

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023010.D
 Acq On : 18 Jul 2025 20:03
 Operator : SY/MD
 Sample : Q2639-05
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-40-071725

Quant Time: Jul 19 02:16:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

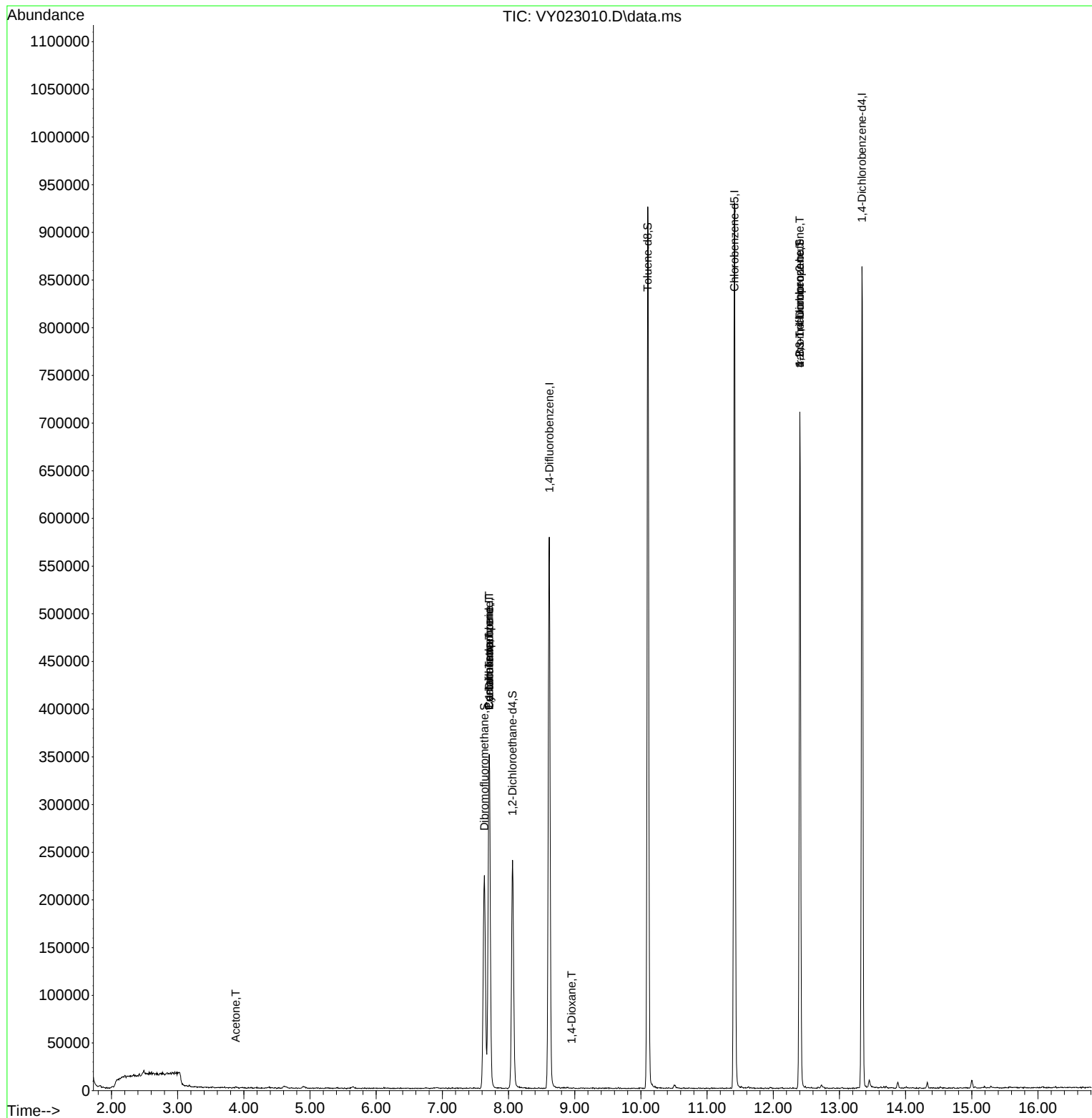
Internal Standards						
1) Pentafluorobenzene	7.707	168	268551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	484234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	470038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	210725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	185246	68.140	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.280%	
35) Dibromofluoromethane	7.634	113	158814	51.703	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.400%	
50) Toluene-d8	10.103	98	591711	48.576	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.402	95	207302	54.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.120%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	984	1.997	ug/l	93
20) Methylene Chloride	4.604	84	1423	Below Cal	#	83
31) Cyclohexane	7.707	56	6758	1.249	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	22733	4.698	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28053	5.337	ug/l #	17
49) 1,4-Dioxane	8.951	88	90	4.855	ug/l #	21
76) 1,2,3-Trichloropropane	12.402	75	115318	43.917	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	115318	130.806	ug/l #	12

