

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021242.D
 Acq On : 19 Feb 2025 17:22
 Operator : SY/MD
 Sample : Q1382-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-01-021725

Quant Time: Feb 20 00:20:51 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

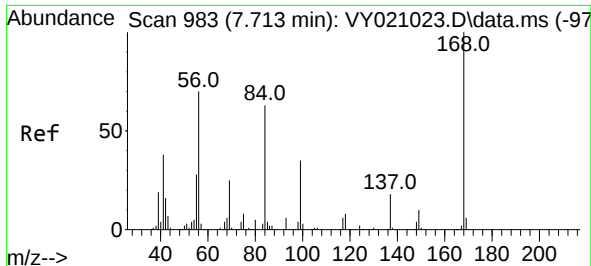
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.720	168	215345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	410030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	143607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	114803	52.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.060%	
35) Dibromofluoromethane	7.640	113	129417	49.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.500%	
50) Toluene-d8	10.109	98	495381	49.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.040%	
62) 4-Bromofluorobenzene	12.414	95	156897	48.006	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.020%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.713	56	4659	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	17253	4.433	ug/l #	50
38) Carbon Tetrachloride	7.713	117	21348	4.694	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2455	1.439	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	84722	65.036	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84722	132.705	ug/l #	12

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

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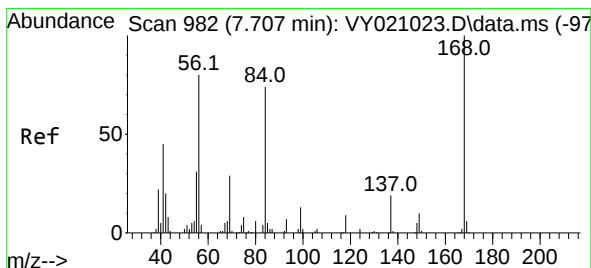
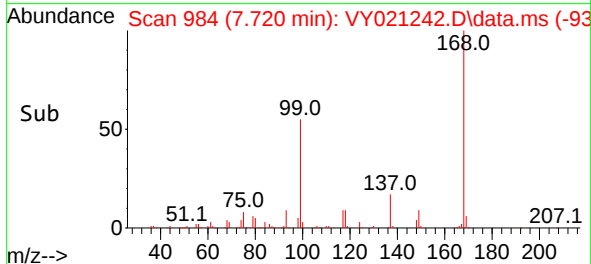
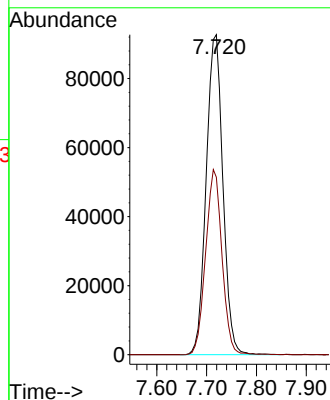
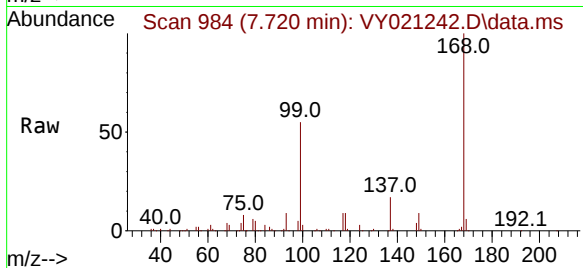




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

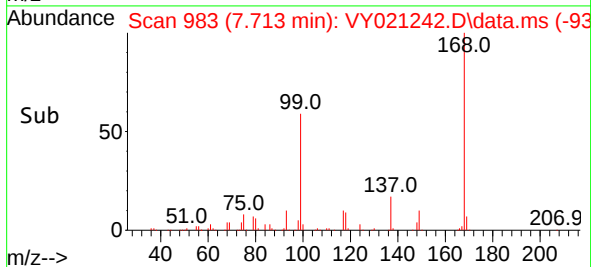
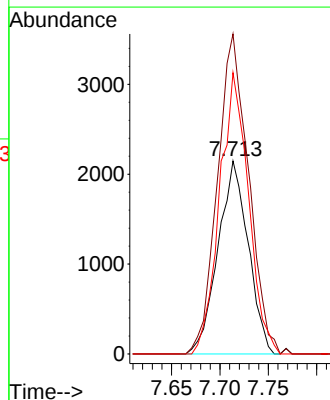
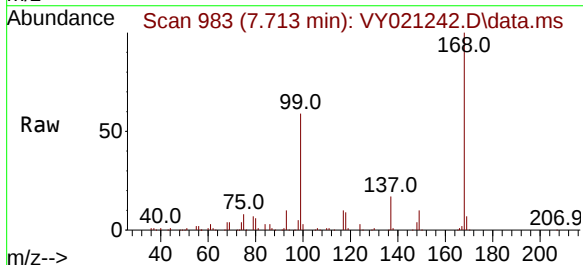
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-01-021725

