

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022125\
 Data File : VY021280.D
 Acq On : 21 Feb 2025 13:04
 Operator : SY/MD
 Sample : Q1383-03
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-12-021725

Quant Time: Feb 21 23:06:41 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)

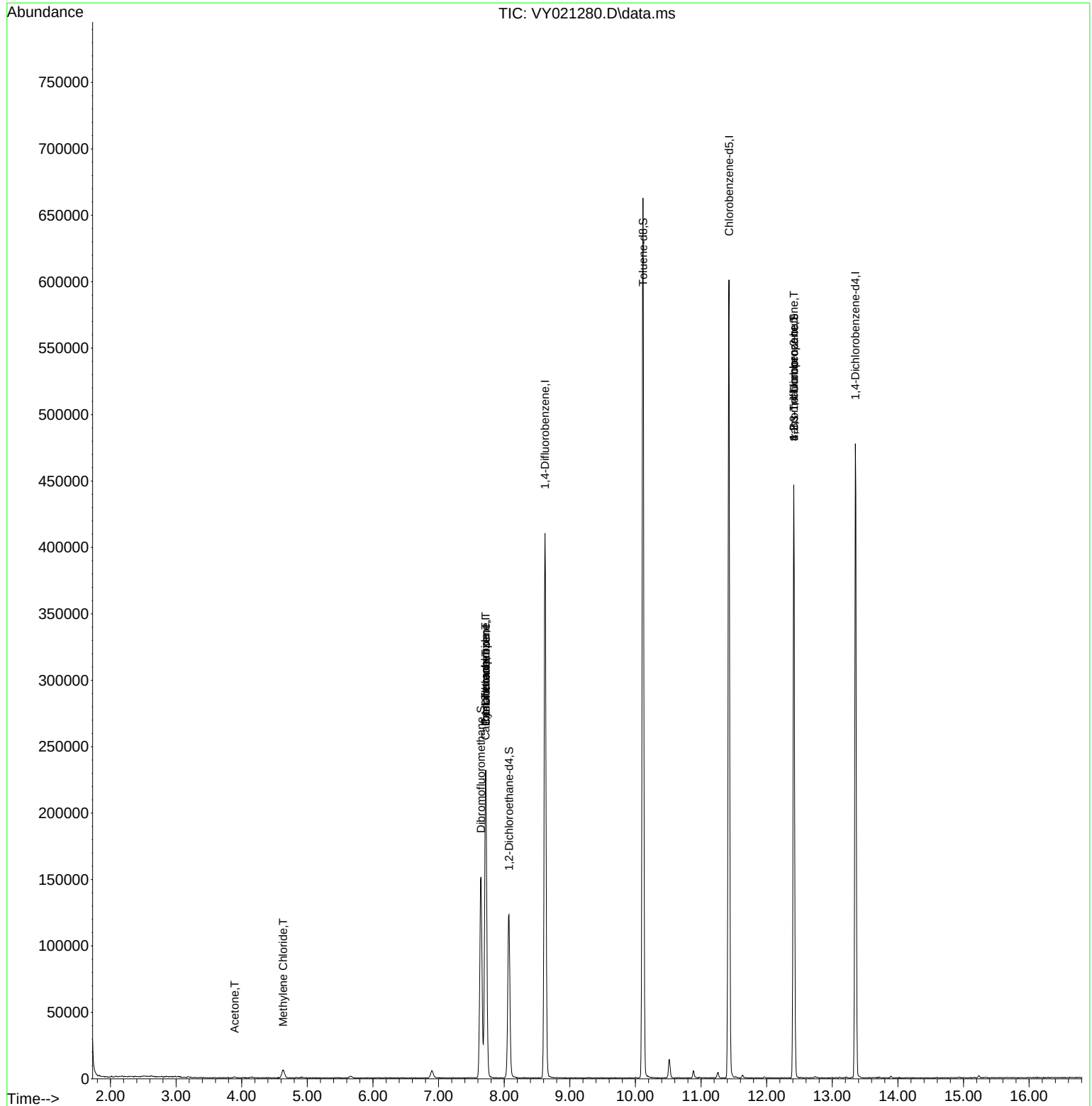
Internal Standards						
1) Pentafluorobenzene	7.719	168	176624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	335490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	306712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	115459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	99937	55.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.440%
35) Dibromofluoromethane	7.646	113	106939	49.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.115	98	414341	50.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.414	95	126400	47.268	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.540%
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	1139	4.036	ug/l #	85
20) Methylene Chloride	4.628	84	4531	2.583	ug/l #	91
31) Cyclohexane	7.719	56	4188	1.357	ug/l #	33
36) 1,1-Dichloropropene	7.719	75	14695	4.614	ug/l #	50
38) Carbon Tetrachloride	7.713	117	18404	4.946	ug/l #	17
76) 1,2,3-Trichloropropane	12.414	75	70734	67.536	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	70734	137.805	ug/l #	12

