

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023006.D
 Acq On : 18 Jul 2025 18:32
 Operator : SY/MD
 Sample : Q2638-11
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-36-071725

Quant Time: Jul 19 02:14:46 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)

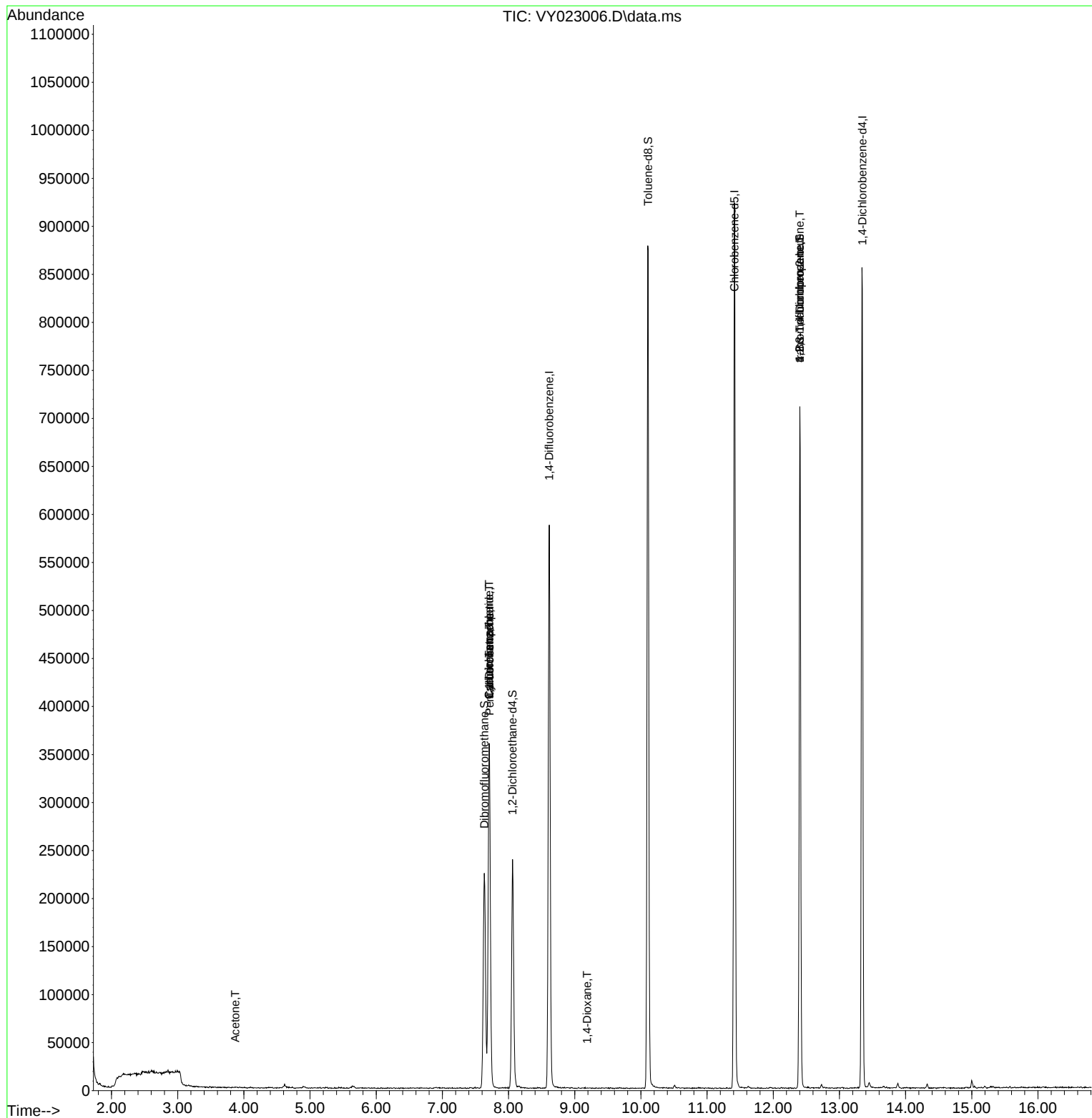
Internal Standards						
1) Pentafluorobenzene	7.713	168	273235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	489594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	474387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	184125	66.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.140%	
35) Dibromofluoromethane	7.634	113	160651	51.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.460%	
50) Toluene-d8	10.109	98	589587	47.872	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.740%	
62) 4-Bromofluorobenzene	12.401	95	210820	54.379	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.760%	
Target Compounds						Qvalue
16) Acetone	3.872	43	735	1.466	ug/l #	16
20) Methylene Chloride	4.616	84	1569	Below Cal		93
31) Cyclohexane	7.707	56	6768	1.229	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	23532	4.810	ug/l #	49
38) Carbon Tetrachloride	7.707	117	27936	5.256	ug/l #	16
49) 1,4-Dioxane	9.188	88	19	1.014	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	115561	43.317	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	115561	129.017	ug/l #	12