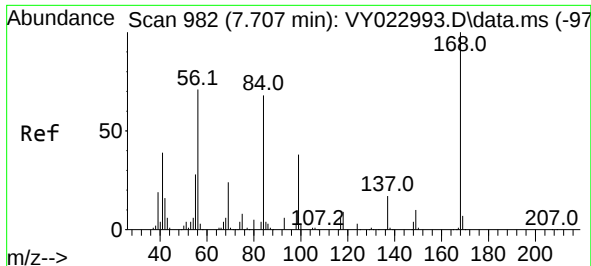
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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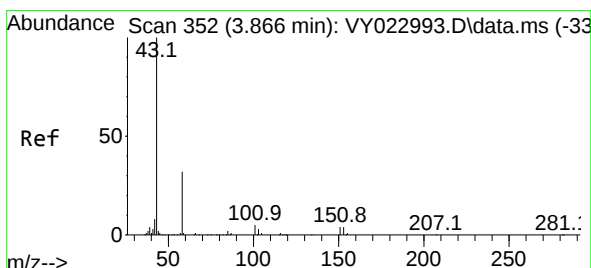
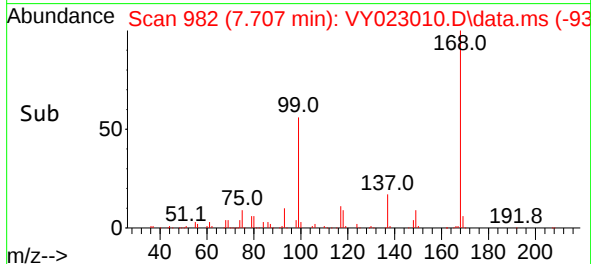
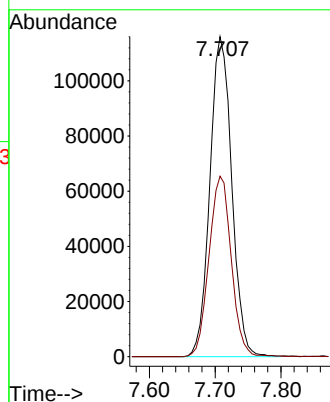
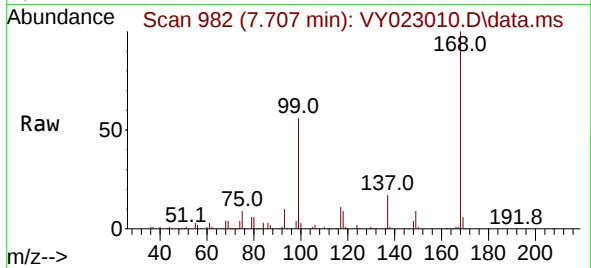




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

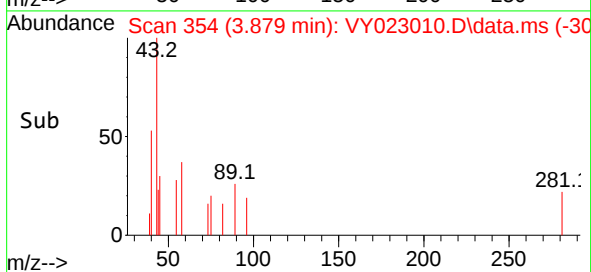
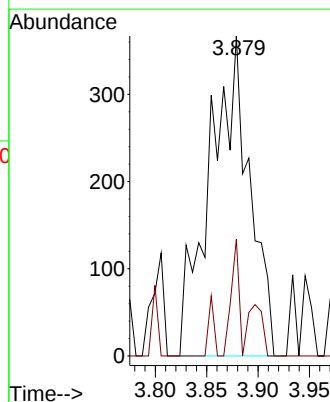
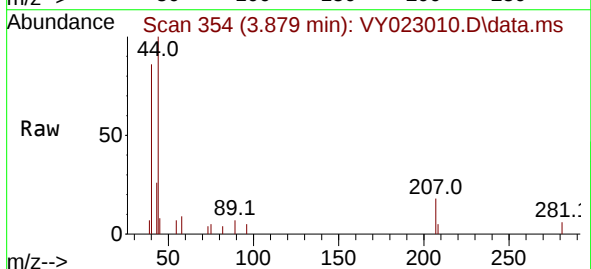
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-40-071725

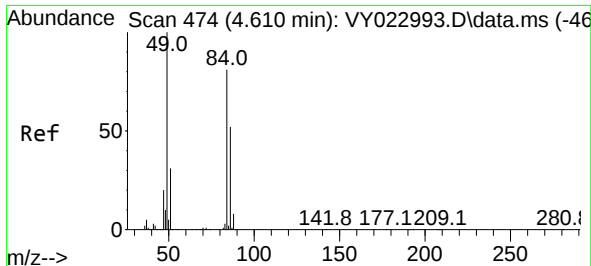
Tgt Ion:168 Resp: 268551
Ion Ratio Lower Upper
168 100
99 56.4 44.4 66.6



