

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021285.D
 Acq On : 21 Feb 2025 15:00
 Operator : SY/MD
 Sample : Q1383-13
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-17-021725

Quant Time: Feb 21 23:08:21 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)

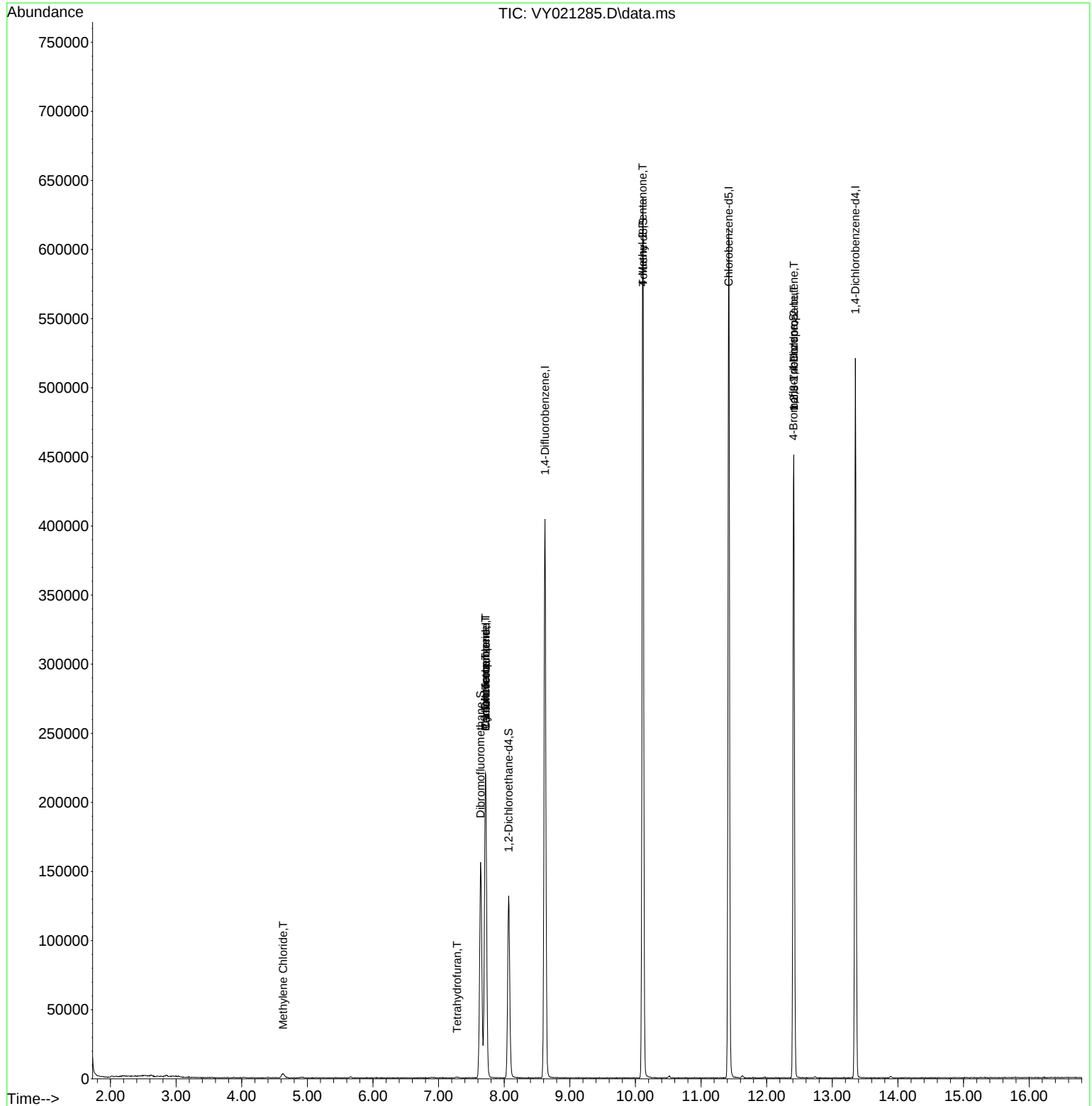
Internal Standards						
1) Pentafluorobenzene	7.719	168	169502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	329422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	311982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	121669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	106392	61.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.520%	
35) Dibromofluoromethane	7.640	113	108800	51.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.115	98	410296	51.049	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.100%	
62) 4-Bromofluorobenzene	12.408	95	130342	49.640	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.280%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.629	84	2064	1.226	ug/l	85
29) Tetrahydrofuran	7.281	42	461	1.531	ug/l #	66
31) Cyclohexane	7.713	56	4250	1.435	ug/l #	20
36) 1,1-Dichloropropene	7.713	75	13884	4.440	ug/l #	50
38) Carbon Tetrachloride	7.719	117	17232	4.716	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2120	1.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	73860	66.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	73860	136.551	ug/l #	12

