

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020888.D
 Acq On : 20 Jan 2025 18:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:45:11 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)

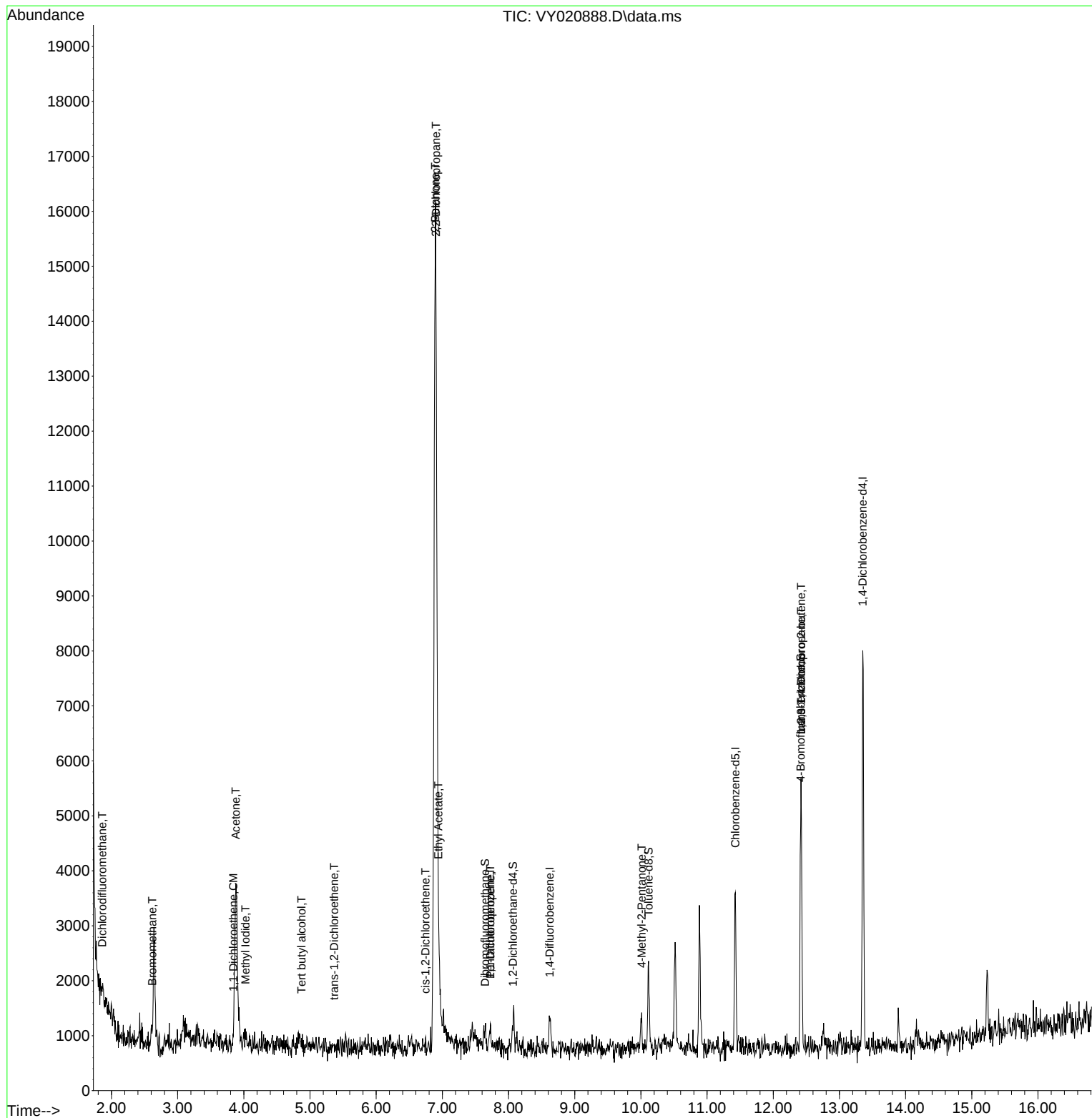
Internal Standards						
1) Pentafluorobenzene	7.725	168	401	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	2023	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	2271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	514	150.806	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	301.620%#
35) Dibromofluoromethane	7.646	113	364	58.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.140%
50) Toluene-d8	10.115	98	1333	61.528	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	123.060%
62) 4-Bromofluorobenzene	12.414	95	1295	161.866	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	323.740%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	22	7.476	ug/l	# 41
5) Bromomethane	2.617	94	24	19.562	ug/l	90
10) Methyl Iodide	4.025	142	184	48.091	ug/l	# 35
11) Tert butyl alcohol	4.872	59	83	322.273	ug/l	# 73
12) 1,1-Dichloroethene	3.842	96	43	13.751	ug/l	# 1
16) Acetone	3.878	43	5911	12195.753	ug/l	98
21) trans-1,2-Dichloroethene	5.366	96	26	7.550	ug/l	# 1
25) 2-Butanone	6.890	43	680	854.096	ug/l	# 45
26) 2,2-Dichloropropane	6.902	77	1143	173.621	ug/l	# 53
27) cis-1,2-Dichloroethene	6.744	96	23	5.294	ug/l	# 1
36) 1,1-Dichloropropene	7.725	75	52	6.560	ug/l	# 40
37) Ethyl Acetate	6.939	43	33	10.461	ug/l	# 66
51) 4-Methyl-2-Pentanone	10.012	43	528	164.720	ug/l	97
76) 1,2,3-Trichloropropane	12.420	75	632	31.806	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.420	75	632	67.063	ug/l	# 14

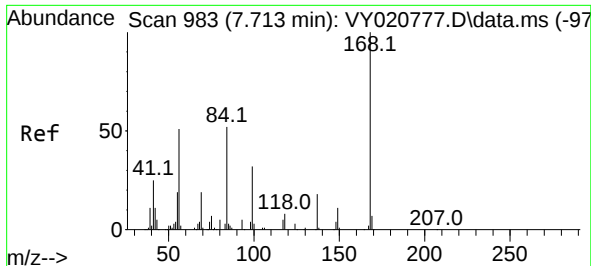
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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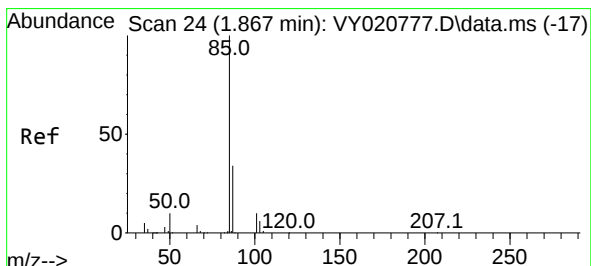
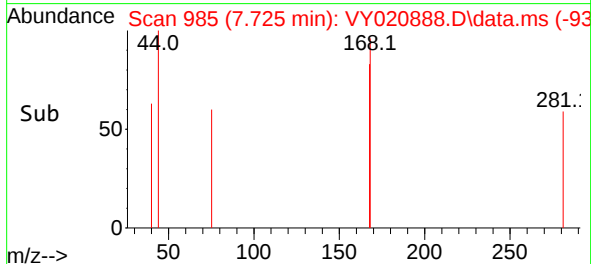
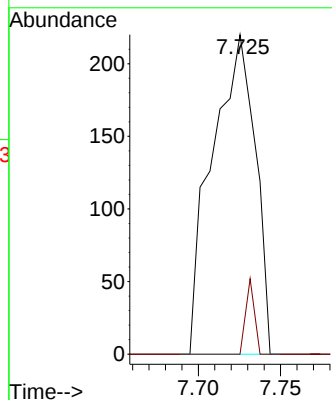
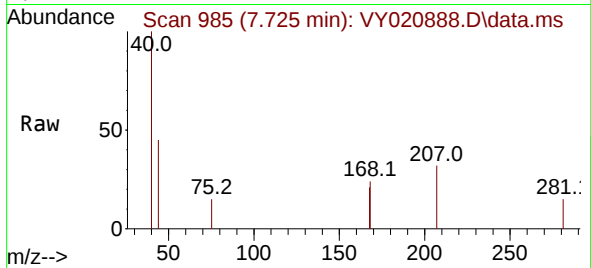




