

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021289.D
 Acq On : 21 Feb 2025 16:34
 Operator : SY/MD
 Sample : Q1383-21
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-15-021725

Quant Time: Feb 21 23:09:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

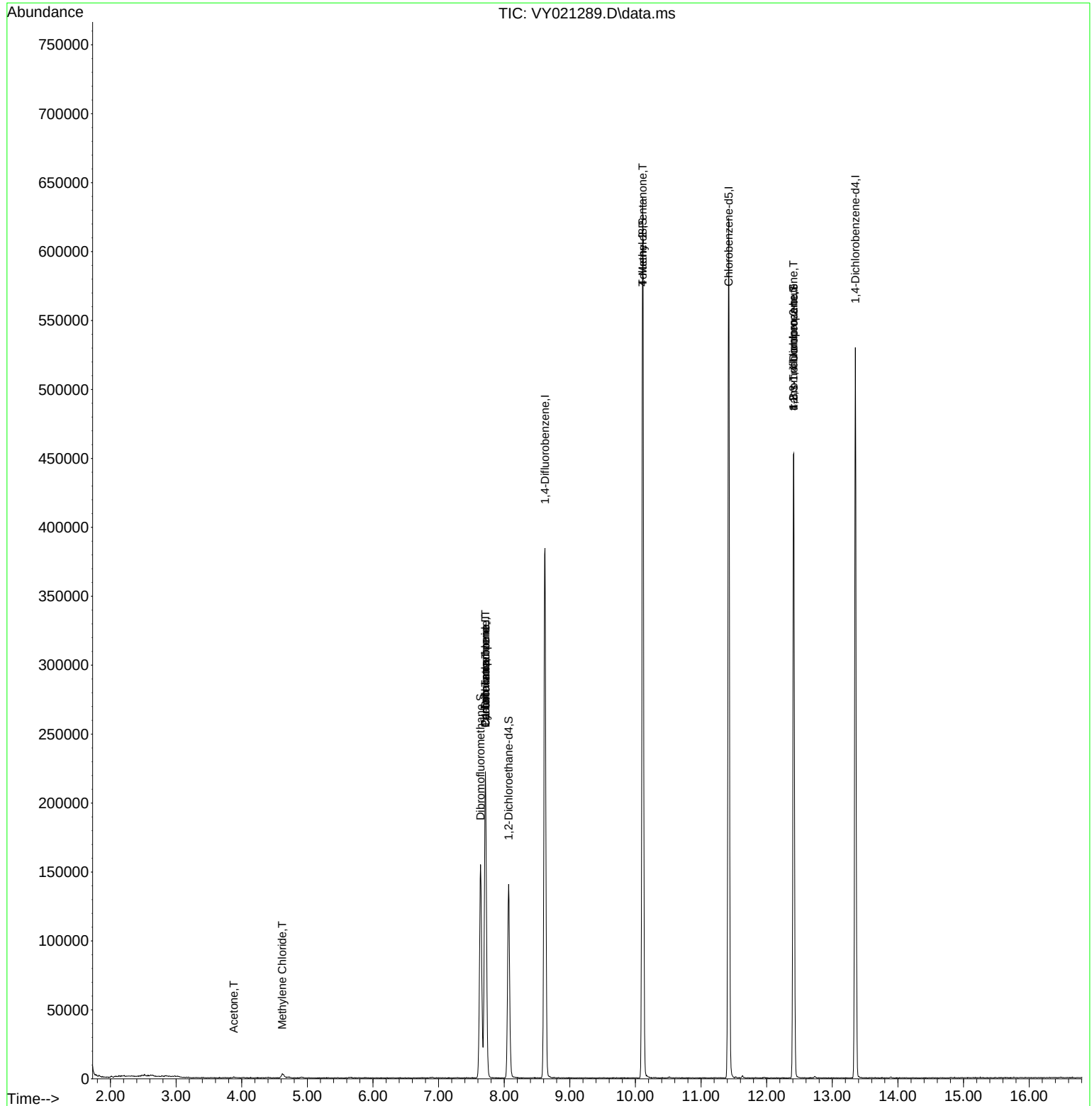
Internal Standards						
1) Pentafluorobenzene	7.713	168	164292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	317351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	125058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109018	64.764	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.520%	
35) Dibromofluoromethane	7.640	113	106356	52.294	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.580%	
50) Toluene-d8	10.109	98	398732	51.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.408	95	129990	51.389	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.780%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	848	3.230	ug/l	96
20) Methylene Chloride	4.616	84	2089	1.280	ug/l #	86
31) Cyclohexane	7.713	56	4185	1.458	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	13804	4.582	ug/l #	51
38) Carbon Tetrachloride	7.713	117	17024	4.837	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2067	1.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	73896	65.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	73896	132.915	ug/l #	12

