

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023008.D
 Acq On : 18 Jul 2025 19:18
 Operator : SY/MD
 Sample : Q2639-01
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-38-071725

Quant Time: Jul 19 02:15:27 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)

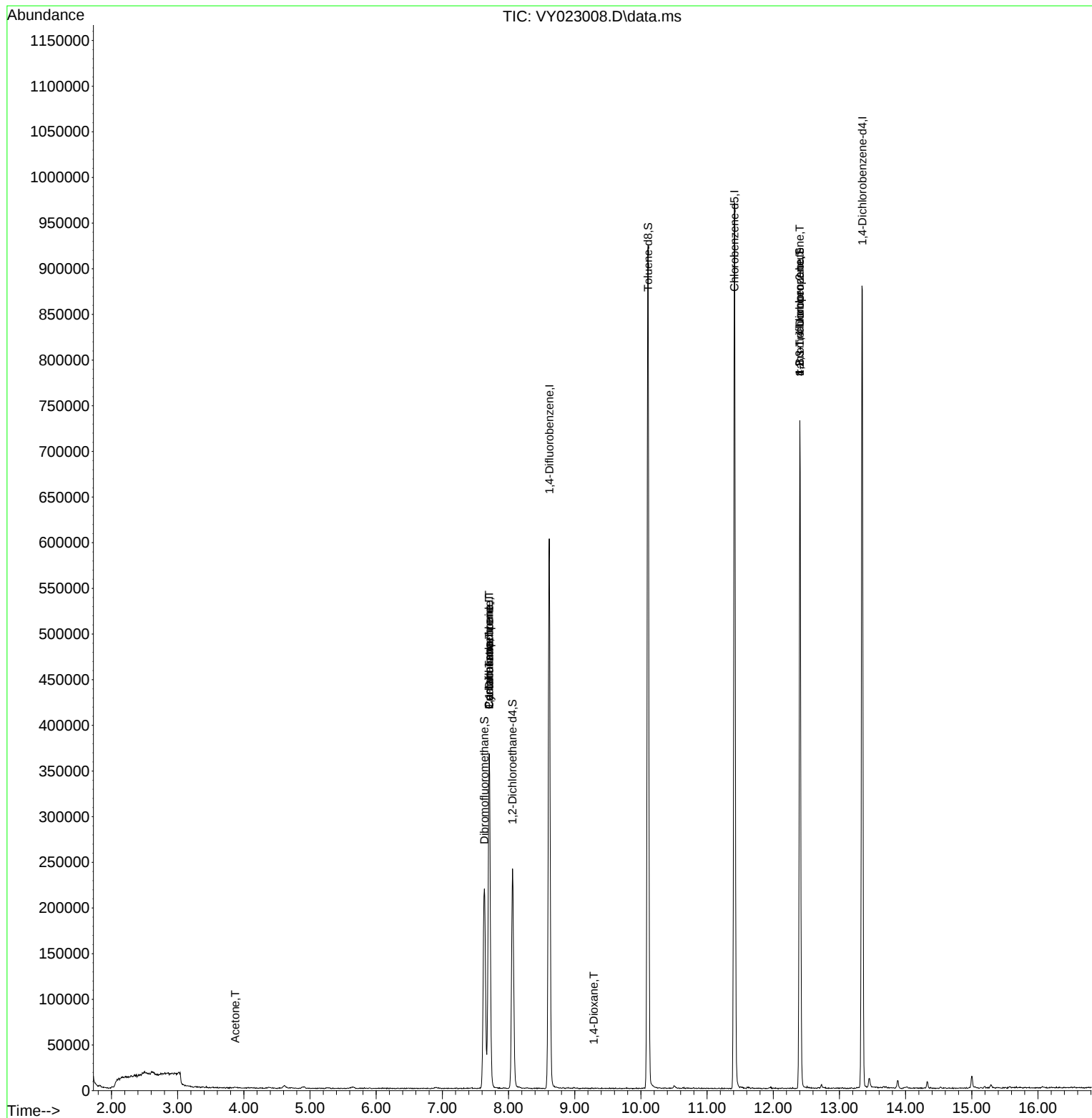
Internal Standards						
1) Pentafluorobenzene	7.707	168	273786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	495099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	487615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	213541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188112	67.871	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.740%	
35) Dibromofluoromethane	7.634	113	160366	51.062	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.109	98	603868	48.486	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.980%	
62) 4-Bromofluorobenzene	12.402	95	214013	54.589	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.180%	
Target Compounds						Qvalue
16) Acetone	3.873	43	875	1.742	ug/l #	74
20) Methylene Chloride	4.598	84	791	Below Cal	#	61
31) Cyclohexane	7.707	56	7035	1.275	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23098	4.669	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28794	5.358	ug/l #	17
49) 1,4-Dioxane	9.286	88	45	2.374	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	116083	43.626	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	116083	129.937	ug/l #	12

