

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023002.D
 Acq On : 18 Jul 2025 17:01
 Operator : SY/MD
 Sample : Q2638-03
 Misc : 4.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-32-071725

Quant Time: Jul 19 02:13:22 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)

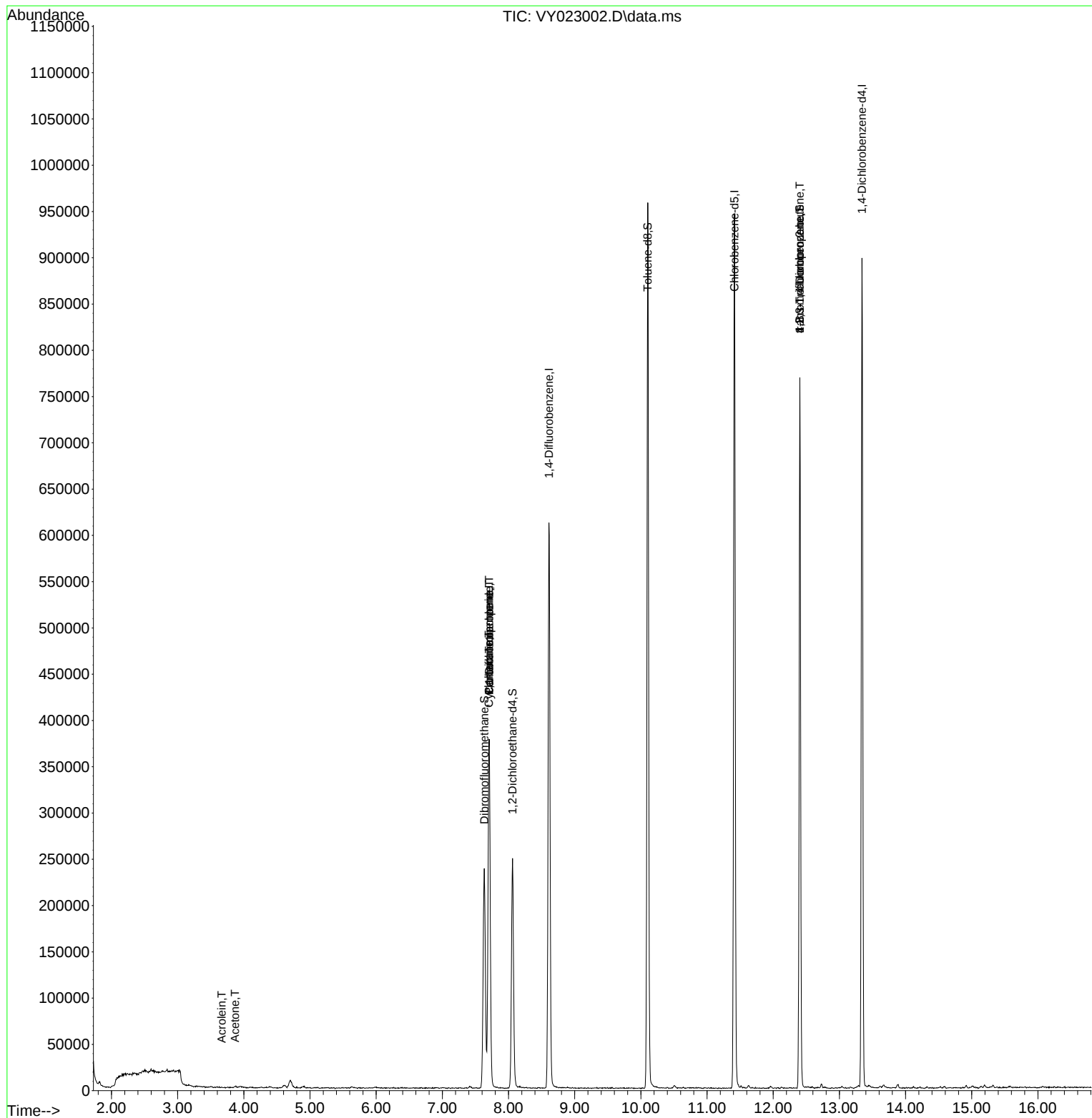
Internal Standards						
1) Pentafluorobenzene	7.707	168	293331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	518735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	489053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	219615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	194533	65.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.020%	
35) Dibromofluoromethane	7.634	113	165389	50.262	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.103	98	612100	46.908	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.820%	
62) 4-Bromofluorobenzene	12.402	95	220011	53.562	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.120%	
Target Compounds						
					Qvalue	
13) Acrolein	3.665	56	90	1.067	ug/l #	24
16) Acetone	3.866	43	2382	4.425	ug/l #	80
20) Methylene Chloride	4.598	84	741	Below Cal	#	69
31) Cyclohexane	7.701	56	7373	1.247	ug/l #	36
36) 1,1-Dichloropropene	7.707	75	24696	4.765	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29929	5.315	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	120633	44.082	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	120633	131.296	ug/l #	12

