

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021244.D
 Acq On : 19 Feb 2025 18:09
 Operator : SY/MD
 Sample : Q1382-05
 Misc : 5.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-03-021725

Quant Time: Feb 20 00:21:41 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)

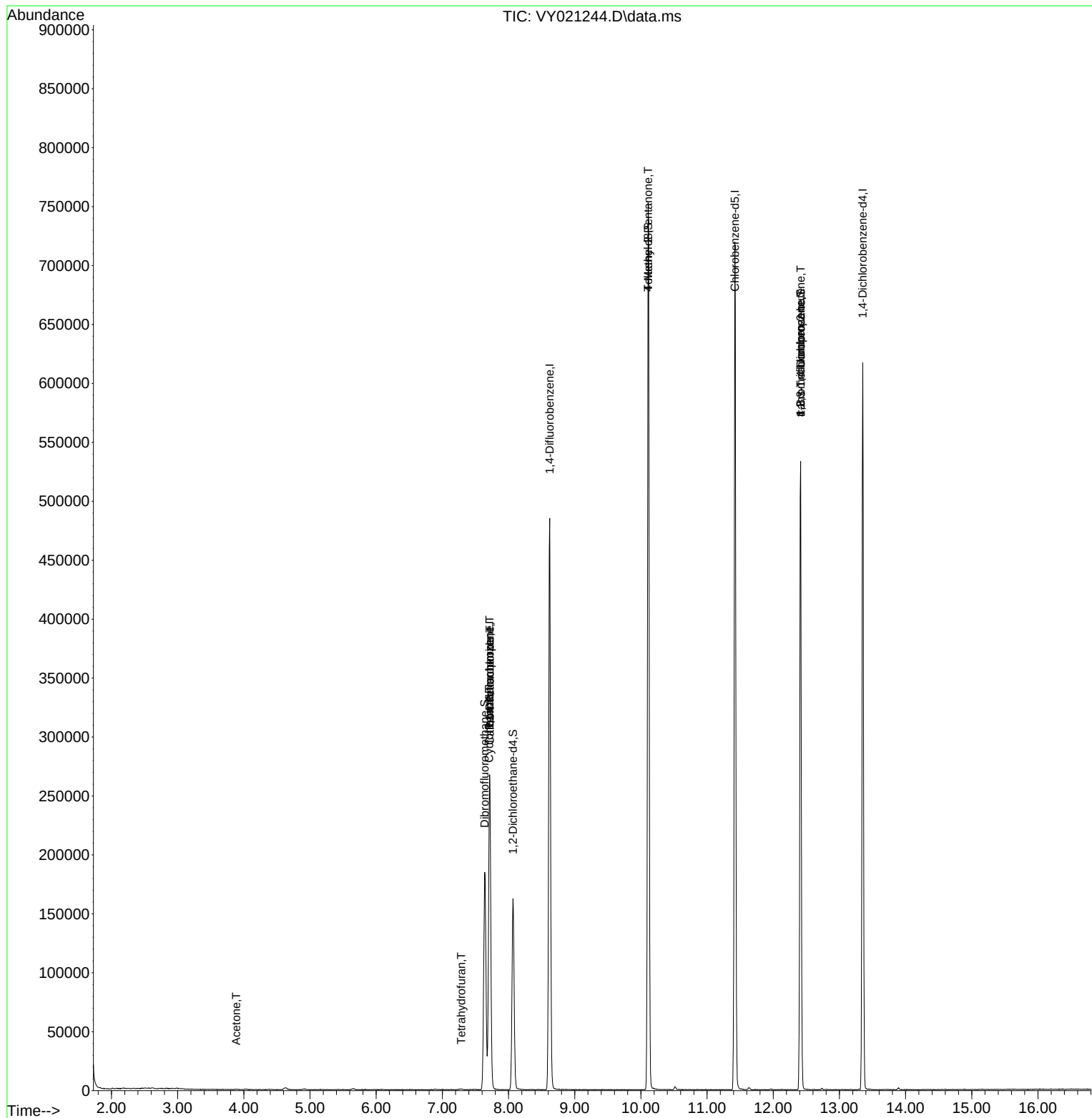
Internal Standards						
1) Pentafluorobenzene	7.713	168	207032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	397674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	367484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	147214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	129525	61.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.120%	
35) Dibromofluoromethane	7.640	113	130403	51.167	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.340%	
50) Toluene-d8	10.109	98	483051	49.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.580%	
62) 4-Bromofluorobenzene	12.414	95	160823	50.736	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	414	1.252	ug/l #	41
29) Tetrahydrofuran	7.287	42	513	1.395	ug/l #	81
31) Cyclohexane	7.707	56	4649	1.285	ug/l #	9
36) 1,1-Dichloropropene	7.713	75	16477	4.365	ug/l #	49
38) Carbon Tetrachloride	7.720	117	21292	4.827	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2295	1.387	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	87400	65.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	87400	133.545	ug/l #	12

