

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023023.D
 Acq On : 21 Jul 2025 13:49
 Operator : SY/MD
 Sample : Q2639-13
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-44-071725

Quant Time: Jul 22 04:51:15 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)

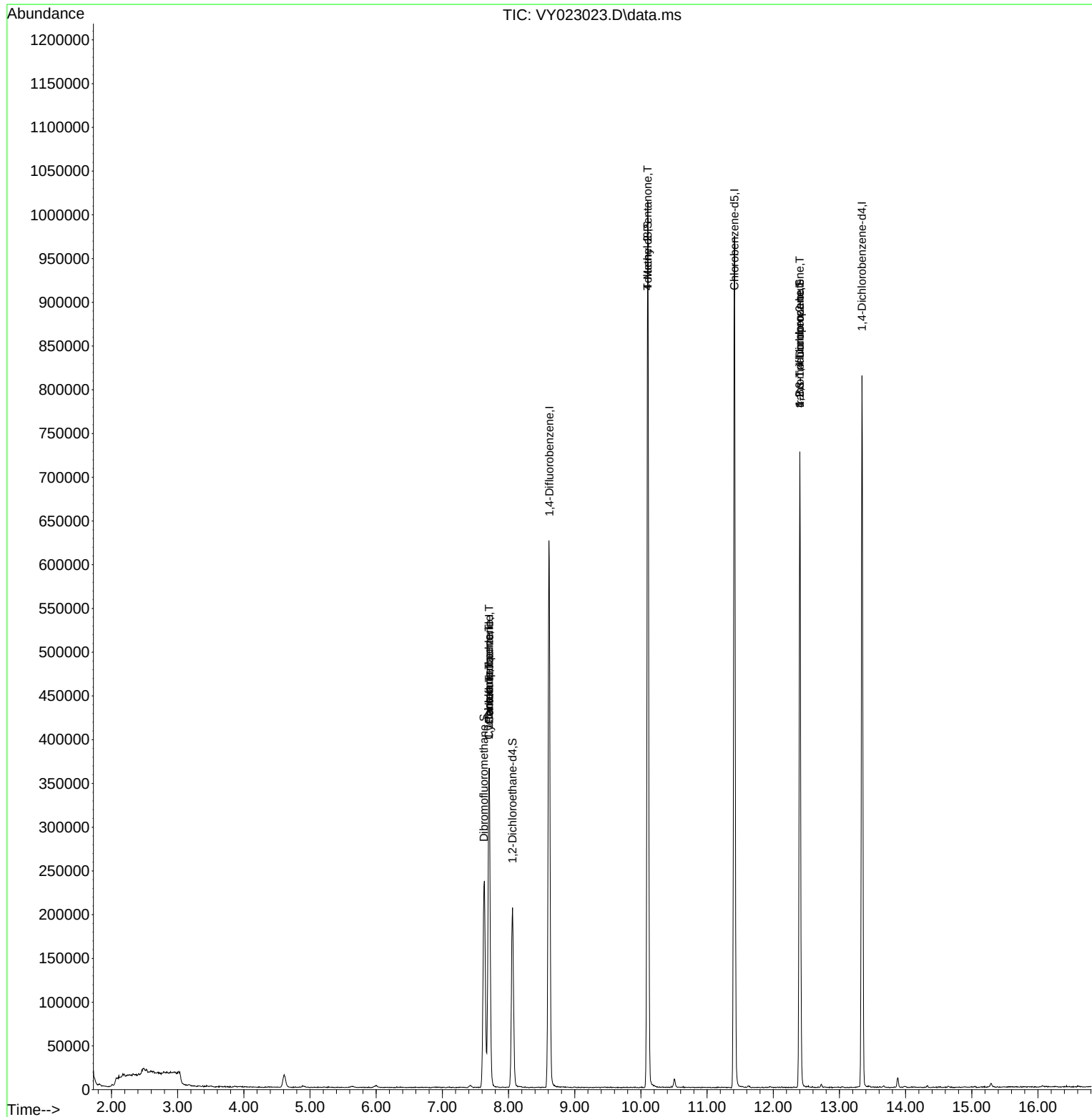
Internal Standards						
1) Pentafluorobenzene	7.707	168	278906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	524366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	503133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	198101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161924	57.350	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.700%
35) Dibromofluoromethane	7.628	113	169317	50.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.800%
50) Toluene-d8	10.103	98	638809	48.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.402	95	204694	49.298	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.600%
Target Compounds						
20) Methylene Chloride	4.610	84	10061	Below Cal	Qvalue	90
31) Cyclohexane	7.701	56	6635	1.180 ug/l	#	3
36) 1,1-Dichloropropene	7.701	75	23365	4.459 ug/l	#	50
38) Carbon Tetrachloride	7.707	117	27725	4.871 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.103	43	3155	1.608 ug/l	#	1
76) 1,2,3-Trichloropropane	12.402	75	115544	46.808 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.402	75	115544	139.414 ug/l	#	12

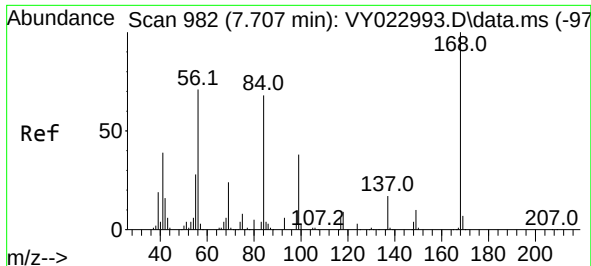
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
Data File : VY023023.D
Acq On : 21 Jul 2025 13:49
Operator : SY/MD
Sample : Q2639-13
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

Quant Time: Jul 22 04:51:15 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