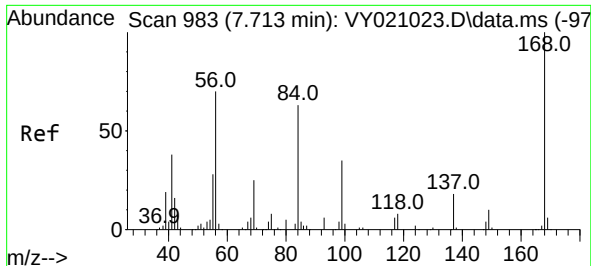
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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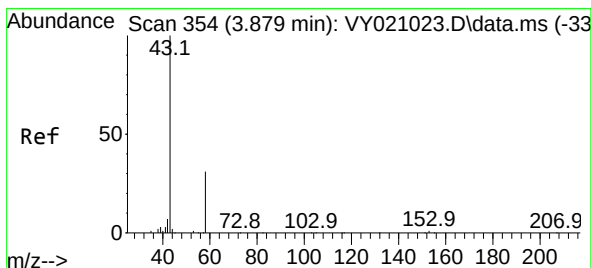
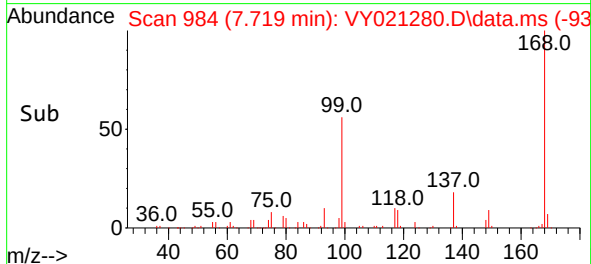
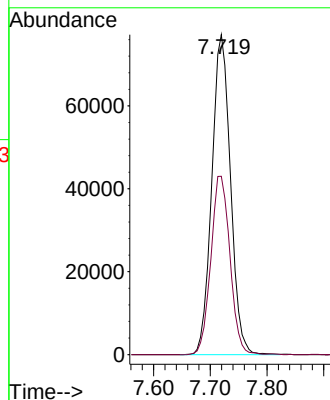
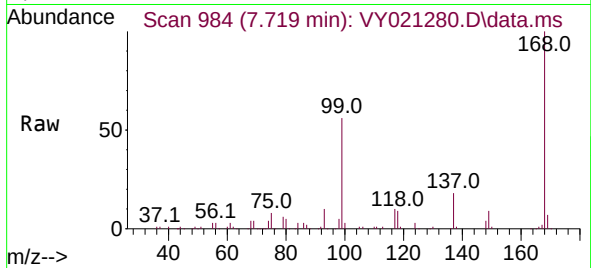




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.006 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

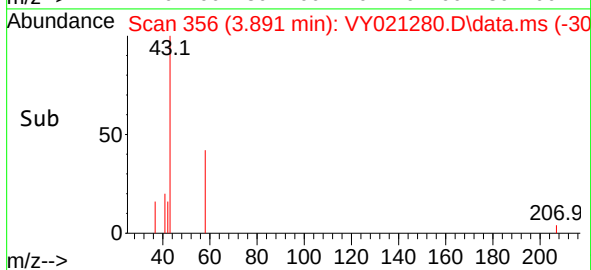
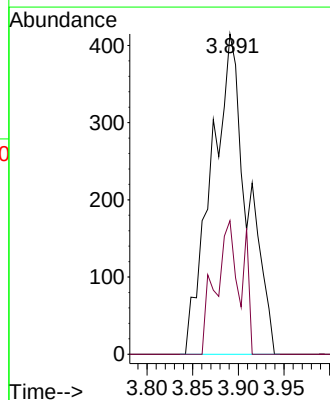
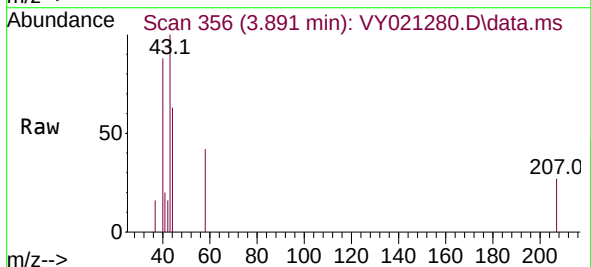
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-12-021725