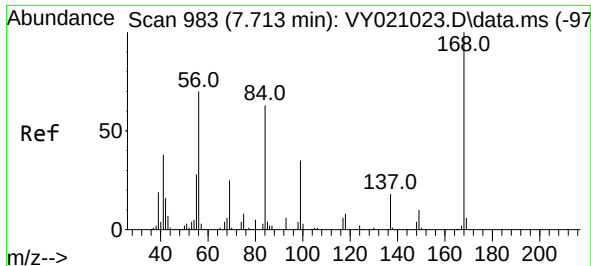
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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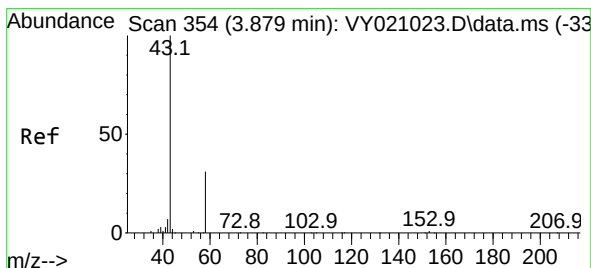
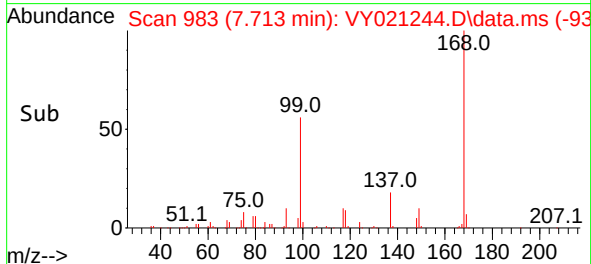
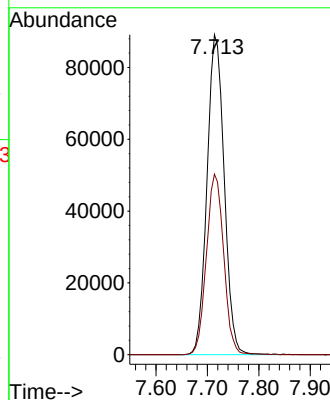
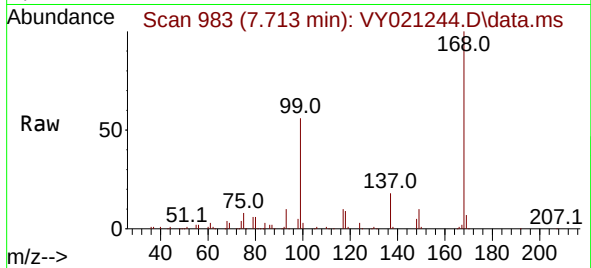




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

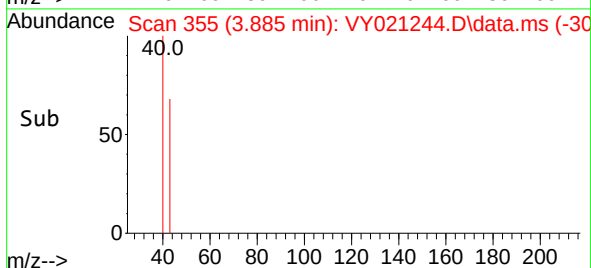
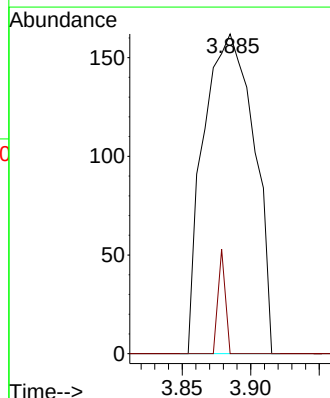
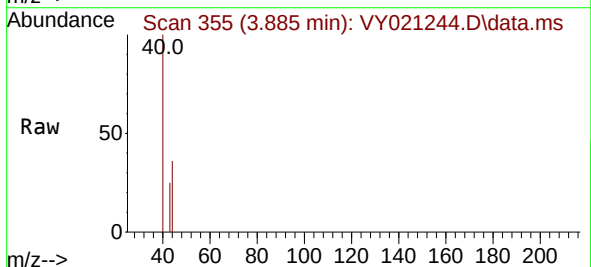
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-03-021725

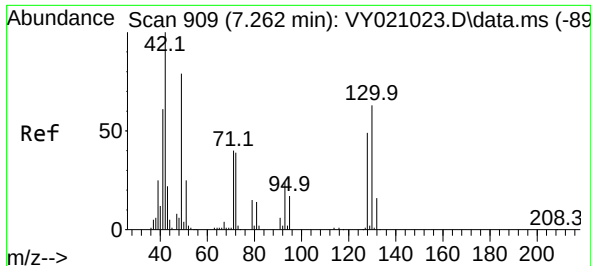
Tgt Ion:168 Resp: 207032
Ion Ratio Lower Upper
168 100
99 56.4 44.2 66.4