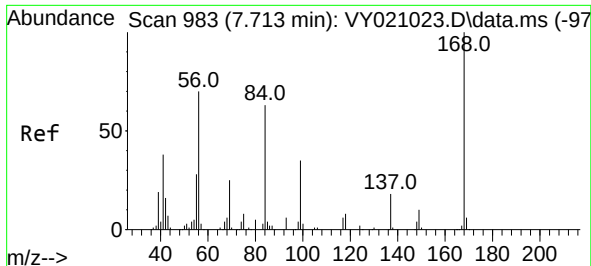
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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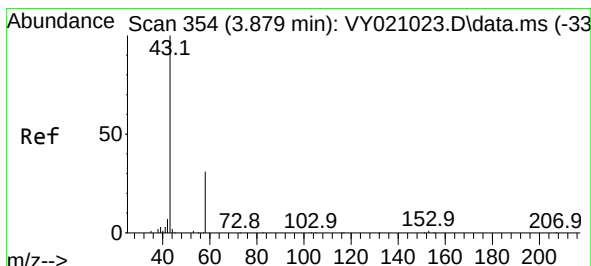
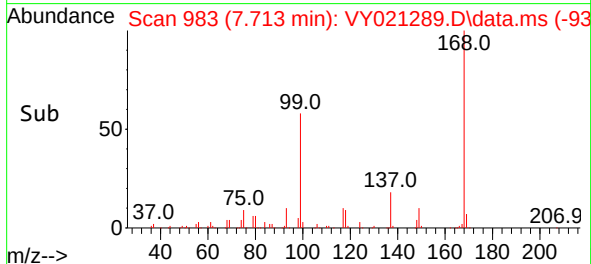
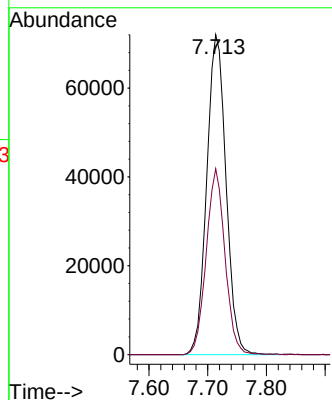
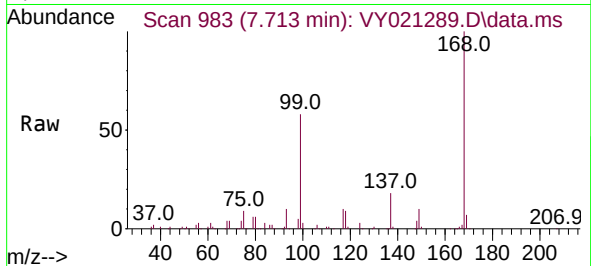




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

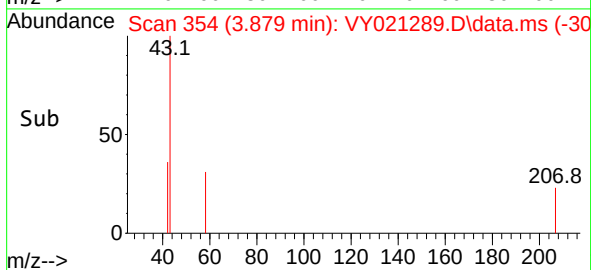
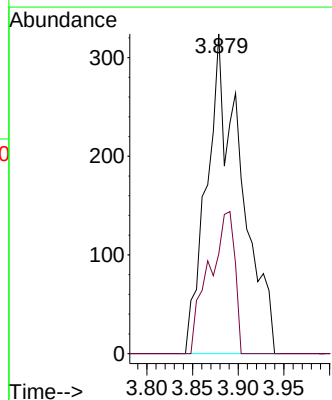
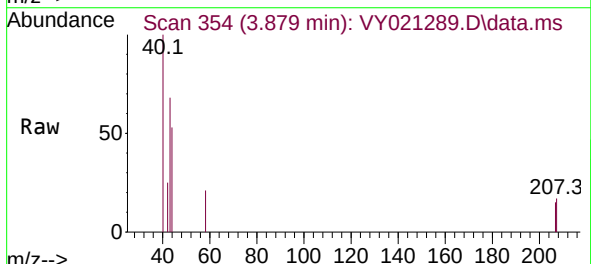
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-021725

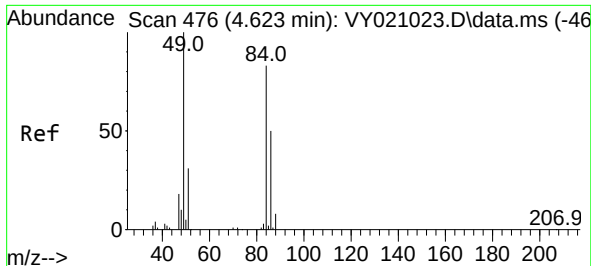
Tgt Ion:168 Resp: 164292
Ion Ratio Lower Upper
168 100
99 58.1 44.2 66.4



#16
Acetone
Concen: 3.230 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 31.2 26.6 39.8