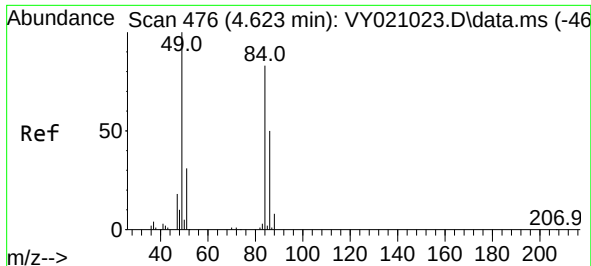
Tgt Ion:168 Resp: 176624
Ion Ratio Lower Upper
168 100
99 55.7 44.2 66.4



#16
Acetone
Concen: 4.036 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

Tgt Ion: 43 Resp: 1139
Ion Ratio Lower Upper
43 100
58 41.7 26.6 39.8#

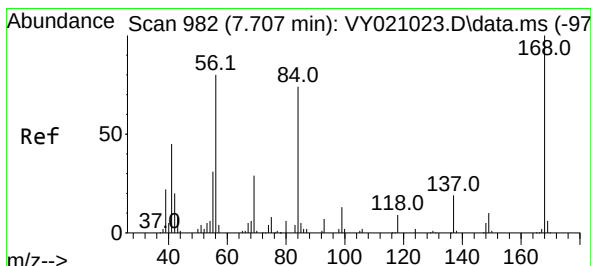
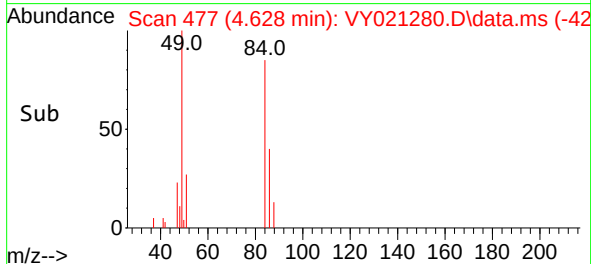
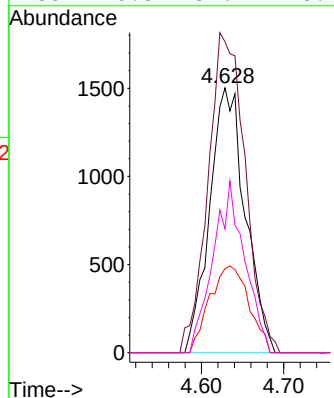
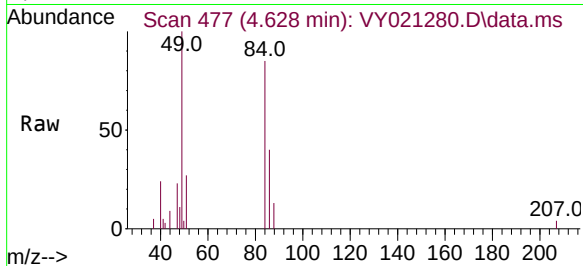




#20
Methylene Chloride
Concen: 2.583 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

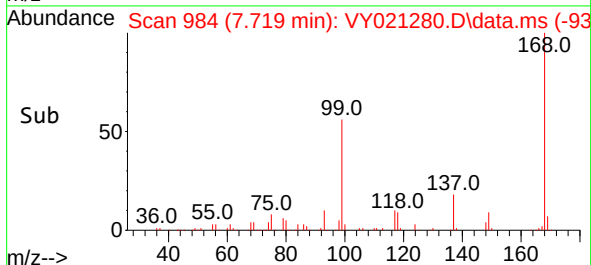
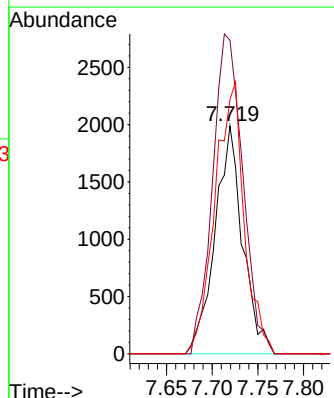
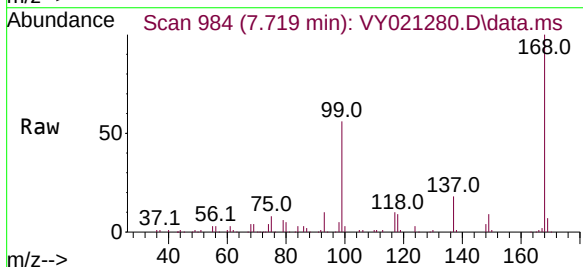
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-12-021725

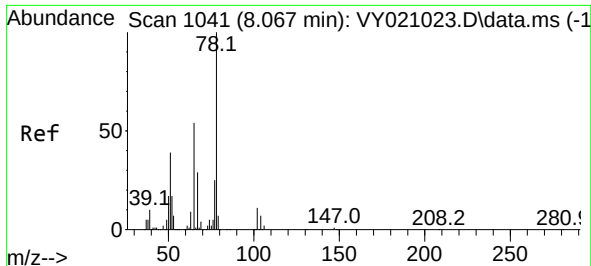
Tgt Ion:	84	Resp:	4531
Ion	Ratio	Lower	Upper
84	100		
49	117.4	95.2	142.8
51	31.8	29.9	44.9
86	46.8	52.2	78.4#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