#16
Acetone
Concen: 1.997 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 36.5 26.2 39.4

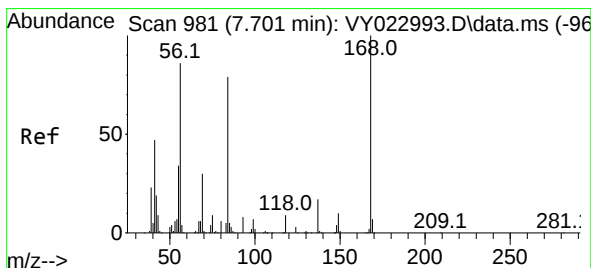
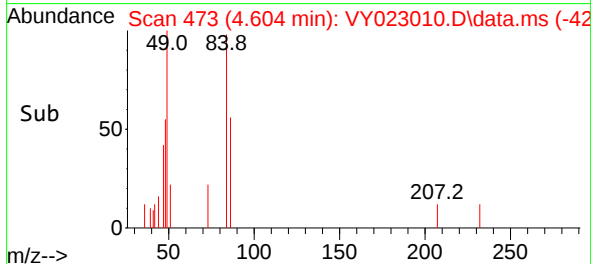
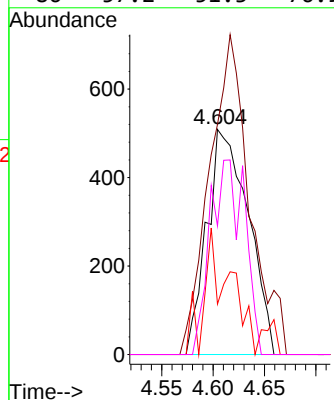
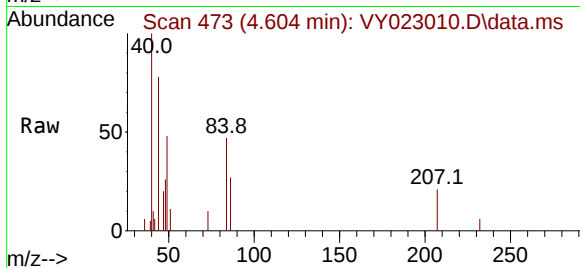




#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

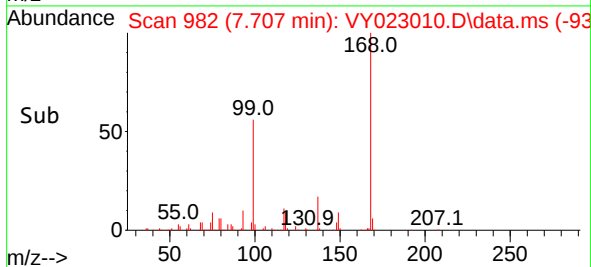
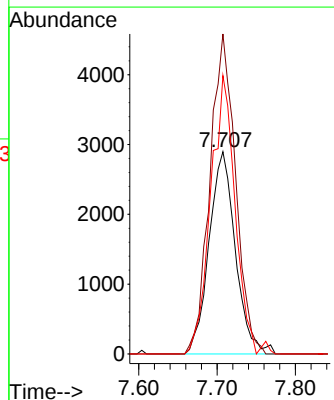
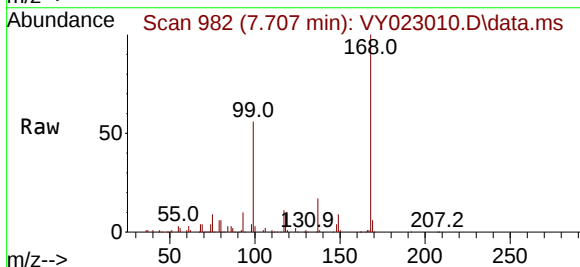
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-40-071725

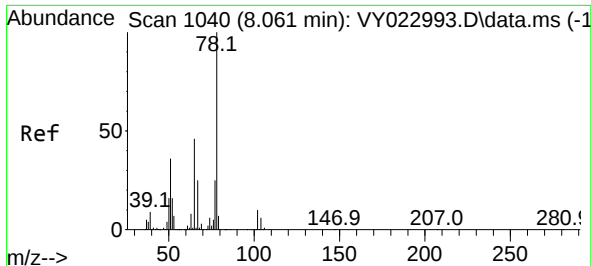
Tgt Ion:	84	Resp:	1423
Ion	Ratio	Lower	Upper
84	100		
49	102.2	98.2	147.4
51	22.4	30.5	45.7#
86	57.2	51.3	76.9



#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion:	56	Resp:	6758
Ion	Ratio	Lower	Upper
56	100		
69	158.3	28.1	42.1#
84	137.7	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 68.140 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023010.D

Acq: 18 Jul 2025 20:03

Instrument :

MSVOA_Y

ClientSampleId :