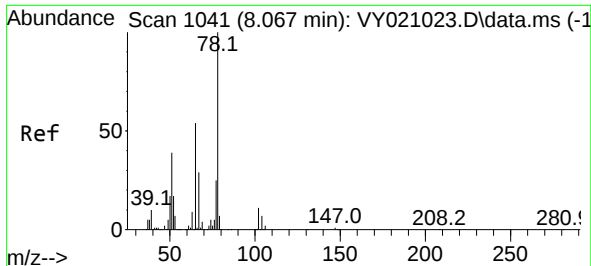
Tgt Ion:168 Resp: 215345
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 165.9 27.0 40.6#
84 145.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 52.032 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY021242.D

Acq: 19 Feb 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

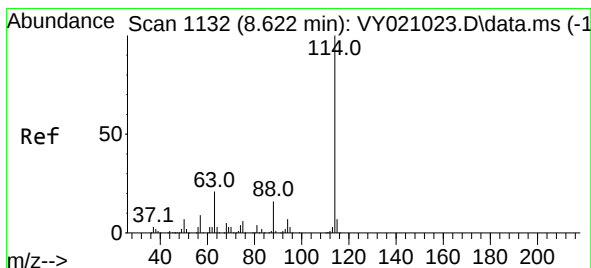
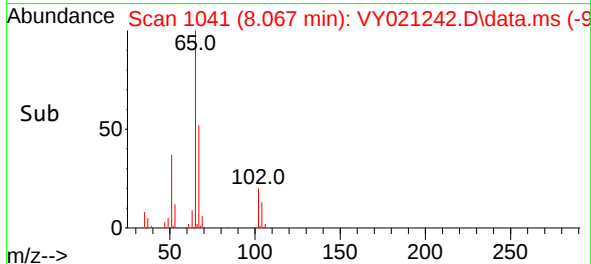
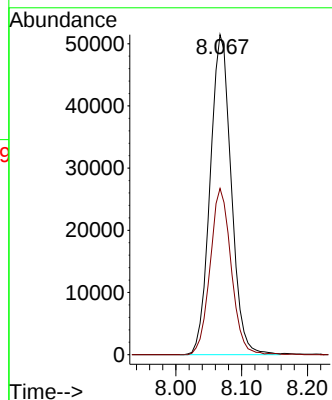
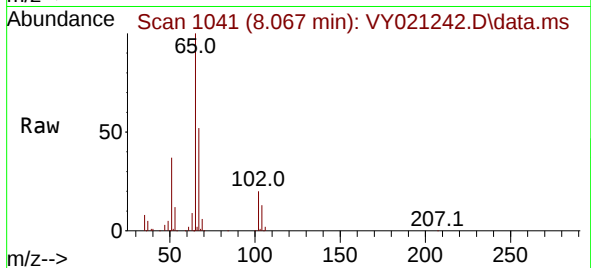
OU4-PCS-TC-01-021725

Tgt Ion: 65 Resp: 114803

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021242.D

Acq: 19 Feb 2025 17:22

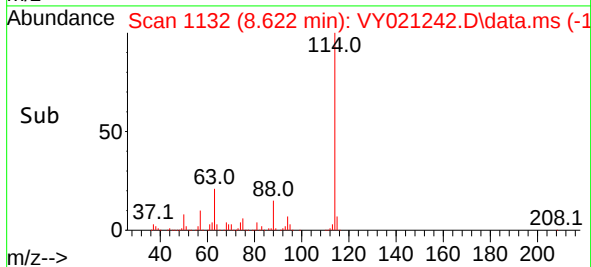
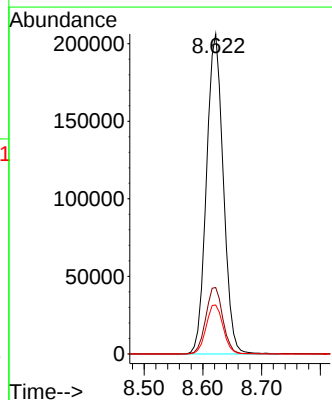
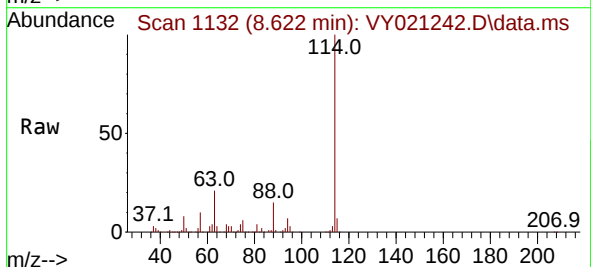
Tgt Ion:114 Resp: 410030