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

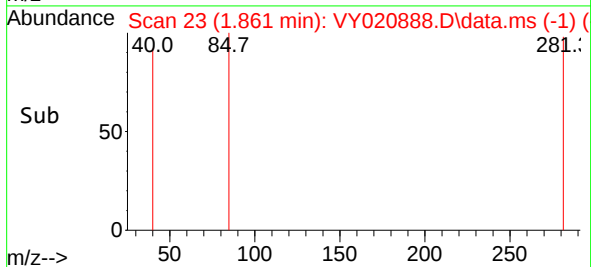
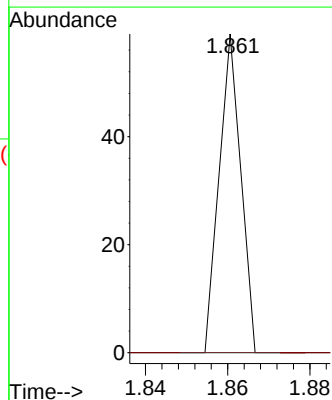
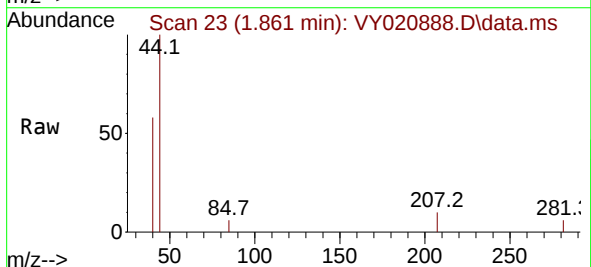
Instrument :
MSVOA_Y
ClientSampleId :

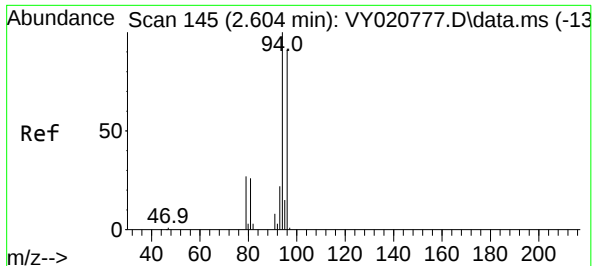
Tgt Ion:168 Resp: 401
Ion Ratio Lower Upper
168 100
99 0.0 44.3 66.5#



#2
Dichlorodifluoromethane
Concen: 7.476 ug/l
RT: 1.861 min Scan# 23
Delta R.T. -0.006 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.9 50.6#

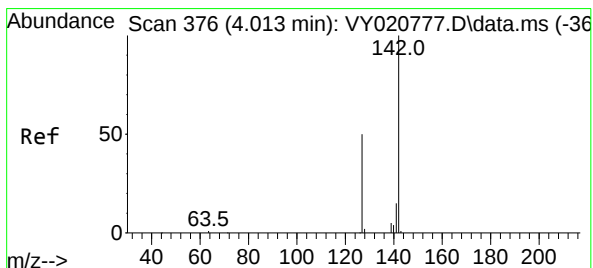
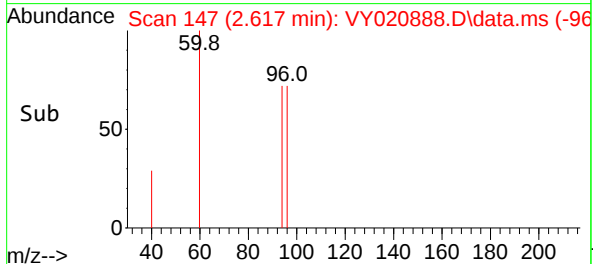
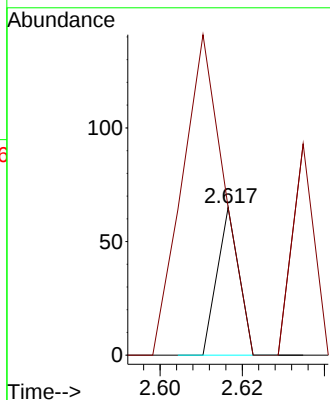
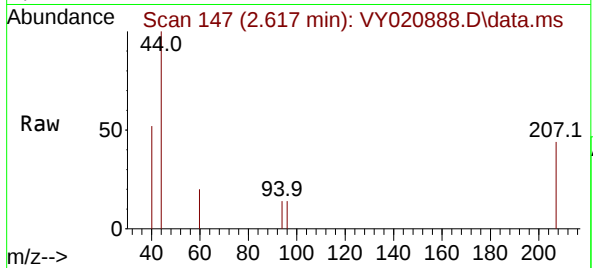




#5
Bromomethane
Concen: 19.562 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

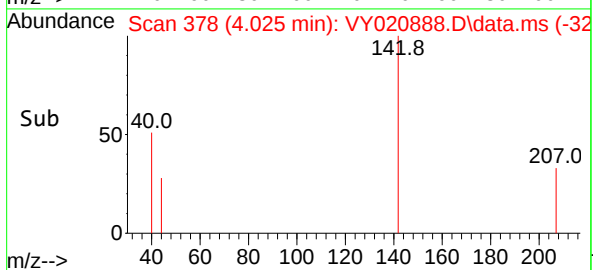
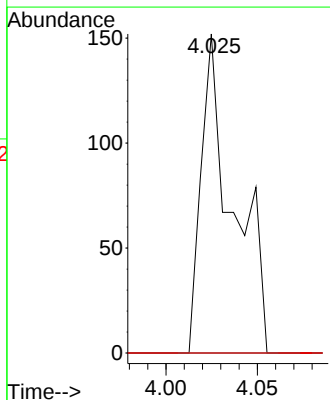
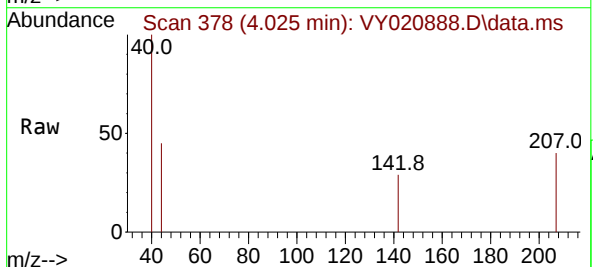
Instrument :
MSVOA_Y
ClientSampleId :