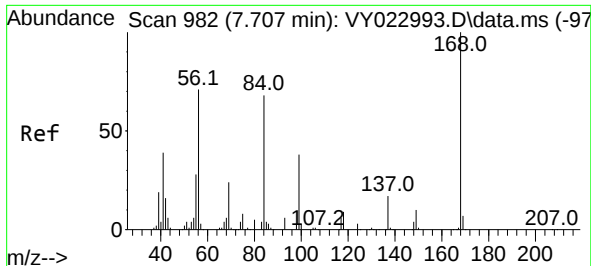
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-32-071725

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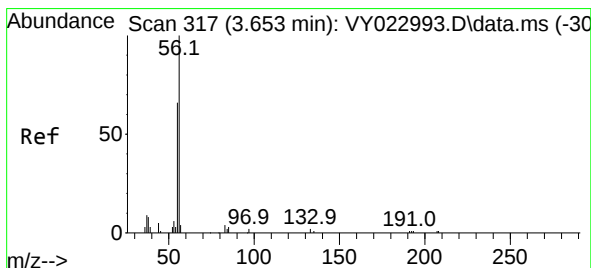
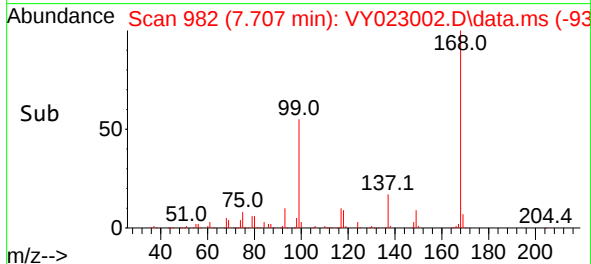
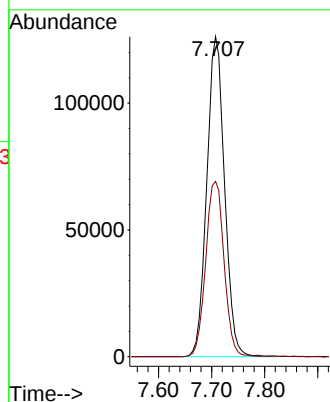
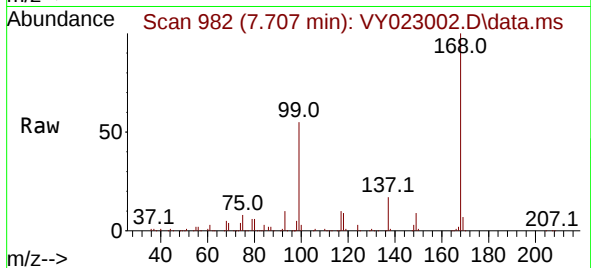




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

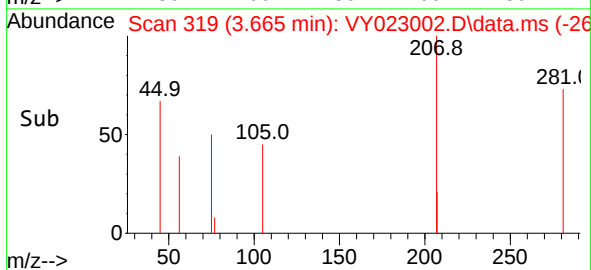
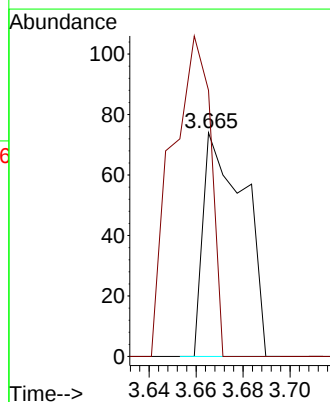
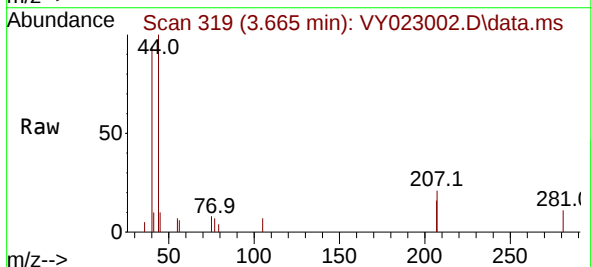
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-32-071725

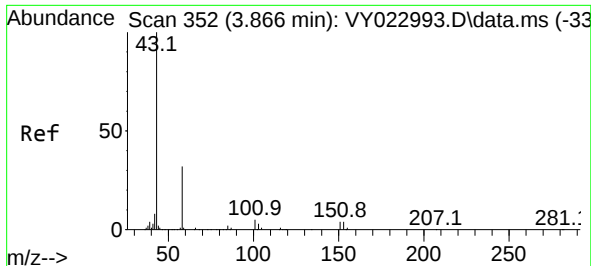
Tgt Ion:168 Resp: 293331
Ion Ratio Lower Upper
168 100
99 54.8 44.4 66.6