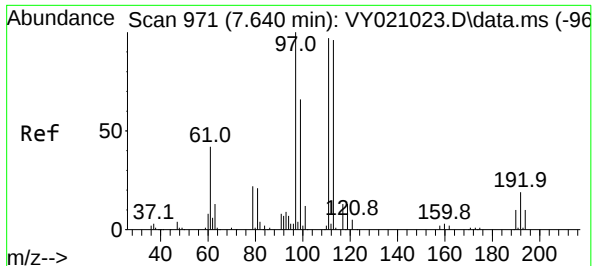
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 15.3 0.0 29.0

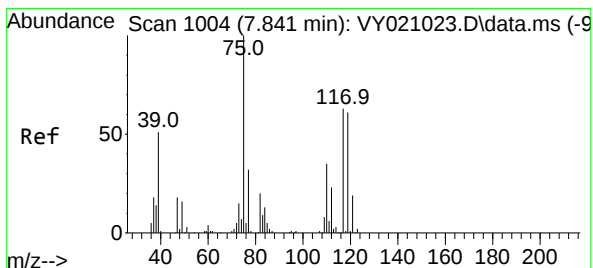
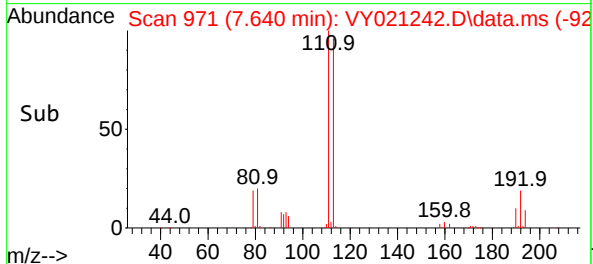
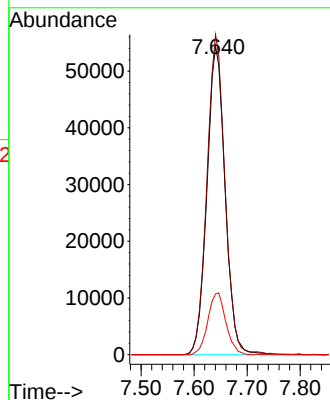
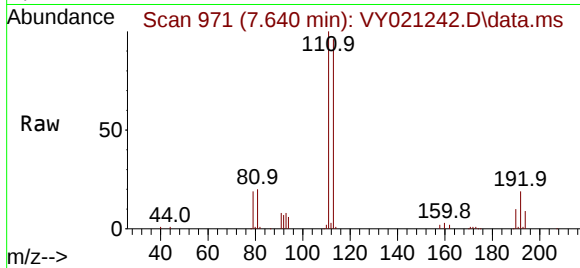




#35
Dibromofluoromethane
Concen: 49.250 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

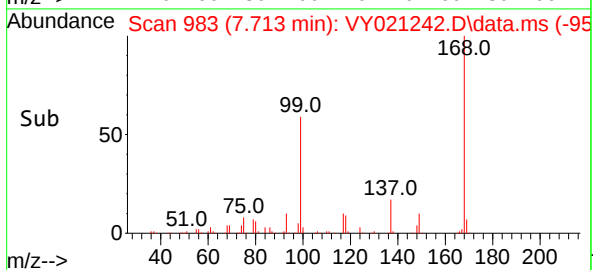
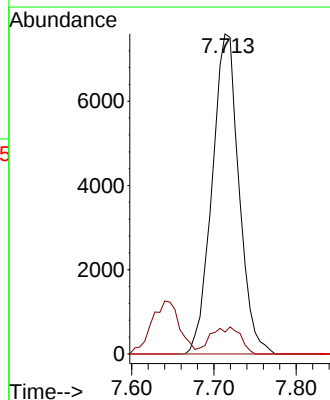
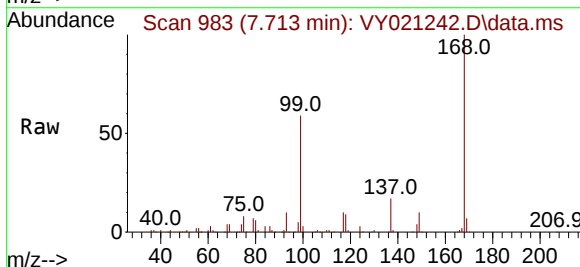
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-01-021725