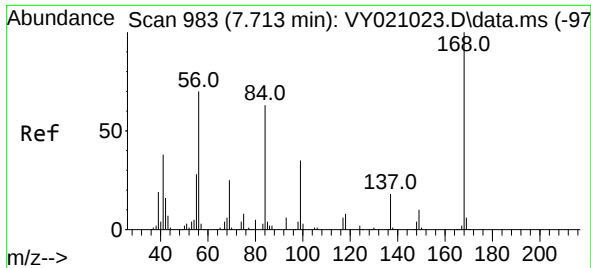
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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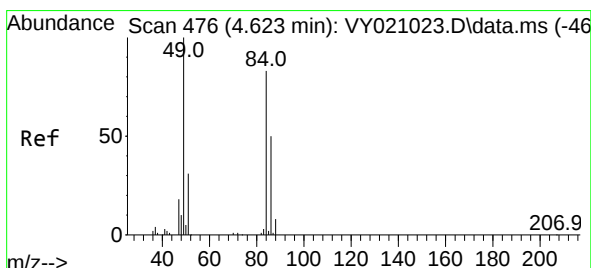
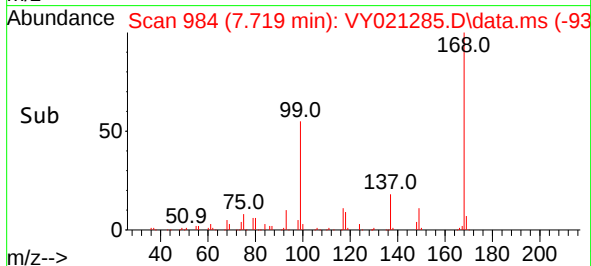
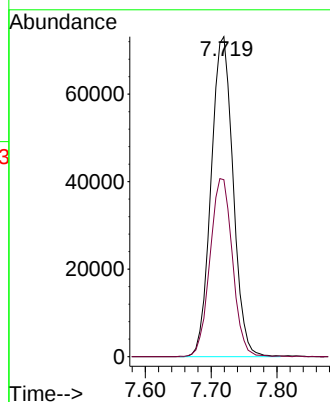
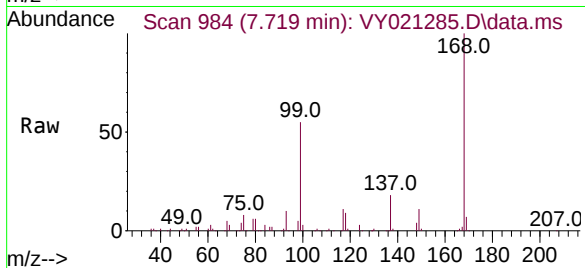




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

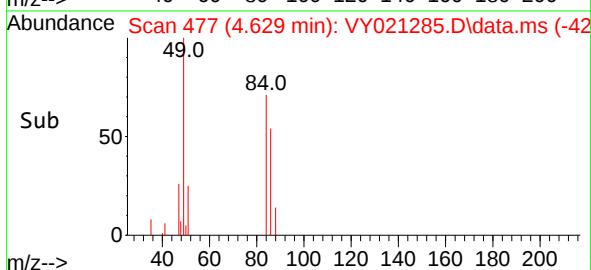
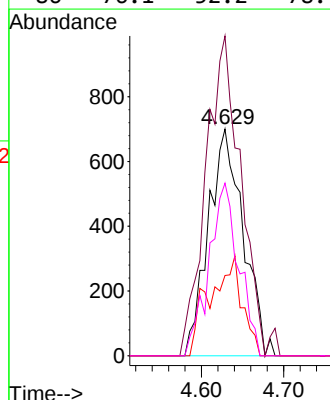
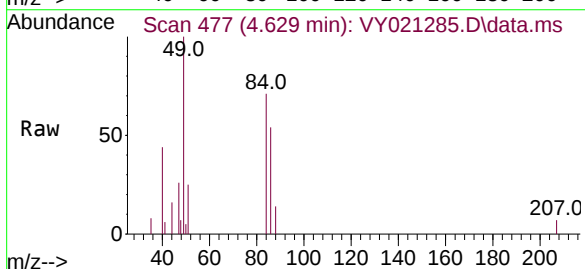
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-17-021725

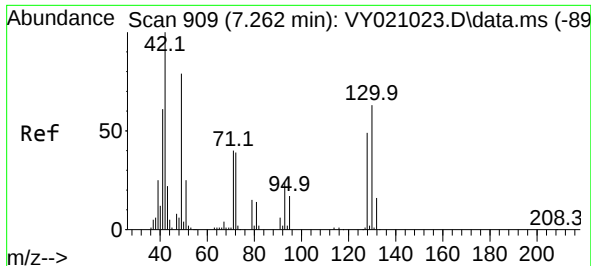
Tgt Ion:168 Resp: 169502
Ion Ratio Lower Upper
168 100
99 55.2 44.2 66.4



#20
Methylene Chloride
Concen: 1.226 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Tgt Ion: 84 Resp: 2064
Ion Ratio Lower Upper
84 100
49 141.1 95.2 142.8
51 35.4 29.9 44.9
86 76.1 52.2 78.4