#16
Acetone
Concen: 1.252 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#





#29

Tetrahydrofuran

Concen: 1.395 ug/l

RT: 7.287 min Scan# 913

Delta R.T. 0.024 min

Lab File: VY021244.D

Acq: 19 Feb 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-03-021725

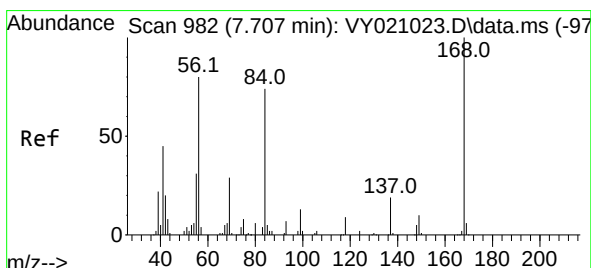
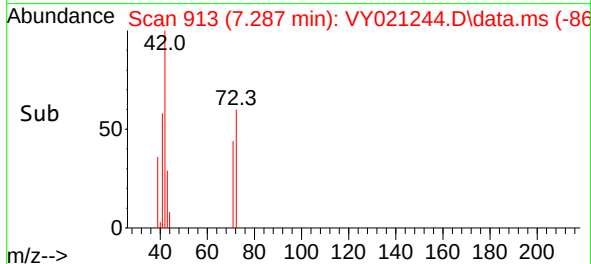
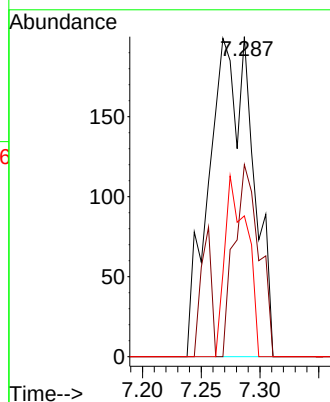
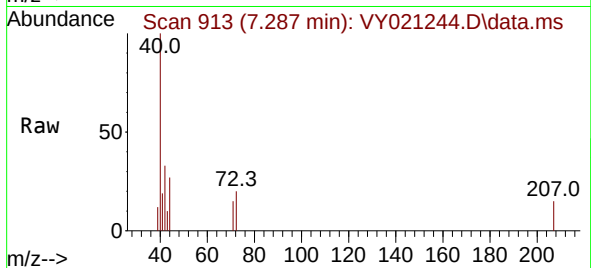
Tgt Ion: 42 Resp: 513

Ion Ratio Lower Upper

42 100

72 34.7 36.6 54.8#

71 29.0 33.8 50.6#



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY021244.D

Acq: 19 Feb 2025 18:09

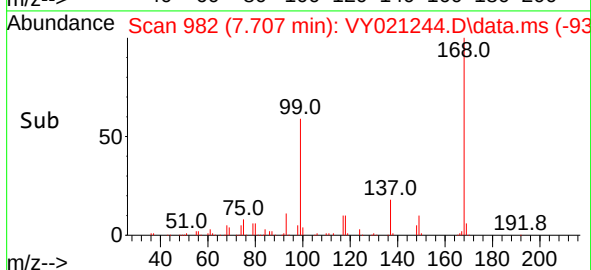
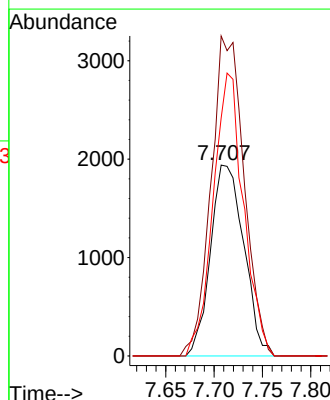
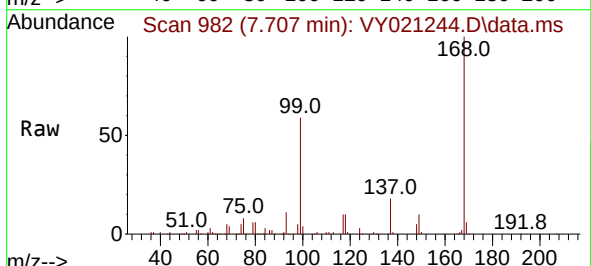
Tgt Ion: 56 Resp: 4649

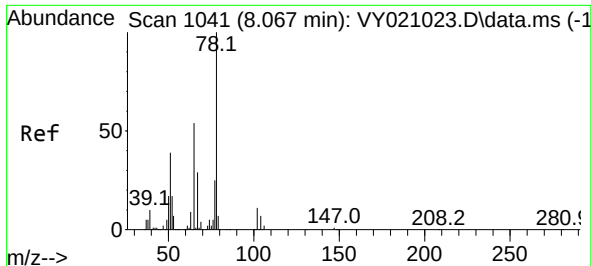
Ion Ratio Lower Upper

56 100

69 167.7 27.0 40.6#

84 124.7 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 61.062 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY021244.D