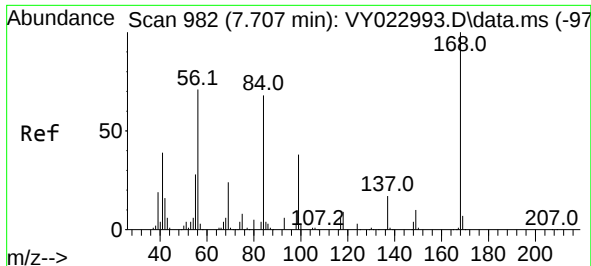
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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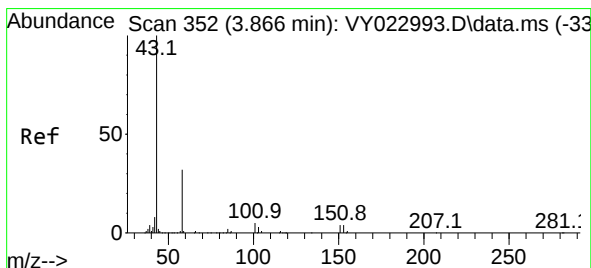
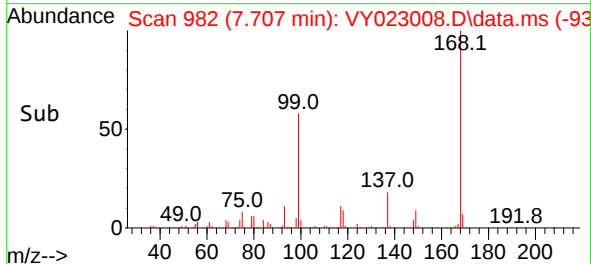
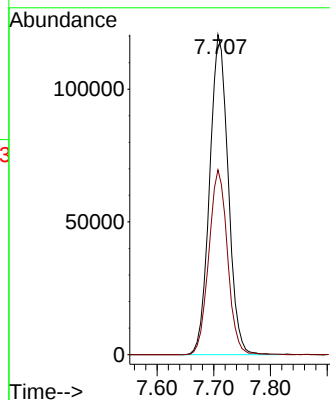
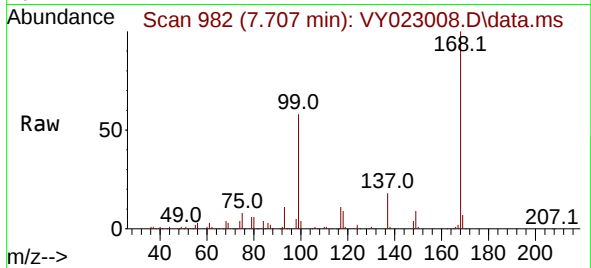




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

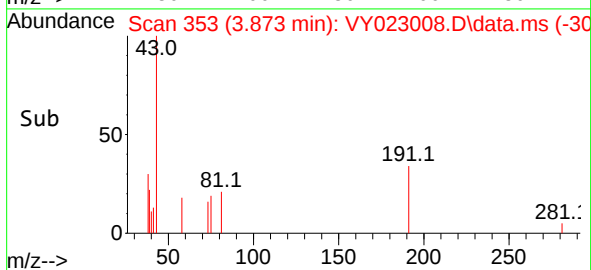
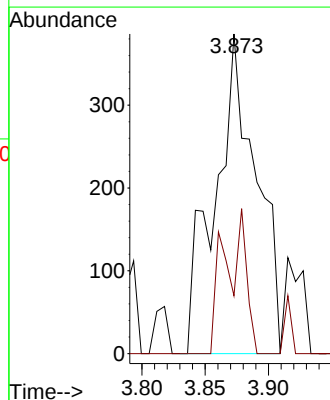
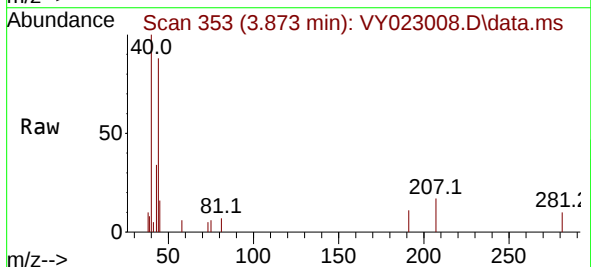
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-38-071725

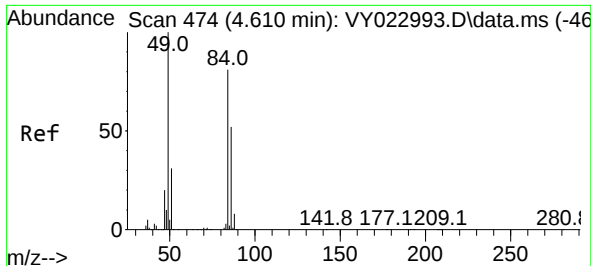
Tgt Ion:168 Resp: 273786
Ion Ratio Lower Upper
168 100
99 57.8 44.4 66.6



#16
Acetone
Concen: 1.742 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 18.1 26.2 39.4#