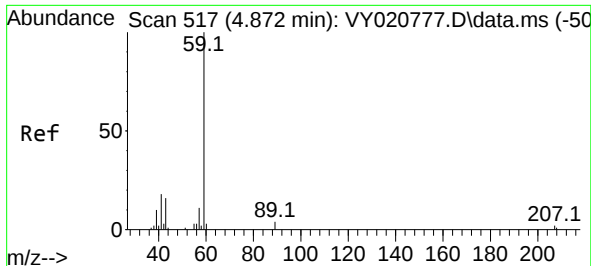
Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 100.0 72.6 109.0



#10
Methyl Iodide
Concen: 48.091 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 0.0 41.0 61.6#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 322.273 ug/l

RT: 4.872 min Scan# 517

Delta R.T. -0.000 min

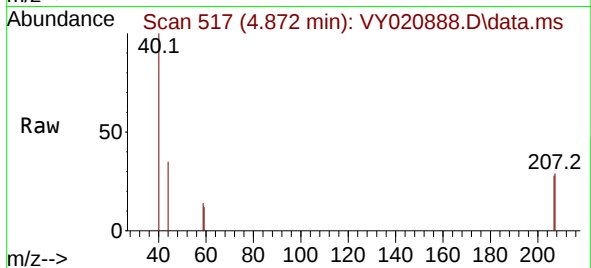
Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

Instrument :

MSVOA_Y

ClientSampleId :

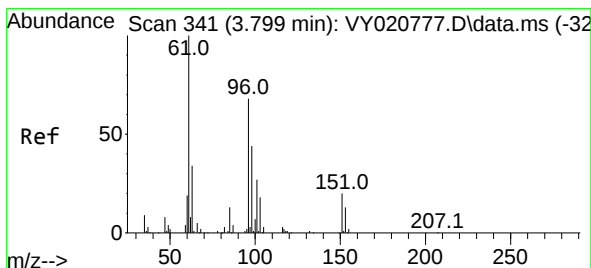
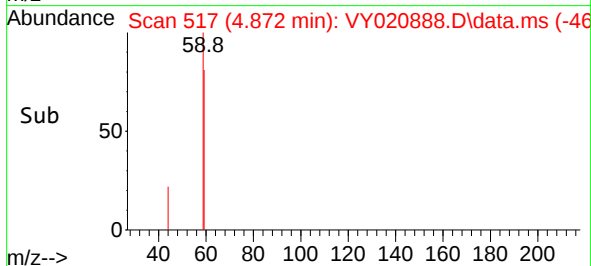
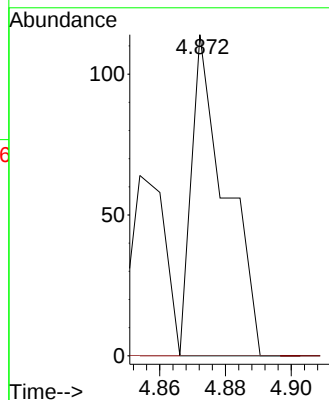


Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 13.751 ug/l

RT: 3.842 min Scan# 348

Delta R.T. 0.043 min

Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

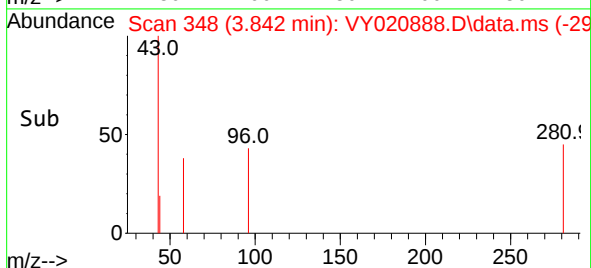
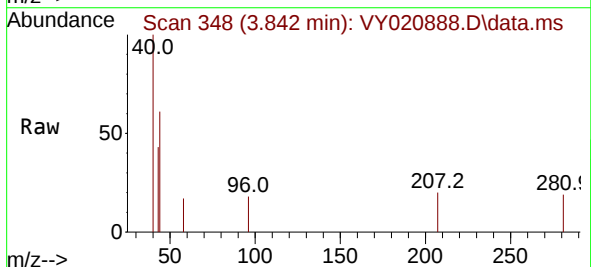
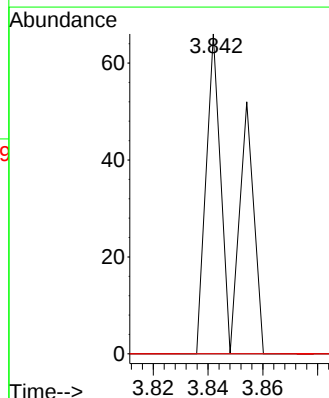
Tgt Ion: 96 Resp: 43

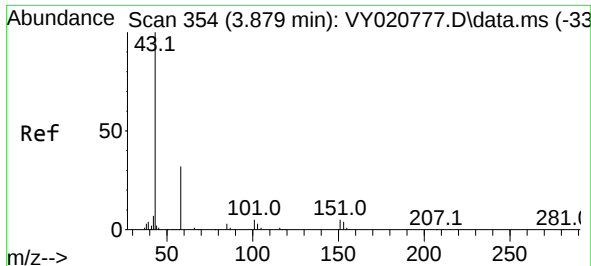
Ion Ratio Lower Upper

96 100

61 0.0 117.8 176.8#

98 0.0 51.9 77.9#

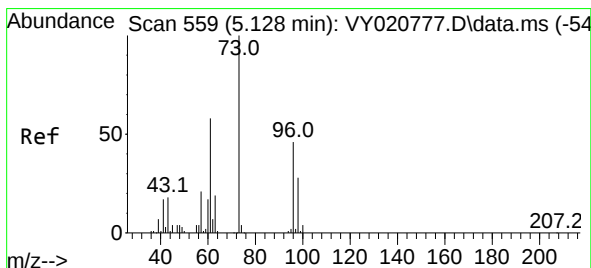
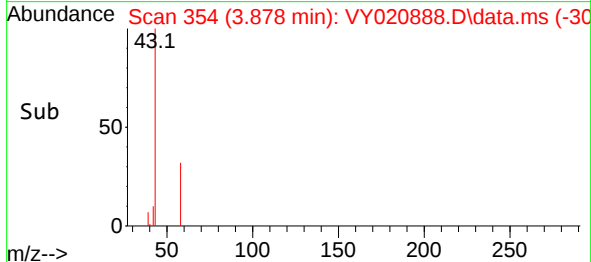
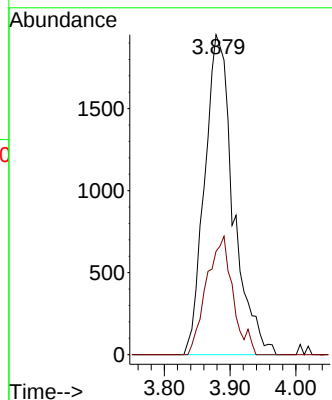
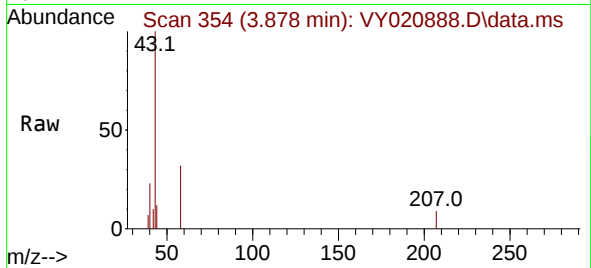