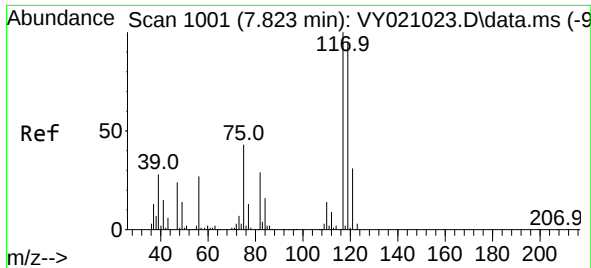
Tgt Ion:113 Resp: 129417
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.6
192 19.9 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.433 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 75 Resp: 17253
Ion Ratio Lower Upper
75 100
110 9.4 17.4 52.3#
77 0.0 24.7 37.1#

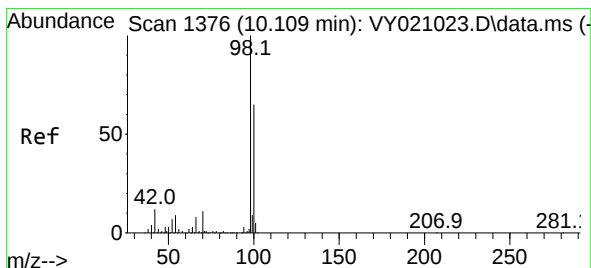
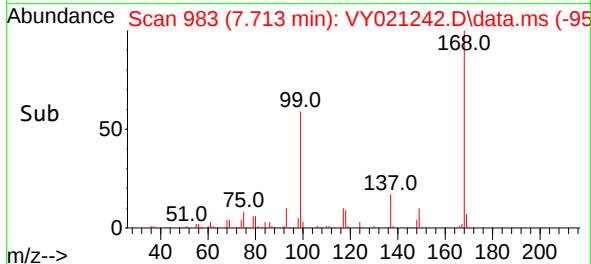
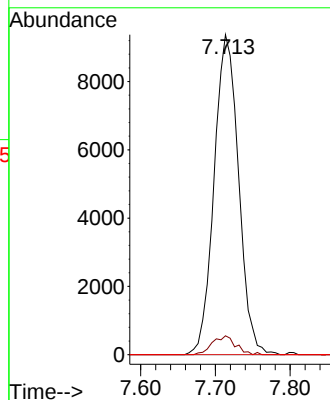
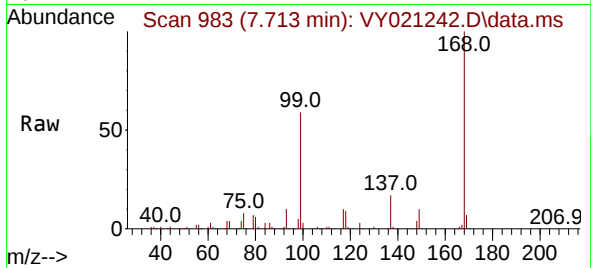




#38
Carbon Tetrachloride
Concen: 4.694 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

