

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021925\
 Data File : VY021243.D
 Acq On : 19 Feb 2025 17:45
 Operator : SY/MD
 Sample : Q1382-03
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-02-021725

Quant Time: Feb 20 00:21:17 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)

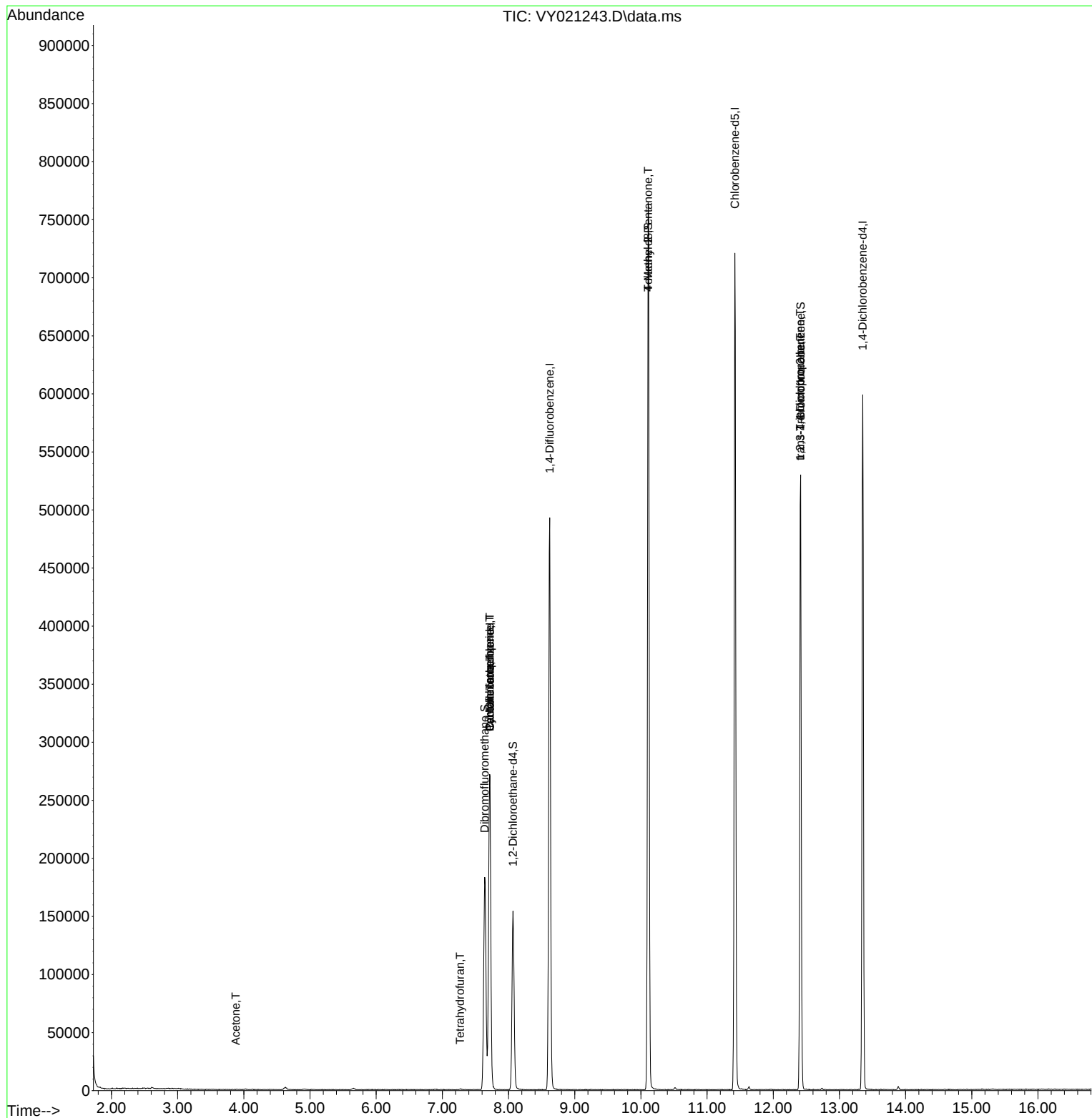
Internal Standards						
1) Pentafluorobenzene	7.719	168	210258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	406195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	371758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	144547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	123068	57.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.260%
35) Dibromofluoromethane	7.640	113	130706	50.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.420%
50) Toluene-d8	10.109	98	491037	49.547	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.414	95	157261	48.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.140%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	381	1.134	ug/l #	41
29) Tetrahydrofuran	7.268	42	571	1.529	ug/l #	60
31) Cyclohexane	7.719	56	4635	1.261	ug/l #	3
36) 1,1-Dichloropropene	7.713	75	16906	4.385	ug/l #	50
38) Carbon Tetrachloride	7.719	117	21995	4.882	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2262	1.338	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	85830	65.458	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	85830	133.566	ug/l #	12