Tgt Ion:	56	Resp:	4188
Ion	Ratio	Lower	Upper
56	100		
69	137.6	27.0	40.6#
84	111.5	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 55.224 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021280.D

Acq: 21 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

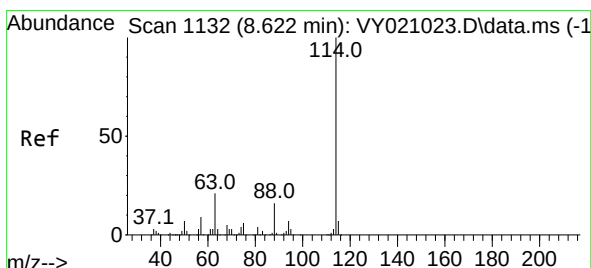
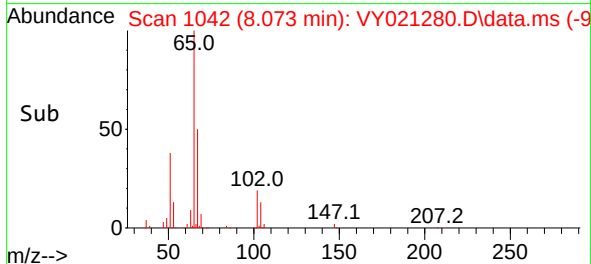
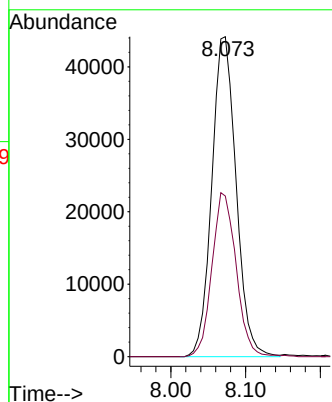
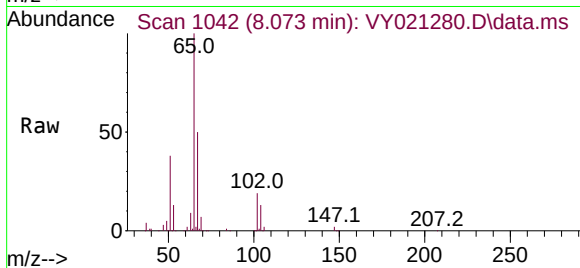
OU4-PCS-TC-12-021725

Tgt Ion: 65 Resp: 99937

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: VY021280.D

Acq: 21 Feb 2025 13:04

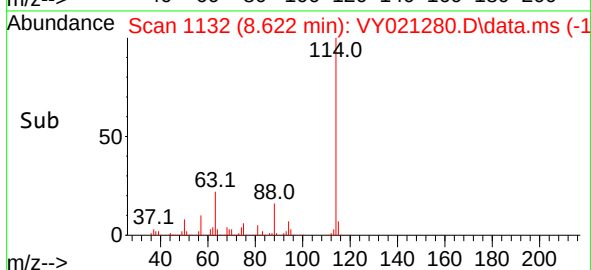
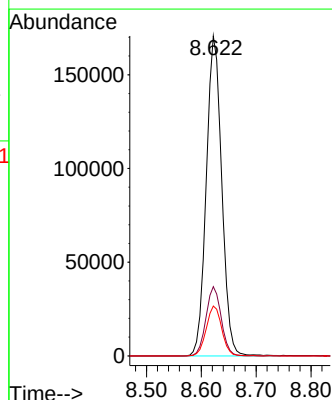
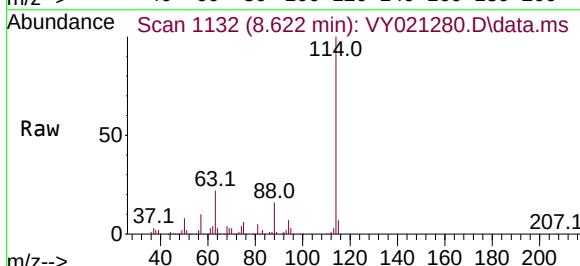
Tgt Ion: 114 Resp: 335490