#29

Tetrahydrofuran

Concen: 1.531 ug/l

RT: 7.281 min Scan# 91

Delta R.T. 0.018 min

Lab File: VY021285.D

Acq: 21 Feb 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-17-021725

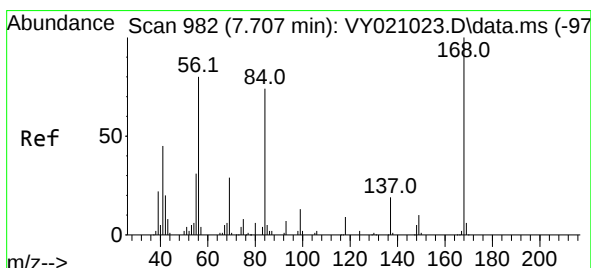
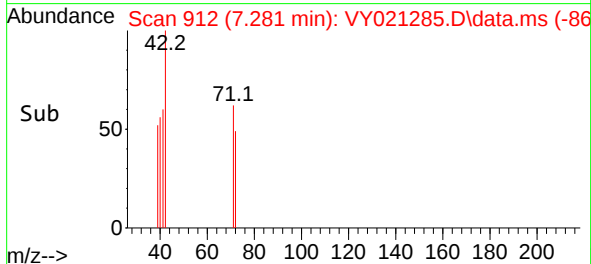
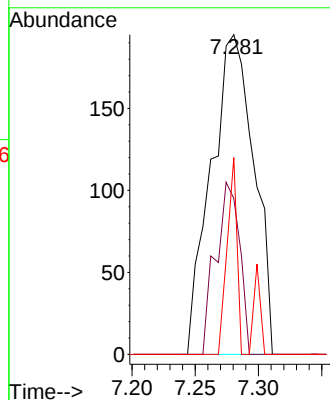
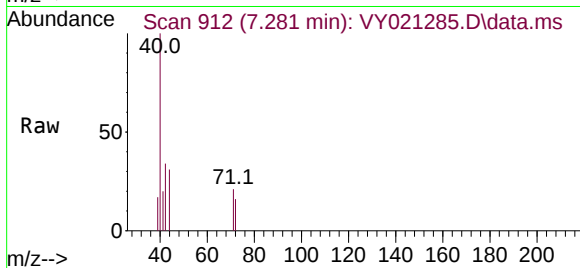
Tgt Ion: 42 Resp: 461

Ion Ratio Lower Upper

42 100

72 29.9 36.6 54.8#

71 14.1 33.8 50.6#



#31

Cyclohexane

Concen: 1.435 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.006 min

Lab File: VY021285.D

Acq: 21 Feb 2025 15:00

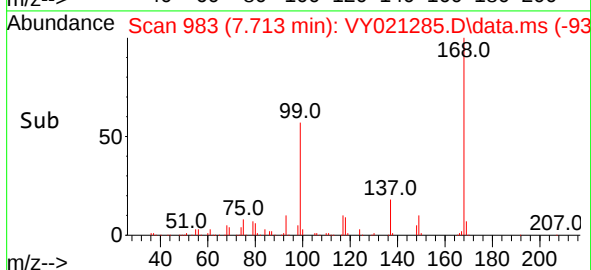
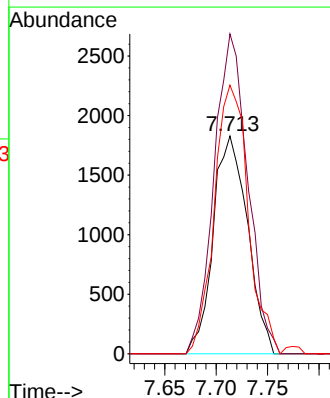
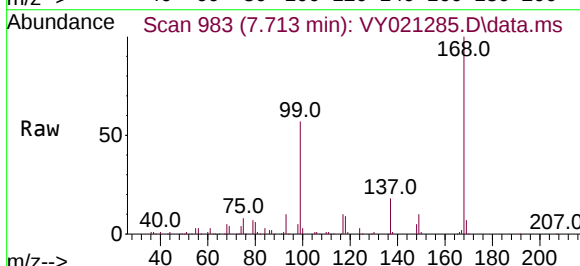
Tgt Ion: 56 Resp: 4250

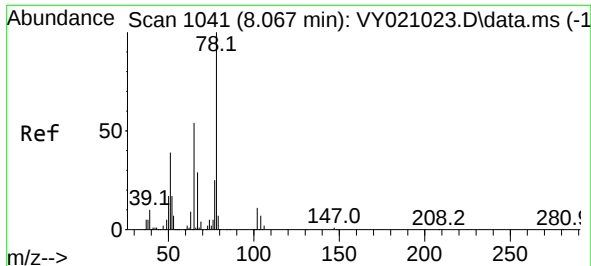
Ion Ratio Lower Upper

56 100

69 146.9 27.0 40.6#

84 123.3 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 61.262 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021285.D