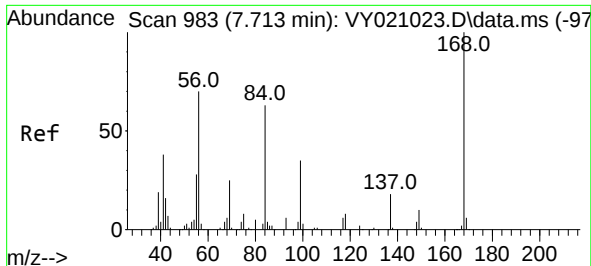
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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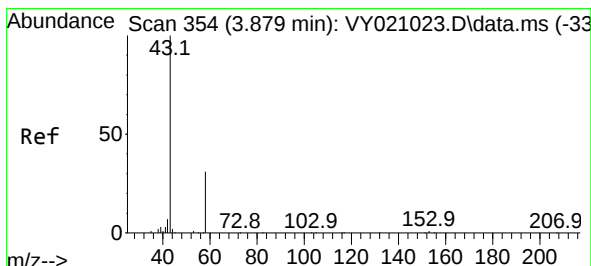
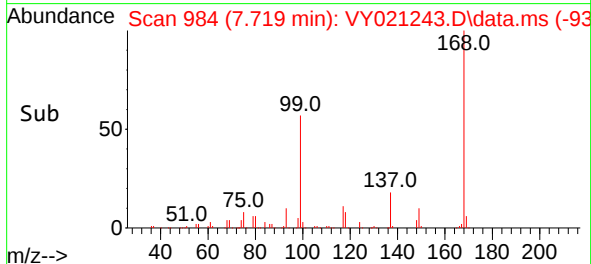
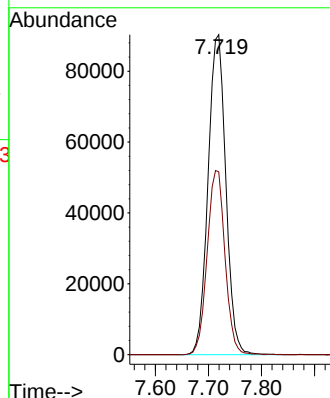
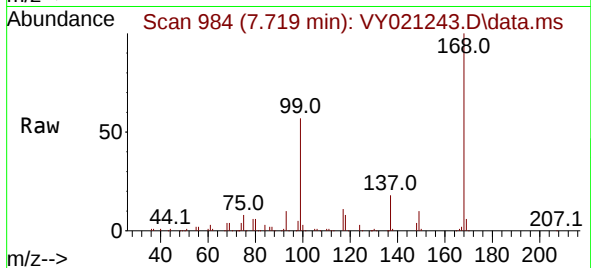




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

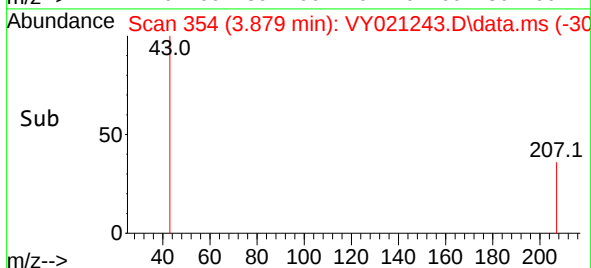
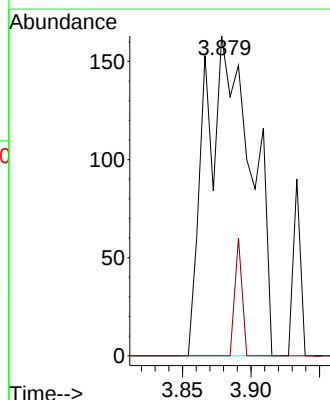
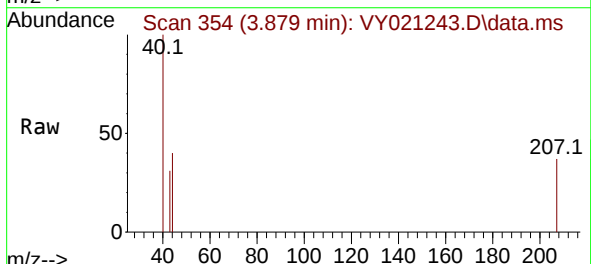
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

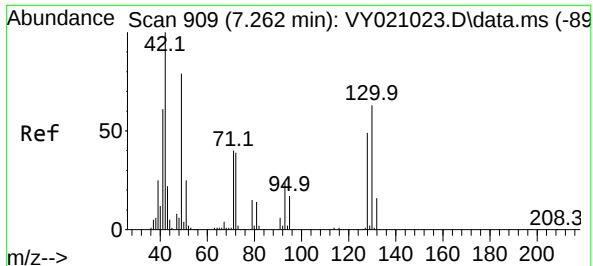
Tgt Ion:168 Resp: 210258
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#16
Acetone
Concen: 1.134 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#