#20

Methylene Chloride

Concen: 1.280 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021289.D

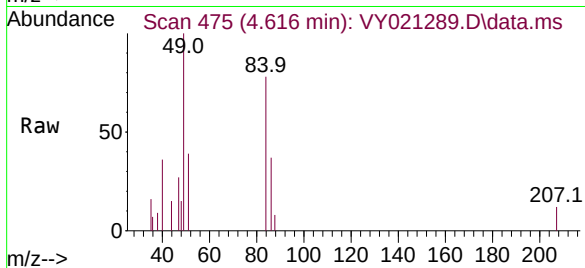
Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-021725



Tgt Ion: 84 Resp: 2089

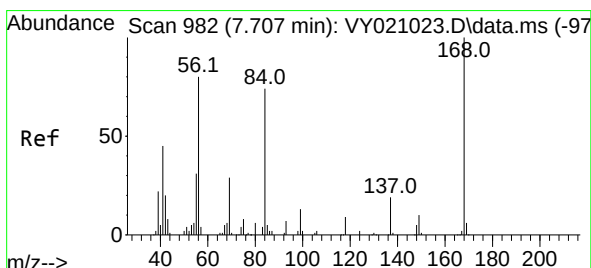
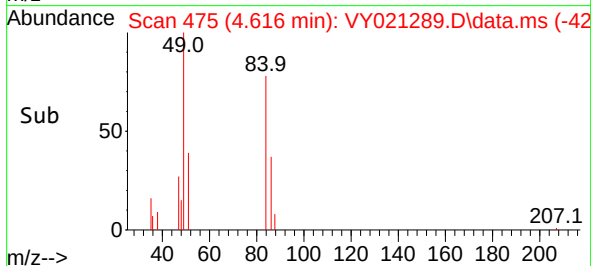
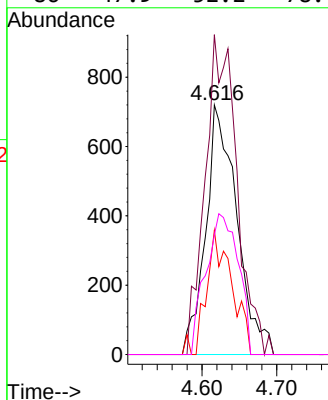
Ion Ratio Lower Upper

84 100

49 128.2 95.2 142.8

51 49.7 29.9 44.9#

86 47.9 52.2 78.4#



#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

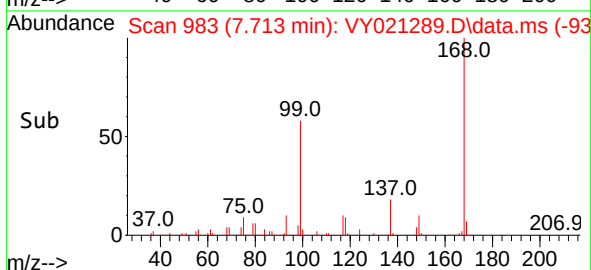
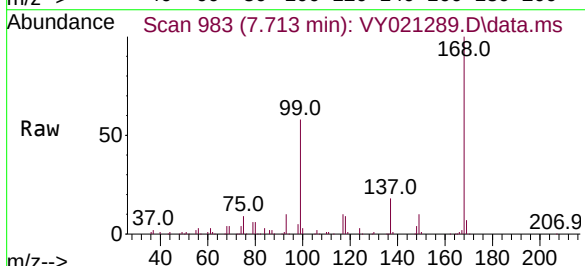
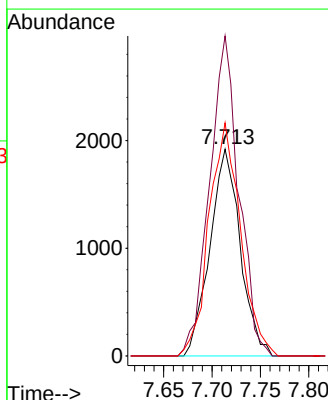
Tgt Ion: 56 Resp: 4185

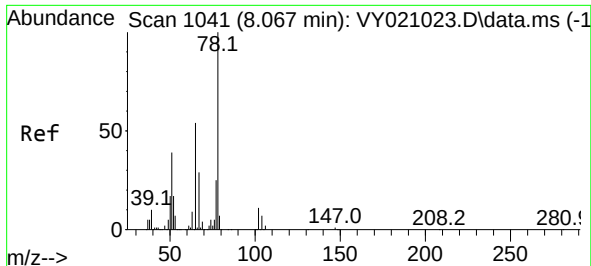
Ion Ratio Lower Upper

56 100

69 154.9 27.0 40.6#

84 112.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 64.764 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