#16
Acetone
Concen: 12195.753 ug/l
RT: 3.878 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

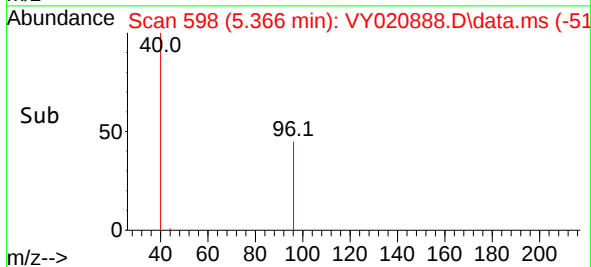
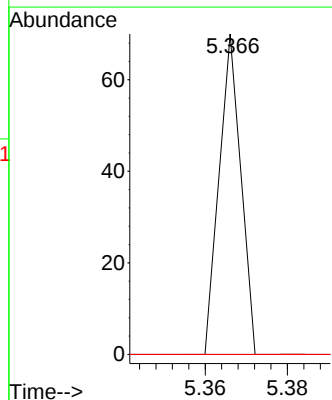
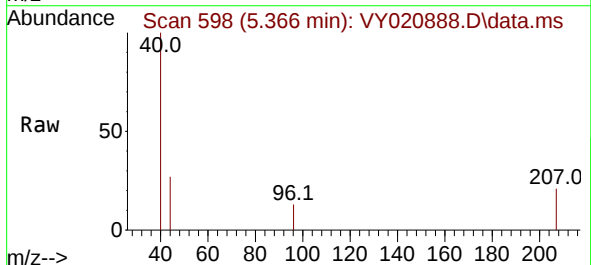
Instrument :
MSVOA_Y
ClientSampleId :

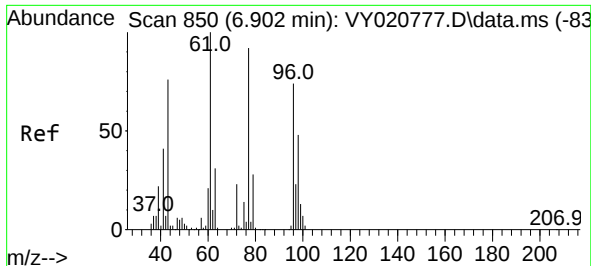
Tgt Ion: 43 Resp: 5911
Ion Ratio Lower Upper
43 100
58 32.3 26.7 40.1



#21
trans-1,2-Dichloroethene
Concen: 7.550 ug/l
RT: 5.366 min Scan# 598
Delta R.T. 0.238 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

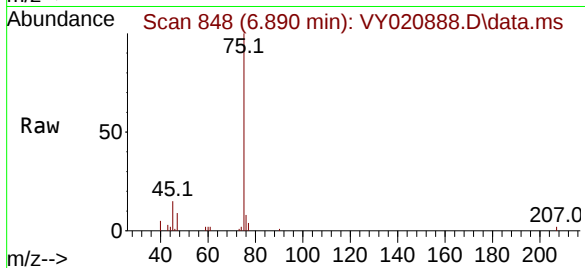
Tgt Ion: 96 Resp: 26
Ion Ratio Lower Upper
96 100
61 0.0 101.6 152.4#
98 0.0 49.4 74.2#



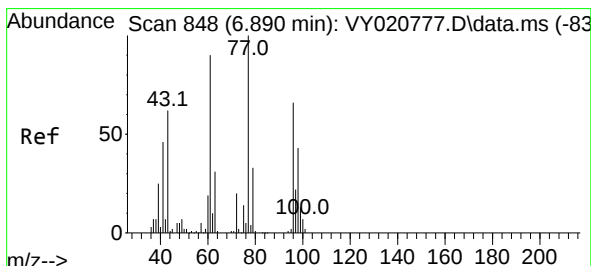
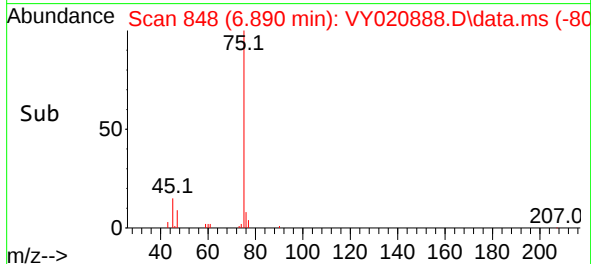
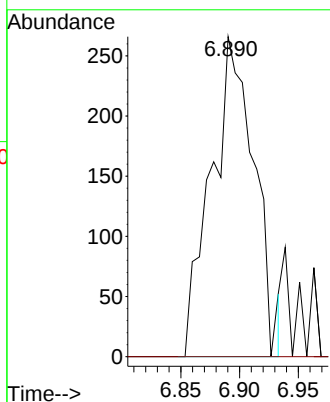


#25
2-Butanone
Concen: 854.096 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

Instrument :
MSVOA_Y
ClientSampleId :

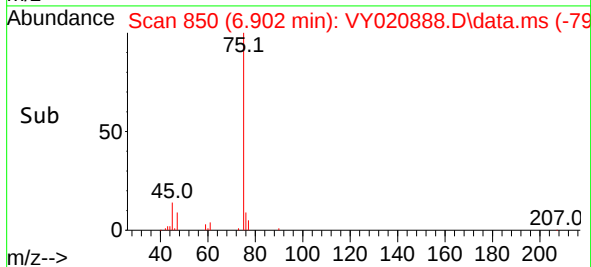
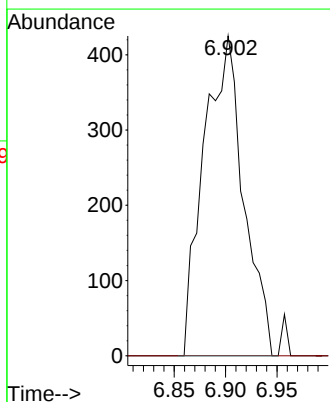
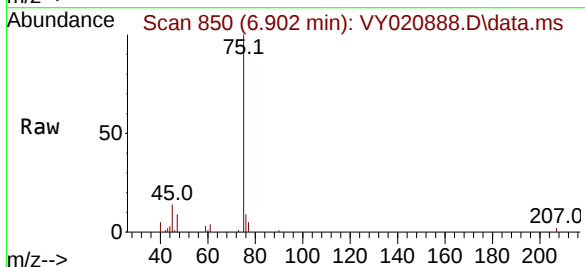


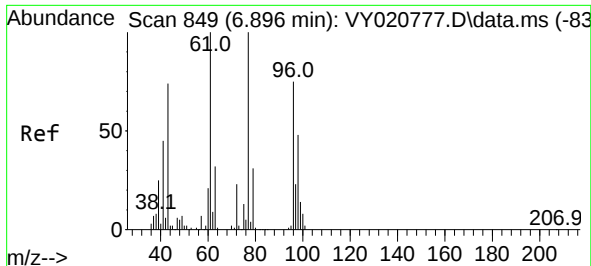
Tgt Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