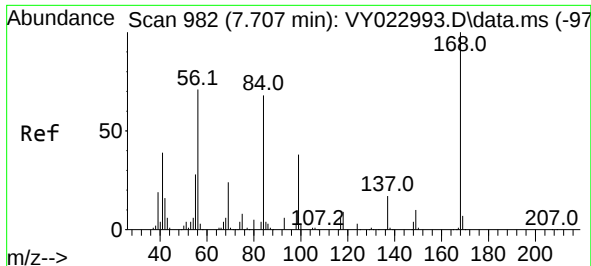
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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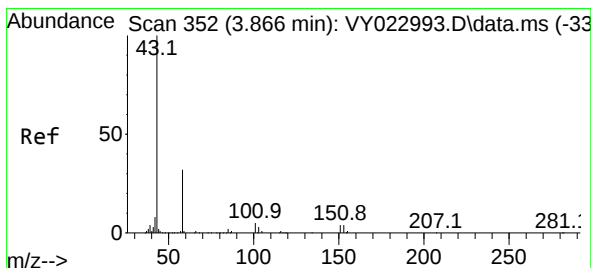
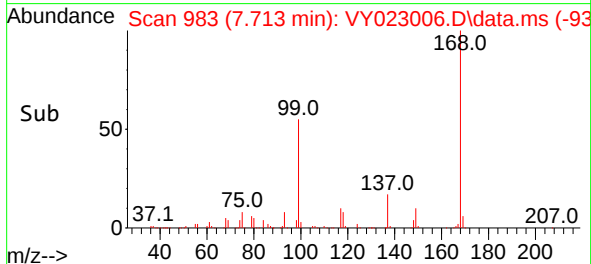
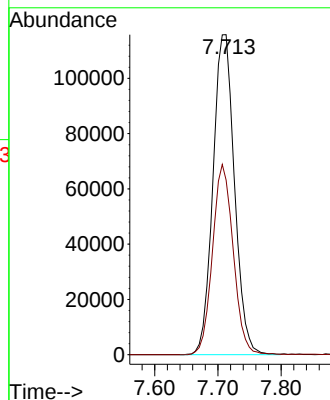
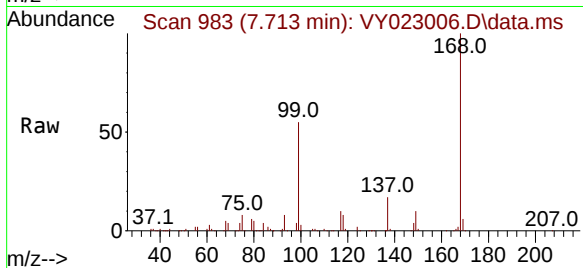




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

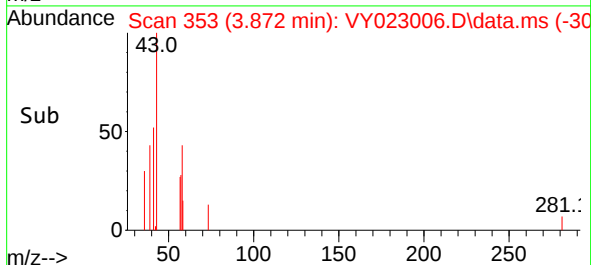
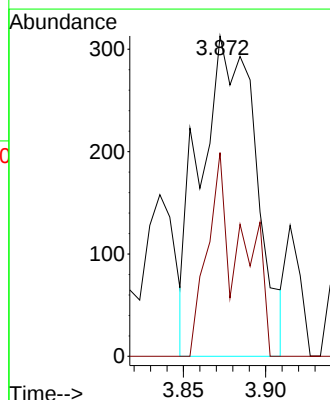
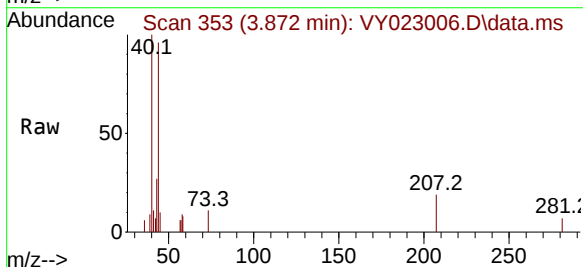
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

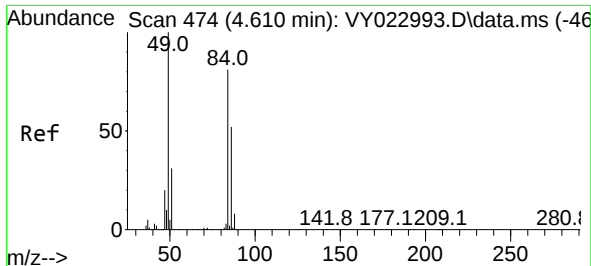
Tgt Ion:168 Resp: 273235
Ion Ratio Lower Upper
168 100
99 54.5 44.4 66.6



#16
Acetone
Concen: 1.466 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
58 80.2 26.2 39.4#