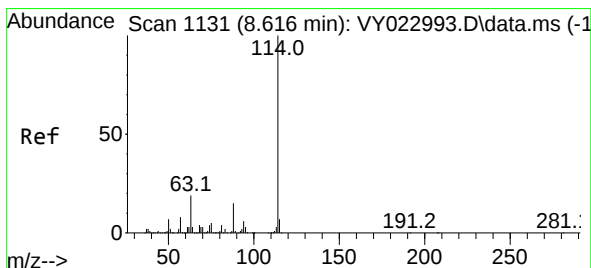
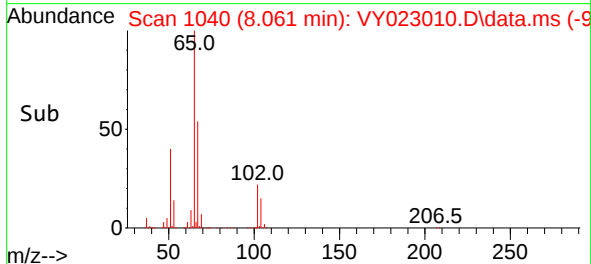
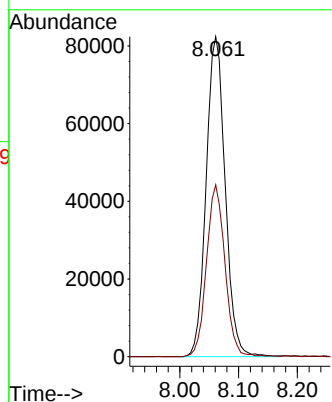
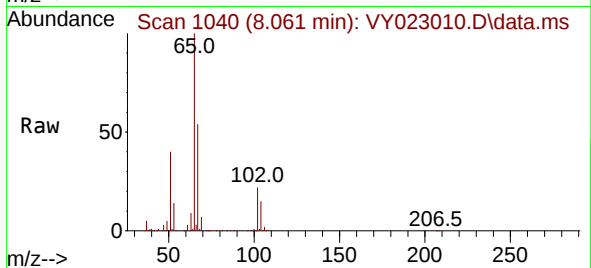
OU4-TS-40-071725

Tgt Ion: 65 Resp: 185246

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023010.D

Acq: 18 Jul 2025 20:03

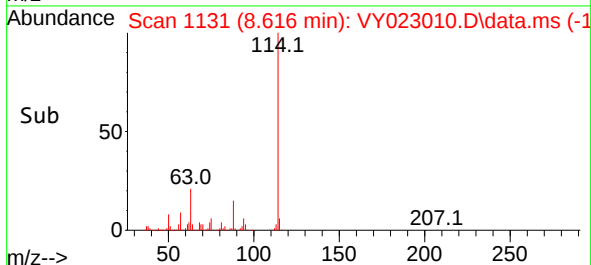
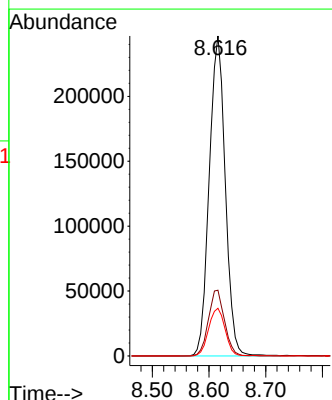
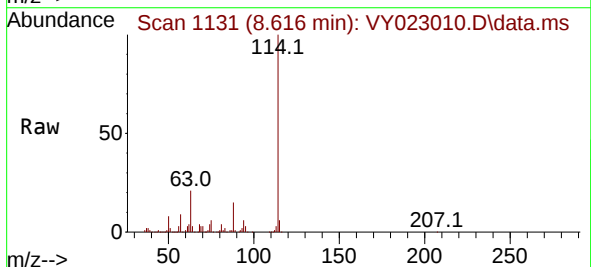
Tgt Ion: 114 Resp: 484234

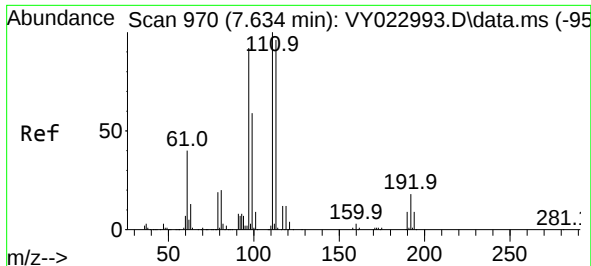
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.8