#13
Acrolein
Concen: 1.067 ug/l
RT: 3.665 min Scan# 319
Delta R.T. 0.012 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 135.6 57.8 86.6#

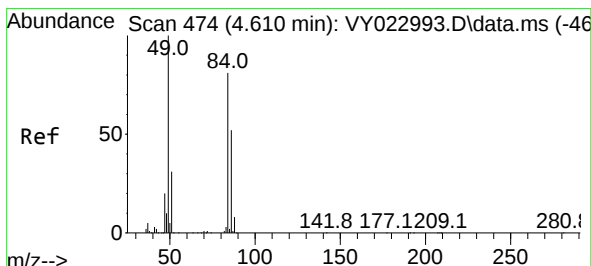
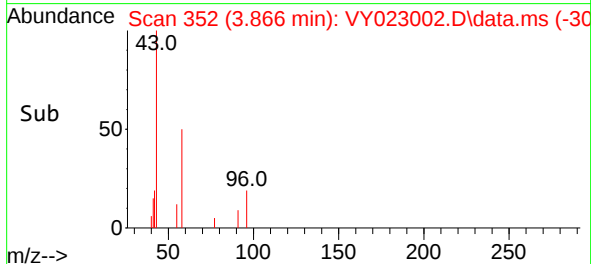
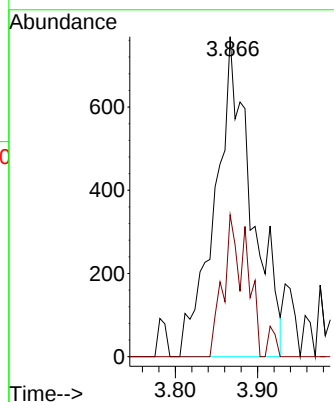
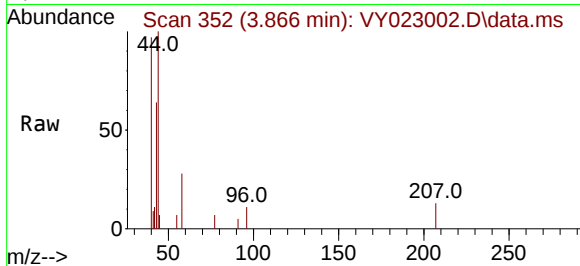




#16
Acetone
Concen: 4.425 ug/l
RT: 3.866 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

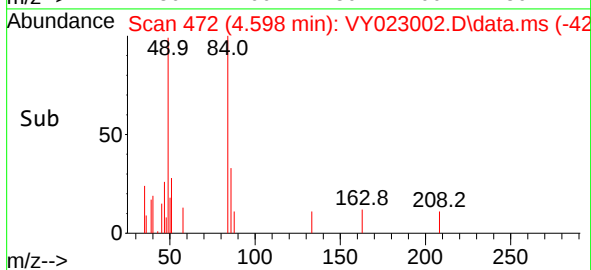
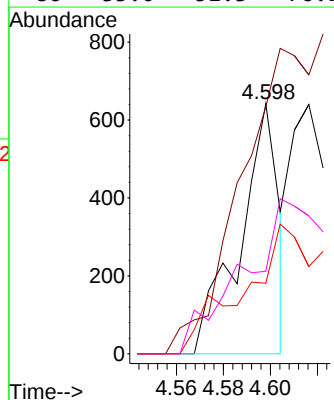
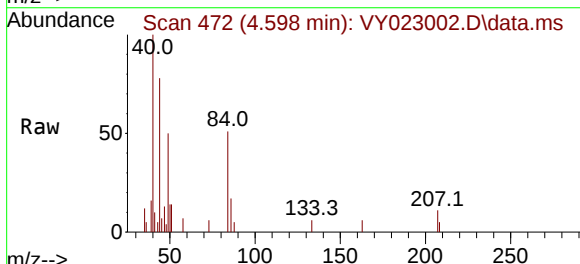
Instrument :
MSVOA_Y
ClientSampleId :
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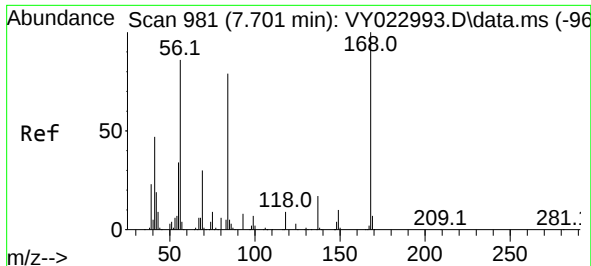
Tgt Ion: 43 Resp: 2382
Ion Ratio Lower Upper
43 100
58 44.3 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.598 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 84 Resp: 741
Ion Ratio Lower Upper
84 100
49 88.5 98.2 147.4#
51 28.2 30.5 45.7#
86 33.0 51.3 76.9#