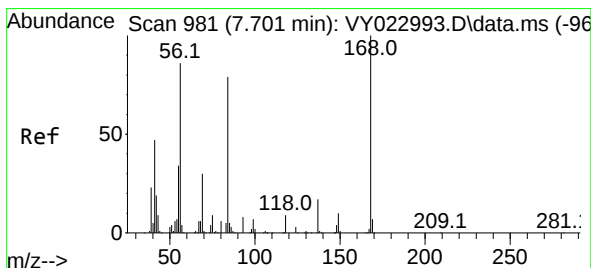
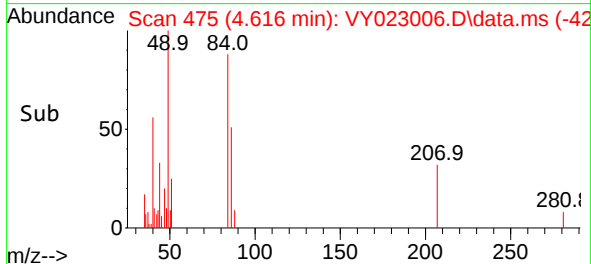
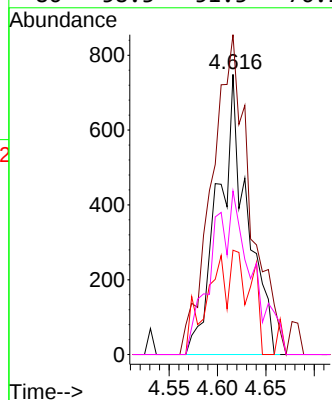
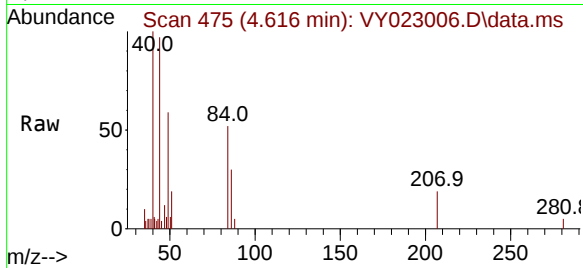




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

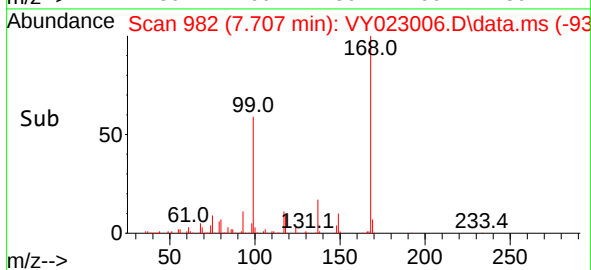
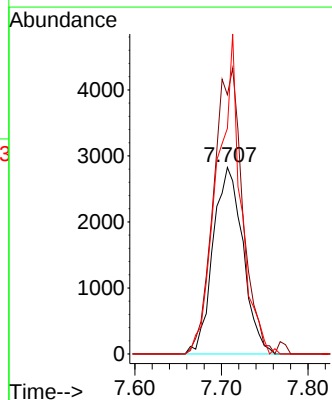
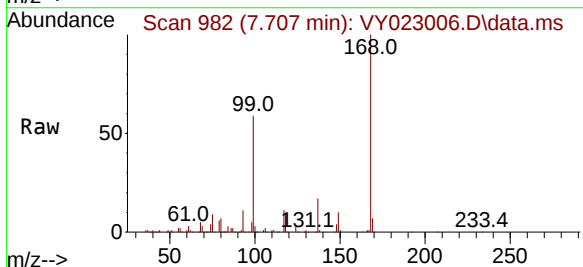
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

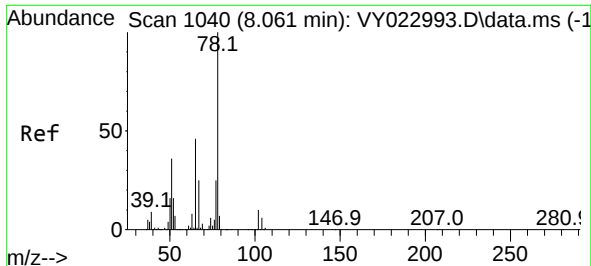
Tgt Ion:	84	Resp:	1569
Ion	Ratio	Lower	Upper
84	100		
49	114.2	98.2	147.4
51	37.2	30.5	45.7
86	58.3	51.3	76.9



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion:	56	Resp:	6768
Ion	Ratio	Lower	Upper
56	100		
69	138.9	28.1	42.1#
84	120.9	73.5	110.3#