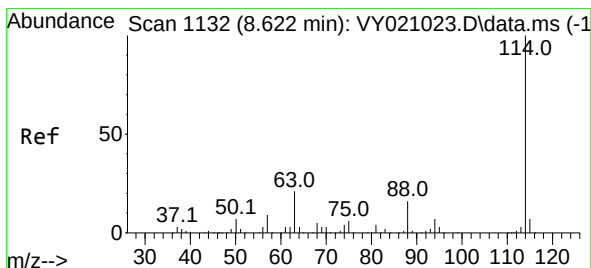
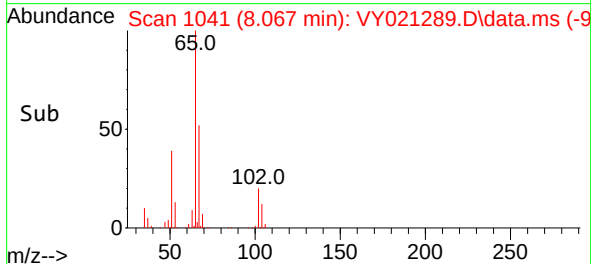
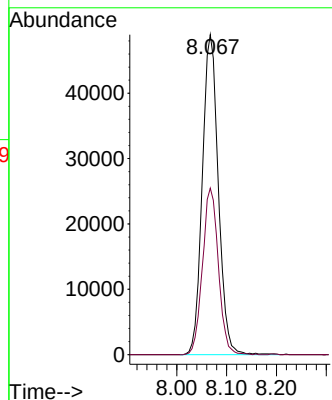
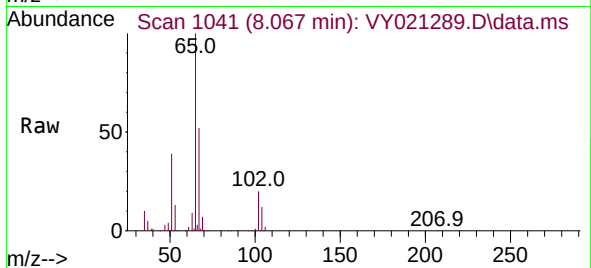
OU4-CF-15-021725

Tgt Ion: 65 Resp: 109018

Ion Ratio Lower Upper

65 100

67 51.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

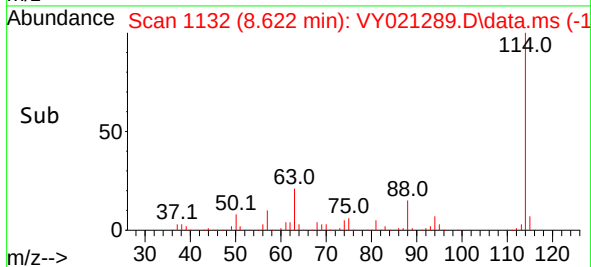
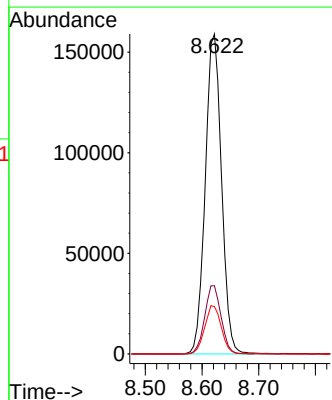
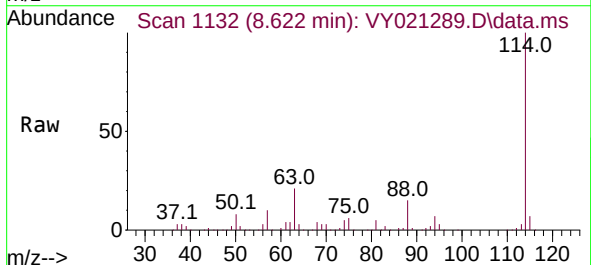
Tgt Ion: 114 Resp: 317351

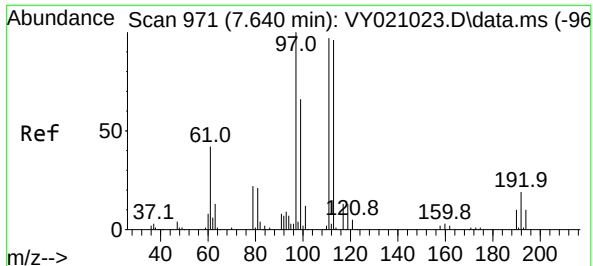
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.294 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-021725