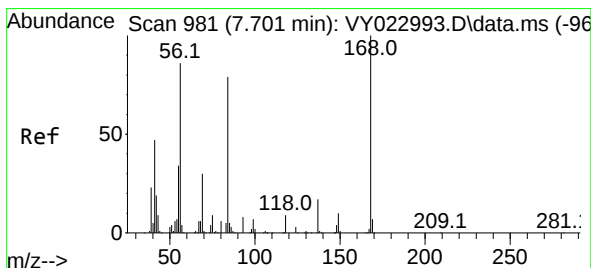
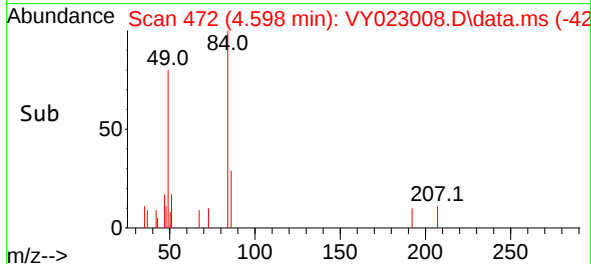
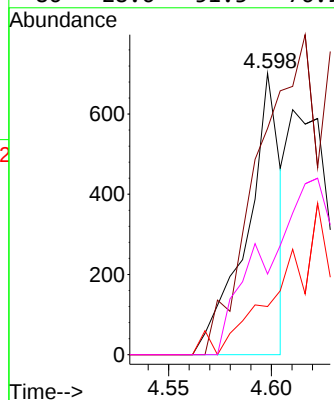
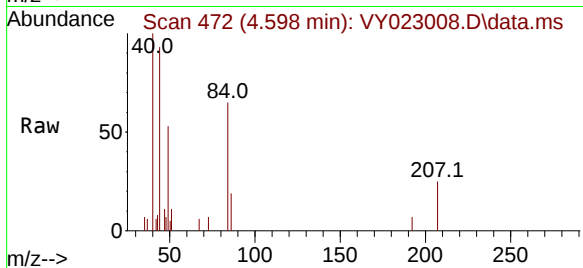




#20
Methylene Chloride
Concen: Below Cal
RT: 4.598 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

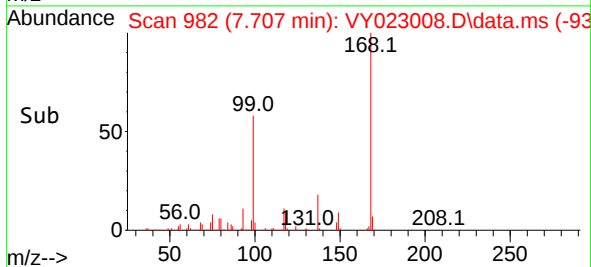
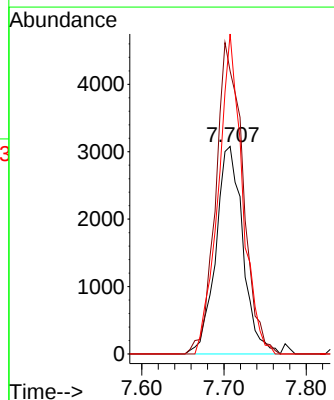
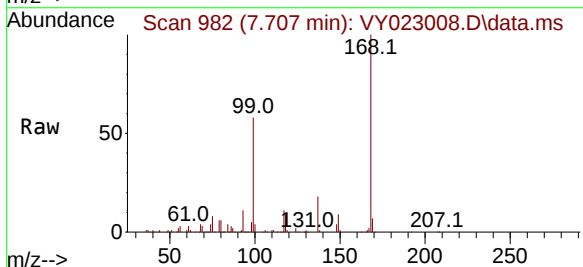
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-38-071725

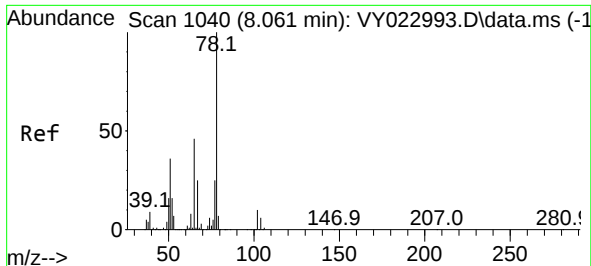
Tgt Ion:	84	Resp:	791
Ion	Ratio	Lower	Upper
84	100		
49	80.3	98.2	147.4#
51	17.1	30.5	45.7#
86	28.6	51.3	76.9#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

Tgt Ion:	56	Resp:	7035
Ion	Ratio	Lower	Upper
56	100		
69	136.3	28.1	42.1#
84	164.0	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 67.871 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023008.D