88 14.9 0.0 30.2

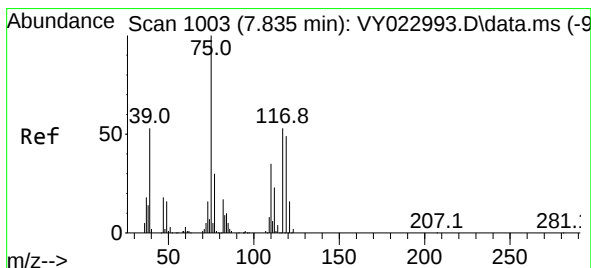
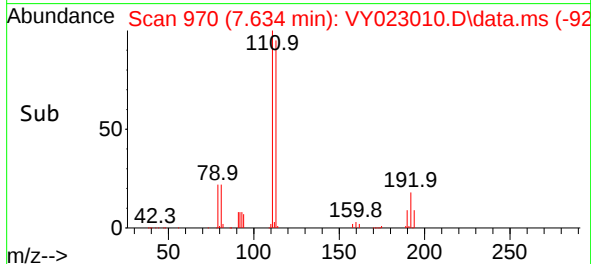
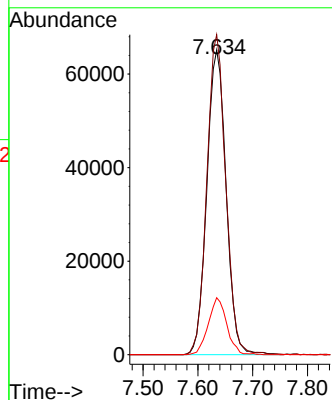
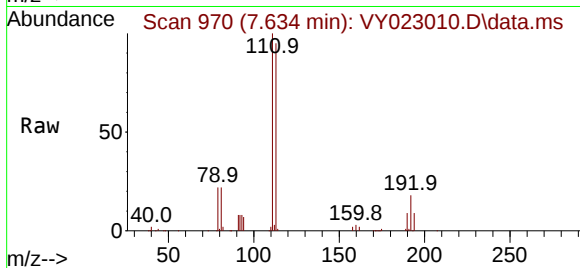




#35
Dibromofluoromethane
Concen: 51.703 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

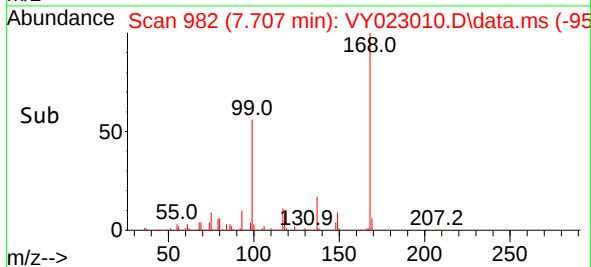
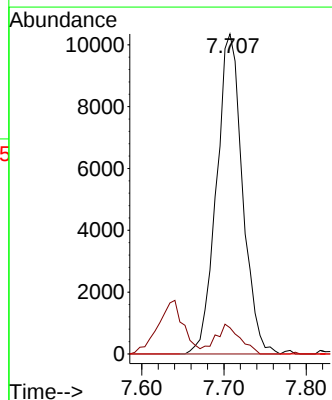
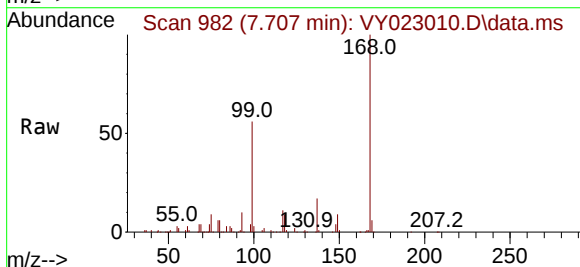
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-40-071725

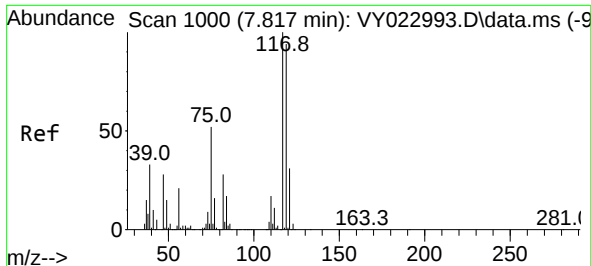
Tgt Ion:113 Resp: 158814
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 18.0 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.698 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion: 75 Resp: 22733
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.0 24.6 37.0#

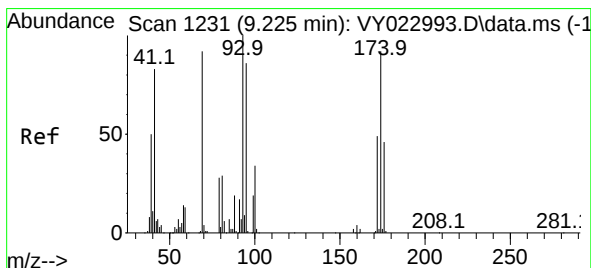
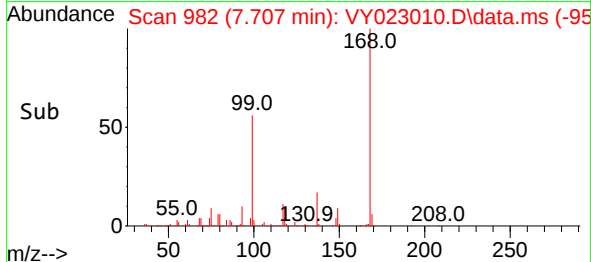
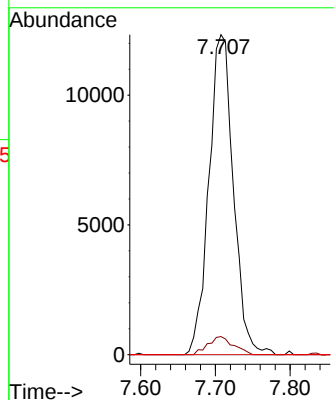
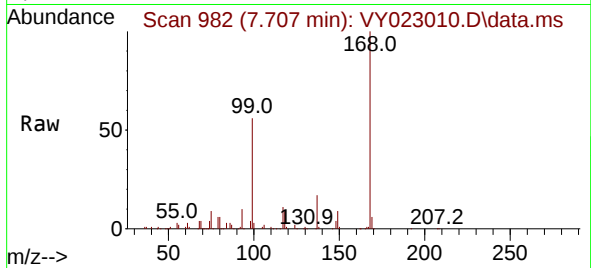