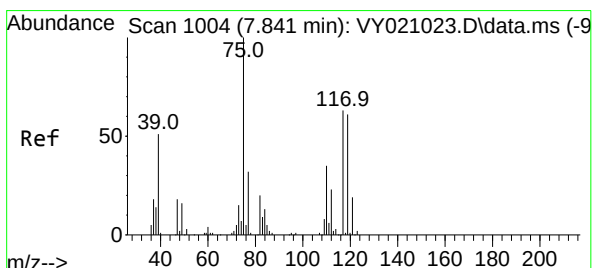
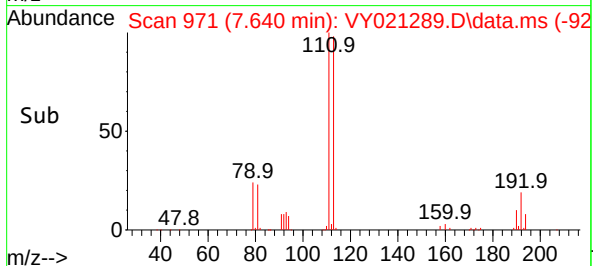
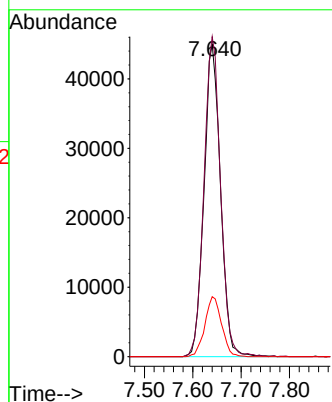
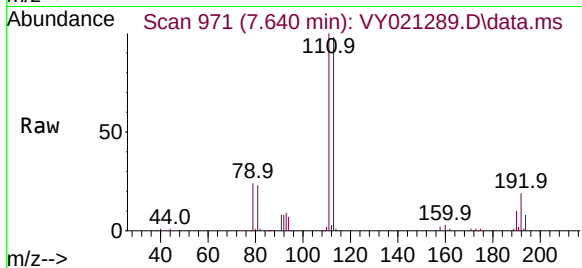
Tgt Ion:113 Resp: 106356

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 19.4 14.5 21.7



#36

1,1-Dichloropropene

Concen: 4.582 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.128 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

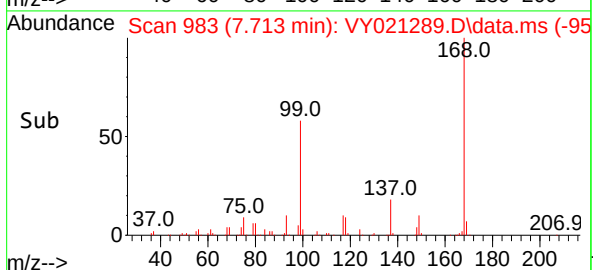
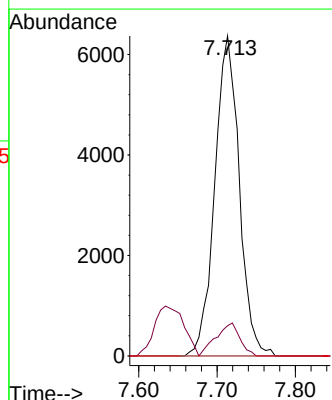
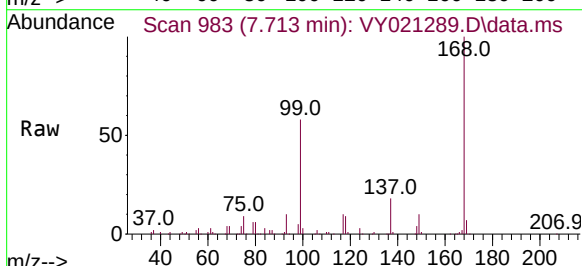
Tgt Ion: 75 Resp: 13804