Acq: 18 Jul 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

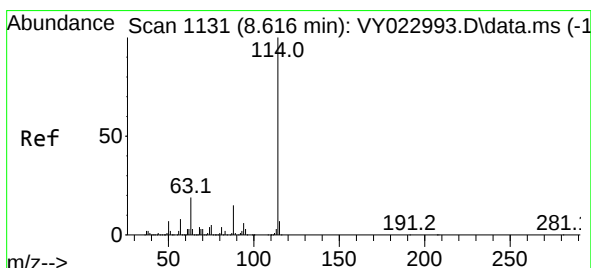
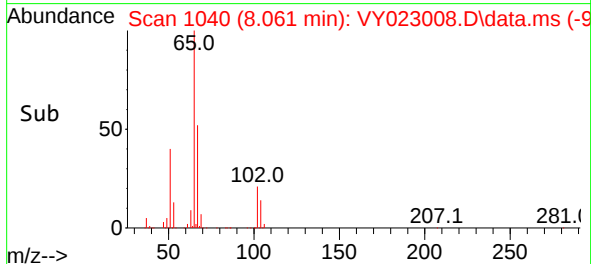
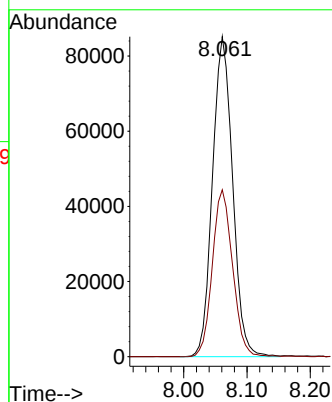
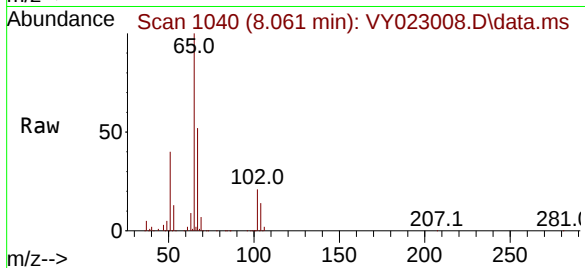
OU4-TS-38-071725

Tgt Ion: 65 Resp: 188112

Ion Ratio Lower Upper

65 100

67 52.4 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: VY023008.D

Acq: 18 Jul 2025 19:18

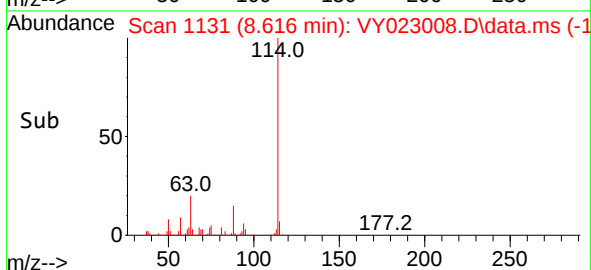
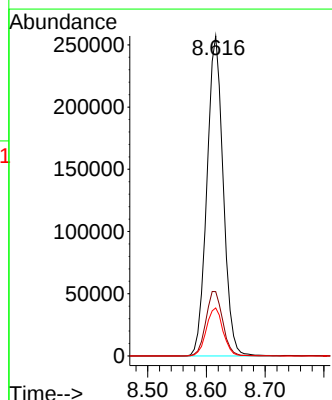
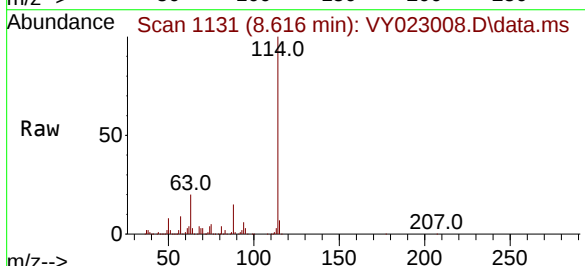
Tgt Ion: 114 Resp: 495099

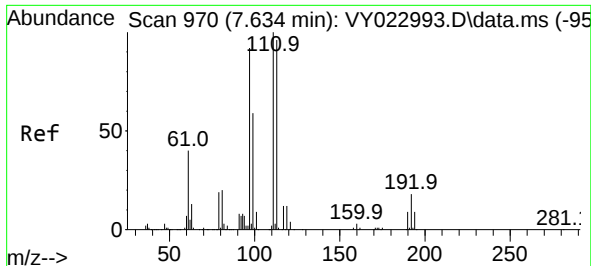
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 15.0 0.0 30.2