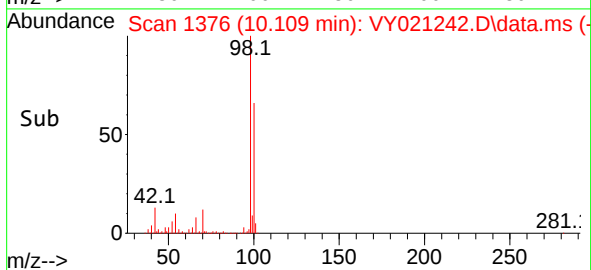
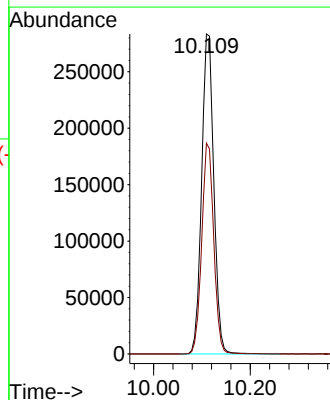
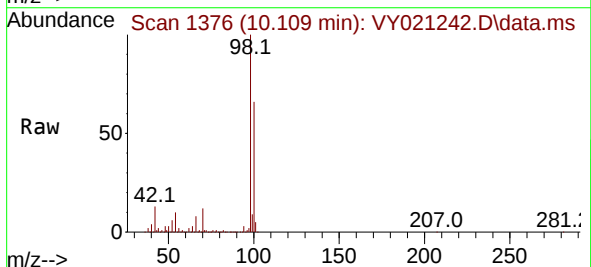
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-01-021725

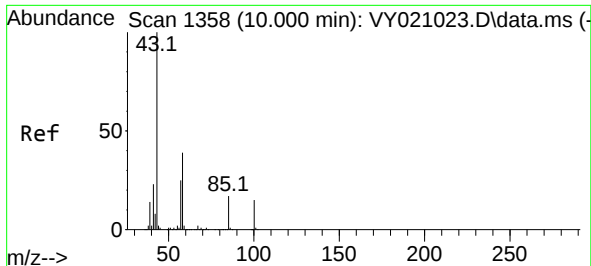
Tgt Ion:117 Resp: 21348
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.518 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 98 Resp: 495381
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

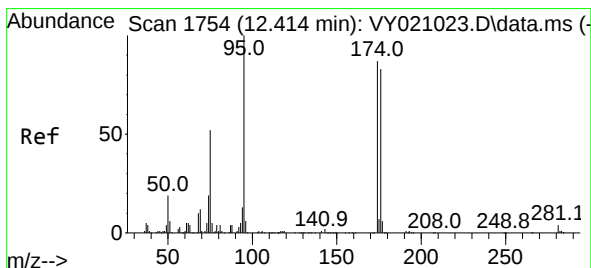
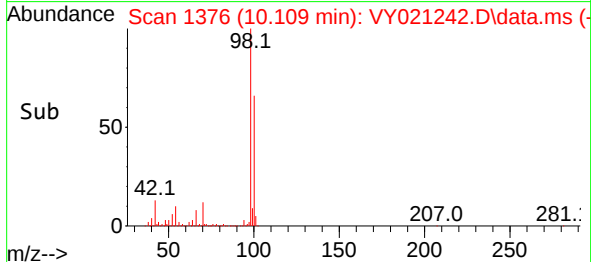
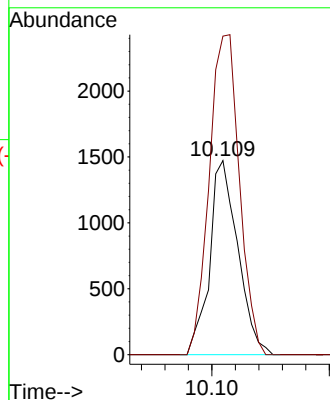
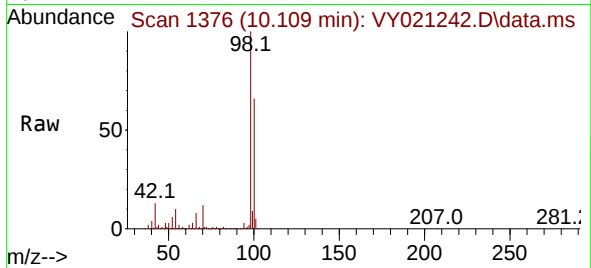




#51
4-Methyl-2-Pentanone
Concen: 1.439 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