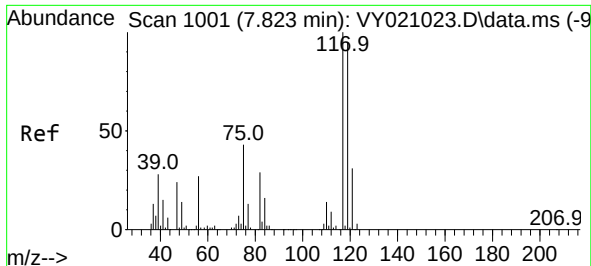
Ion Ratio Lower Upper

75 100

110 10.0 17.4 52.3#

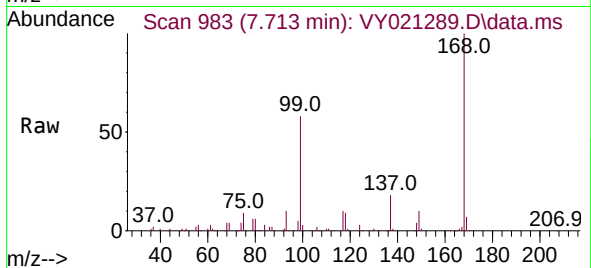
77 0.0 24.7 37.1#



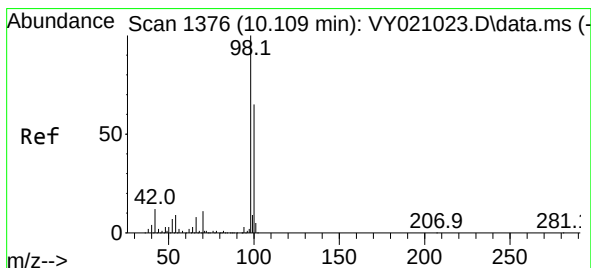
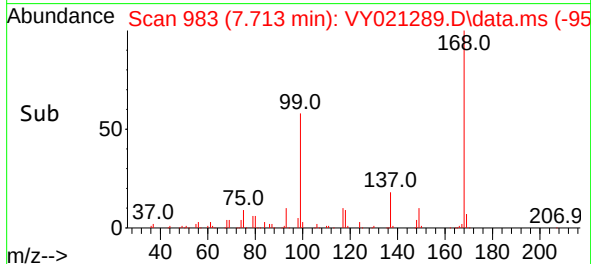
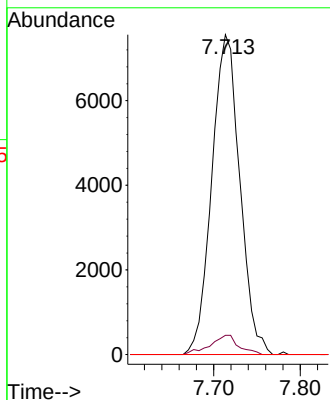


#38
Carbon Tetrachloride
Concen: 4.837 ug/l
RT: 7.713 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-021725

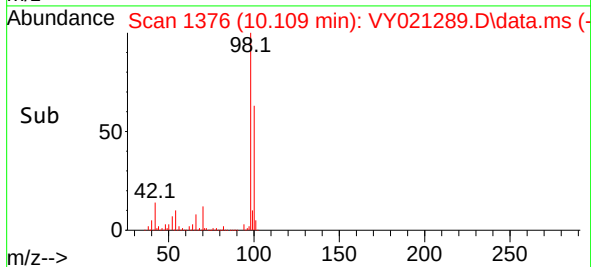
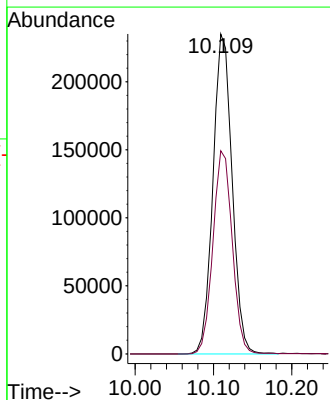
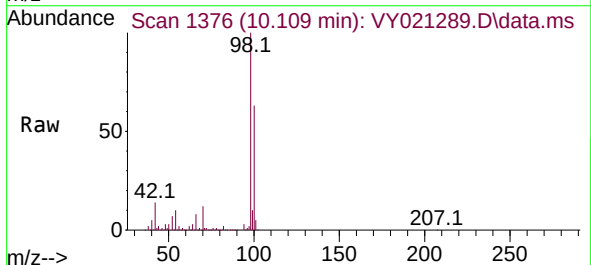


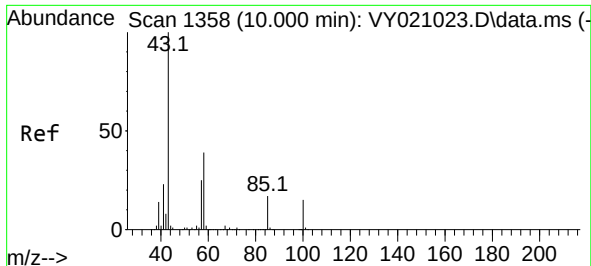
Tgt Ion:117 Resp: 17024
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.497 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 98 Resp: 398732
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

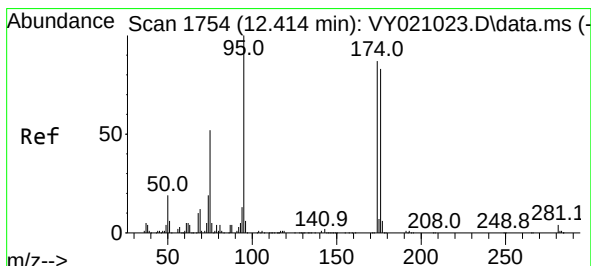
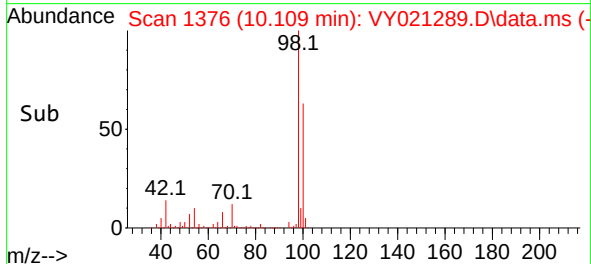
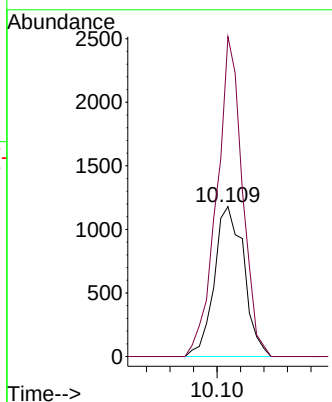
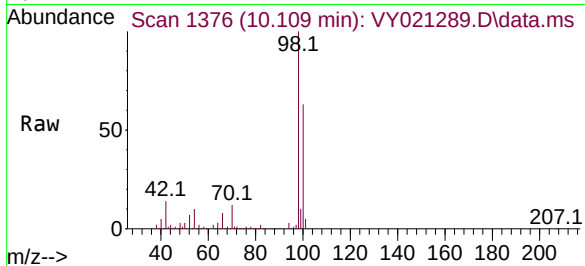