Acq: 21 Feb 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

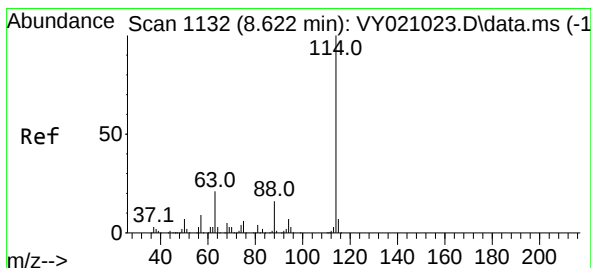
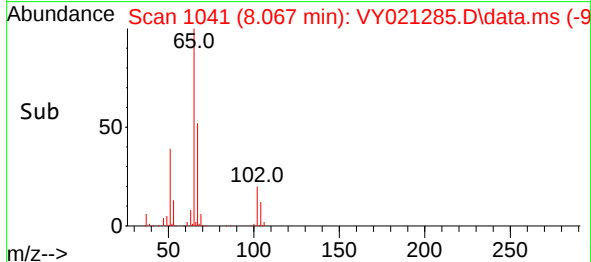
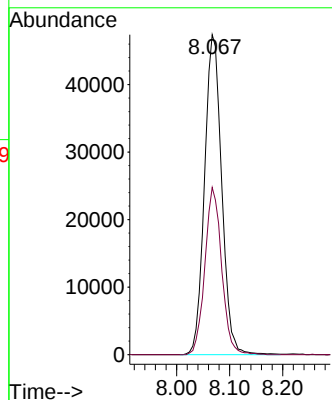
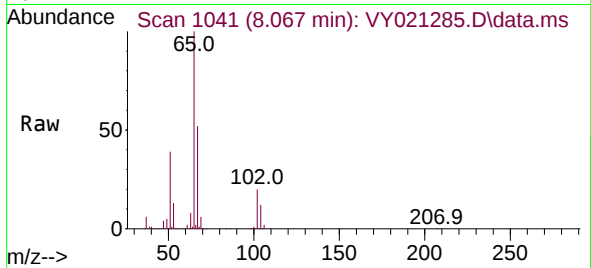
OU4-PCS-TC-17-021725

Tgt Ion: 65 Resp: 106392

Ion Ratio Lower Upper

65 100

67 51.0 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: VY021285.D

Acq: 21 Feb 2025 15:00

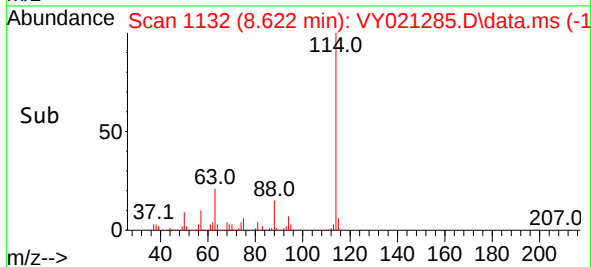
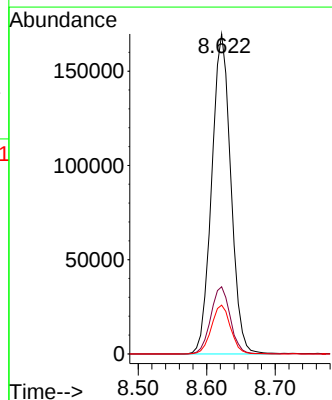
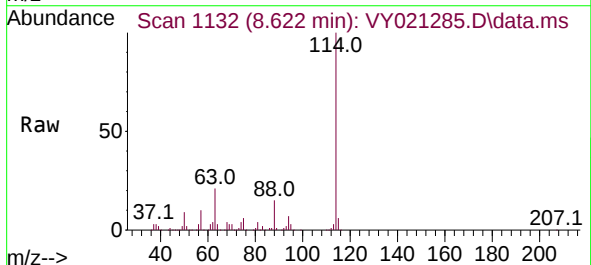
Tgt Ion: 114 Resp: 329422