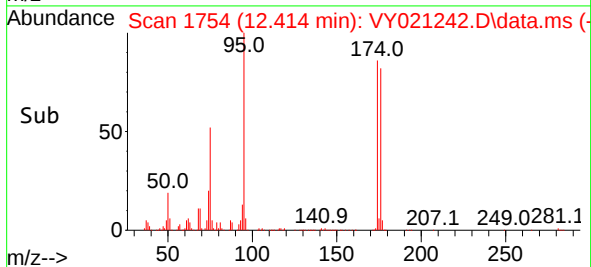
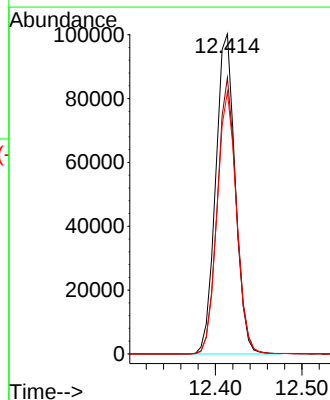
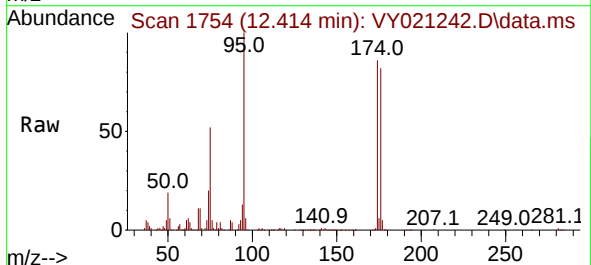
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MSVOA_Y
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OU4-PCS-TC-01-021725

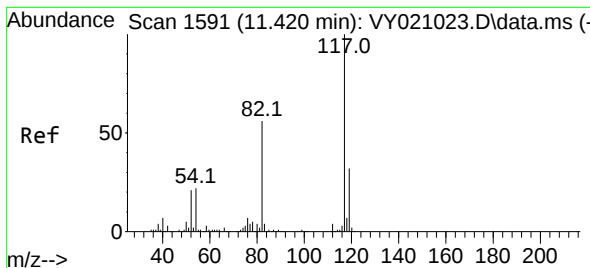
Tgt Ion: 43 Resp: 2455
Ion Ratio Lower Upper
43 100
58 176.5 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 48.006 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 95 Resp: 156897
Ion Ratio Lower Upper
95 100
174 84.3 0.0 160.0
176 81.4 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: VY021242.D

Acq: 19 Feb 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-01-021725

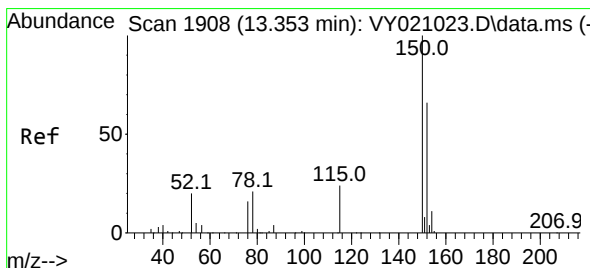
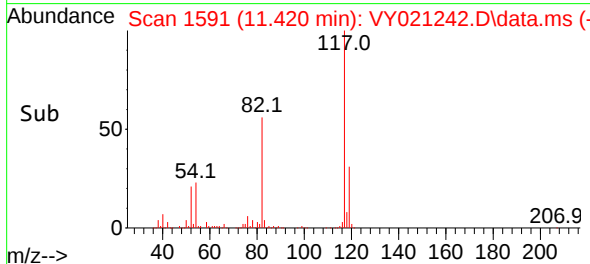
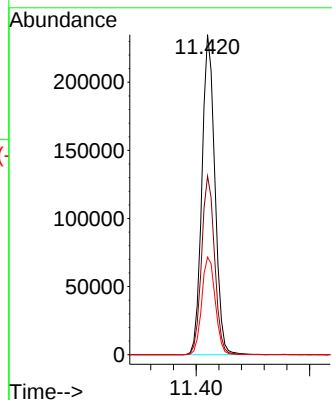
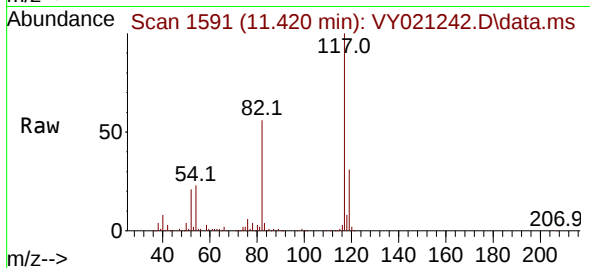
Tgt Ion:117 Resp: 371656

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 30.5 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: VY021242.D