#29

Tetrahydrofuran

Concen: 1.529 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021243.D

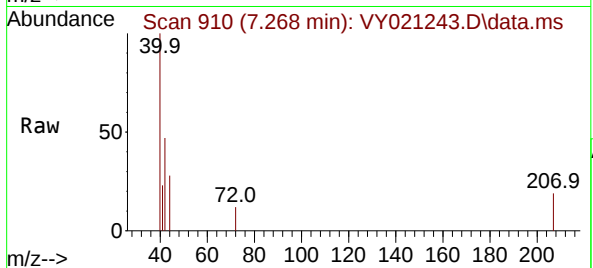
Acq: 19 Feb 2025 17:45

Instrument :

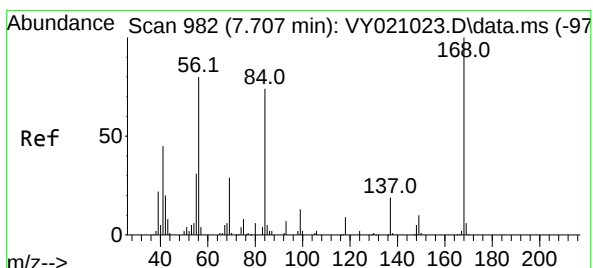
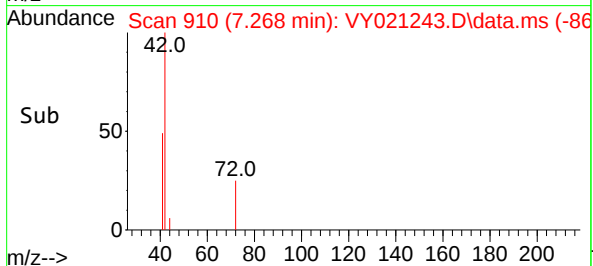
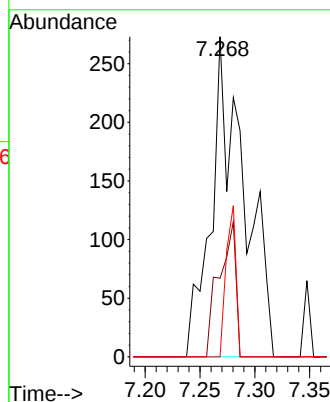
MSVOA_Y

ClientSampleId :

OU4-PCS-TC-02-021725



Tgt Ion:	42	Resp:	571
Ion	Ratio	Lower	Upper
42	100		
72	21.5	36.6	54.8#
71	14.0	33.8	50.6#



#31

Cyclohexane

Concen: 1.261 ug/l

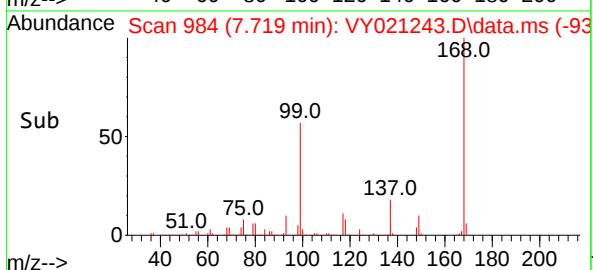
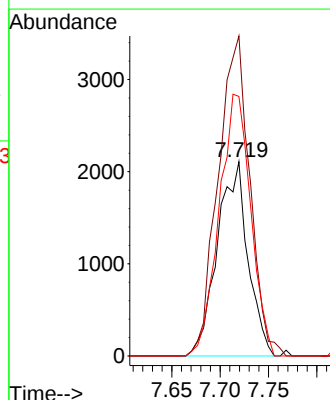
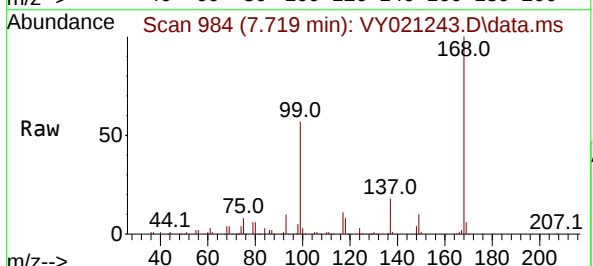
RT: 7.719 min Scan# 984

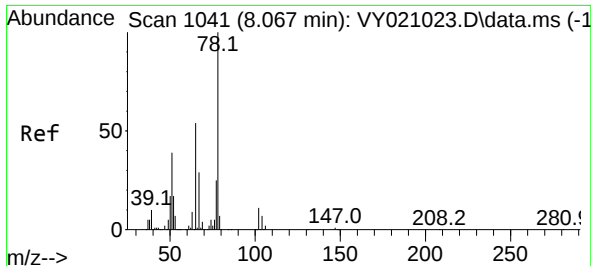
Delta R.T. 0.012 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

Tgt Ion:	56	Resp:	4635
Ion	Ratio	Lower	Upper
56	100		
69	164.7	27.0	40.6#
84	133.6	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 57.128 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021243.D