#26
2,2-Dichloropropane
Concen: 173.621 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

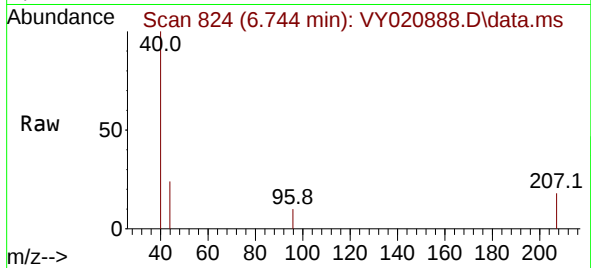
Tgt Ion: 77 Resp: 1143
Ion Ratio Lower Upper
77 100
97 0.0 11.3 33.8#



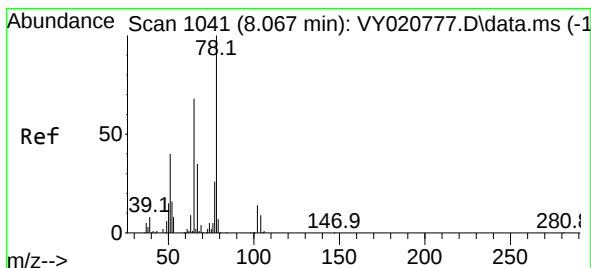
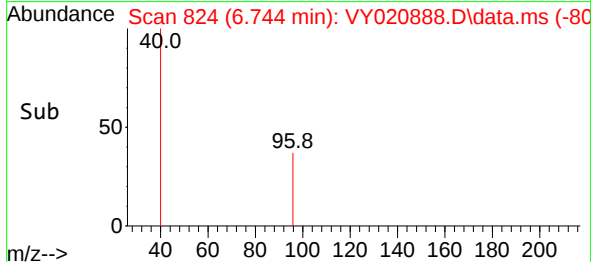
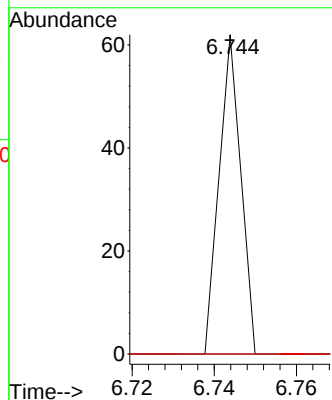


#27
 cis-1,2-Dichloroethene
 Concen: 5.294 ug/l
 RT: 6.744 min Scan# 81
 Delta R.T. -0.153 min
 Lab File: VY020888.D
 Acq: 20 Jan 2025 18:06

Instrument :
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 ClientSampleId :

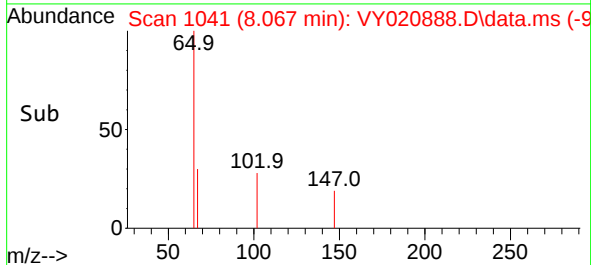
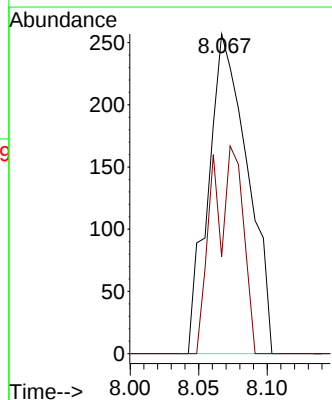
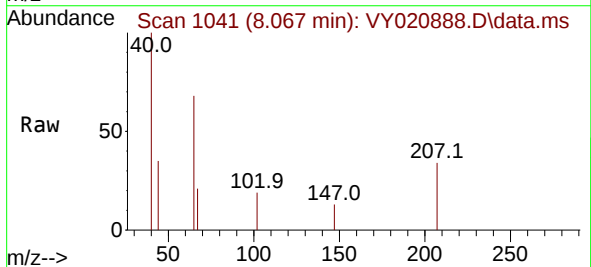


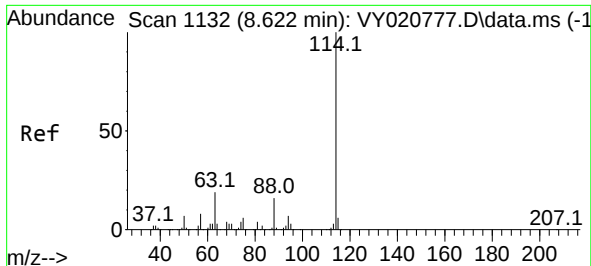
Tgt Ion: 96 Resp: 23
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 271.4
 98 0.0 0.0 129.0



#33
 1,2-Dichloroethane-d4
 Concen: 150.806 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. -0.000 min
 Lab File: VY020888.D
 Acq: 20 Jan 2025 18:06

Tgt Ion: 65 Resp: 514
 Ion Ratio Lower Upper
 65 100
 67 49.8 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

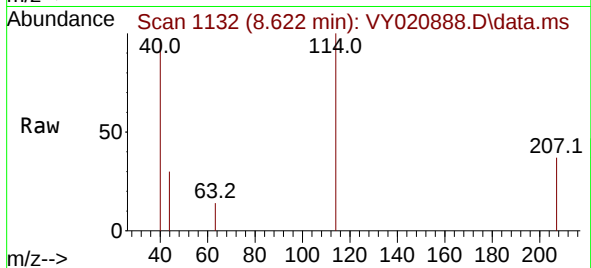
Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

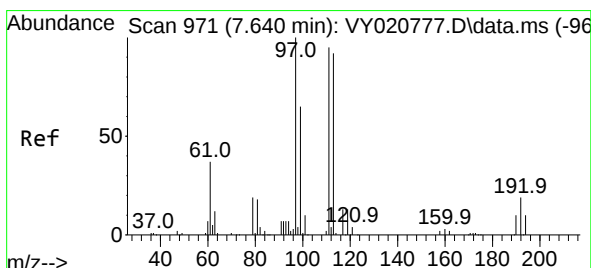
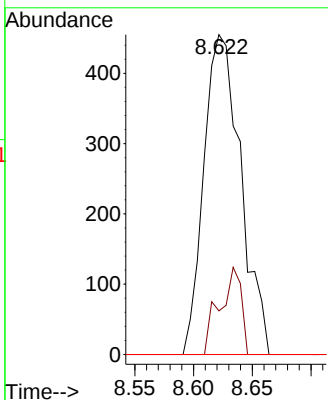
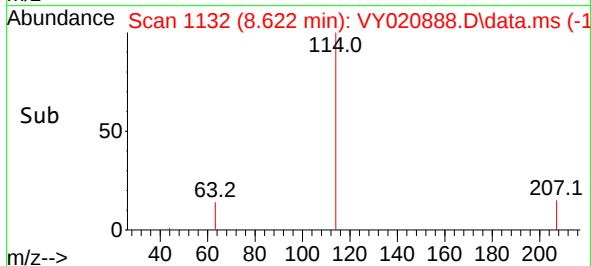
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:114	Resp:	992
Ion	Ratio	Lower Upper
114	100	
63	13.6	0.0 38.4
88	0.0	0.0 31.2