#33

1,2-Dichloroethane-d4

Concen: 66.566 ug/l

RT: 8.060 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

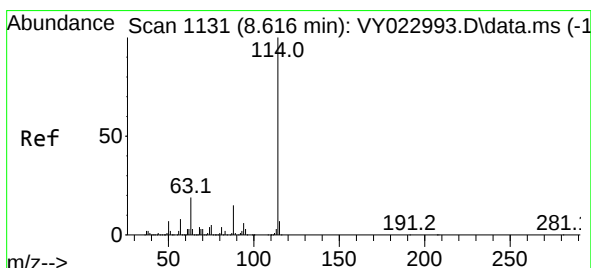
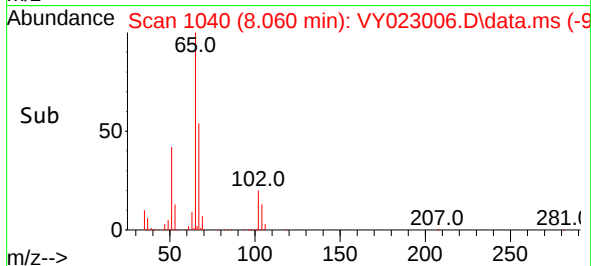
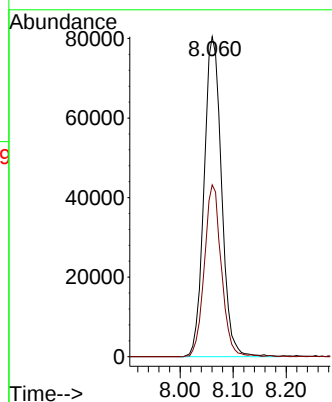
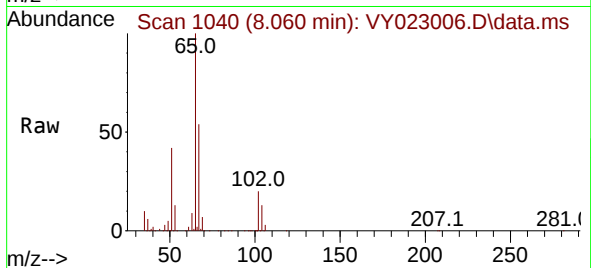
OU4-TS-36-071725

Tgt Ion: 65 Resp: 184125

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

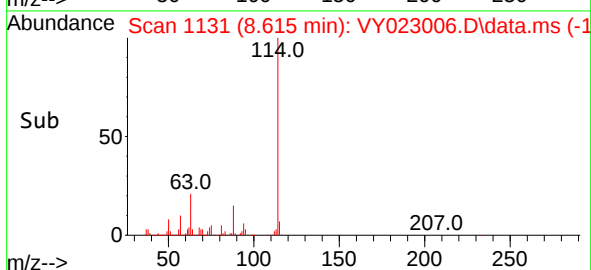
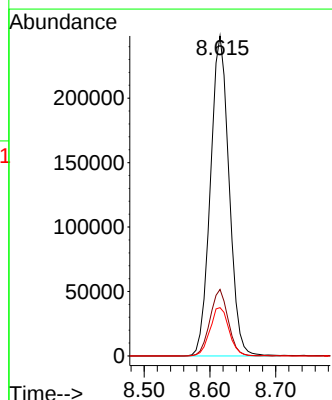
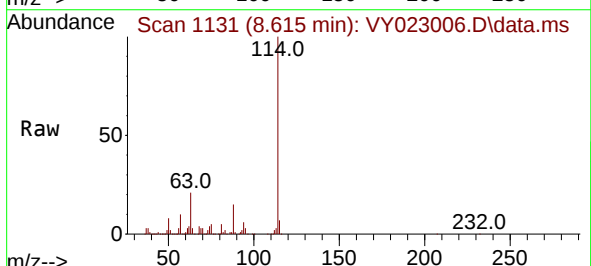
Tgt Ion: 114 Resp: 489594

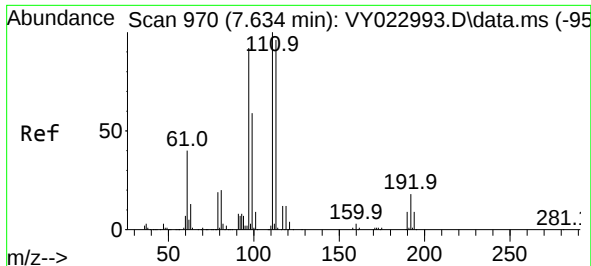
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

