Upper
75 100
110 11.2 18.5 55.5#
77 0.0 25.0 37.4#



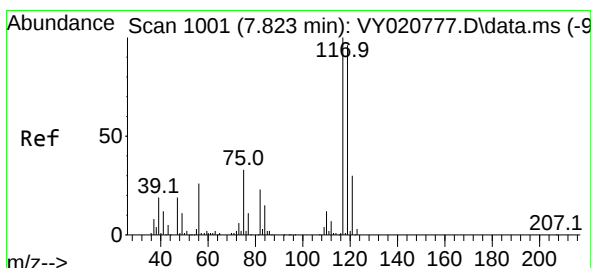
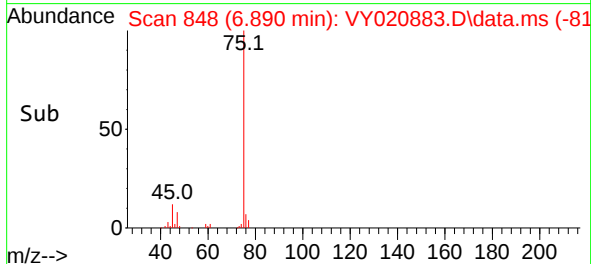
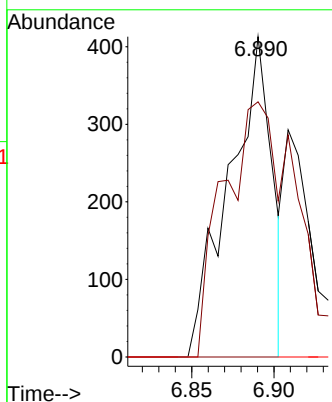


#37
Ethyl Acetate
Concen: 1.835 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :

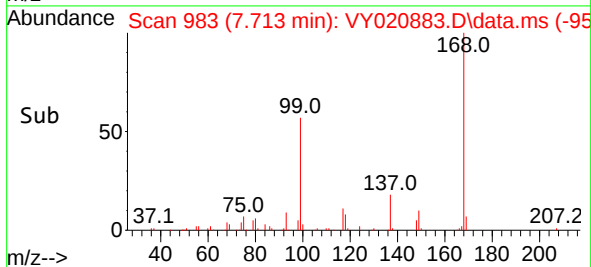
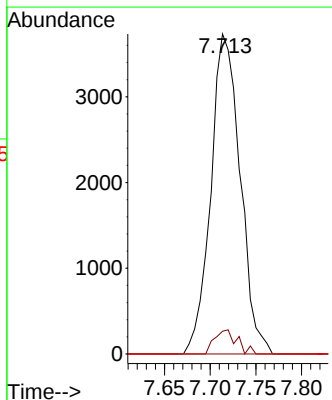
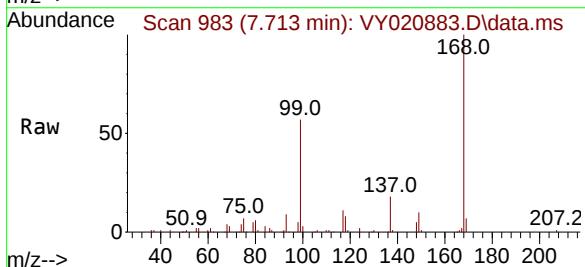


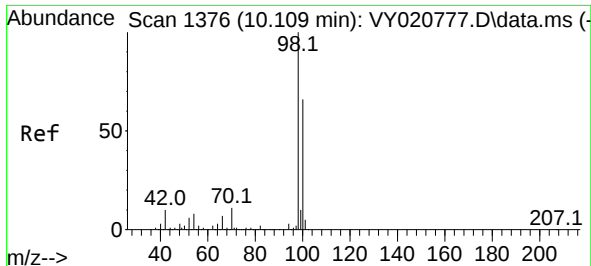
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
61 139.8 11.8 17.6#
70 0.0 9.8 14.8#



#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 117 Resp: 8342
Ion Ratio Lower Upper
117 100
119 7.1 76.5 114.7#
121 0.0 24.3 36.5#