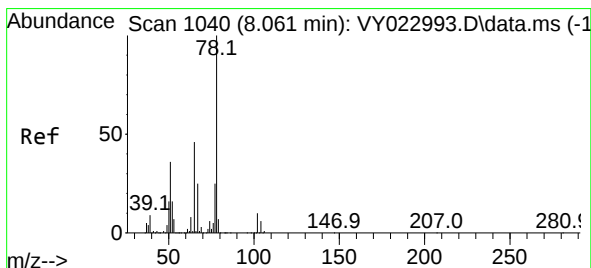
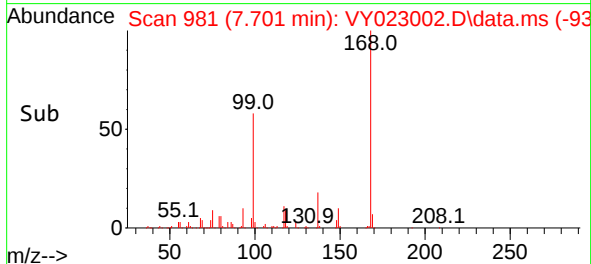
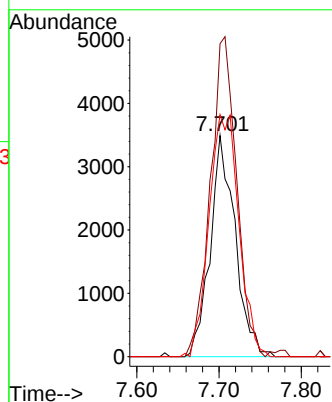
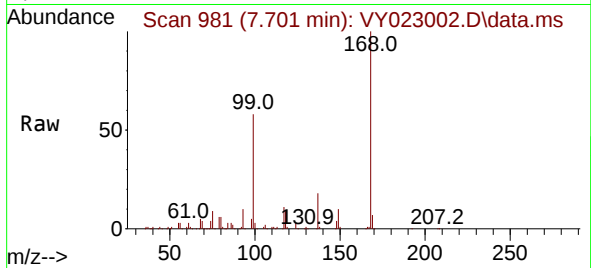




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

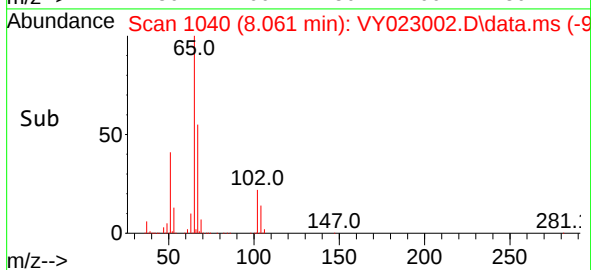
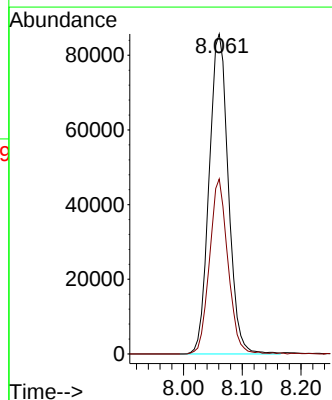
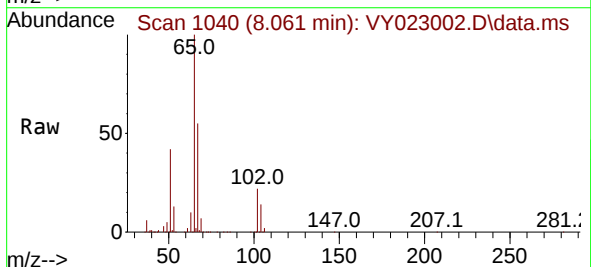
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-32-071725

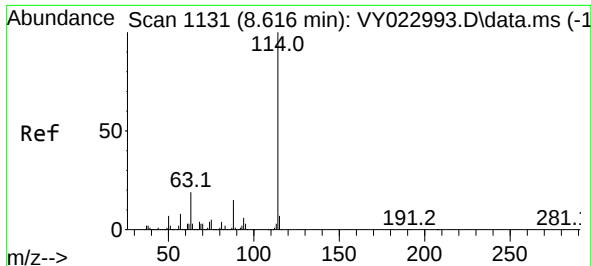
Tgt Ion: 56 Resp: 7373
Ion Ratio Lower Upper
56 100
69 141.5 28.1 42.1#
84 109.5 73.5 110.3



#33
1,2-Dichloroethane-d4
Concen: 65.511 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 65 Resp: 194533
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY023002.D