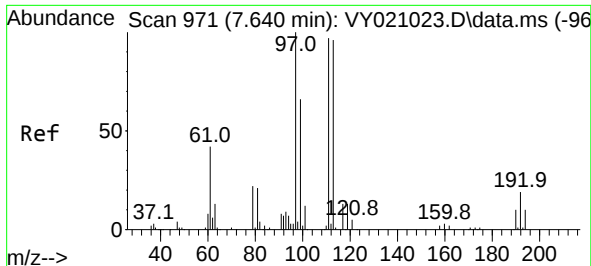
Ion Ratio Lower Upper

114 100

63 21.0 0.0 37.4

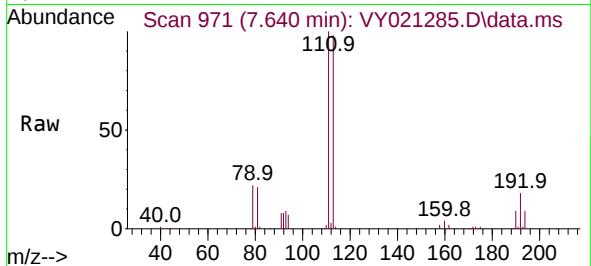
88 15.2 0.0 29.0



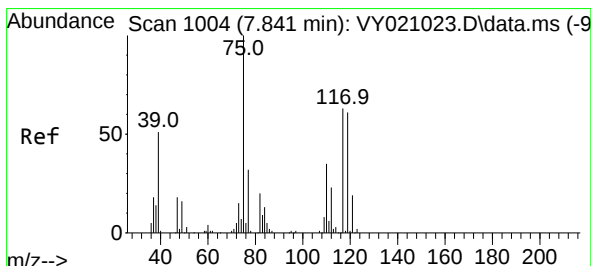
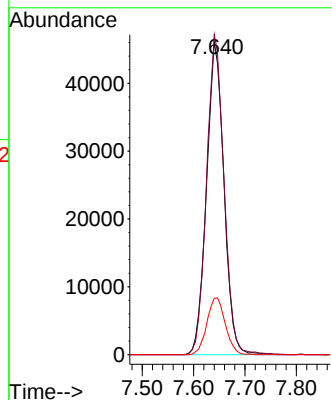
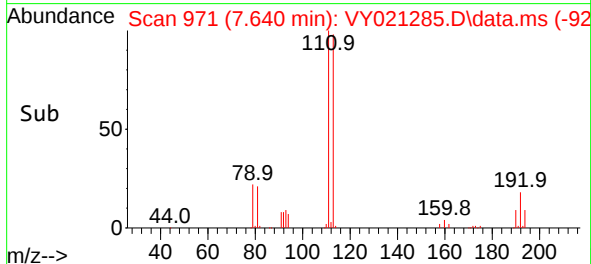


#35
Dibromofluoromethane
Concen: 51.536 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

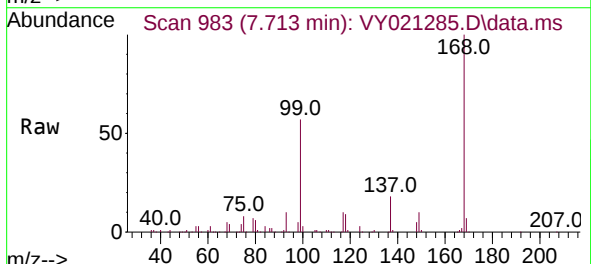
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-17-021725



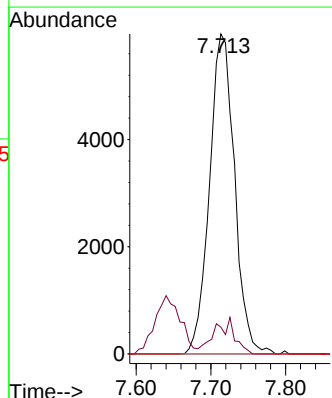
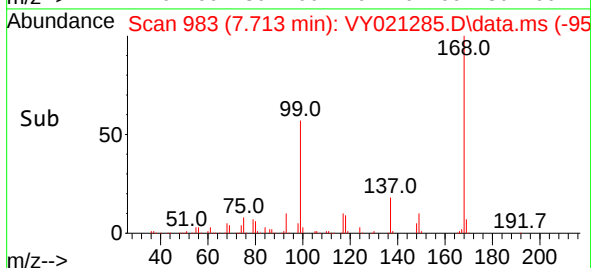
Tgt Ion:113 Resp: 108800
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 19.1 14.5 21.7

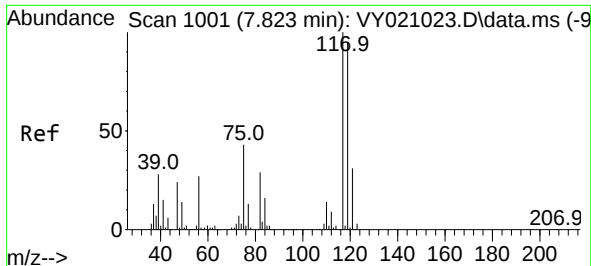


#36
1,1-Dichloropropene
Concen: 4.440 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00



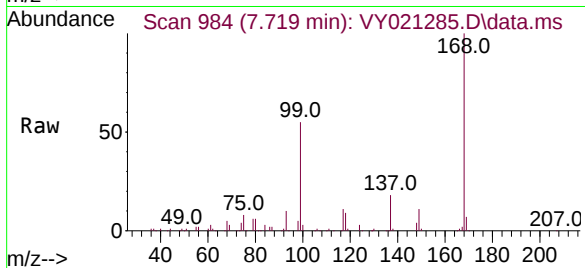
Tgt Ion: 75 Resp: 13884
Ion Ratio Lower Upper
75 100
110 9.0 17.4 52.3#
77 0.0 24.7 37.1#