88 15.1 0.0 30.2

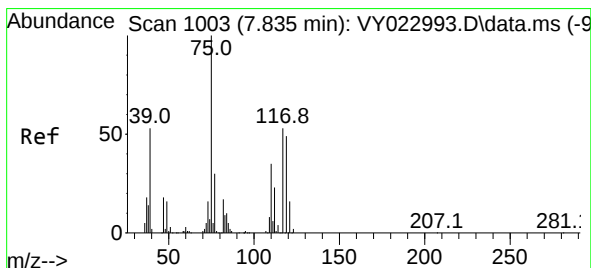
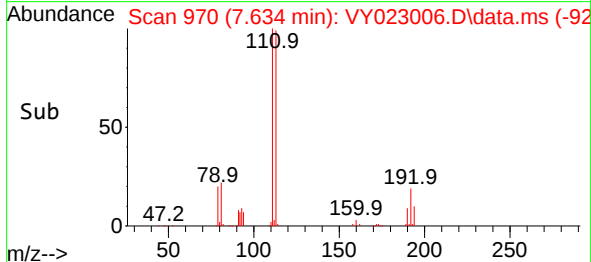
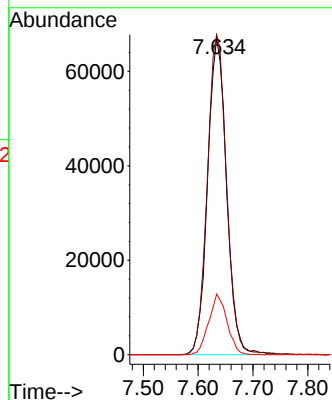
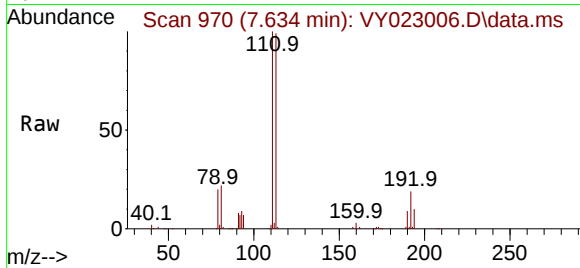




#35
Dibromofluoromethane
Concen: 51.728 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

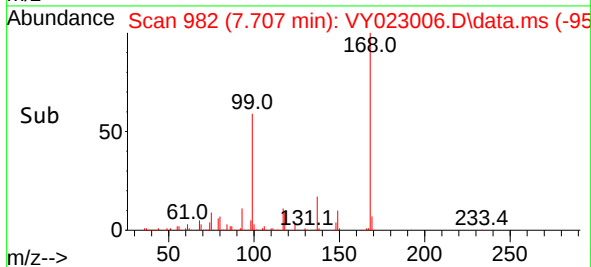
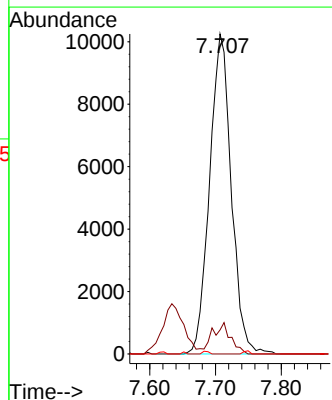
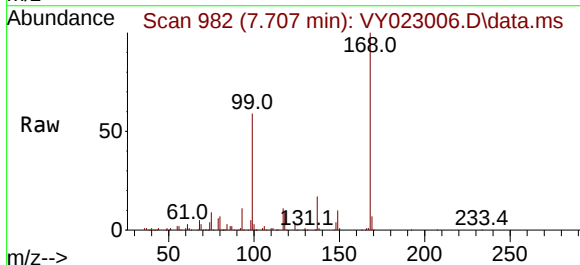
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

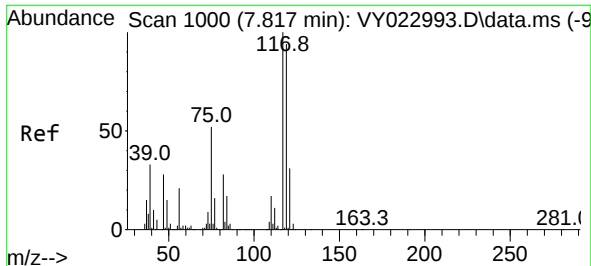
Tgt Ion:113 Resp: 160651
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 18.5 15.3 22.9



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion: 75 Resp: 23532
Ion Ratio Lower Upper
75 100
110 8.0 17.3 51.9#
77 0.0 24.6 37.0#

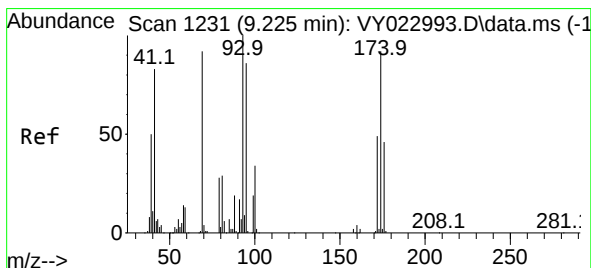
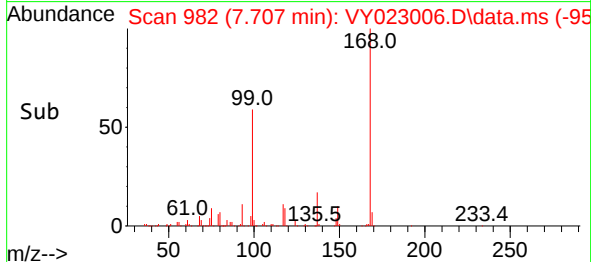
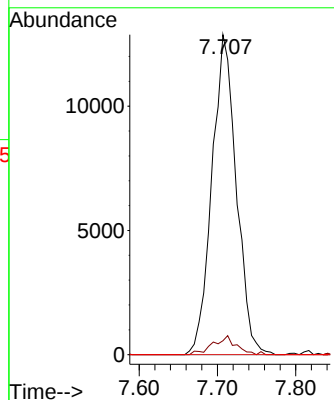
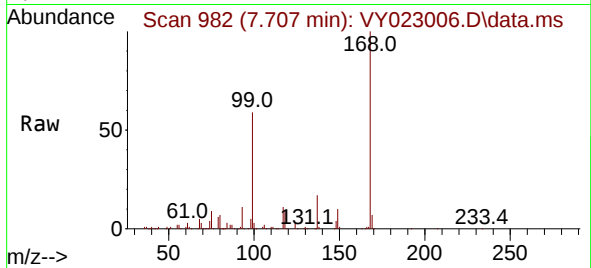