Acq: 18 Jul 2025 17:01

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-32-071725

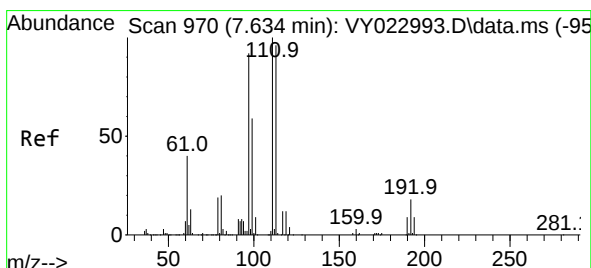
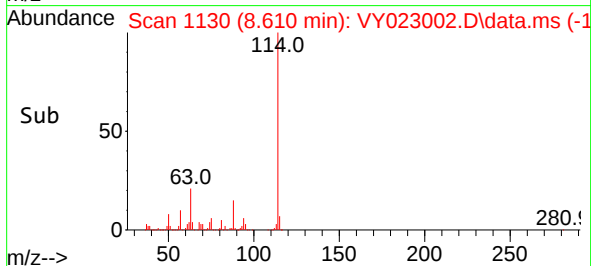
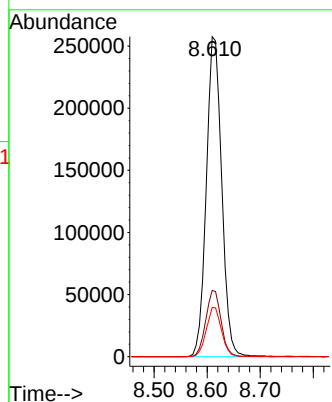
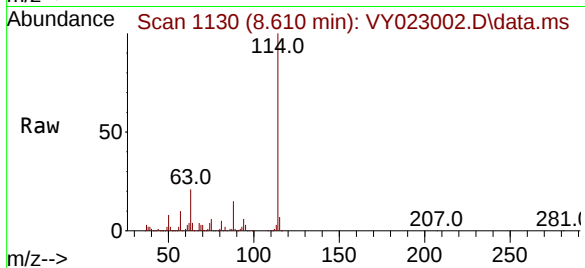
Tgt Ion:114 Resp: 518735

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

88 15.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.262 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY023002.D

Acq: 18 Jul 2025 17:01

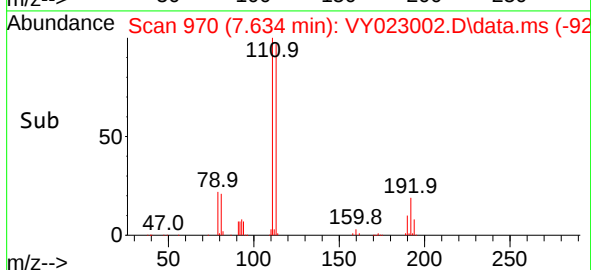
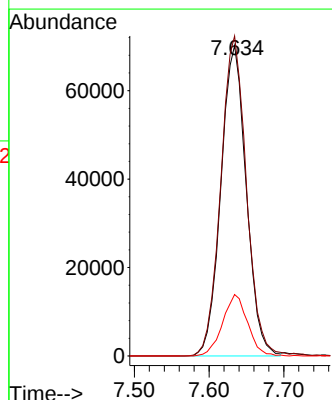
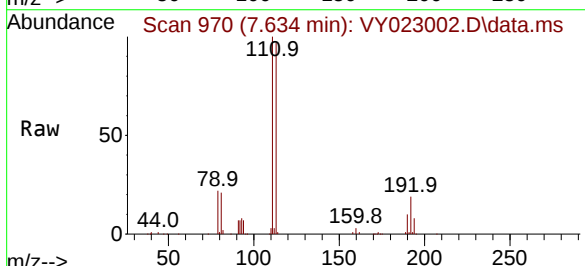
Tgt Ion:113 Resp: 165389