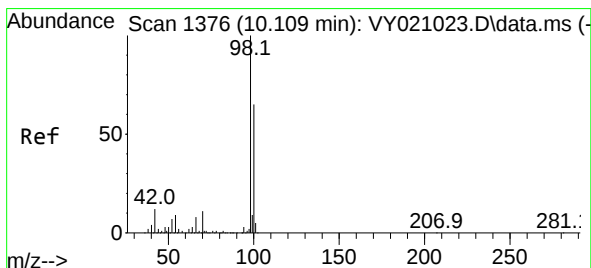
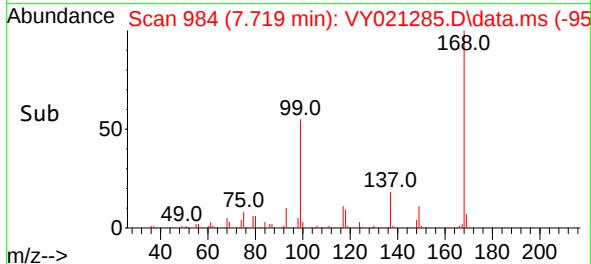
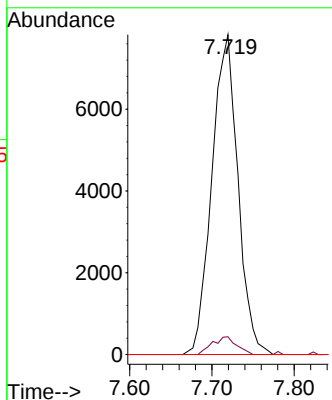


#38
Carbon Tetrachloride
Concen: 4.716 ug/l
RT: 7.719 min Scan# 98
Delta R.T. -0.104 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-17-021725

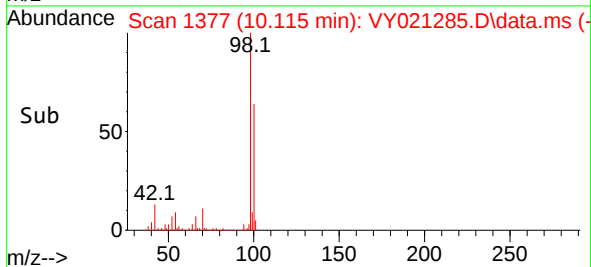
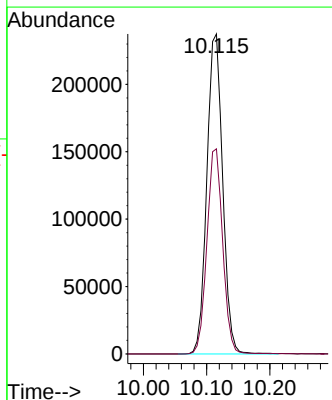
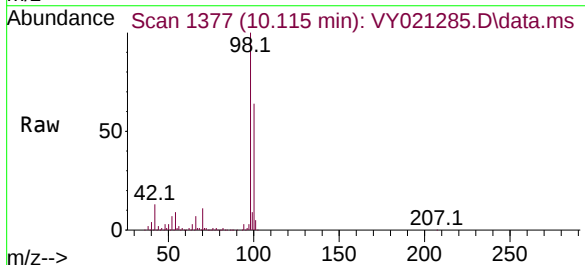


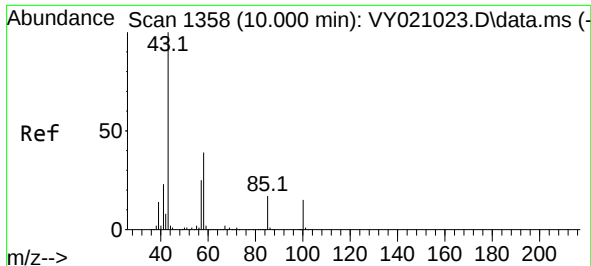
Tgt Ion:117 Resp: 17232
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.049 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Tgt Ion: 98 Resp: 410296
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5

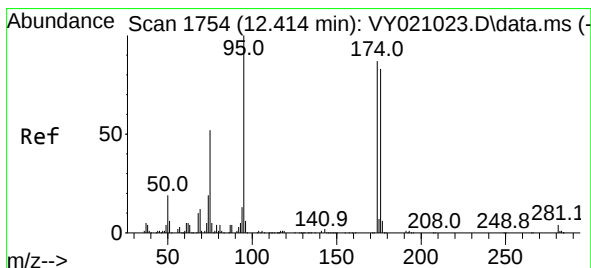
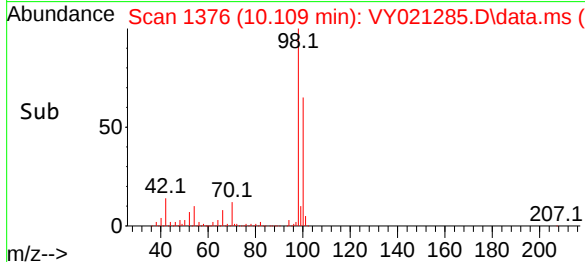
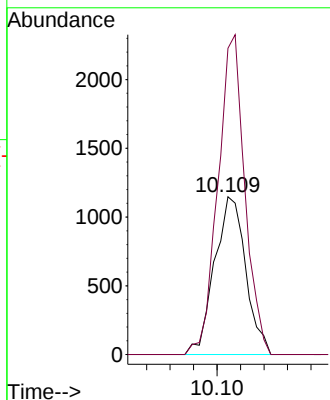
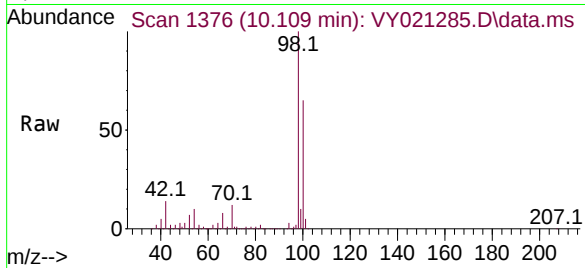