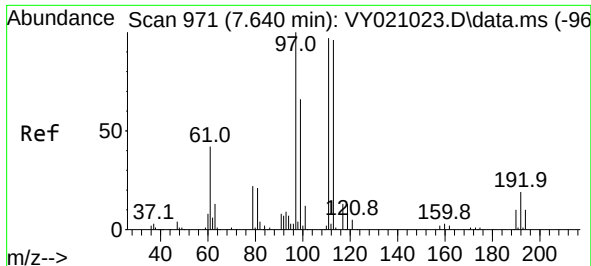
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.4

88 15.6 0.0 29.0

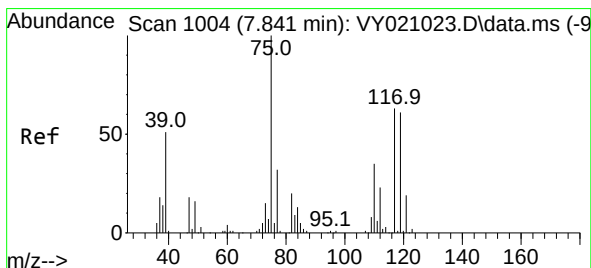
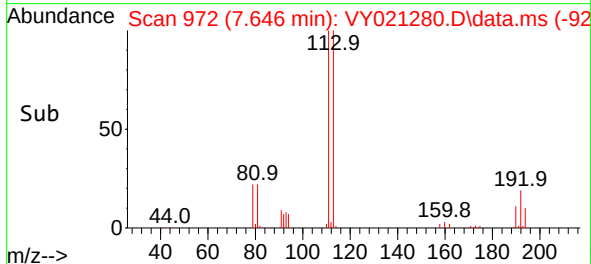
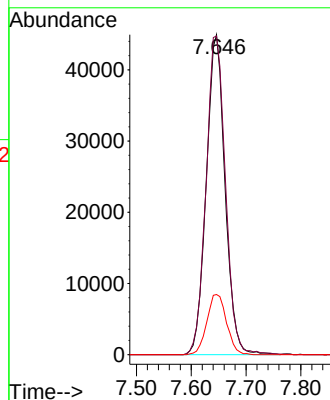
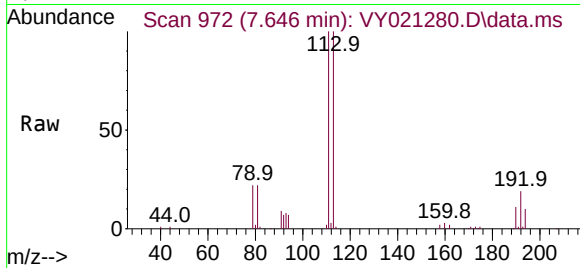




#35
Dibromofluoromethane
Concen: 49.738 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

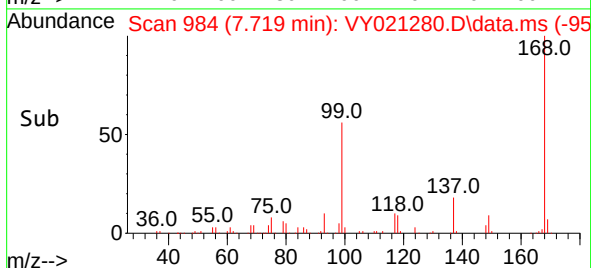
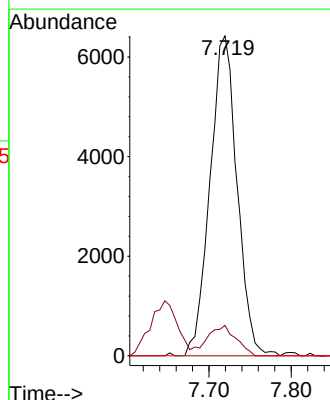
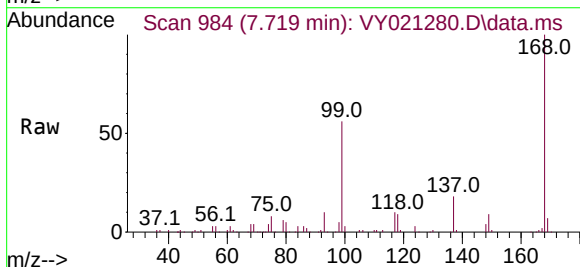
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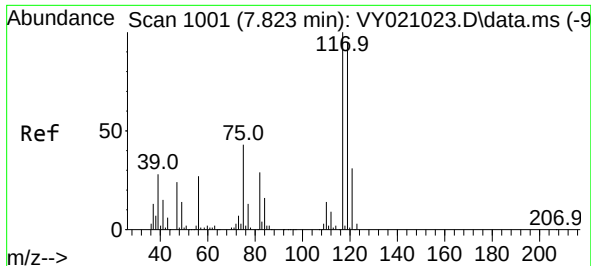
Tgt Ion:113 Resp: 106939
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.7 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

Tgt Ion: 75 Resp: 14695
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.7 37.1#