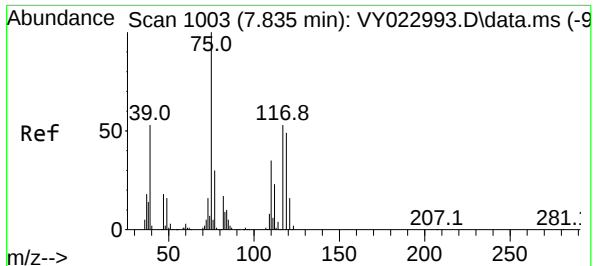
Ion Ratio Lower Upper

113 100

111 104.6 83.2 124.8

192 19.6 15.3 22.9

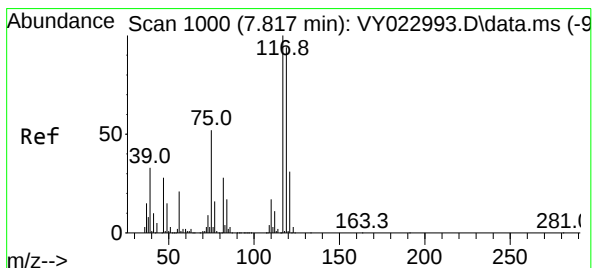
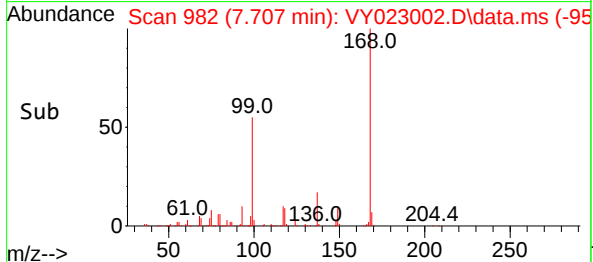
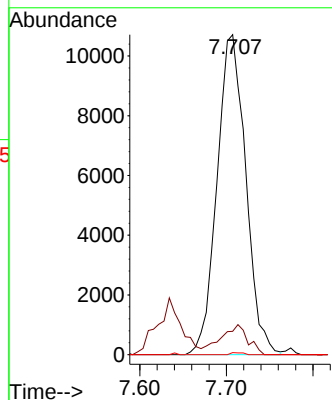
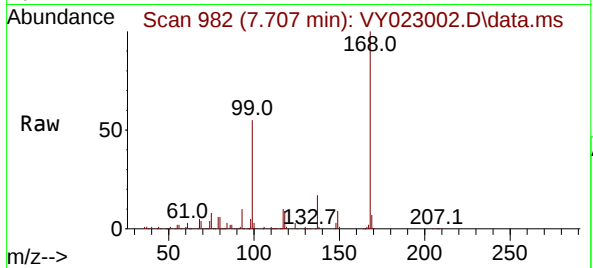




#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

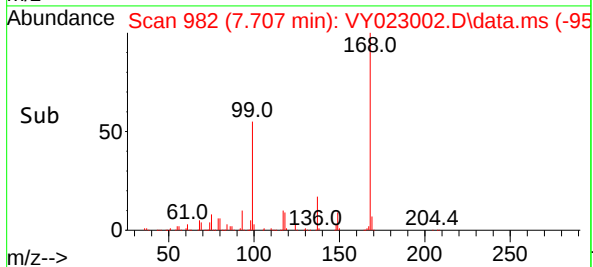
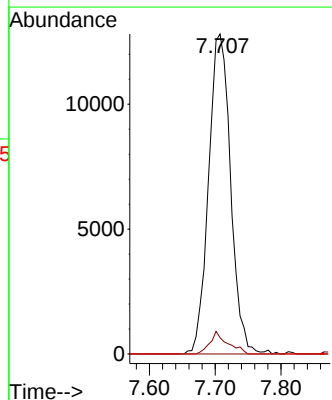
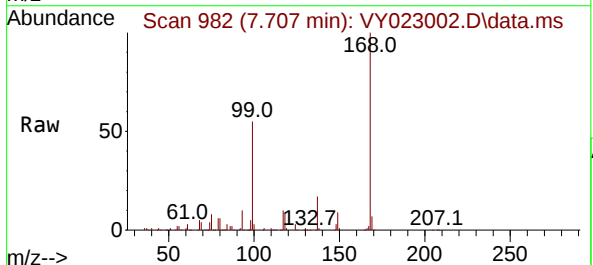
Instrument :
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ClientSampleId :
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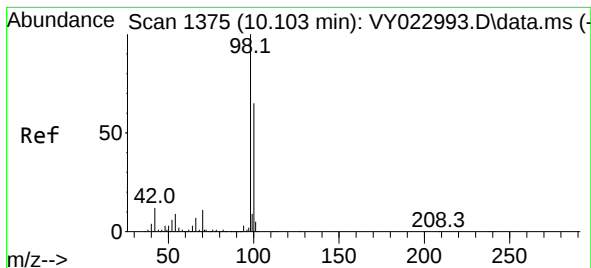
Tgt Ion: 75 Resp: 24696
Ion Ratio Lower Upper
75 100
110 8.9 17.3 51.9#
77 0.3 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 117 Resp: 29929
Ion Ratio Lower Upper
117 100
119 5.1 74.9 112.3#
121 0.0 24.6 37.0#

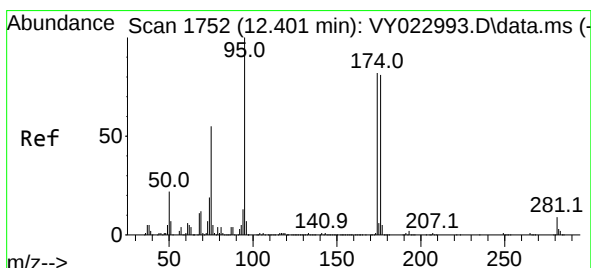
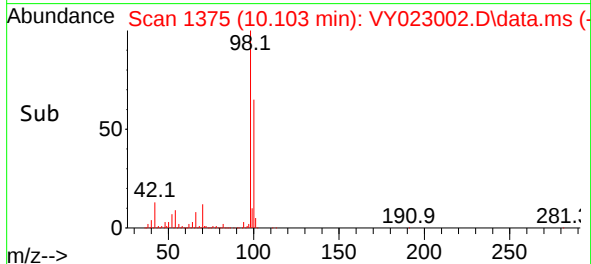
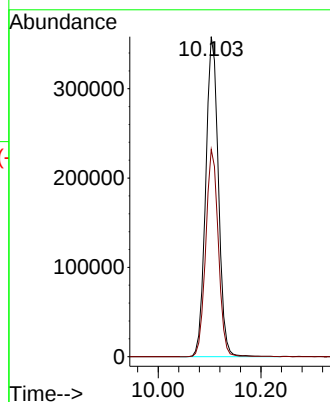
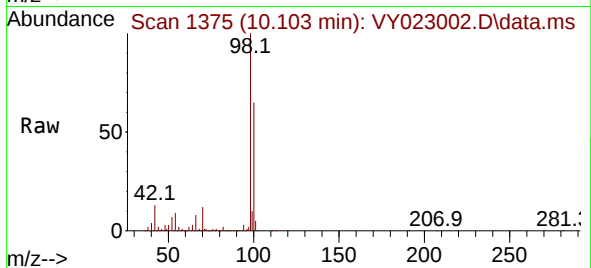