#38
Carbon Tetrachloride
Concen: 5.337 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

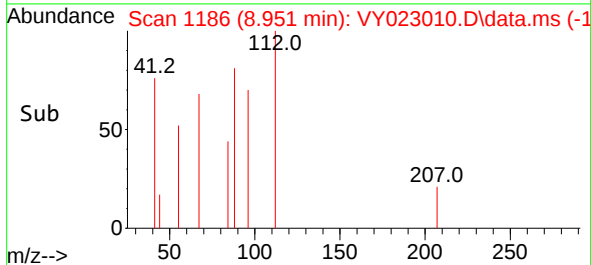
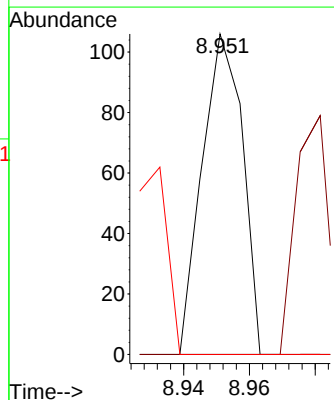
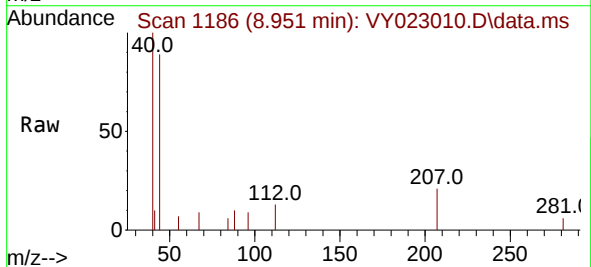
Instrument :
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ClientSampleId :
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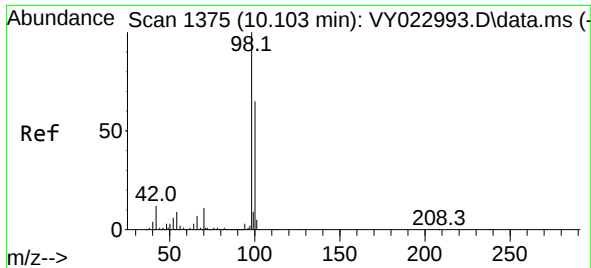
Tgt Ion:117 Resp: 28053
Ion Ratio Lower Upper
117 100
119 5.6 74.9 112.3#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 4.855 ug/l
RT: 8.951 min Scan# 1186
Delta R.T. -0.274 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 59.8 89.6#

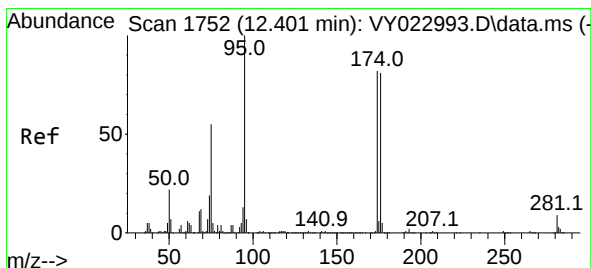
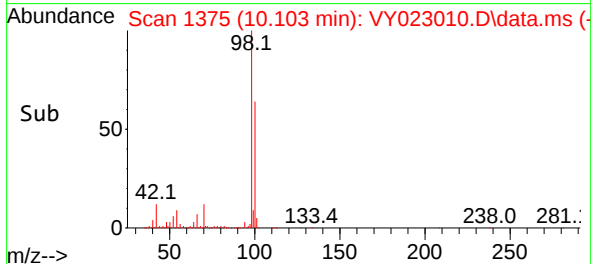
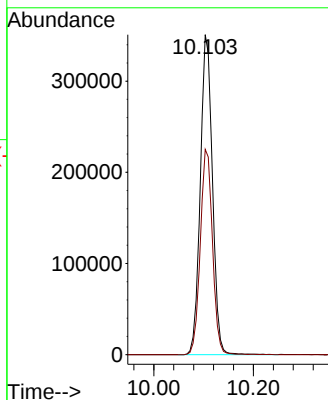
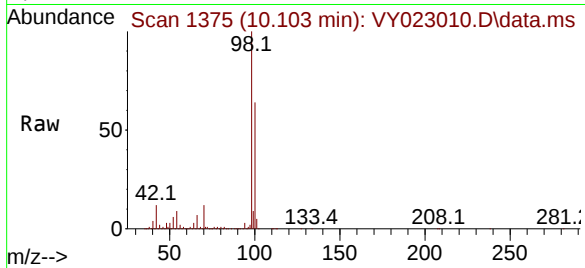