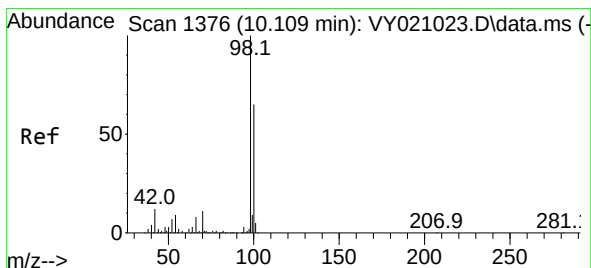
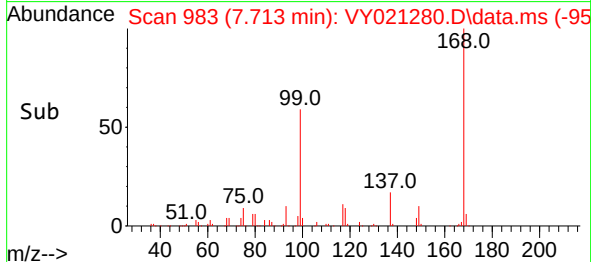
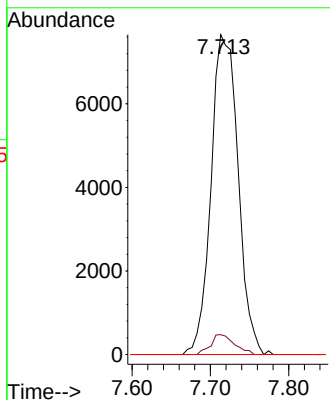
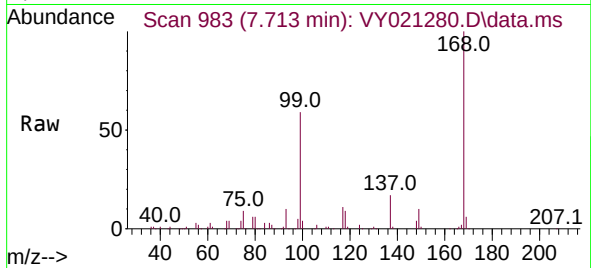




#38
Carbon Tetrachloride
Concen: 4.946 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.110 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

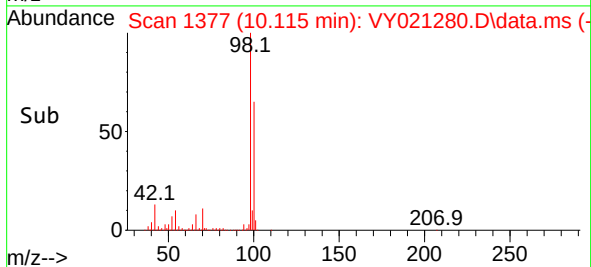
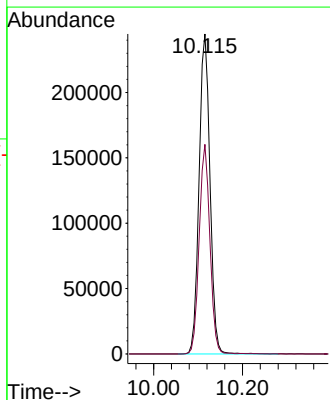
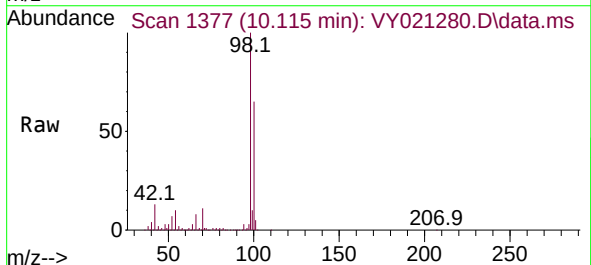
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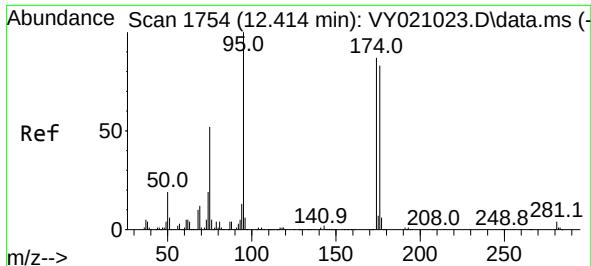
Tgt Ion:117 Resp: 18404
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.620 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