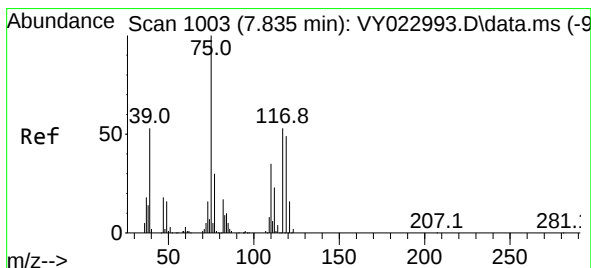
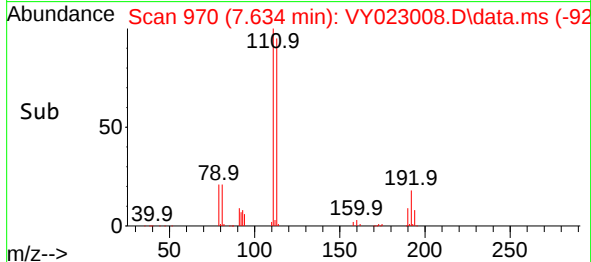
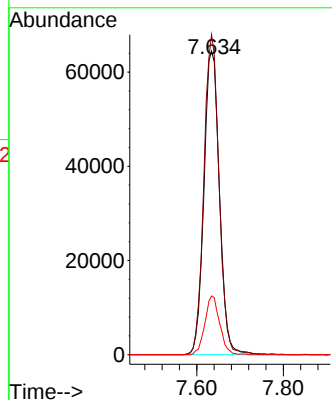
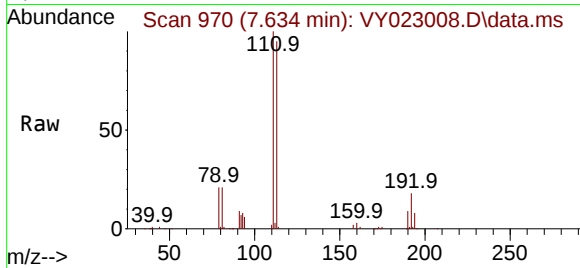




#35
Dibromofluoromethane
Concen: 51.062 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

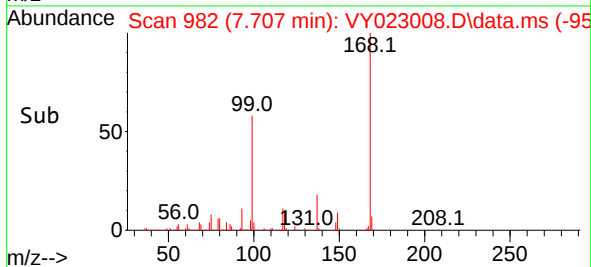
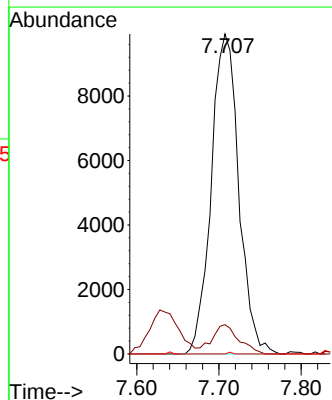
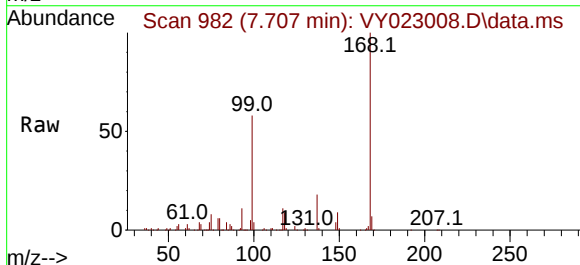
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-38-071725

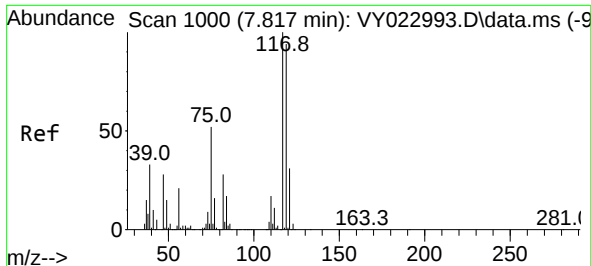
Tgt Ion:113 Resp: 160366
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 18.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

Tgt Ion: 75 Resp: 23098
Ion Ratio Lower Upper
75 100
110 8.7 17.3 51.9#
77 0.1 24.6 37.0#

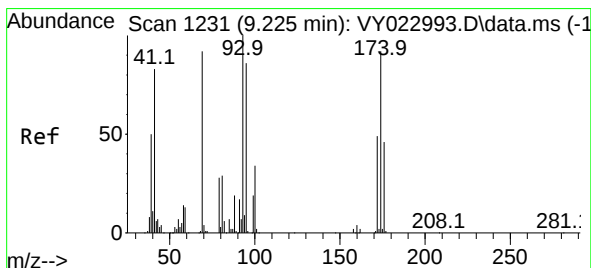
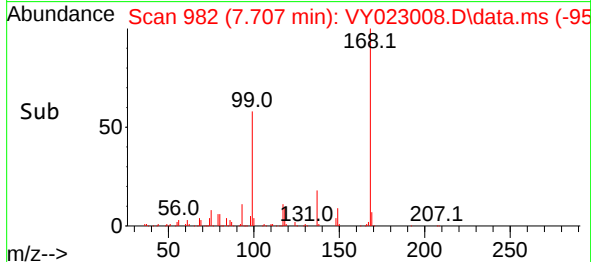
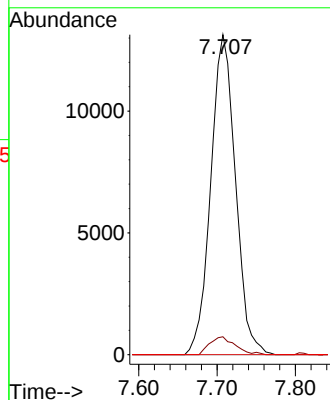
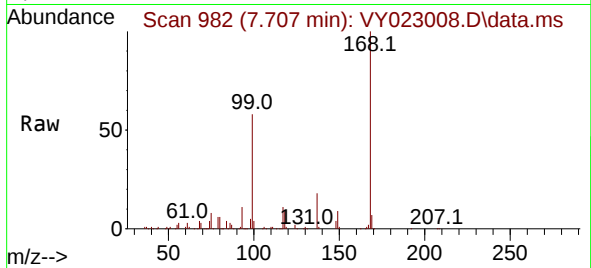