#38
Carbon Tetrachloride
Concen: 5.256 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

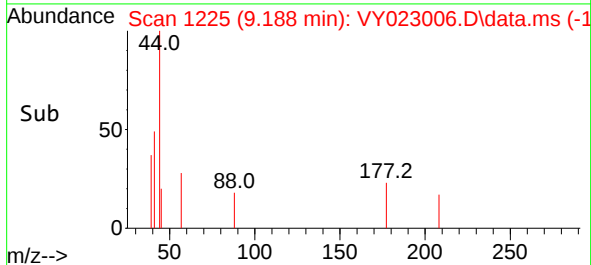
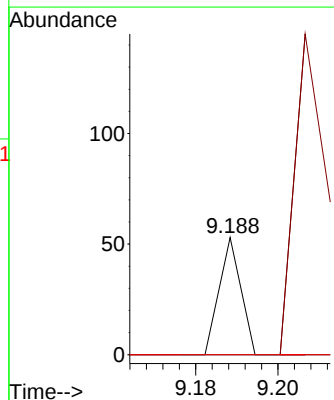
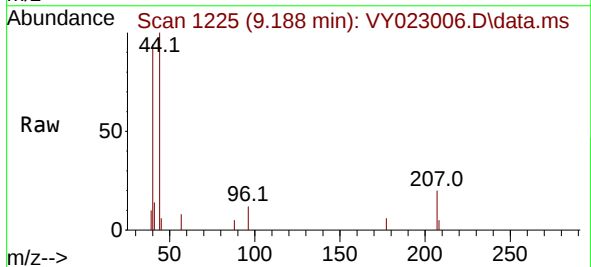
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-36-071725

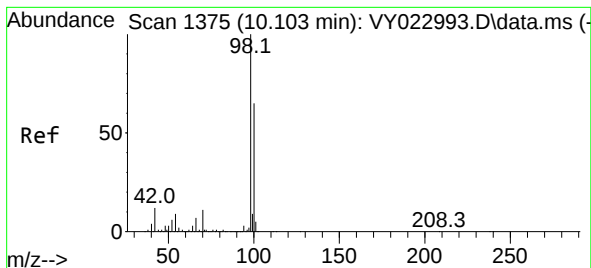
Tgt Ion:117 Resp: 27936
Ion Ratio Lower Upper
117 100
119 4.4 74.9 112.3#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 1.014 ug/l
RT: 9.188 min Scan# 1225
Delta R.T. -0.037 min
Lab File: VY023006.D
Acq: 18 Jul 2025 18:32

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 410.5 28.7 43.1#
58 0.0 59.8 89.6#





#50

Toluene-d8

Concen: 47.872 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

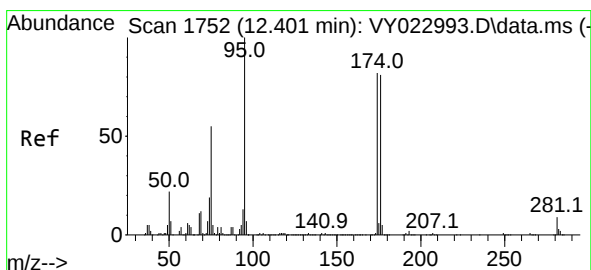
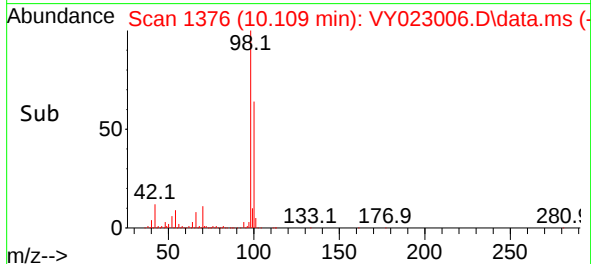
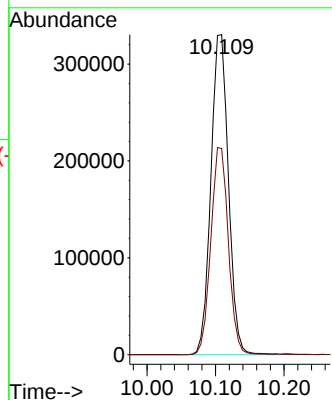
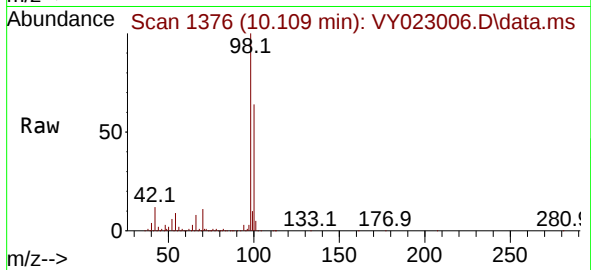
OU4-TS-36-071725