Acq: 19 Feb 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

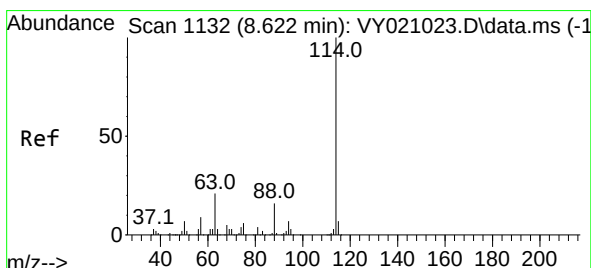
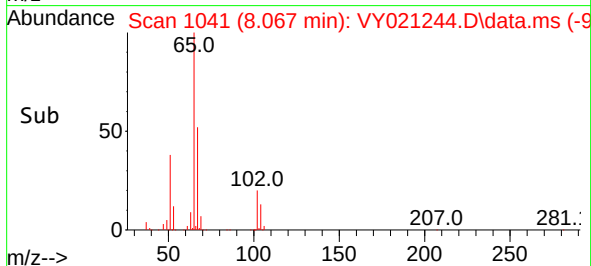
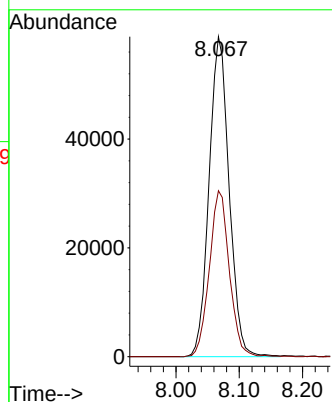
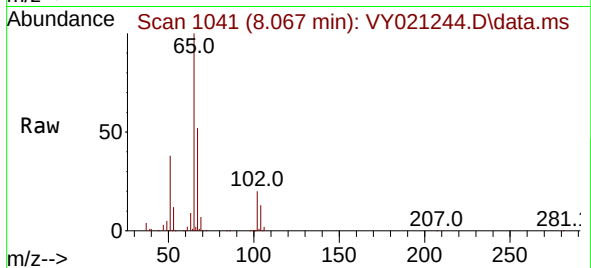
OU4-PCS-TC-03-021725

Tgt Ion: 65 Resp: 129525

Ion Ratio Lower Upper

65 100

67 51.8 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: VY021244.D

Acq: 19 Feb 2025 18:09

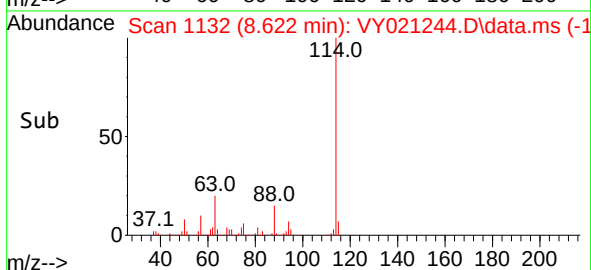
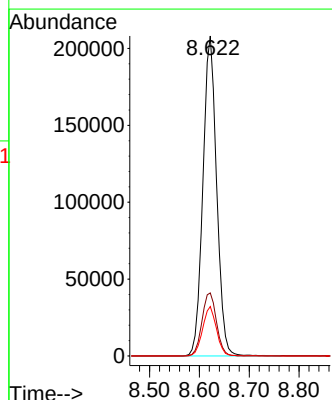
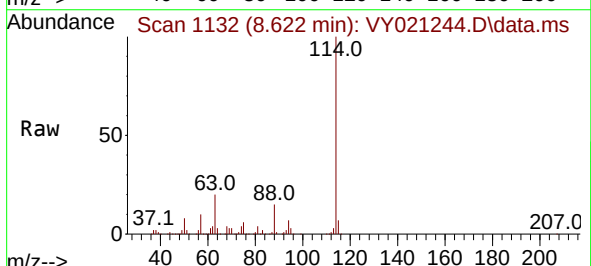
Tgt Ion: 114 Resp: 397674

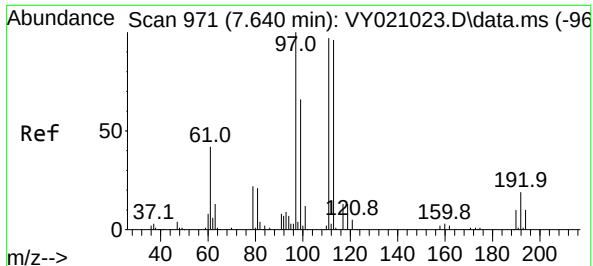
Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 15.5 0.0 29.0