#38
Carbon Tetrachloride
Concen: 5.358 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

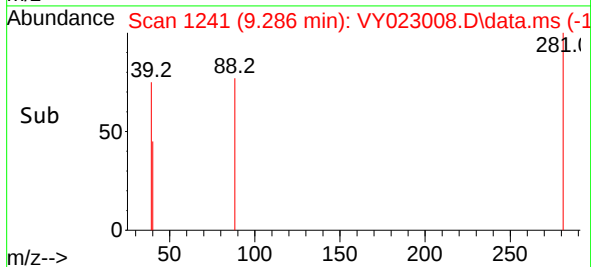
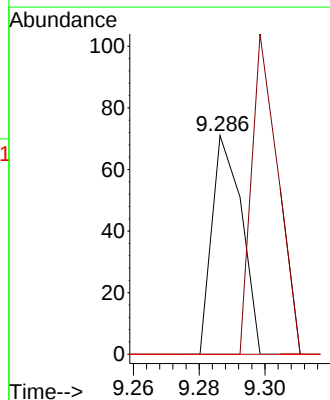
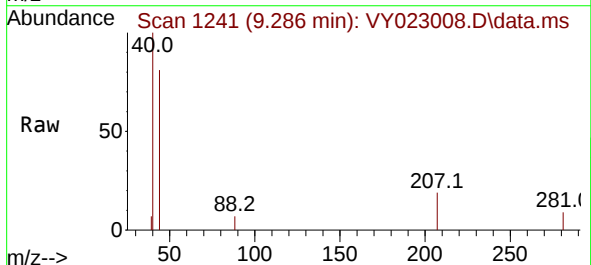
Instrument :
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ClientSampleId :
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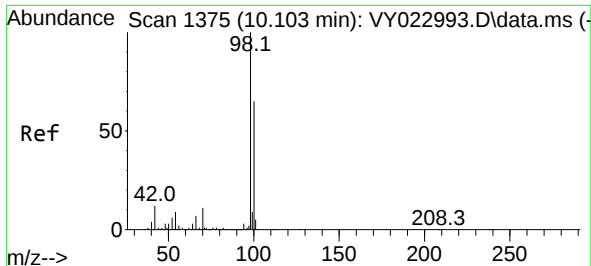
Tgt Ion:117 Resp: 28794
Ion Ratio Lower Upper
117 100
119 5.6 74.9 112.3#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 2.374 ug/l
RT: 9.286 min Scan# 1241
Delta R.T. 0.061 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 128.9 28.7 43.1#
58 0.0 59.8 89.6#

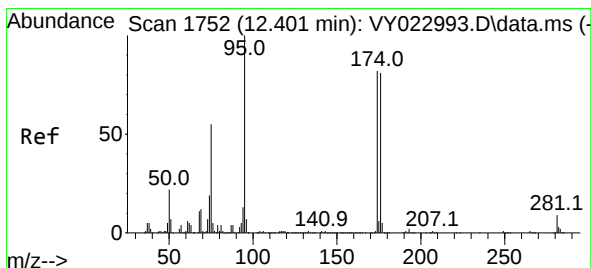
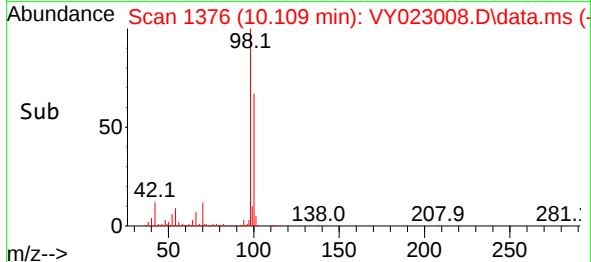
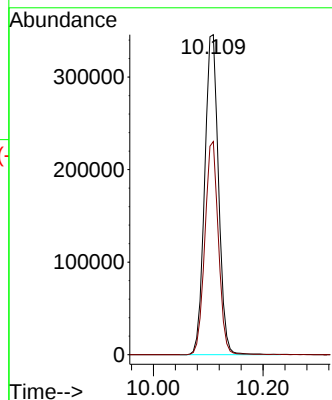
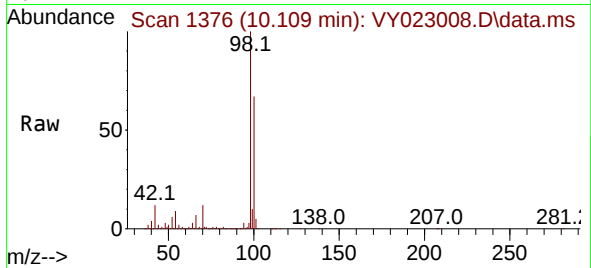