#50
Toluene-d8
Concen: 48.576 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

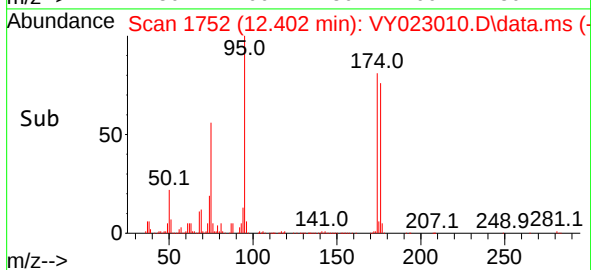
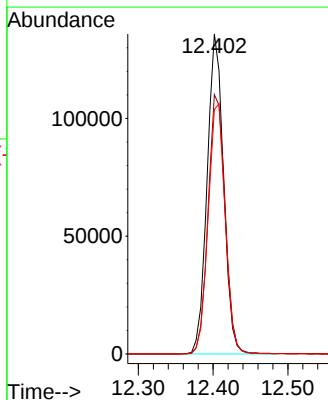
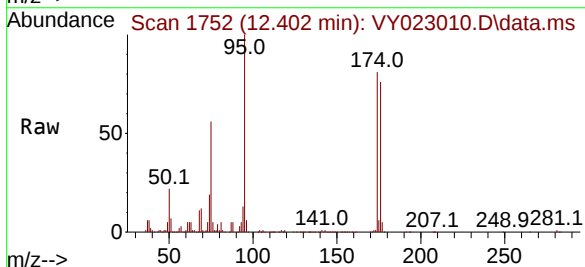
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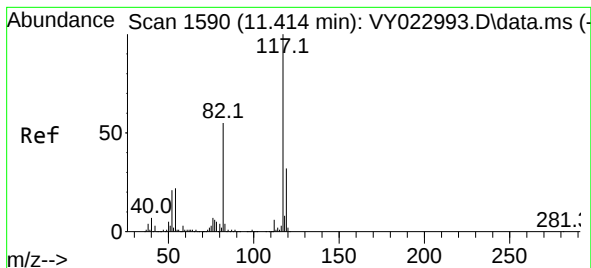
Tgt Ion: 98 Resp: 591711
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.064 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion: 95 Resp: 207302
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.3 0.0 163.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023010.D

Acq: 18 Jul 2025 20:03

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-40-071725

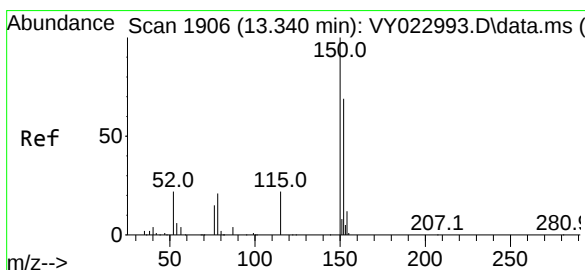
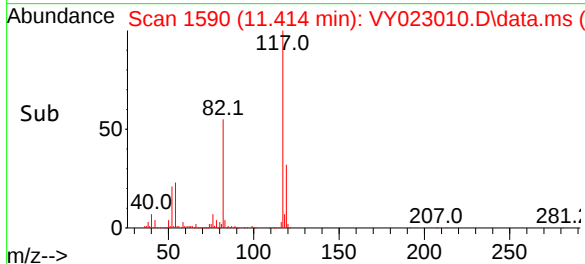
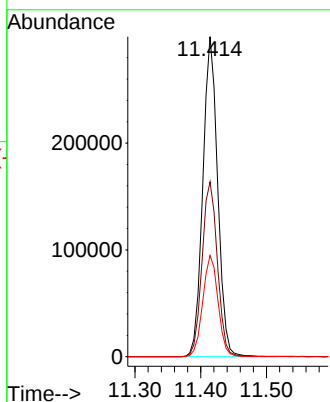
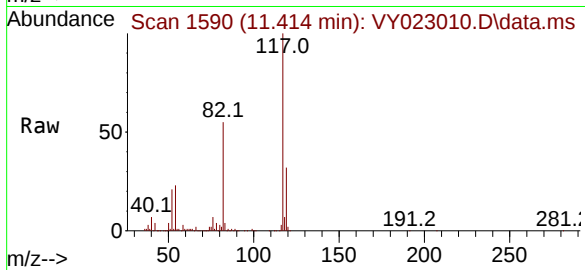
Tgt Ion:117 Resp: 470038