Acq: 19 Feb 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

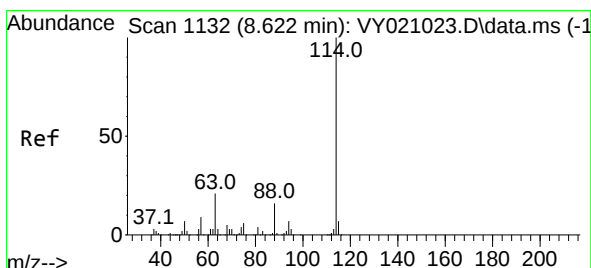
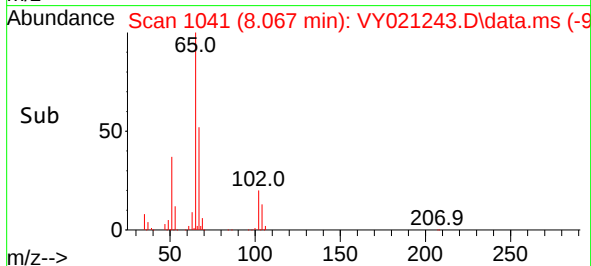
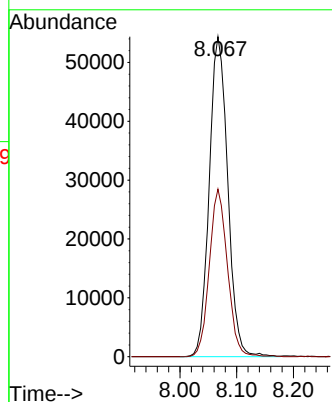
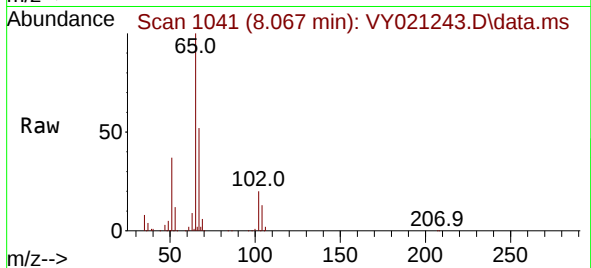
OU4-PCS-TC-02-021725

Tgt Ion: 65 Resp: 123068

Ion Ratio Lower Upper

65 100

67 51.3 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: VY021243.D

Acq: 19 Feb 2025 17:45

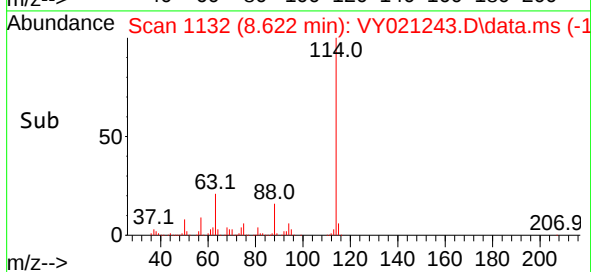
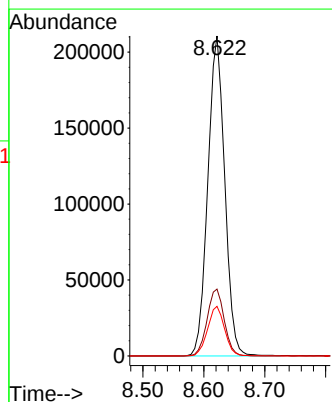
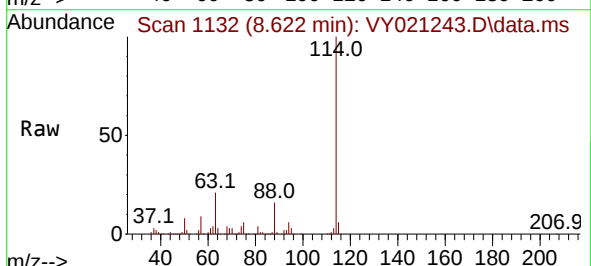
Tgt Ion: 114 Resp: 406195

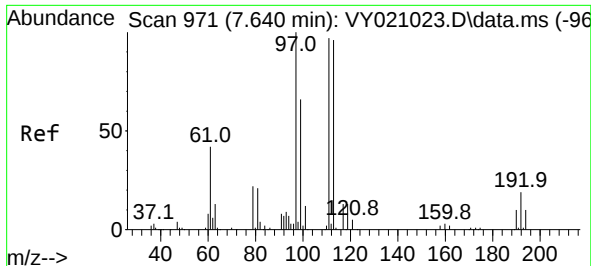
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