#50
Toluene-d8
Concen: 48.486 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

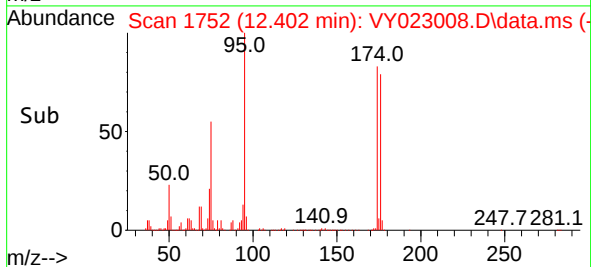
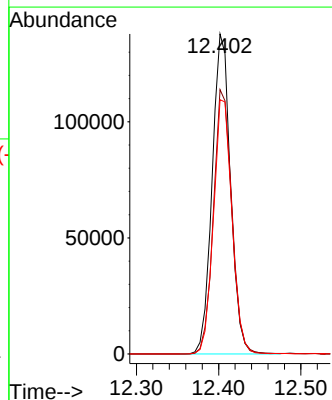
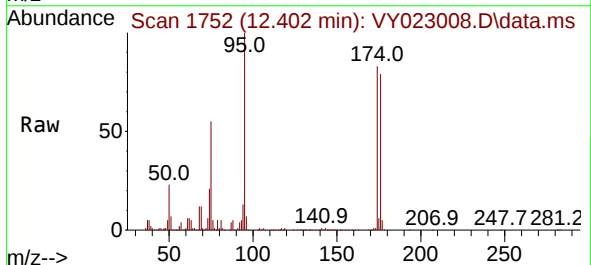
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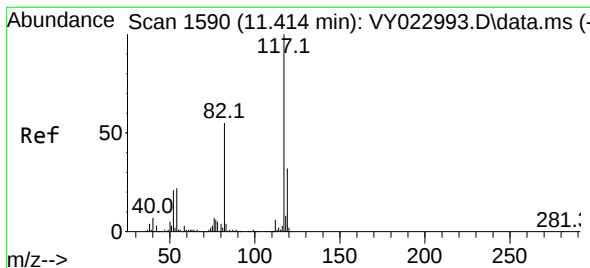
Tgt Ion: 98 Resp: 603868
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.589 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023008.D
Acq: 18 Jul 2025 19:18

Tgt Ion: 95 Resp: 214013
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.8
176 80.0 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: VY023008.D

Acq: 18 Jul 2025 19:18

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-38-071725

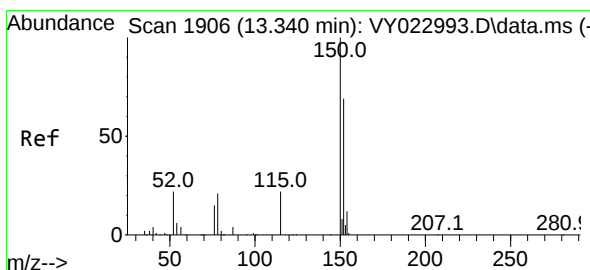
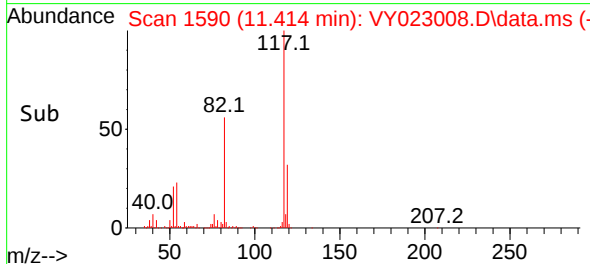
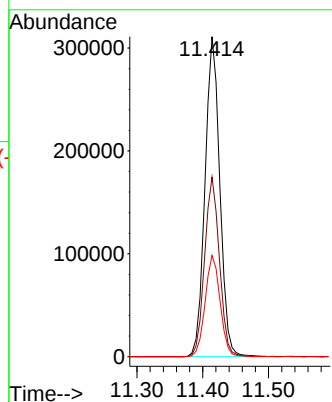
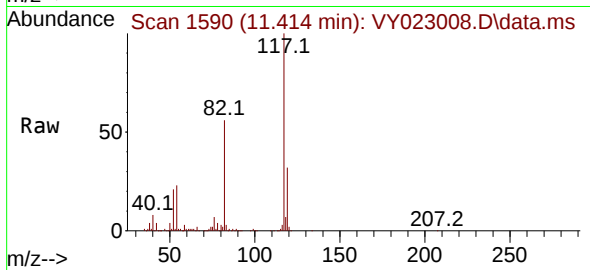
Tgt Ion:117 Resp: 487615