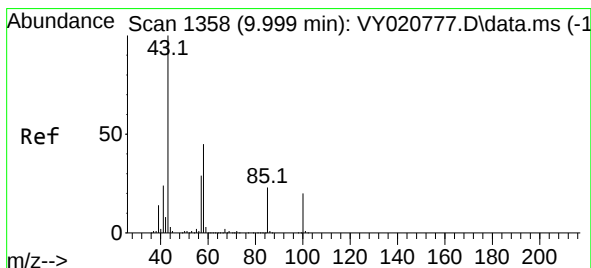
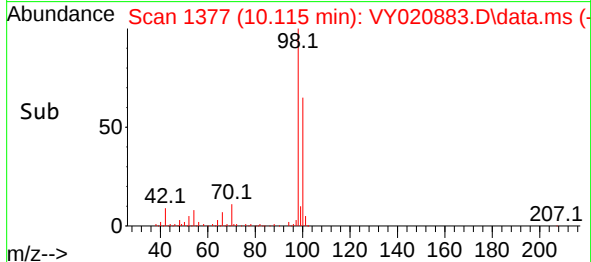
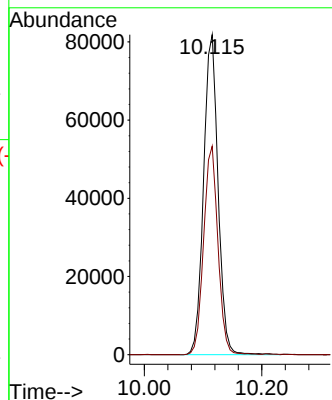
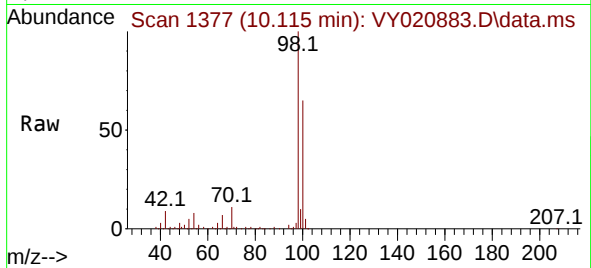




#50
Toluene-d8
Concen: 50.388 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

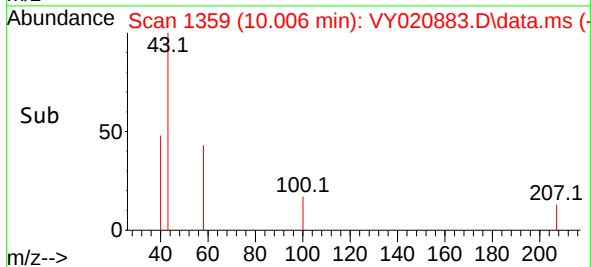
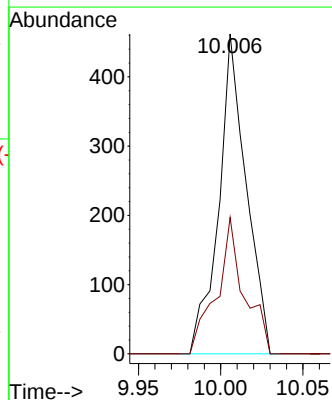
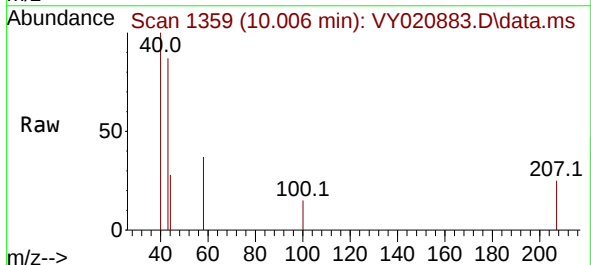
Instrument :
MSVOA_Y
ClientSampleId :