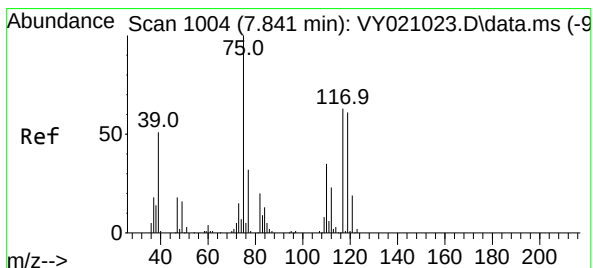
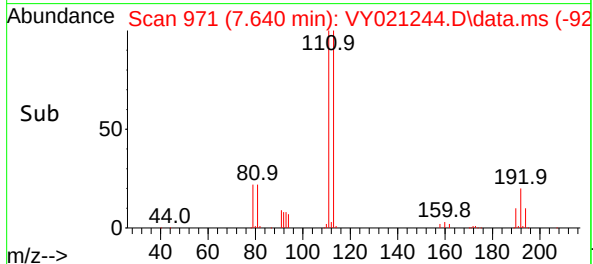
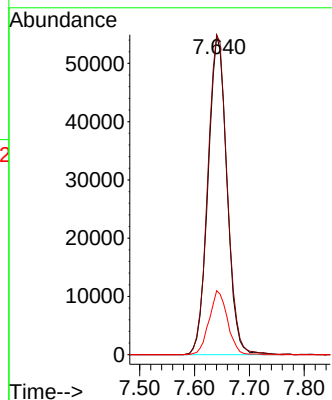
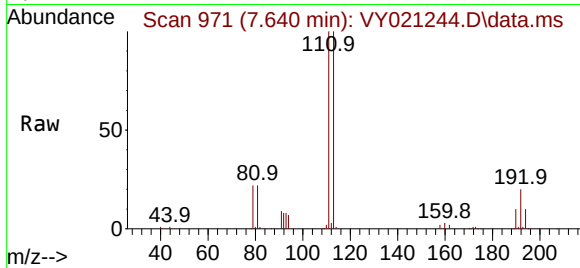




#35
Dibromofluoromethane
Concen: 51.167 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

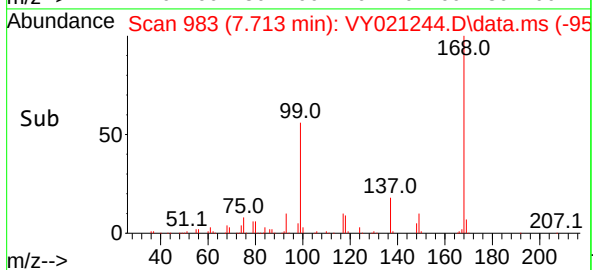
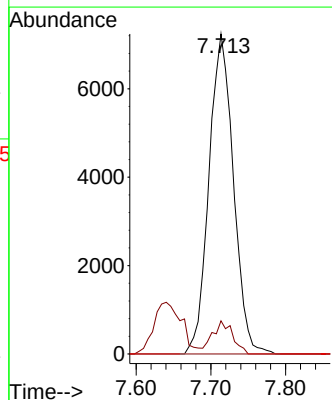
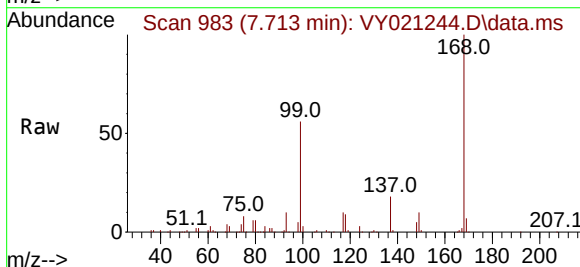
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-03-021725

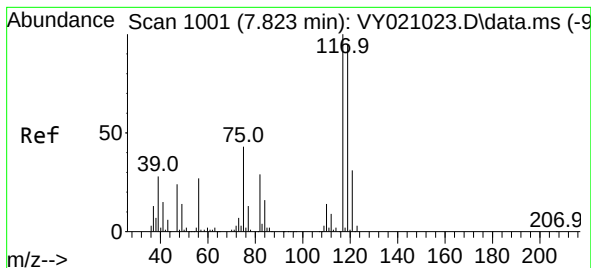
Tgt Ion:113 Resp: 130403
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.6
192 19.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 75 Resp: 16477
Ion Ratio Lower Upper
75 100
110 8.4 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.827 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY021244.D

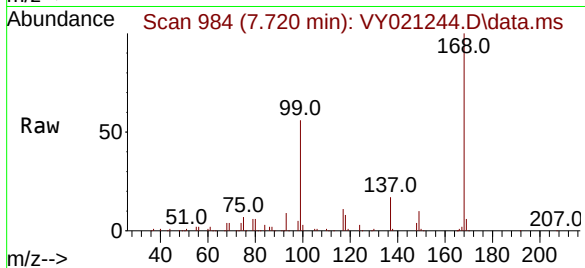
Acq: 19 Feb 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-03-021725