#35

Dibromofluoromethane

Concen: 58.570 ug/l

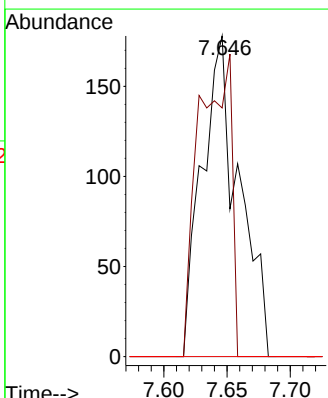
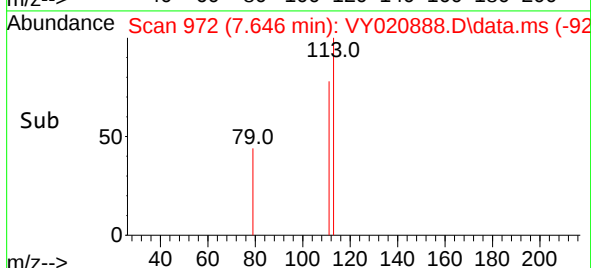
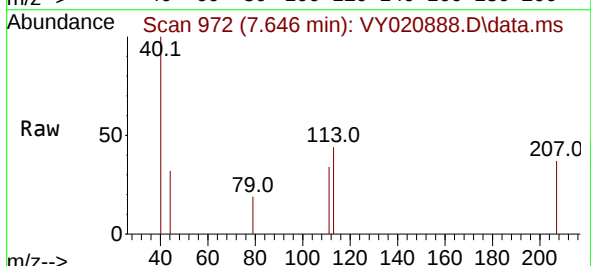
RT: 7.646 min Scan# 972

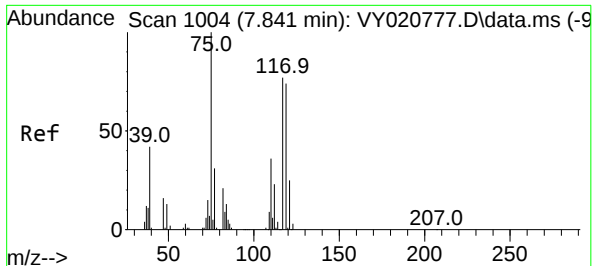
Delta R.T. 0.006 min

Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

Tgt Ion:113	Resp:	364
Ion	Ratio	Lower Upper
113	100	
111	81.9	81.7 122.5
192	0.0	16.7 25.1





#36

1,1-Dichloropropene

Concen: 6.560 ug/l

RT: 7.725 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY020888.D

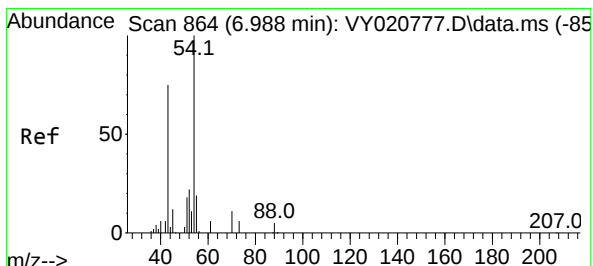
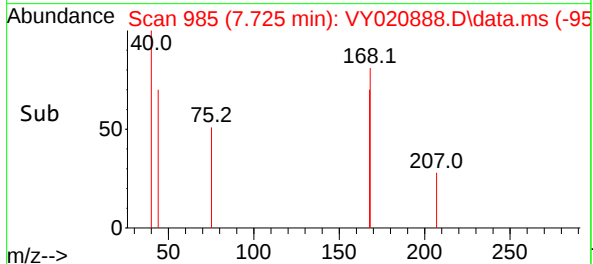
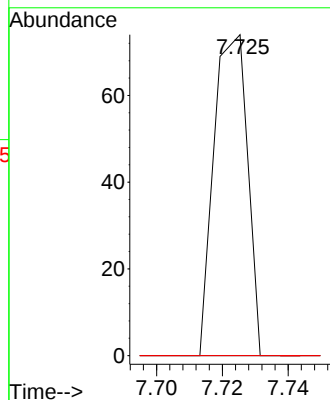
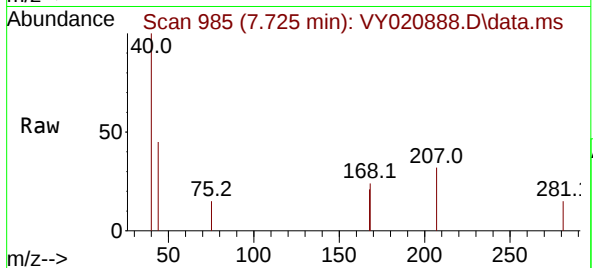
Acq: 20 Jan 2025 18:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 52
Ion Ratio	Lower Upper
75	100
110	0.0 18.5 55.5#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.461 ug/l

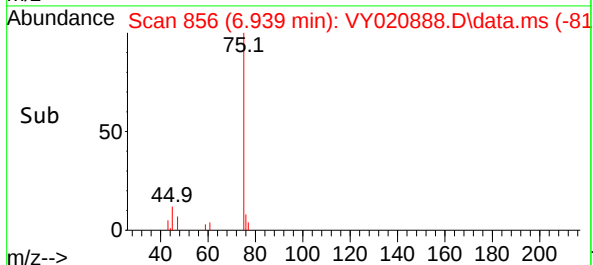
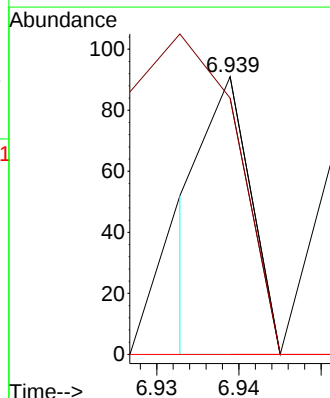
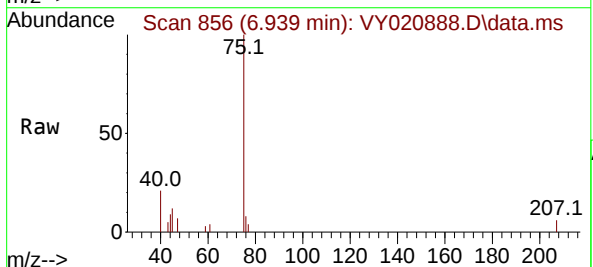
RT: 6.939 min Scan# 856

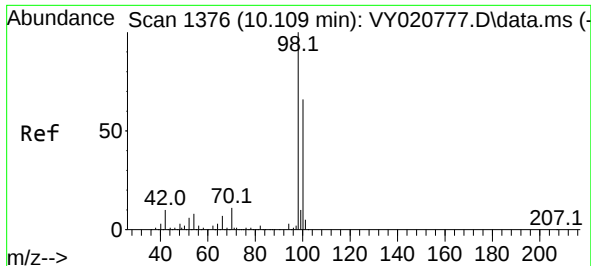
Delta R.T. -0.049 min

Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

Tgt Ion: 43	Resp: 33
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6#
70	0.0 9.8 14.8#