#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

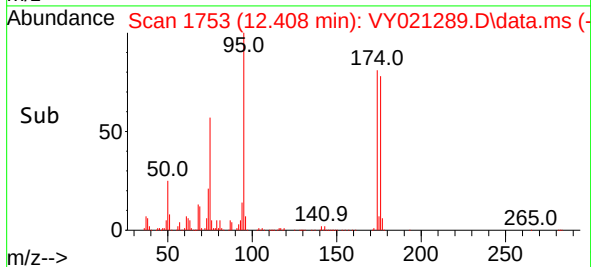
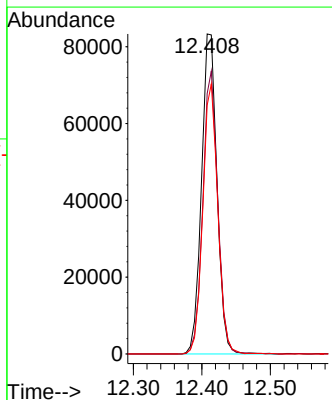
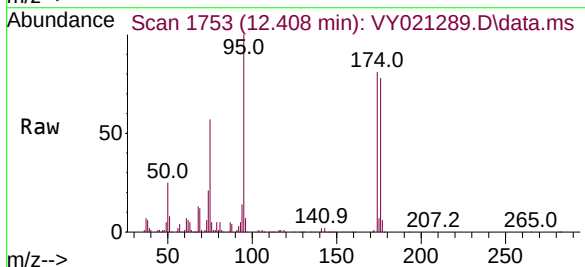
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-021725

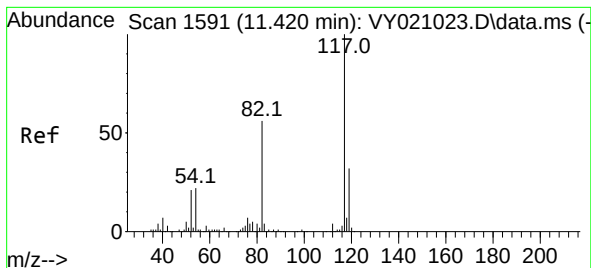
Tgt Ion: 43 Resp: 2067
Ion Ratio Lower Upper
43 100
58 184.8 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 51.389 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 95 Resp: 129990
Ion Ratio Lower Upper
95 100
174 85.4 0.0 160.0
176 81.8 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-15-021725

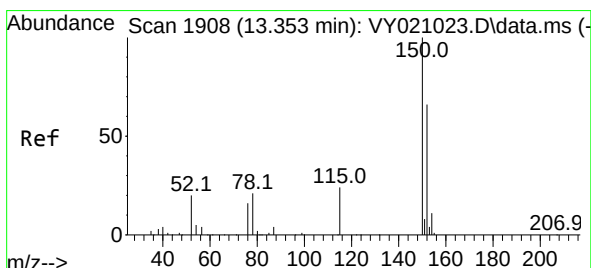
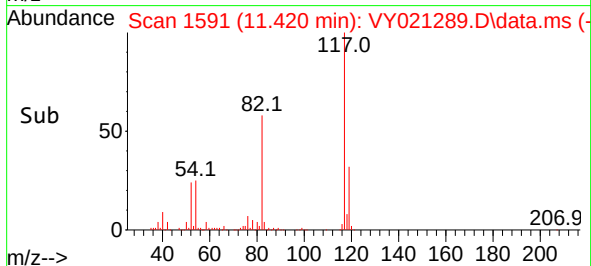
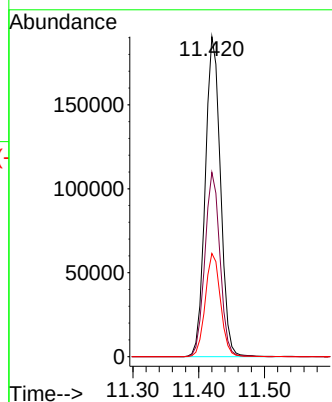
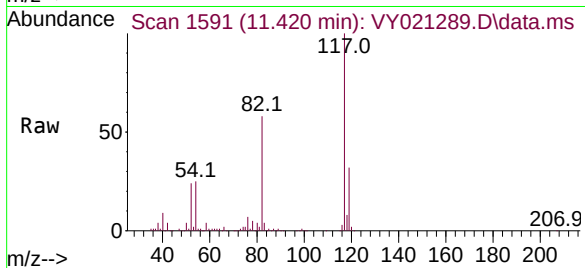
Tgt Ion:117 Resp: 306581