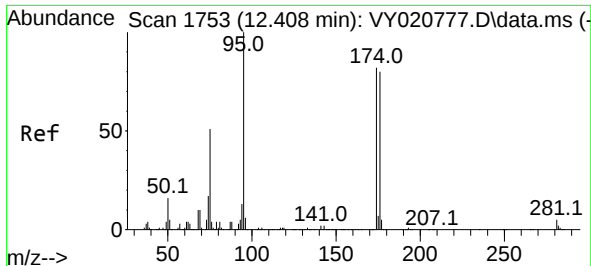
Tgt Ion: 98 Resp: 140284
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.306 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 42.9 34.8 52.2

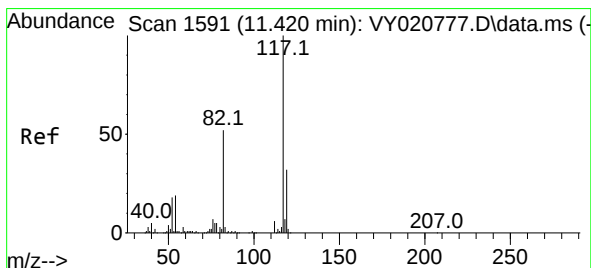
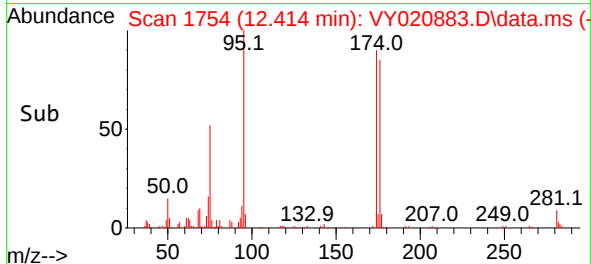
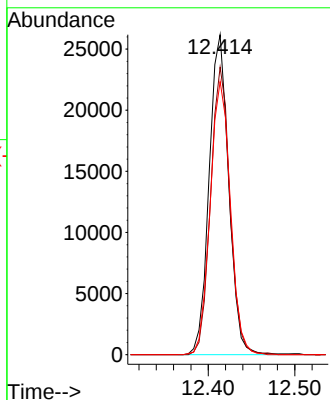
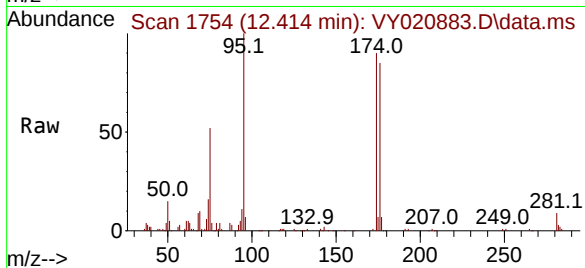




#62
4-Bromofluorobenzene
Concen: 39.964 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

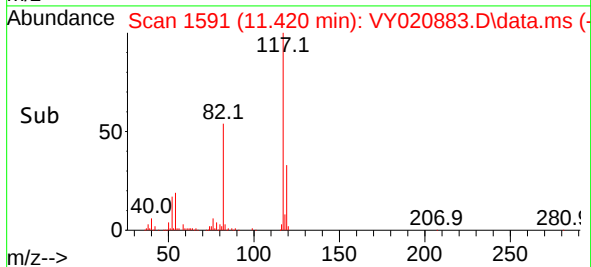
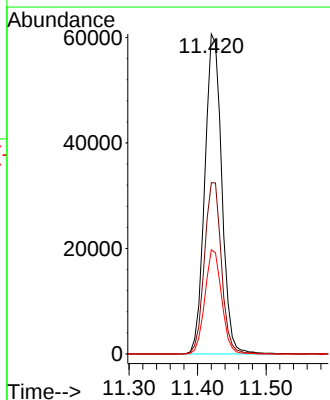
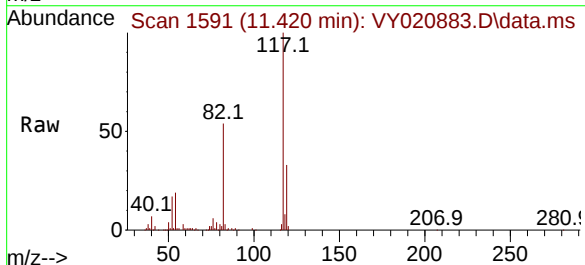
Instrument :
MSVOA_Y
ClientSampleId :