Ion Ratio Lower Upper

117 100

82 56.1 44.3 66.5

119 31.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023008.D

Acq: 18 Jul 2025 19:18

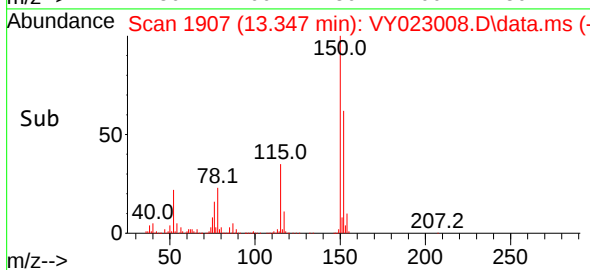
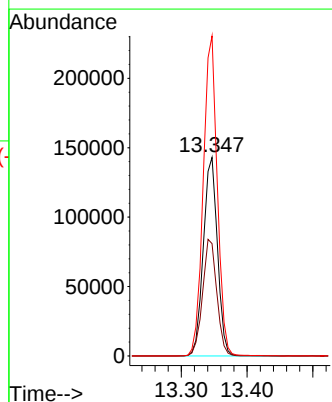
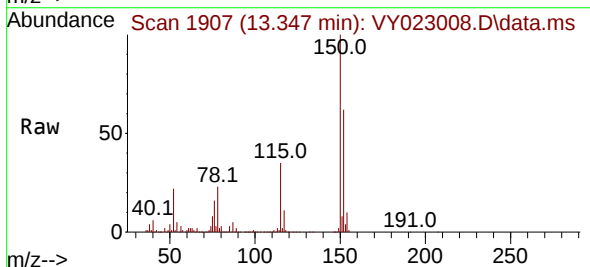
Tgt Ion:152 Resp: 213541

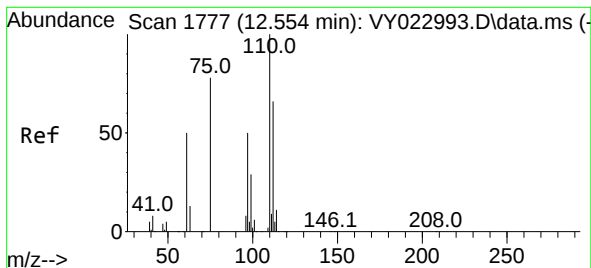
Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

150 159.8 0.0 350.0

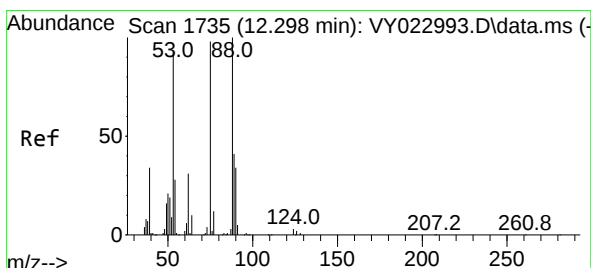
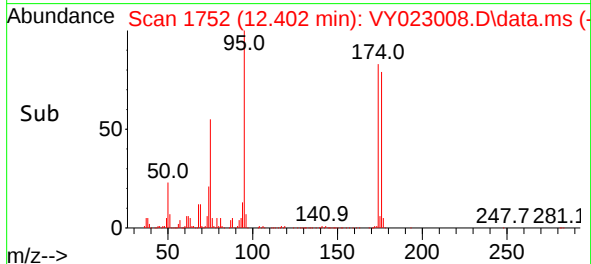
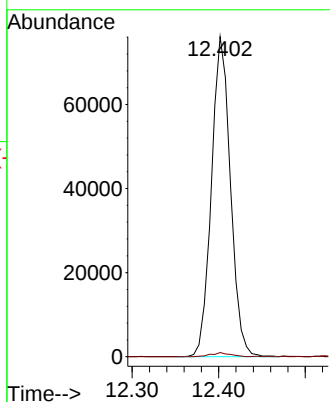
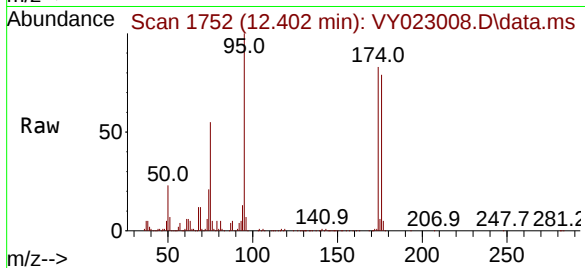




#76
 1,2,3-Trichloropropane
 Concen: 43.626 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023008.D
 Acq: 18 Jul 2025 19:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-38-071725

Tgt Ion: 75 Resp: 116083
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.937 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.104 min
 Lab File: VY023008.D
 Acq: 18 Jul 2025 19:18

Tgt Ion: 75 Resp: 116083
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.1 54.1#