Tgt Ion: 98 Resp: 414341
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

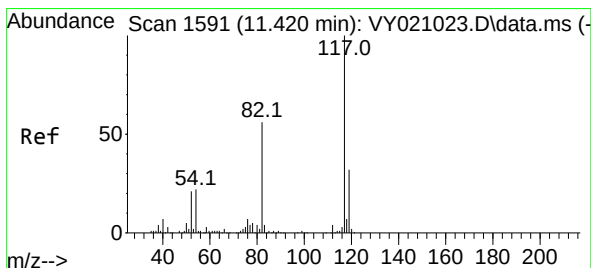
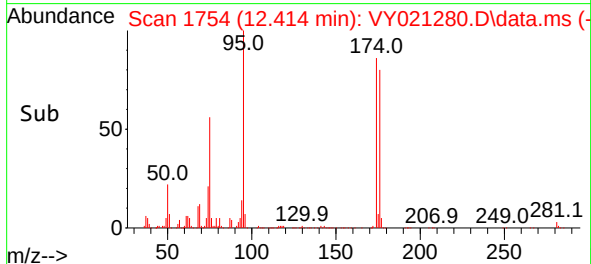
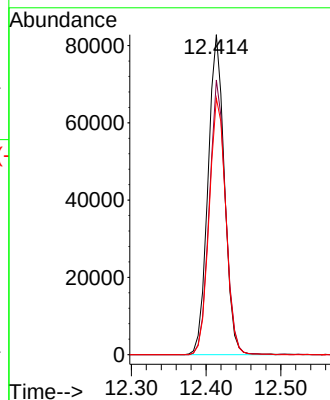
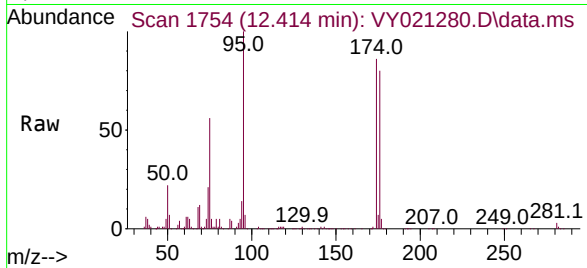




#62
4-Bromofluorobenzene
Concen: 47.268 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

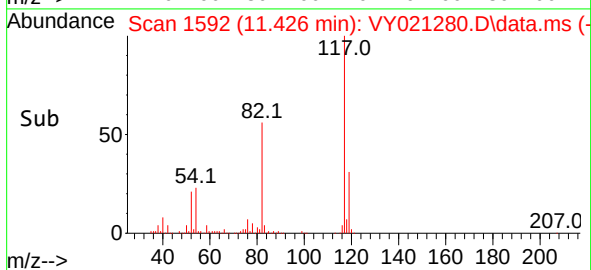
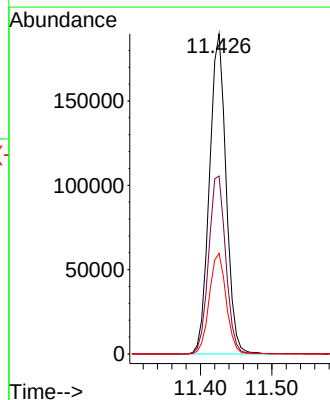
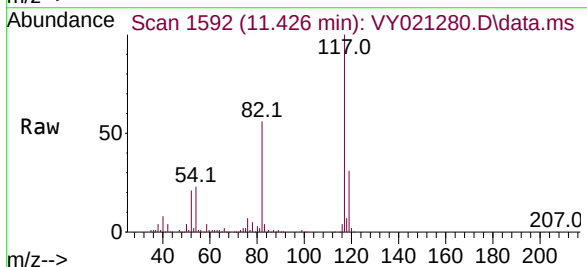
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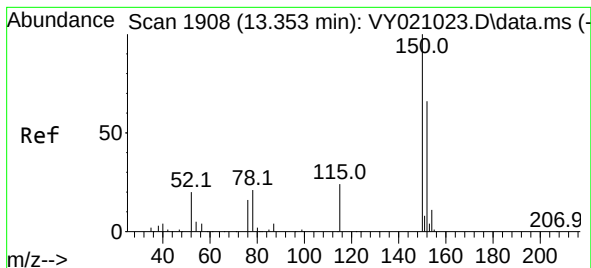
Tgt Ion: 95 Resp: 126400
Ion Ratio Lower Upper
95 100
174 84.7 0.0 160.0
176 81.2 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY021280.D
Acq: 21 Feb 2025 13:04

Tgt Ion: 117 Resp: 306712
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.8
119 31.4 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: VY021280.D