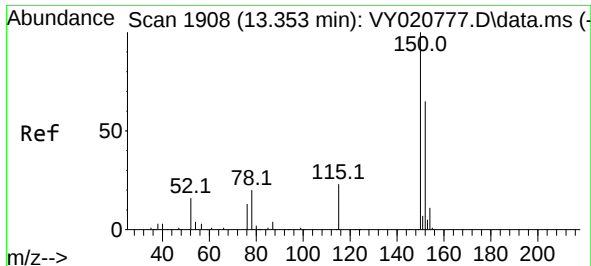
Tgt Ion: 95 Resp: 41087
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.0
176 88.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY020883.D
Acq: 20 Jan 2025 16:10

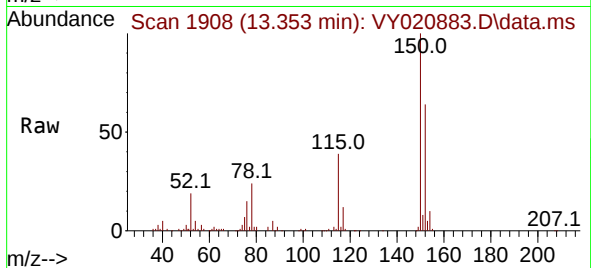
Tgt Ion: 117 Resp: 104605
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.6
119 32.5 25.8 38.8



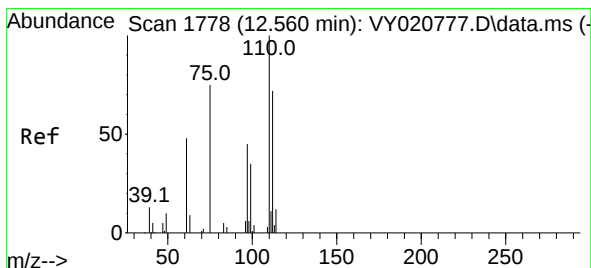
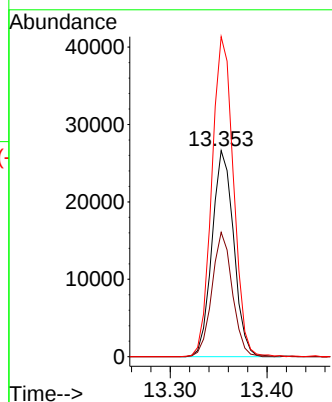
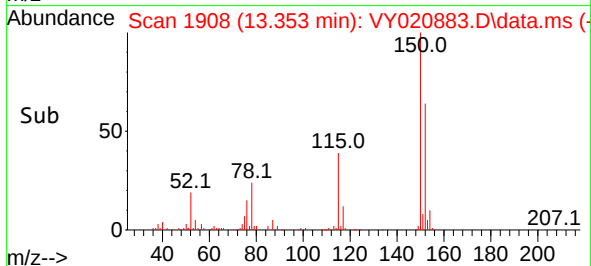


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :

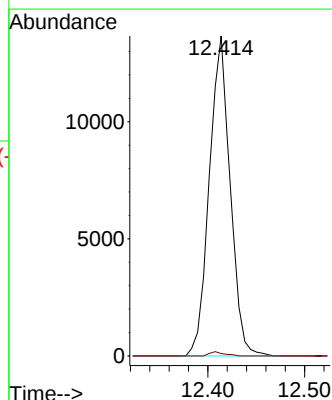
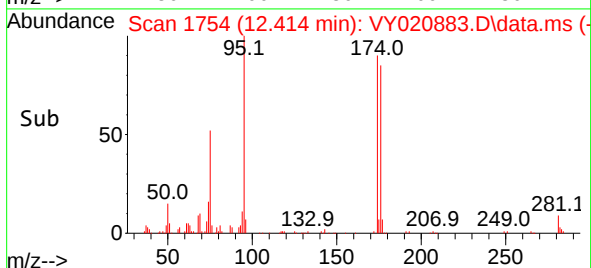
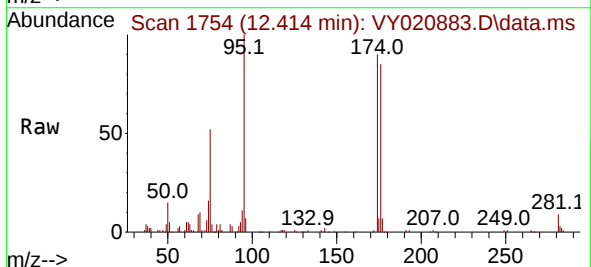