88 15.5 0.0 29.0

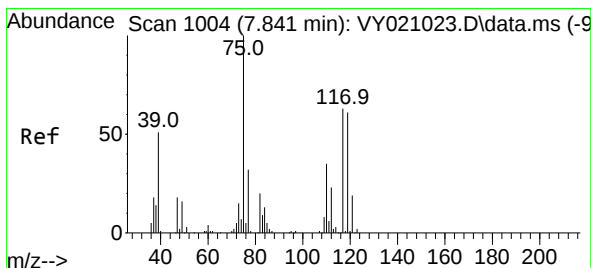
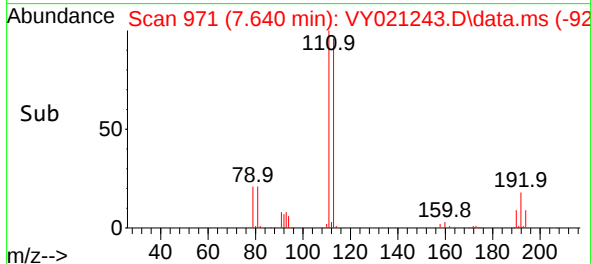
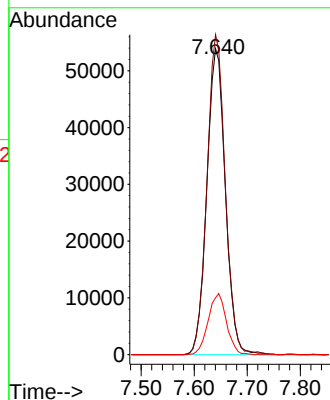
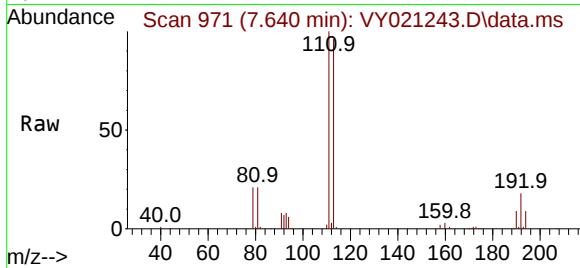




#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

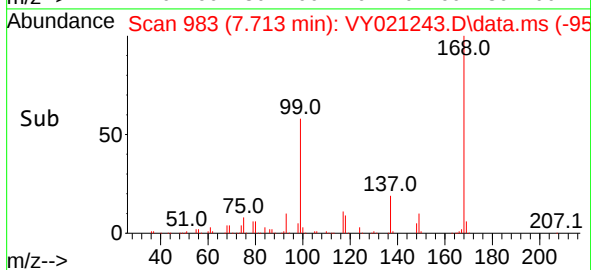
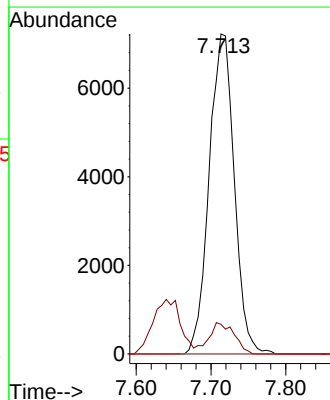
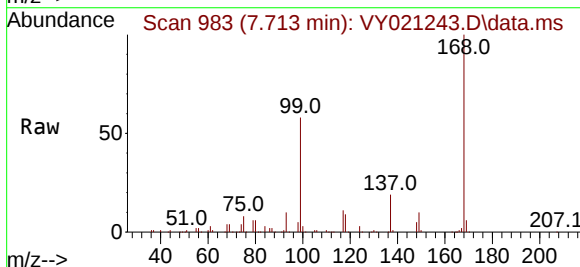
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

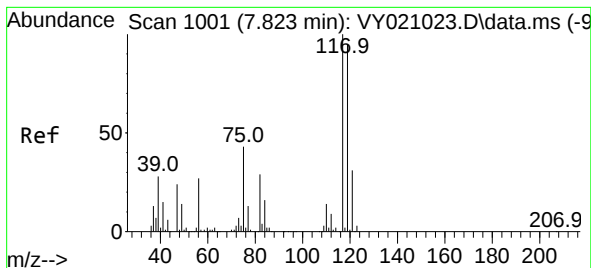
Tgt Ion:113 Resp: 130706
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.385 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 75 Resp: 16906
Ion Ratio Lower Upper
75 100
110 9.1 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.882 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY021243.D

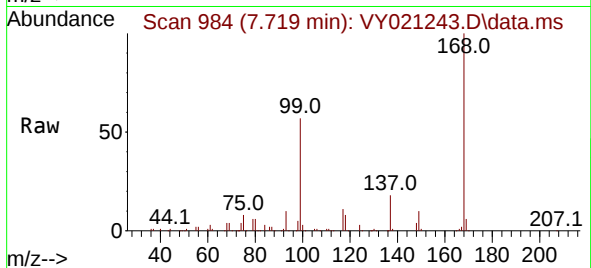
Acq: 19 Feb 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-02-021725