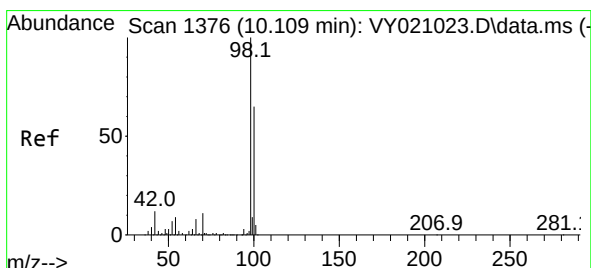
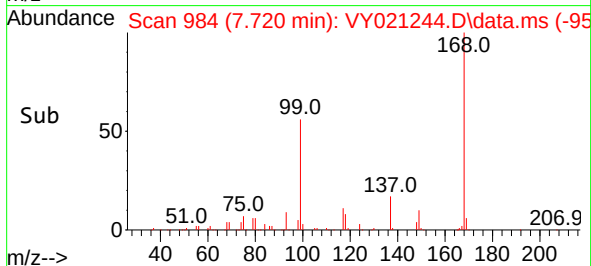
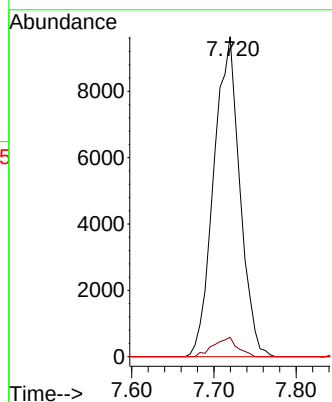
Tgt Ion:117 Resp: 21292

Ion Ratio Lower Upper

117 100

119 6.0 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.786 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021244.D

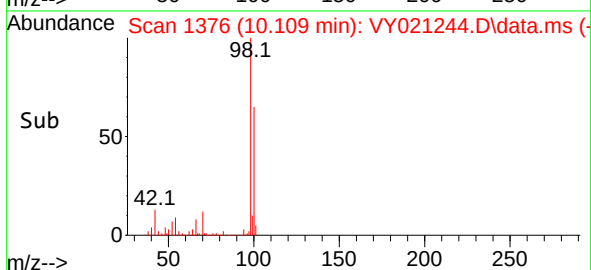
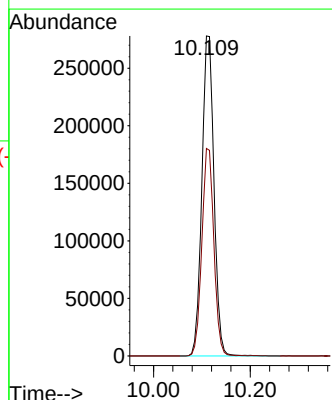
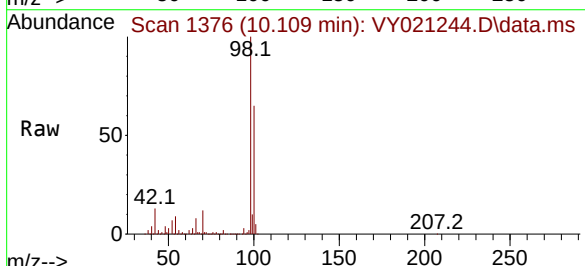
Acq: 19 Feb 2025 18:09

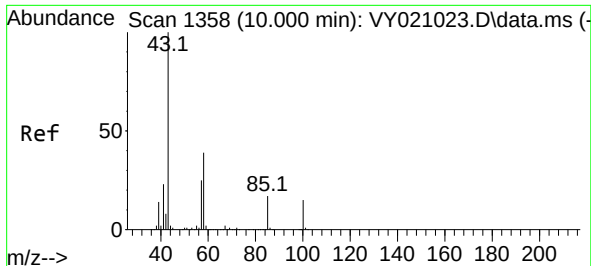
Tgt Ion: 98 Resp: 483051

Ion Ratio Lower Upper

98 100

100 64.4 52.3 78.5

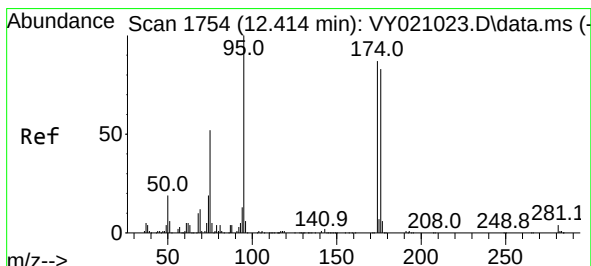
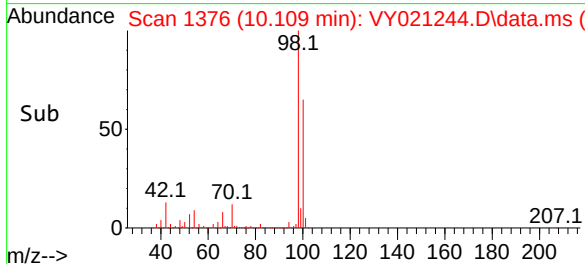
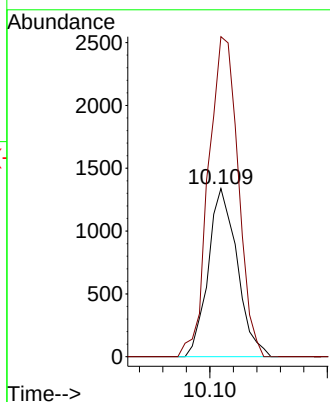
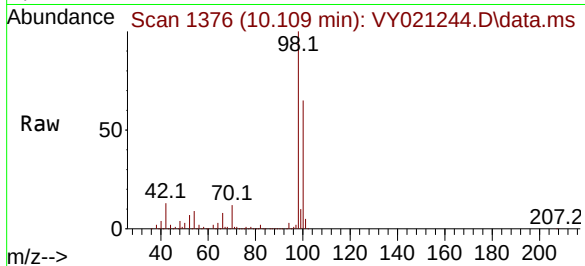