Ion Ratio Lower Upper

117 100

82 54.7 44.3 66.5

119 31.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023010.D

Acq: 18 Jul 2025 20:03

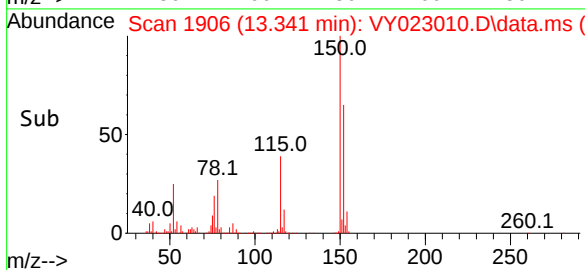
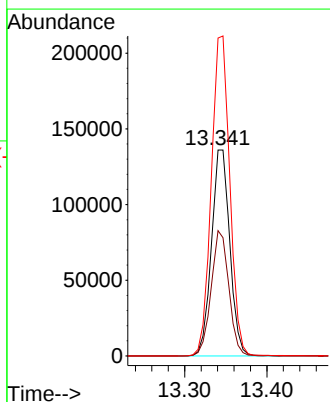
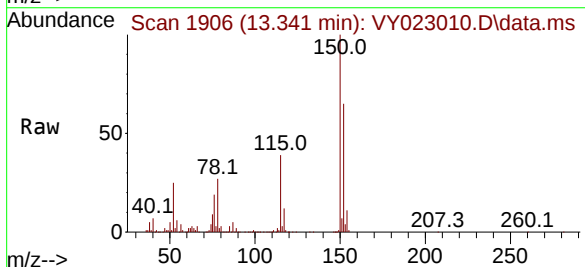
Tgt Ion:152 Resp: 210725

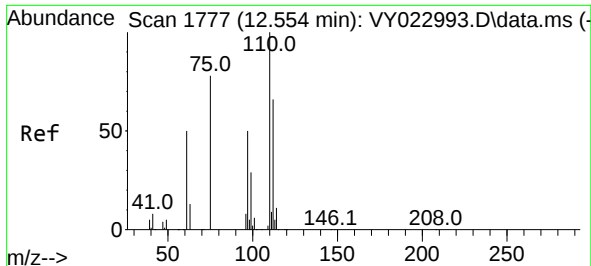
Ion Ratio Lower Upper

152 100

115 58.7 29.4 88.2

150 156.8 0.0 350.0

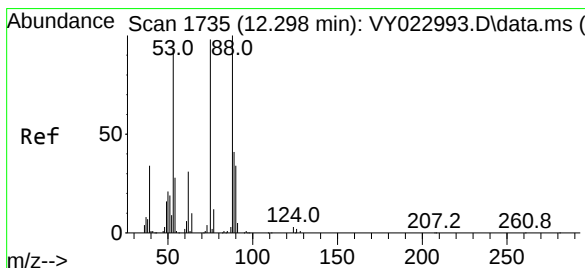
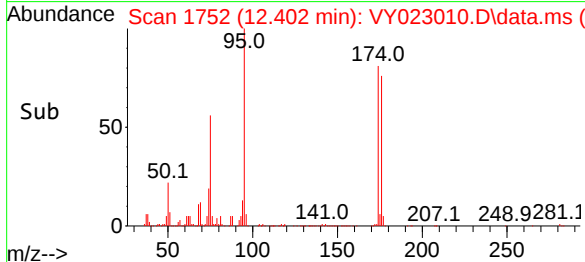
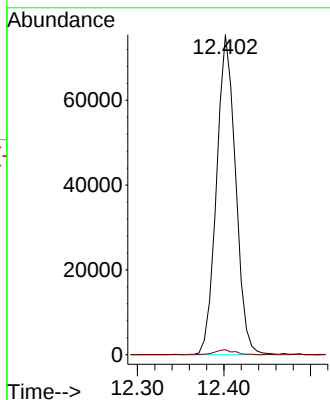
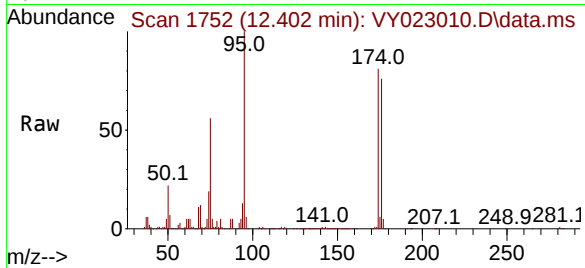




#76
1,2,3-Trichloropropane
Concen: 43.917 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-40-071725

Tgt Ion: 75 Resp: 115318
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.806 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023010.D
Acq: 18 Jul 2025 20:03

Tgt Ion: 75 Resp: 115318
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.1 54.1#