Ion Ratio Lower Upper

117 100

82 57.6 43.8 65.8

119 32.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021289.D

Acq: 21 Feb 2025 16:34

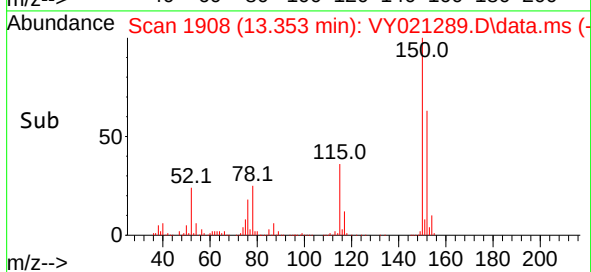
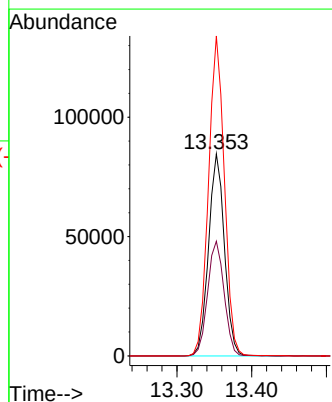
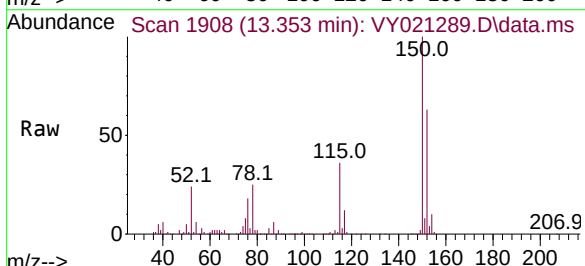
Tgt Ion:152 Resp: 125058

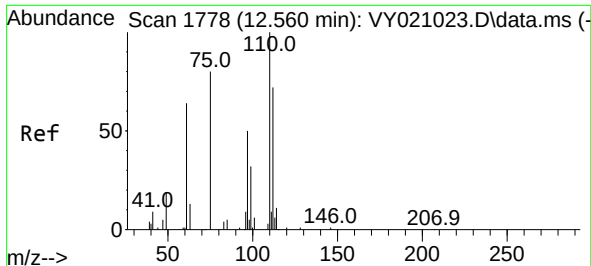
Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

150 157.8 0.0 344.6

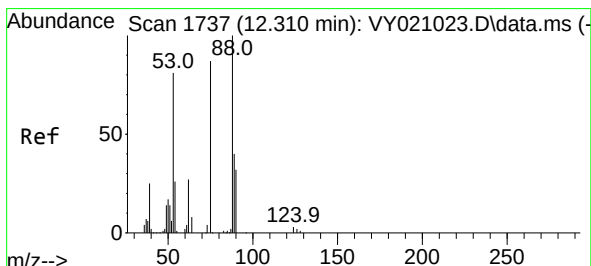
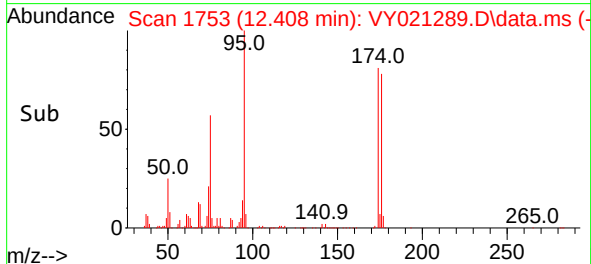
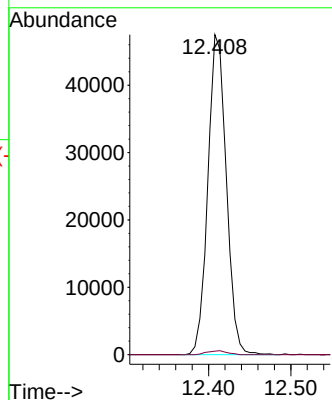
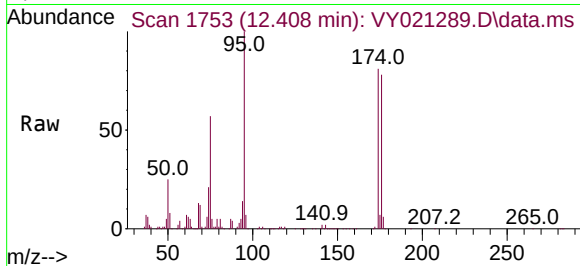




#76
1,2,3-Trichloropropane
Concen: 65.139 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-021725

Tgt Ion: 75 Resp: 73896
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.915 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021289.D
Acq: 21 Feb 2025 16:34

Tgt Ion: 75 Resp: 73896
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