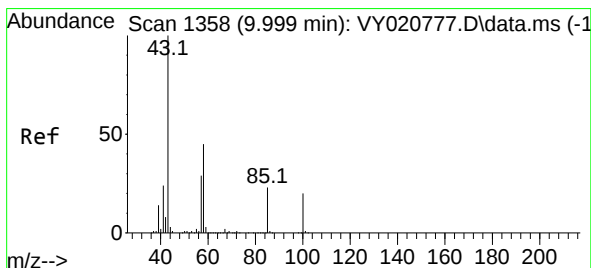
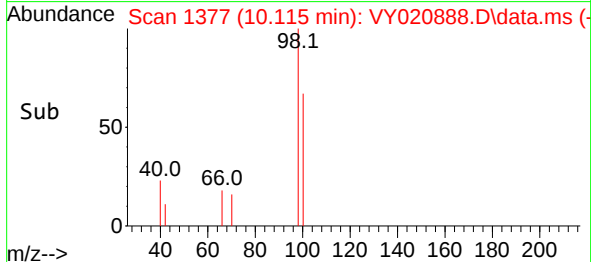
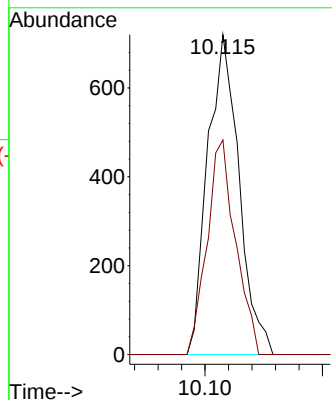
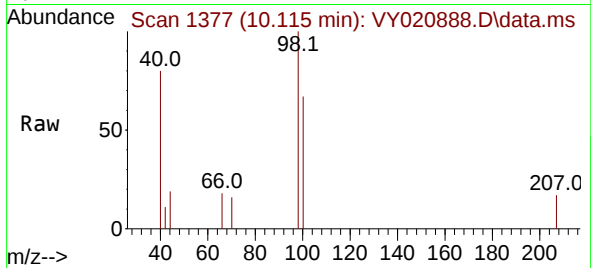




#50
Toluene-d8
Concen: 61.528 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

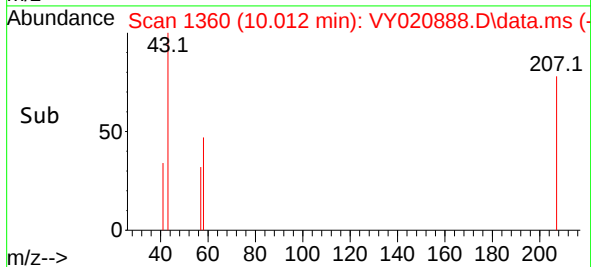
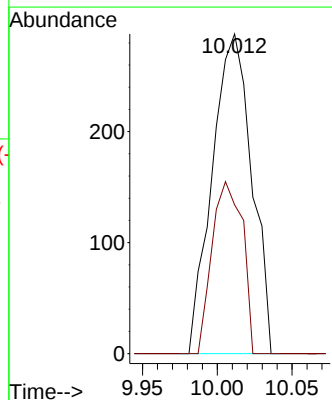
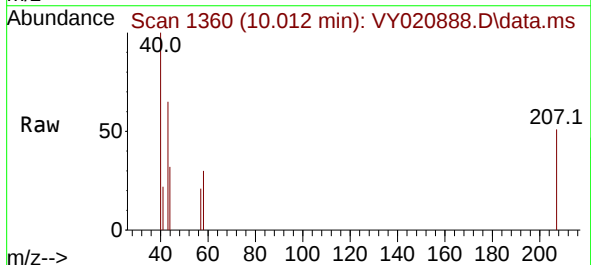
Instrument :
MSVOA_Y
ClientSampleId :

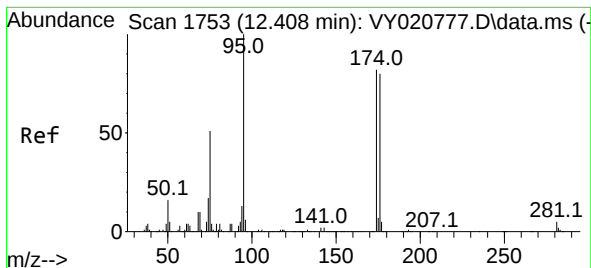
Tgt Ion: 98 Resp: 1333
Ion Ratio Lower Upper
98 100
100 60.9 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 164.720 ug/l
RT: 10.012 min Scan# 1360
Delta R.T. 0.012 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 41.5 34.8 52.2

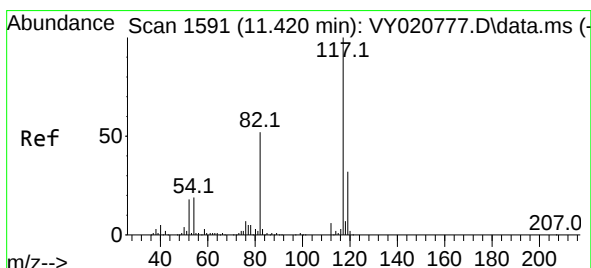
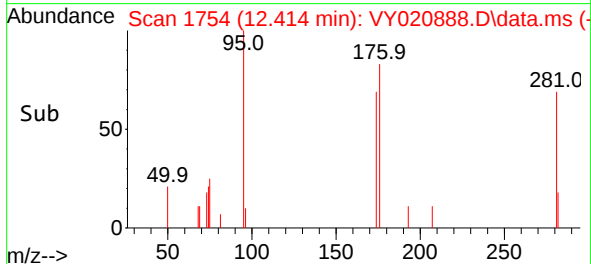
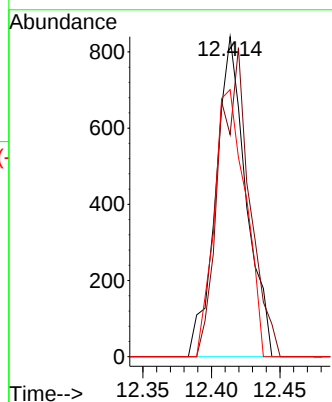
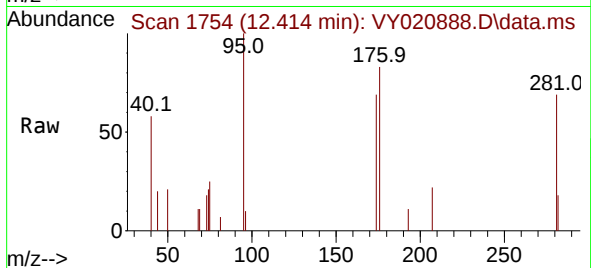




#62
4-Bromofluorobenzene
Concen: 161.866 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