#51
4-Methyl-2-Pentanone
Concen: 1.387 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

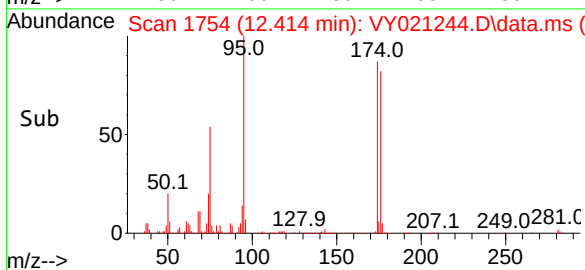
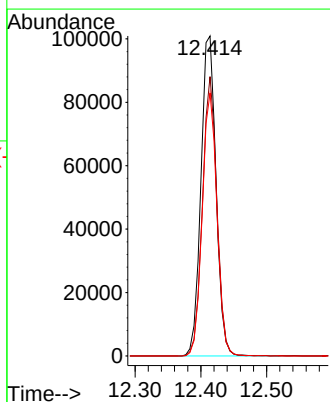
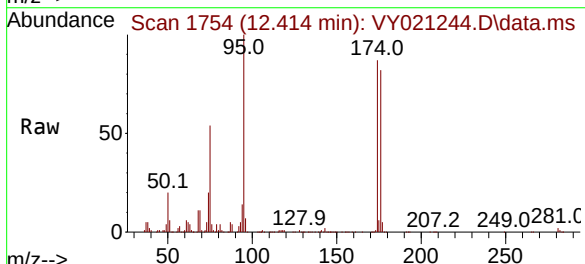
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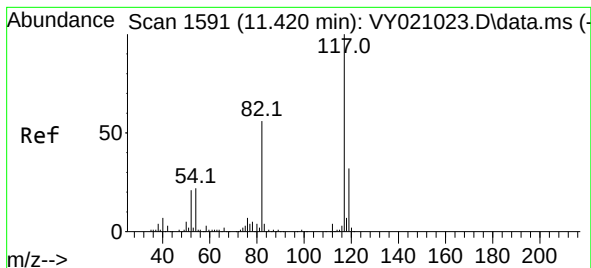
Tgt Ion: 43 Resp: 2295
Ion Ratio Lower Upper
43 100
58 194.8 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 50.736 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 95 Resp: 160823
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.0
176 80.2 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: VY021244.D

Acq: 19 Feb 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-03-021725

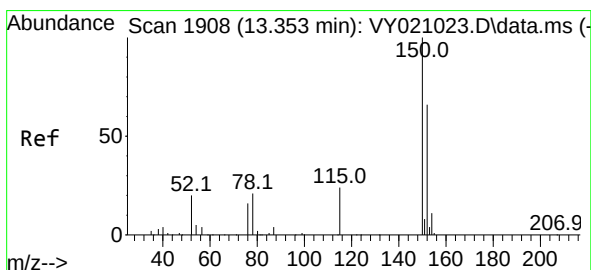
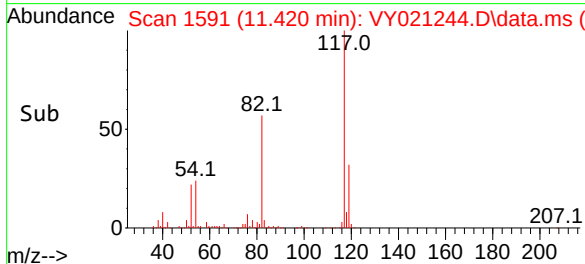
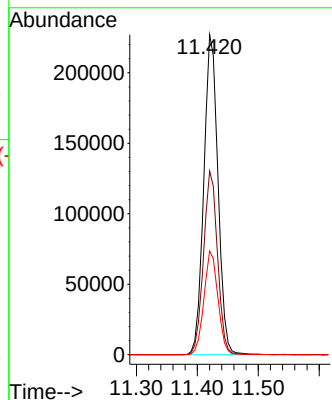
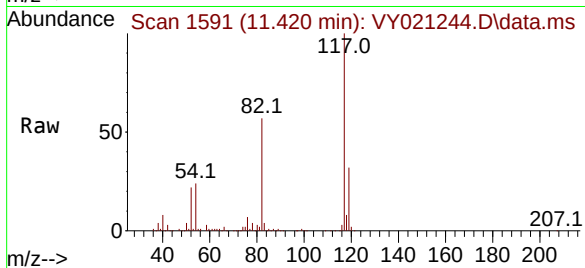
Tgt Ion:117 Resp: 367484