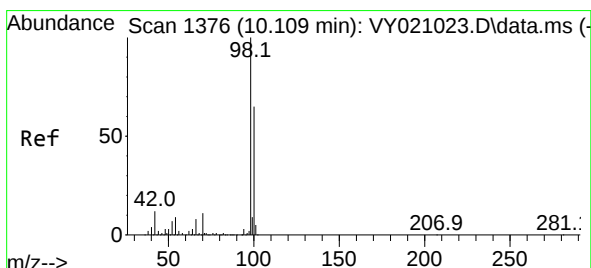
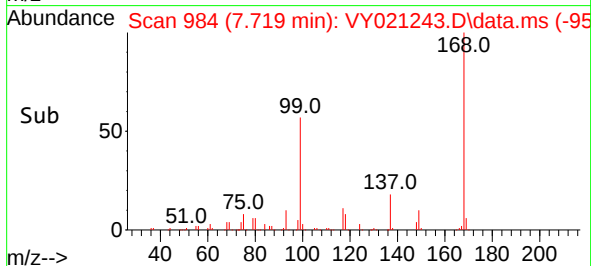
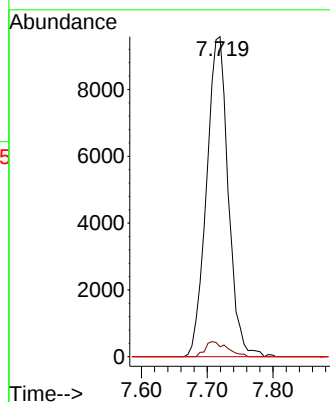
Tgt Ion:117 Resp: 21995

Ion Ratio Lower Upper

117 100

119 3.1 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.547 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021243.D

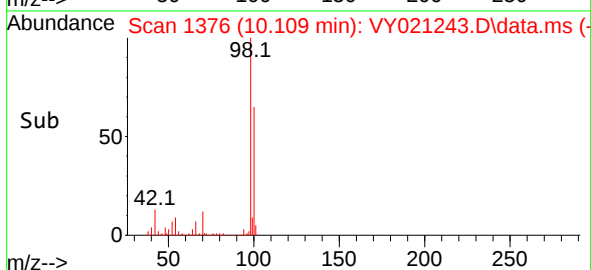
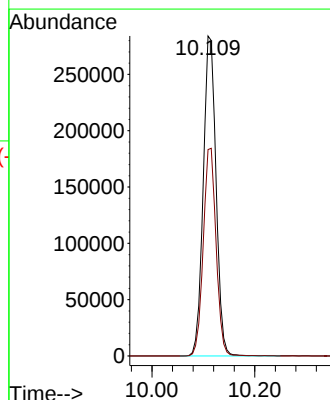
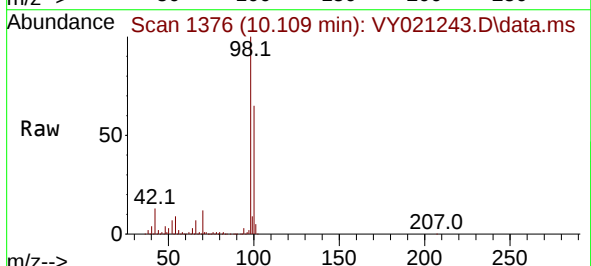
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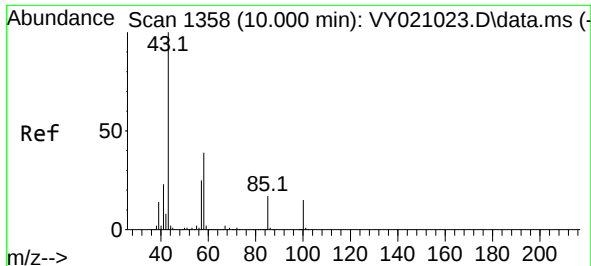
Tgt Ion: 98 Resp: 491037

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

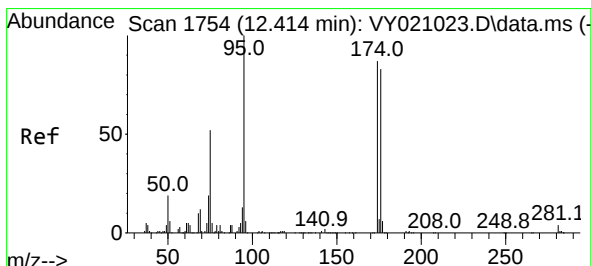
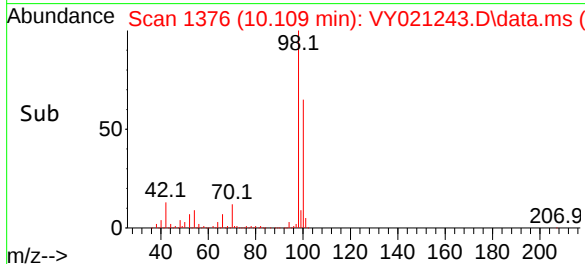
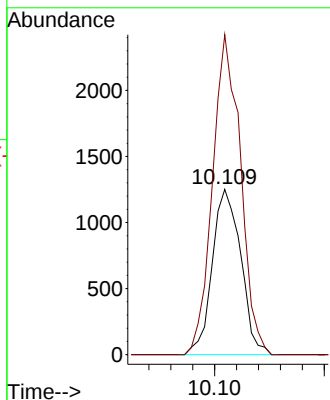
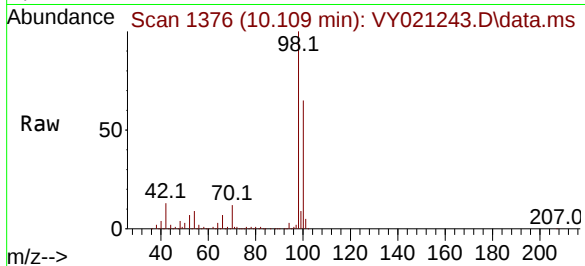