Acq: 19 Feb 2025 17:22

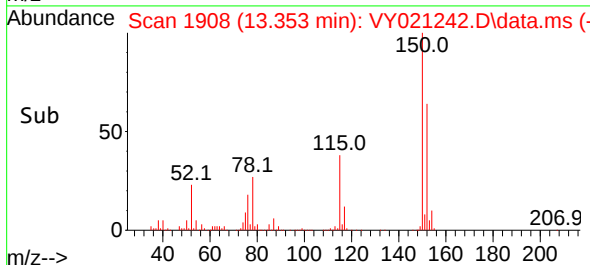
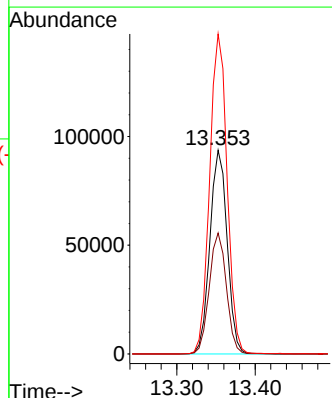
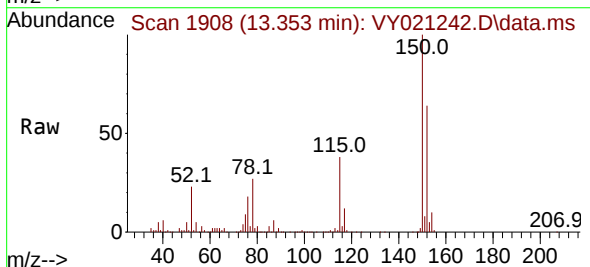
Tgt Ion:152 Resp: 143607

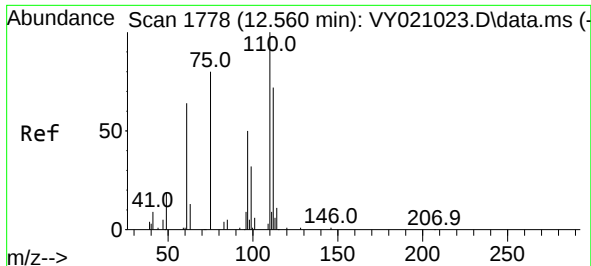
Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

150 158.4 0.0 344.6

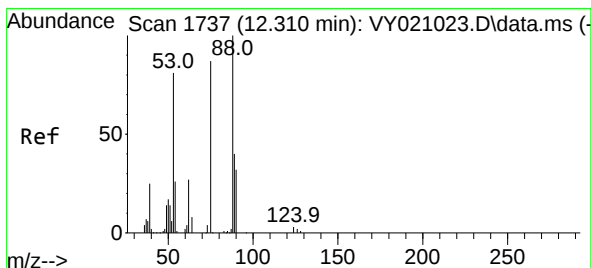
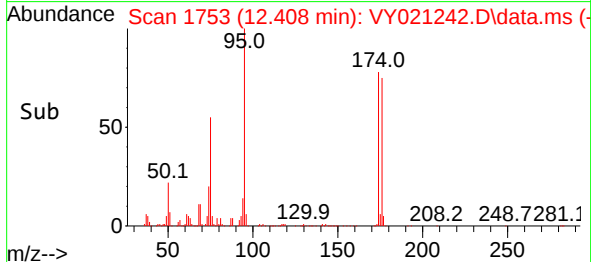
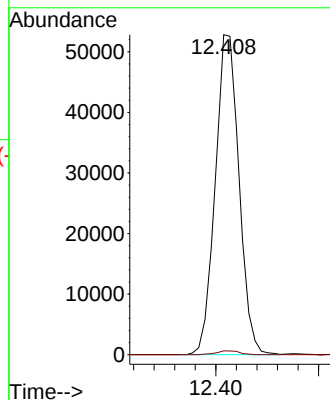
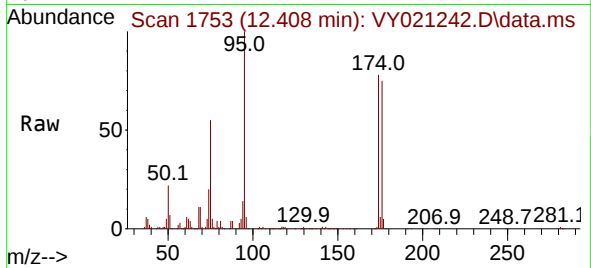




#76
1,2,3-Trichloropropane
Concen: 65.036 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-01-021725

Tgt Ion: 75 Resp: 84722
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.705 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY021242.D
Acq: 19 Feb 2025 17:22

Tgt Ion: 75 Resp: 84722
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