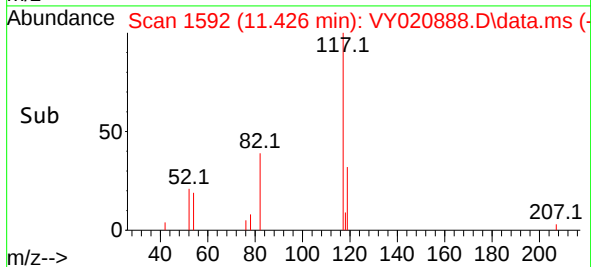
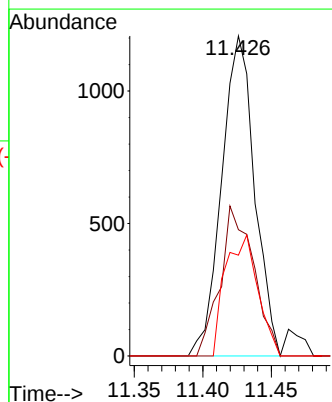
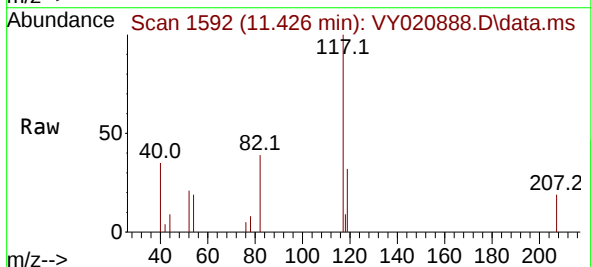
Instrument :
MSVOA_Y
ClientSampleId :

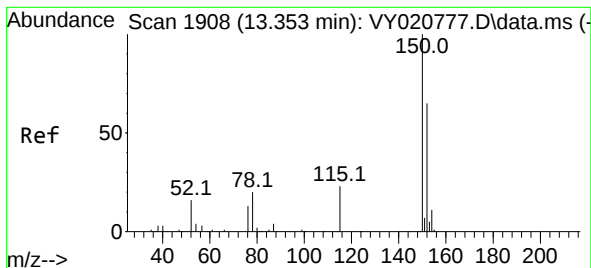
Tgt Ion:	95	Resp:	1295
Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	178.0
176	85.7	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY020888.D
Acq: 20 Jan 2025 18:06

Tgt Ion:	117	Resp:	2023
Ion	Ratio	Lower	Upper
117	100		
82	39.5	41.8	62.6
119	31.5	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY020888.D

Acq: 20 Jan 2025 18:06

Instrument :

MSVOA_Y

ClientSampleId :

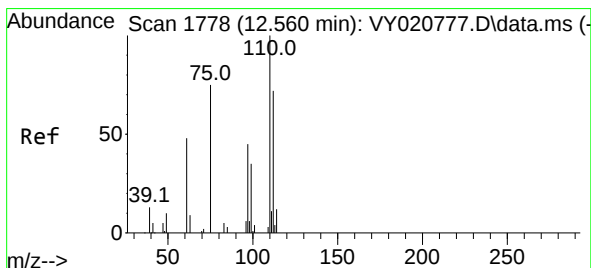
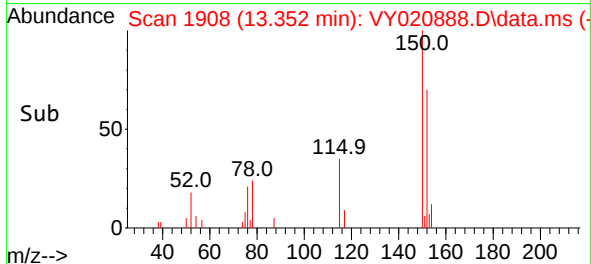
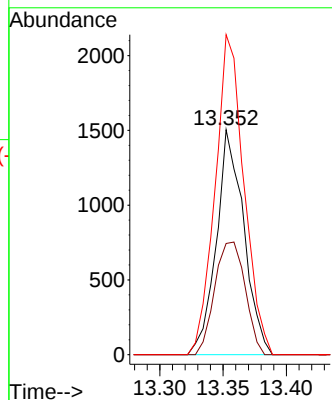
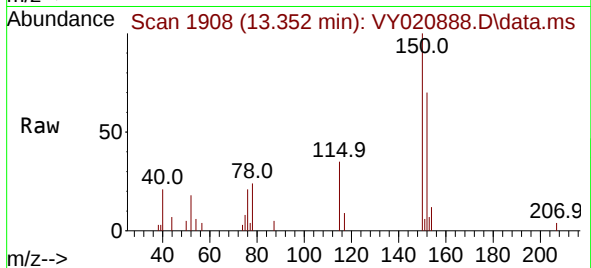
Tgt Ion:152 Resp: 2271

Ion Ratio Lower Upper

152 100

115 55.4 29.0 87.0

150 149.1 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 31.806 ug/l

RT: 12.420 min Scan# 1755

Delta R.T. -0.140 min

Lab File: VY020888.D

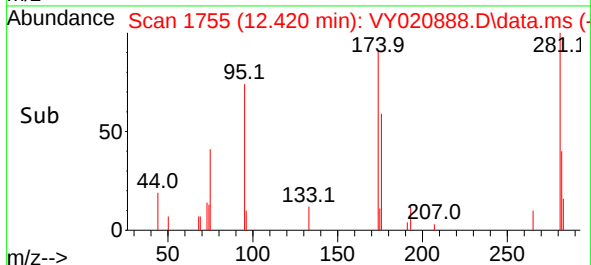
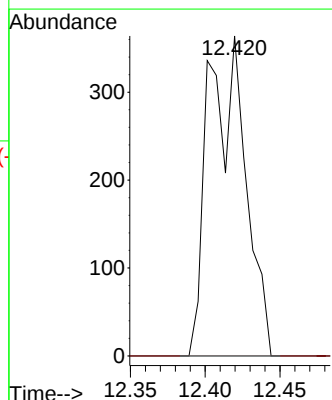
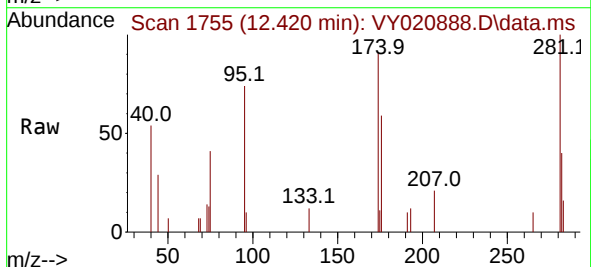
Acq: 20 Jan 2025 18:06

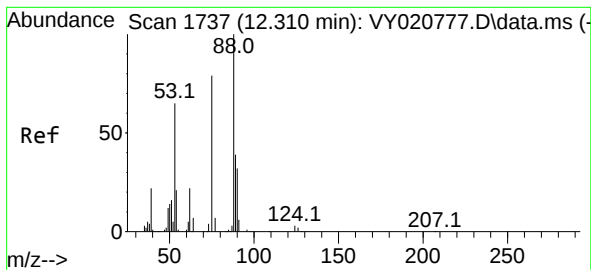
Tgt Ion: 75 Resp: 632

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.063 ug/l
 RT: 12.420 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY020888.D
 Acq: 20 Jan 2025 18:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 632
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.0 39.6 59.4#