#51
4-Methyl-2-Pentanone
Concen: 1.338 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

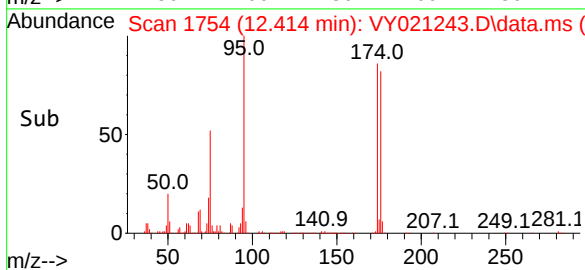
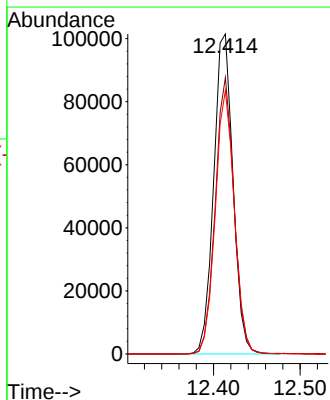
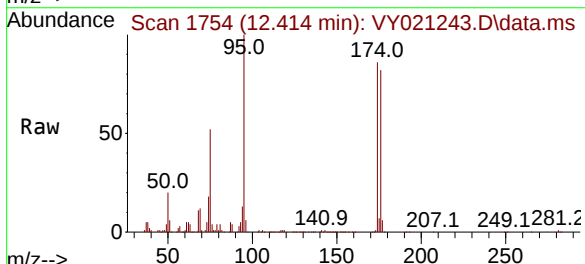
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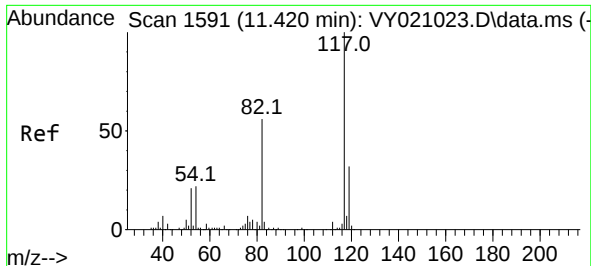
Tgt Ion: 43 Resp: 2262
Ion Ratio Lower Upper
43 100
58 190.2 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 48.572 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 95 Resp: 157261
Ion Ratio Lower Upper
95 100
174 84.5 0.0 160.0
176 81.3 0.0 151.8

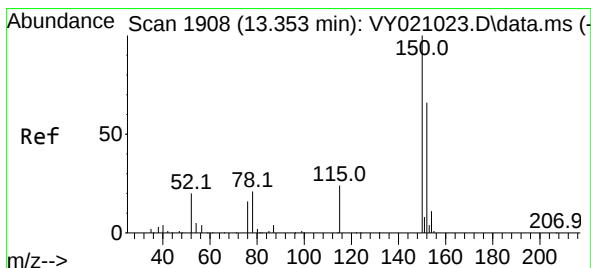
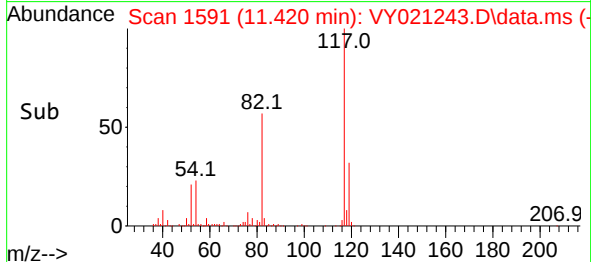
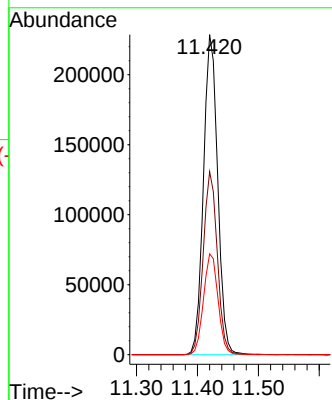
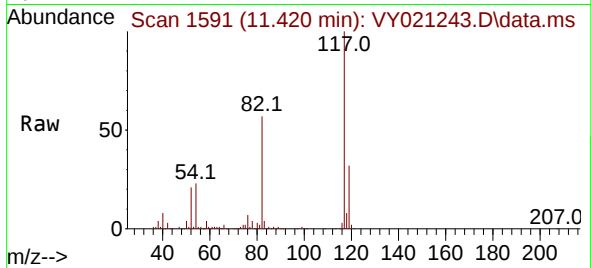