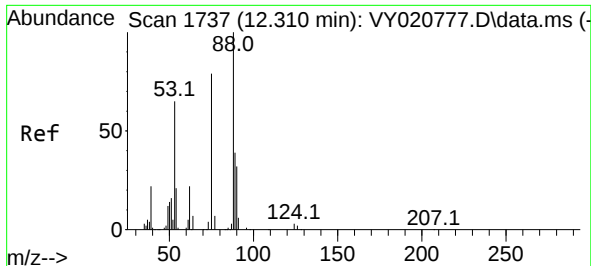
Tgt Ion:152 Resp: 41473
 Ion Ratio Lower Upper
 152 100
 115 56.8 29.0 87.0
 150 155.2 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 56.289 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

Tgt Ion: 75 Resp: 20426
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

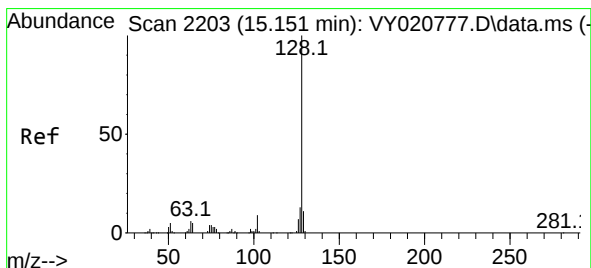
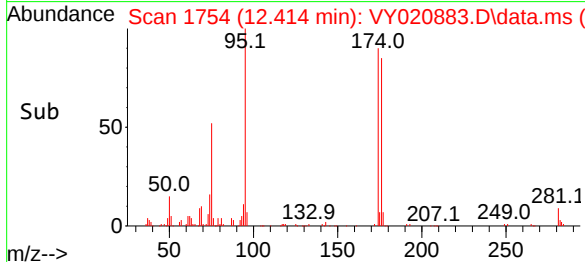
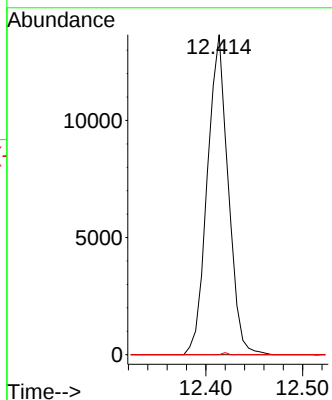
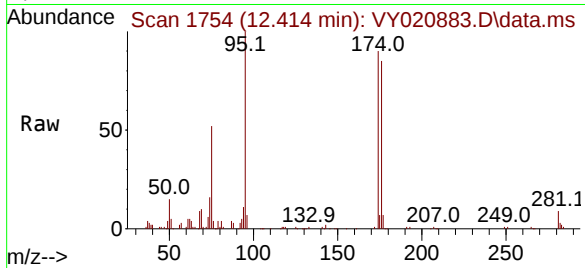




#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.686 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 20426
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.2 39.6 59.4#



#95
 Naphthalene
 Concen: 17.360 ug/l
 RT: 15.151 min Scan# 2203
 Delta R.T. 0.000 min
 Lab File: VY020883.D
 Acq: 20 Jan 2025 16:10

Tgt Ion:128 Resp: 21191
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.5 15.7
 129 9.8 8.6 12.8