Tgt Ion: 98 Resp: 589587

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 54.379 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

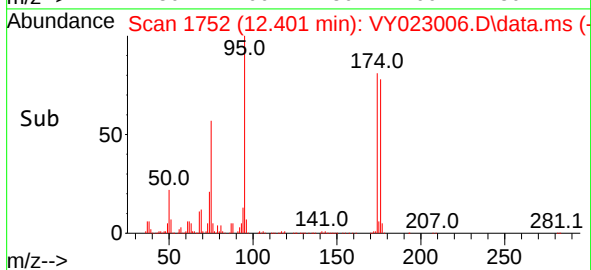
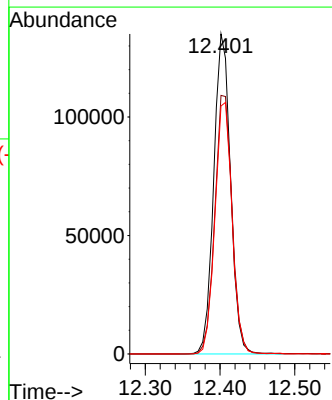
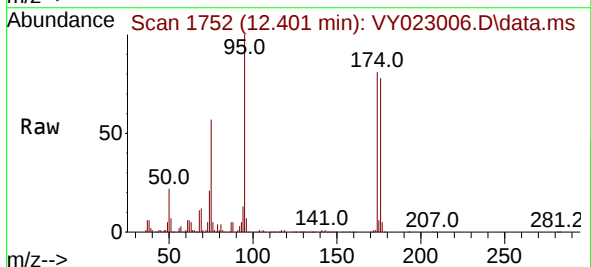
Tgt Ion: 95 Resp: 210820

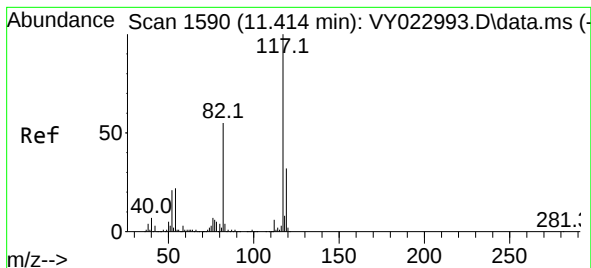
Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.8

176 80.2 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: VY023006.D

Acq: 18 Jul 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-36-071725

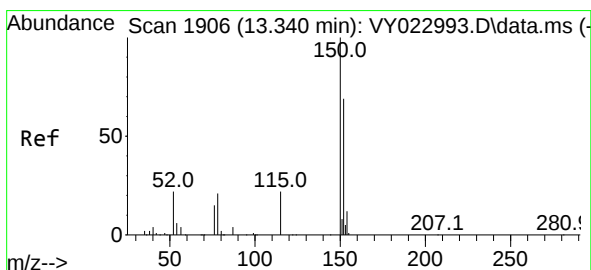
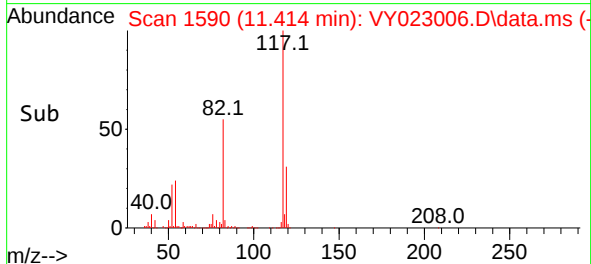
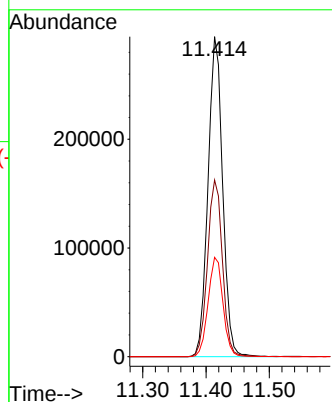
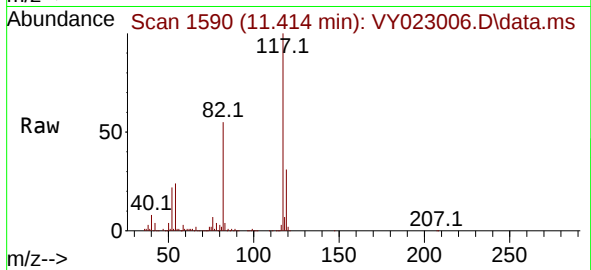
Tgt Ion:117 Resp: 474387