#51
4-Methyl-2-Pentanone
Concen: 1.547 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

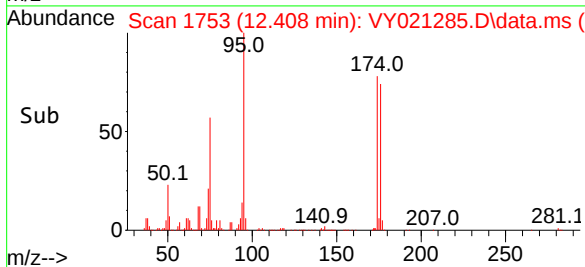
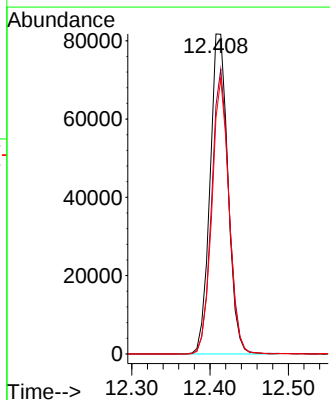
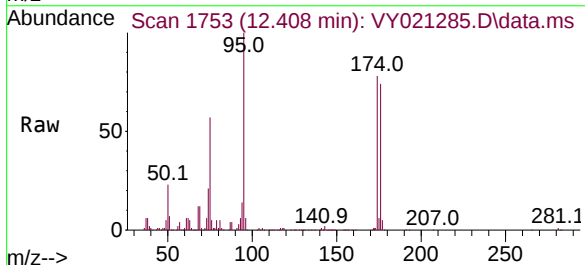
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ClientSampleId :
OU4-PCS-TC-17-021725

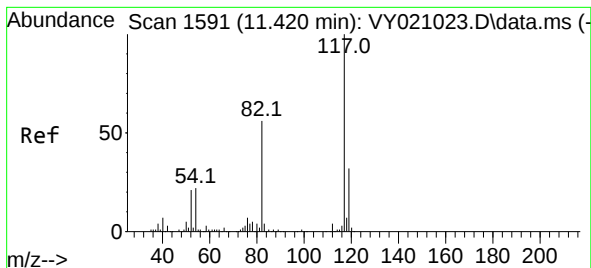
Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 174.9 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 49.640 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Tgt Ion: 95 Resp: 130342
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: VY021285.D

Acq: 21 Feb 2025 15:00

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-17-021725

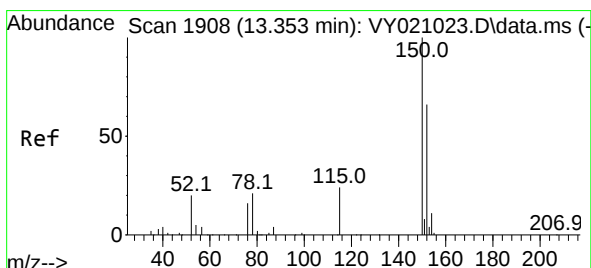
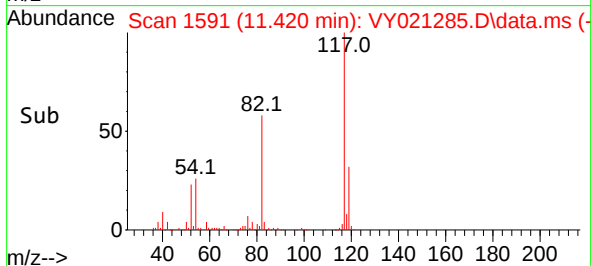
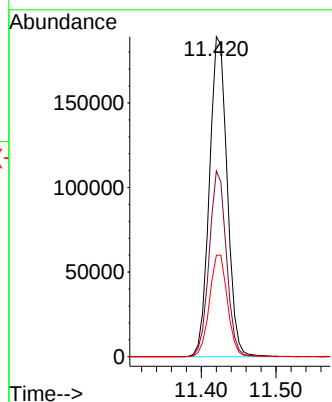
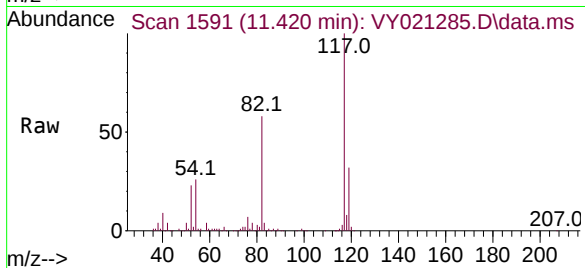
Tgt Ion:117 Resp: 311982