#50
Toluene-d8
Concen: 46.908 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

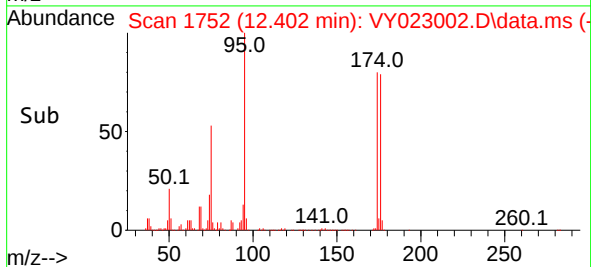
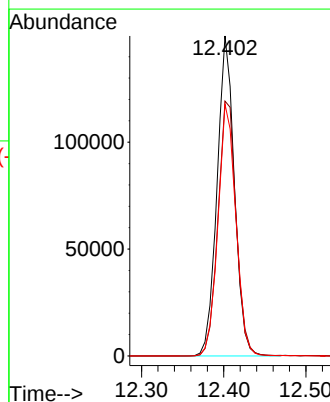
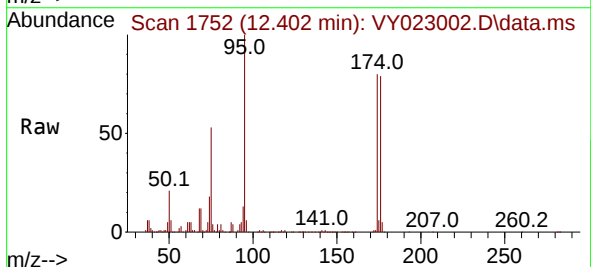
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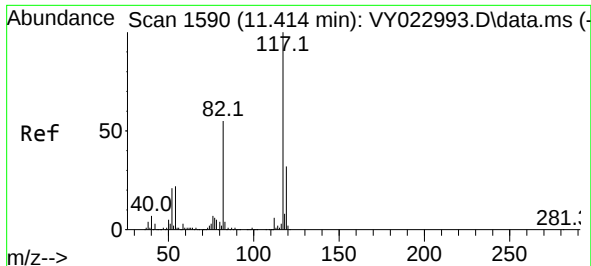
Tgt Ion: 98 Resp: 612100
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.562 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 95 Resp: 220011
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 80.8 0.0 163.6

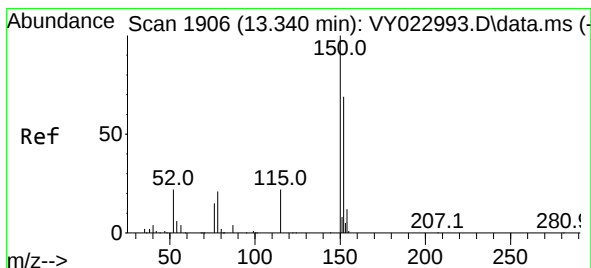
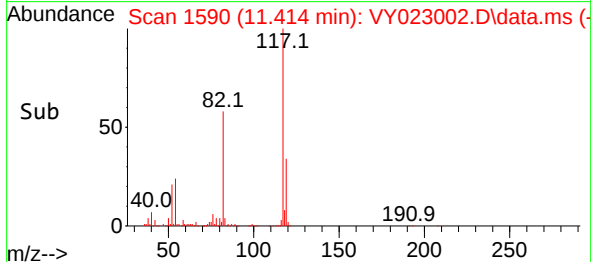
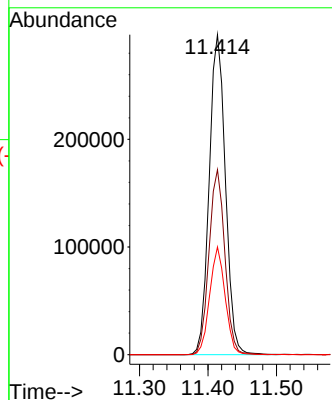
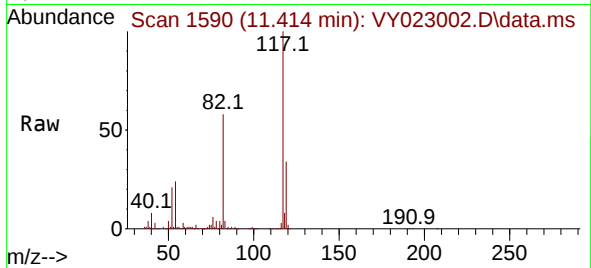