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

119 31.1 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

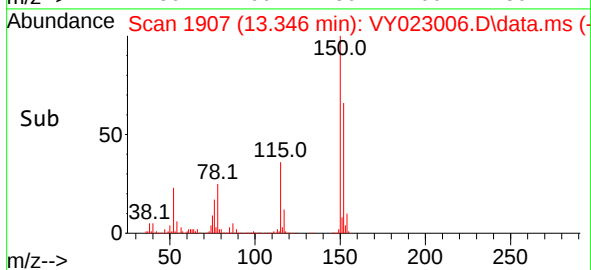
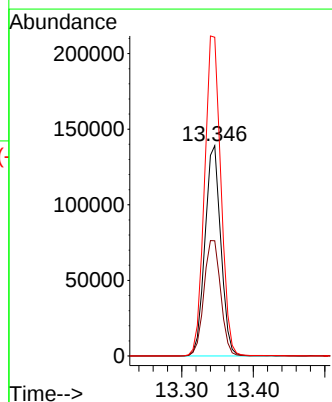
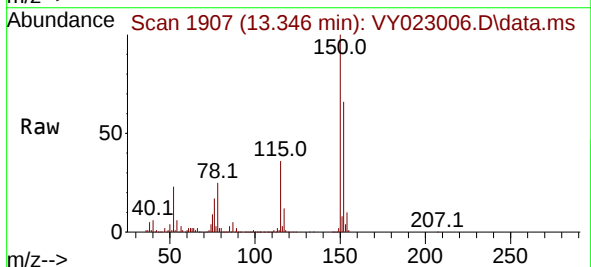
Tgt Ion:152 Resp: 214097

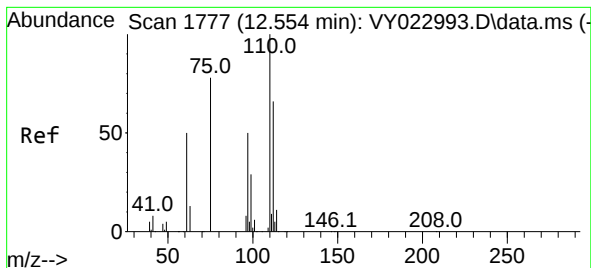
Ion Ratio Lower Upper

152 100

115 57.9 29.4 88.2

150 156.8 0.0 350.0





#76

1,2,3-Trichloropropane

Concen: 43.317 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

Instrument :

MSVOA_Y

ClientSampleId :

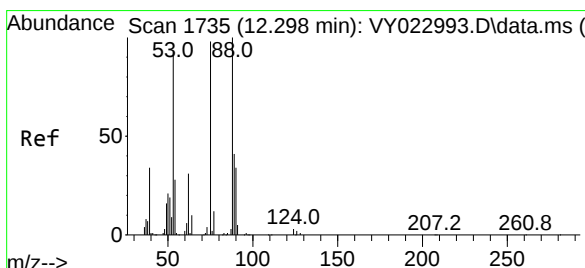
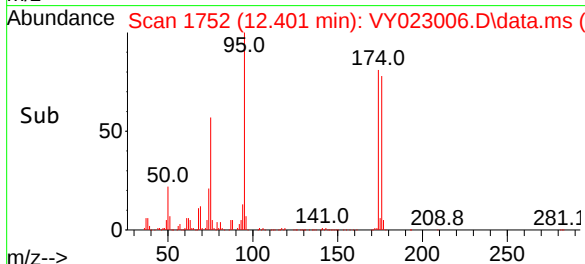
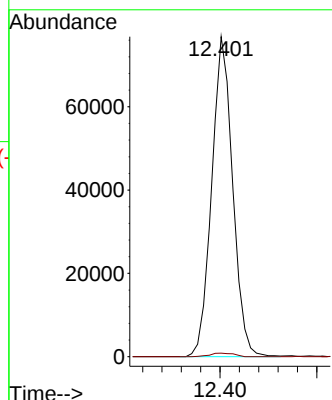
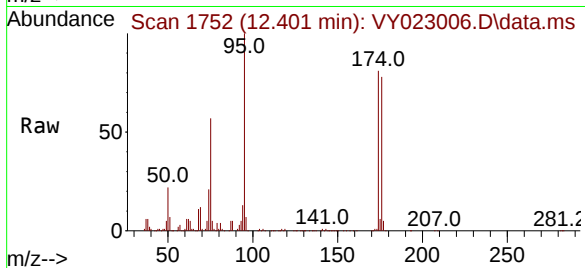
OU4-TS-36-071725

Tgt Ion: 75 Resp: 115561

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.017 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.103 min

Lab File: VY023006.D

Acq: 18 Jul 2025 18:32

Tgt Ion: 75 Resp: 115561

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.1 54.1#