Acq: 21 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-12-021725

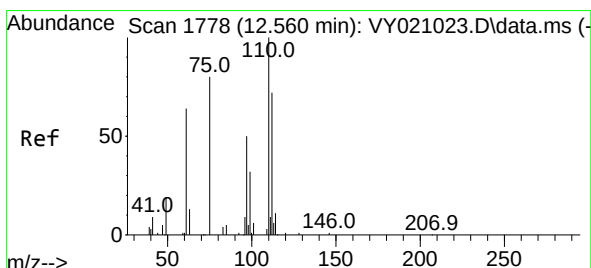
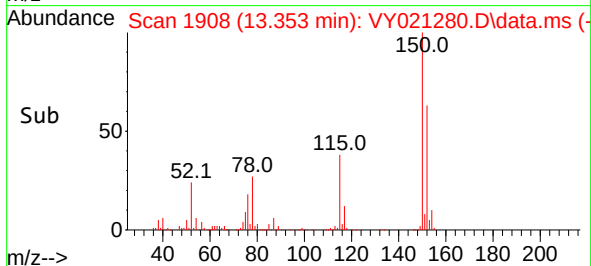
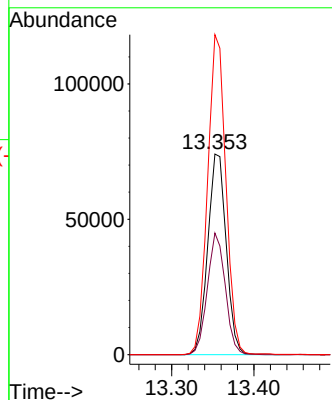
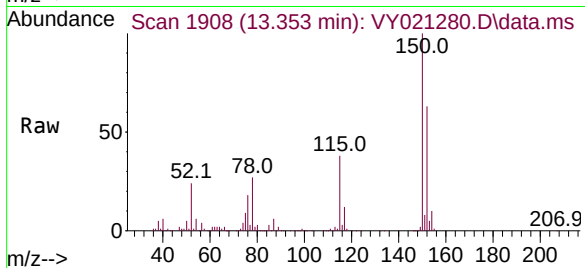
Tgt Ion:152 Resp: 115459

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 157.1 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 67.536 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021280.D

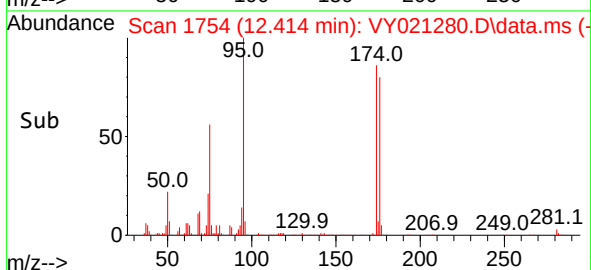
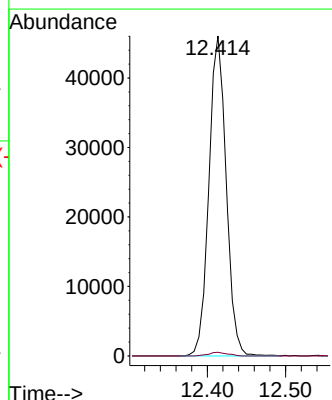
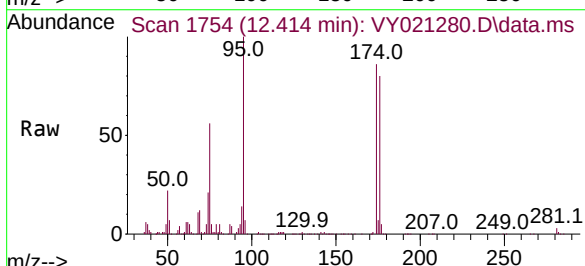
Acq: 21 Feb 2025 13:04

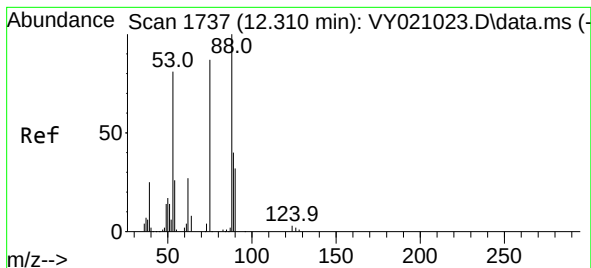
Tgt Ion: 75 Resp: 70734

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 137.805 ug/l

RT: 12.414 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY021280.D

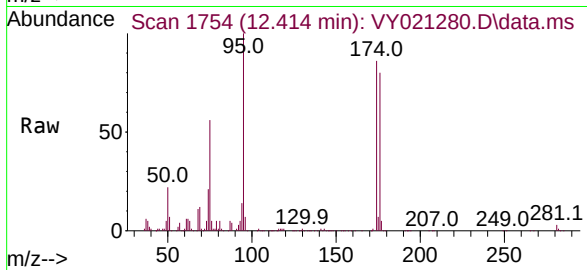
Acq: 21 Feb 2025 13:04

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-12-021725



Tgt Ion: 75 Resp: 70734

Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