Ion Ratio Lower Upper

117 100

82 57.4 43.8 65.8

119 32.4 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: VY021244.D

Acq: 19 Feb 2025 18:09

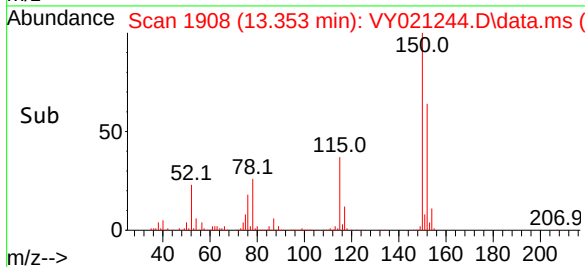
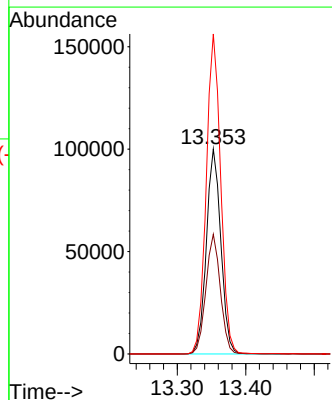
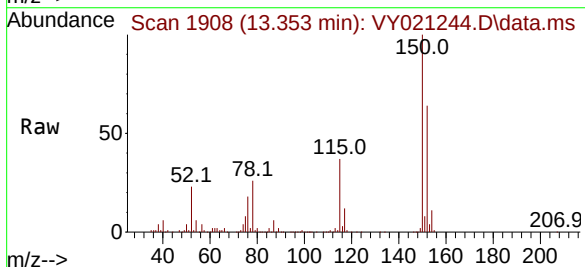
Tgt Ion:152 Resp: 147214

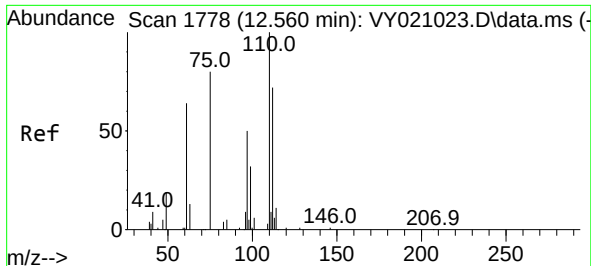
Ion Ratio Lower Upper

152 100

115 58.6 30.0 90.0

150 155.9 0.0 344.6

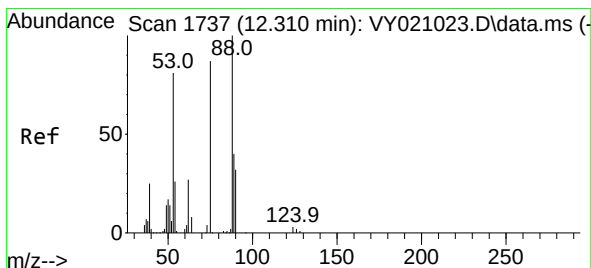
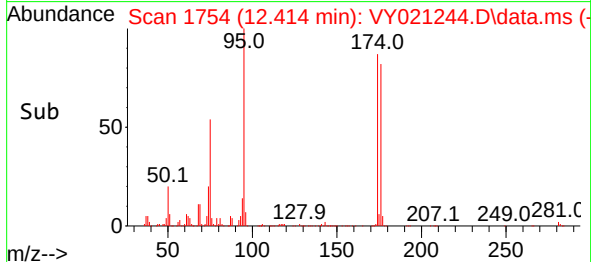
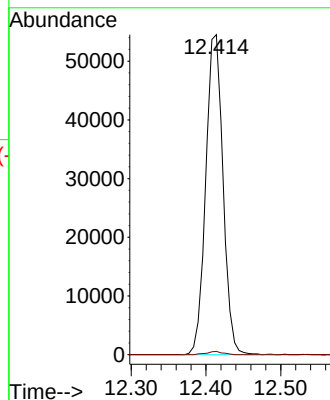
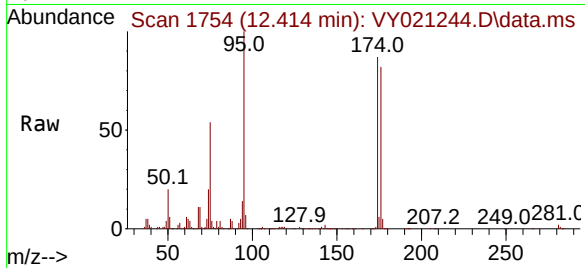




#76
1,2,3-Trichloropropane
Concen: 65.448 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-03-021725

Tgt Ion: 75 Resp: 87400
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.545 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY021244.D
Acq: 19 Feb 2025 18:09

Tgt Ion: 75 Resp: 87400
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.1 36.5 54.7#