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

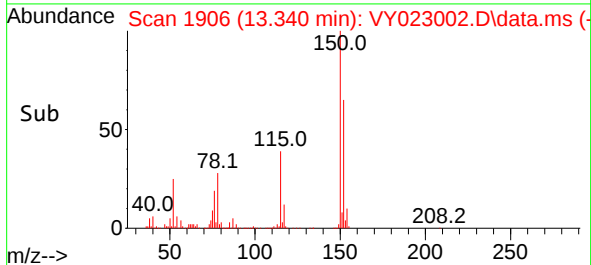
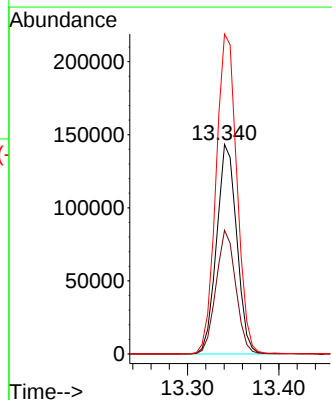
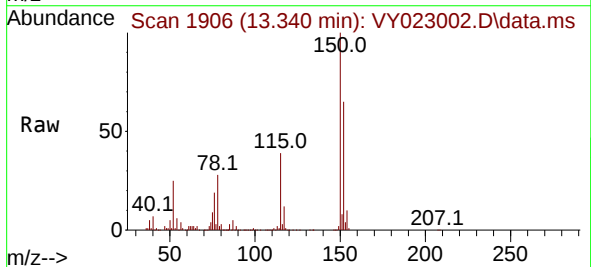
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-32-071725

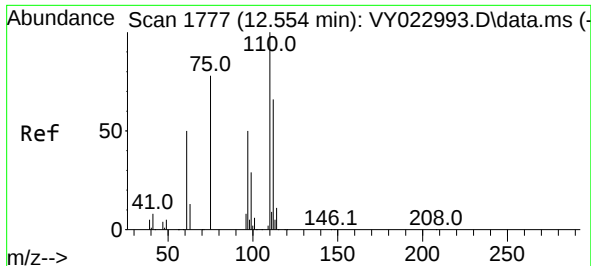
Tgt Ion:117 Resp: 489053
Ion Ratio Lower Upper
117 100
82 57.8 44.3 66.5
119 33.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion:152 Resp: 219615
Ion Ratio Lower Upper
152 100
115 58.1 29.4 88.2
150 158.4 0.0 350.0

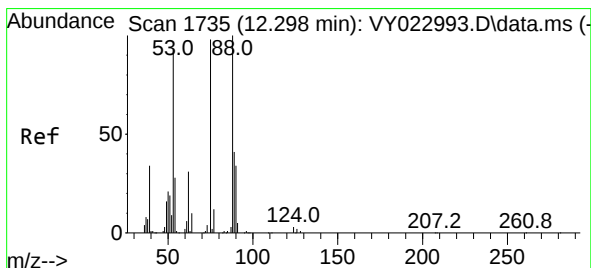
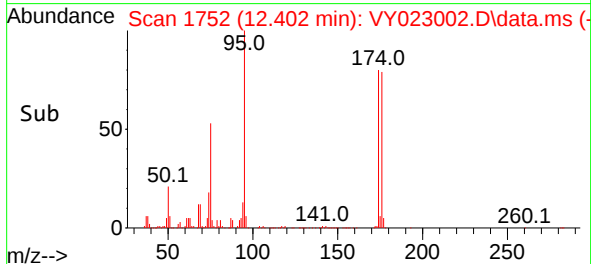
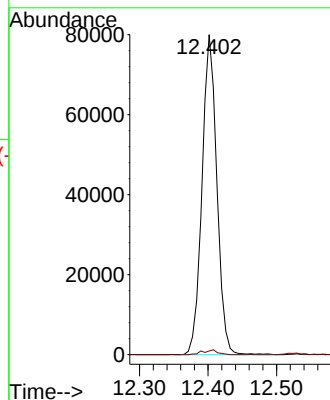
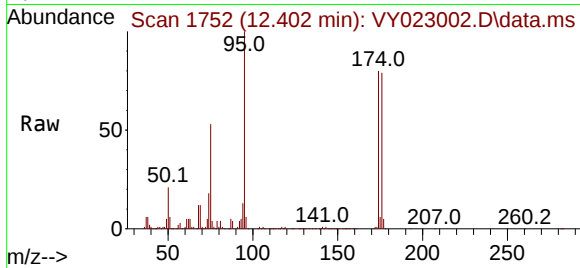




#76
1,2,3-Trichloropropane
Concen: 44.082 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-32-071725

Tgt Ion: 75 Resp: 120633
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.296 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023002.D
Acq: 18 Jul 2025 17:01

Tgt Ion: 75 Resp: 120633
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.0 36.1 54.1#