Ion Ratio Lower Upper

117 100

82 58.0 43.8 65.8

119 31.7 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: VY021285.D

Acq: 21 Feb 2025 15:00

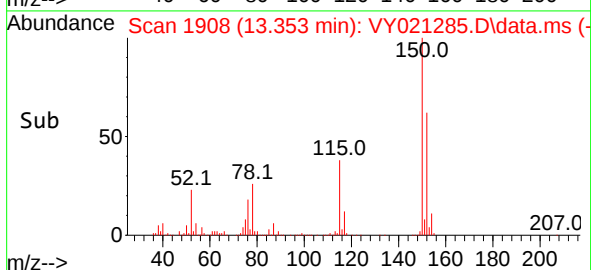
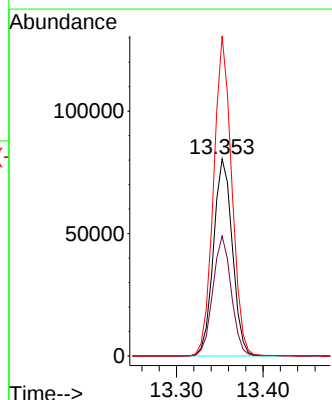
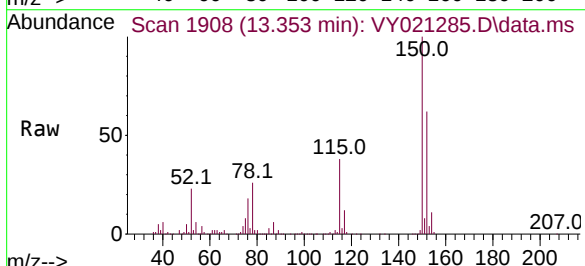
Tgt Ion:152 Resp: 121669

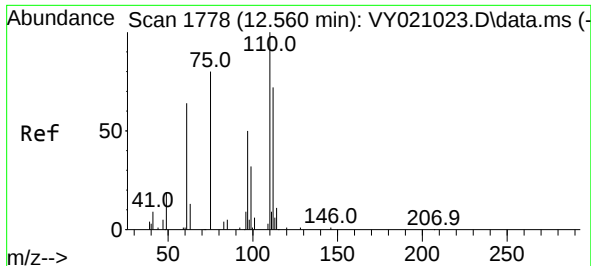
Ion Ratio Lower Upper

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115 59.4 30.0 90.0

150 156.6 0.0 344.6

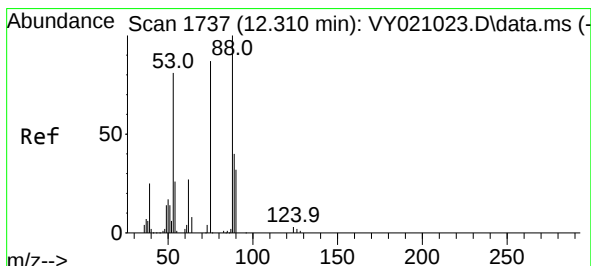
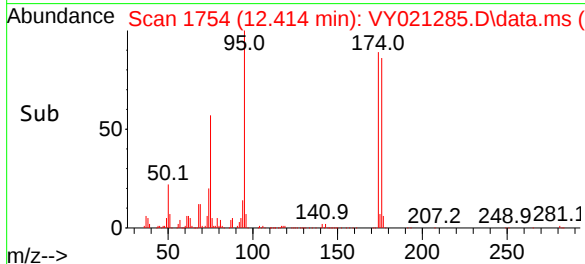
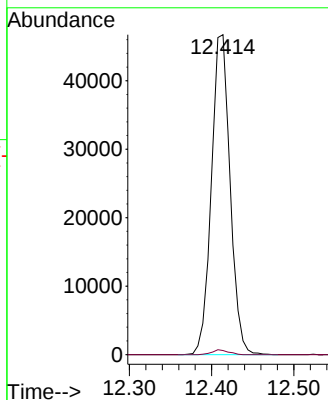
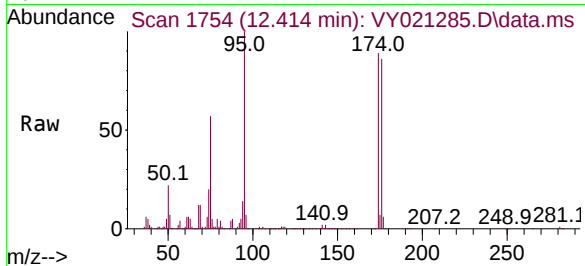




#76
1,2,3-Trichloropropane
Concen: 66.921 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion: 75 Resp: 73860
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.551 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021285.D
Acq: 21 Feb 2025 15:00

Tgt Ion: 75 Resp: 73860
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