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

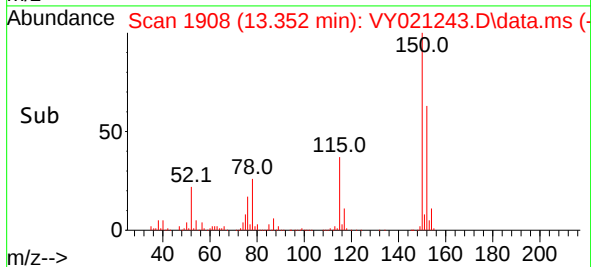
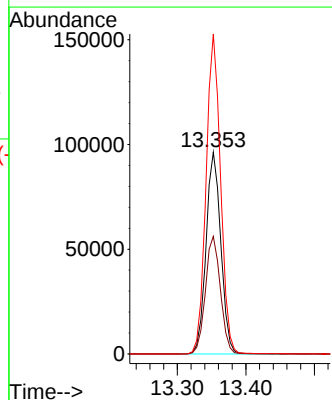
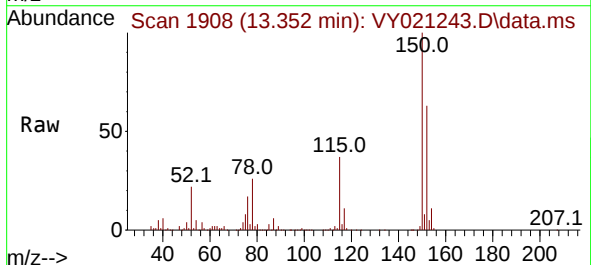
Instrument :
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OU4-PCS-TC-02-021725

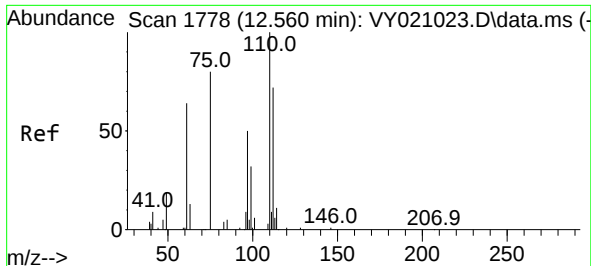
Tgt Ion:117 Resp: 371758
Ion Ratio Lower Upper
117 100
82 57.2 43.8 65.8
119 31.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion:152 Resp: 144547
Ion Ratio Lower Upper
152 100
115 59.1 30.0 90.0
150 155.7 0.0 344.6

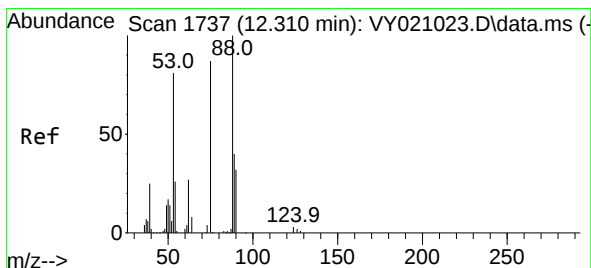
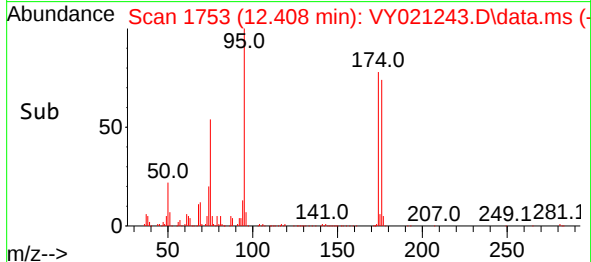
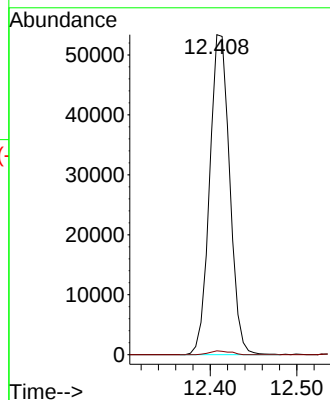
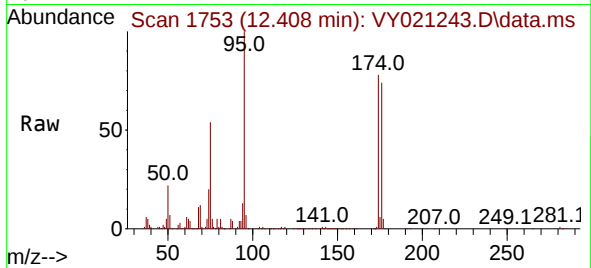




#76
1,2,3-Trichloropropane
Concen: 65.458 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-02-021725

Tgt Ion: 75 Resp: 85830
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.566 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021243.D
Acq: 19 Feb 2025 17:45

Tgt Ion: 75 Resp: 85830
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