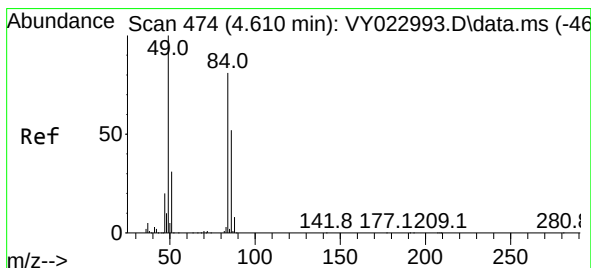
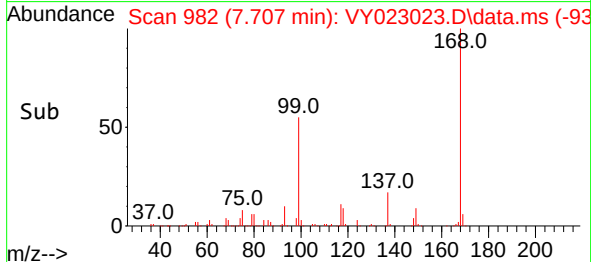
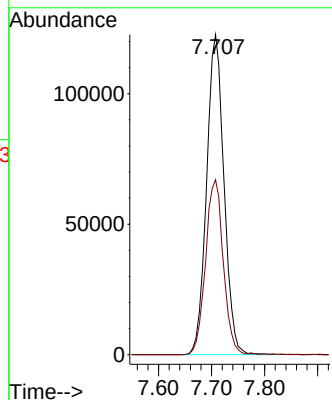
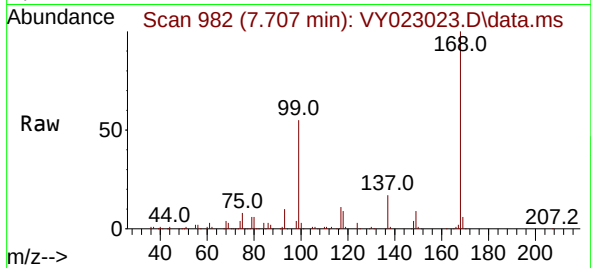




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

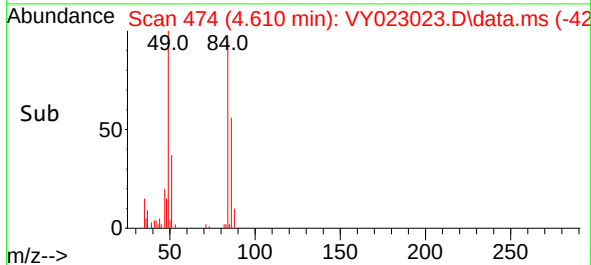
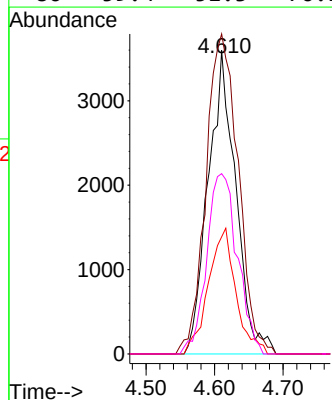
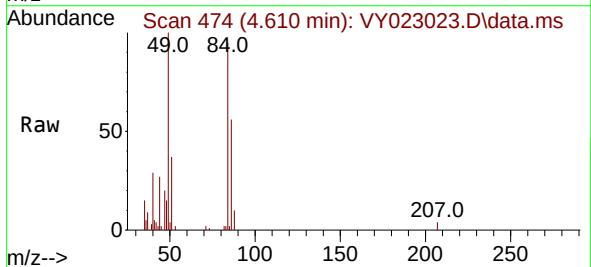
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

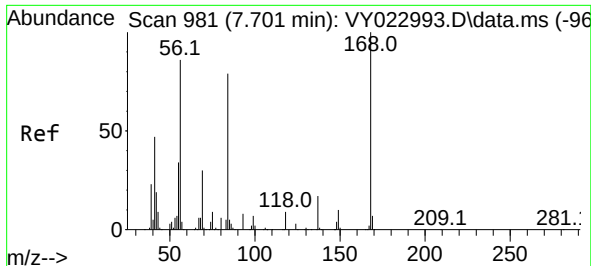
Tgt Ion:168 Resp: 278906
Ion Ratio Lower Upper
168 100
99 54.6 44.4 66.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 84 Resp: 10061
Ion Ratio Lower Upper
84 100
49 105.4 98.2 147.4
51 38.6 30.5 45.7
86 59.4 51.3 76.9

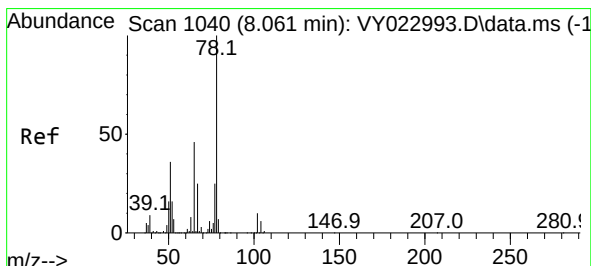
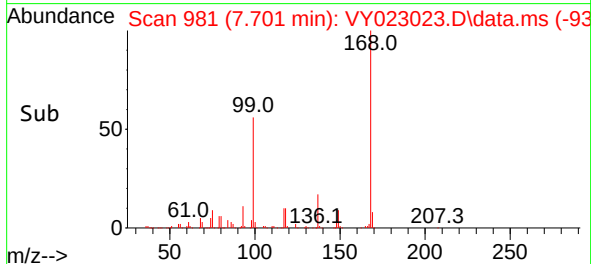
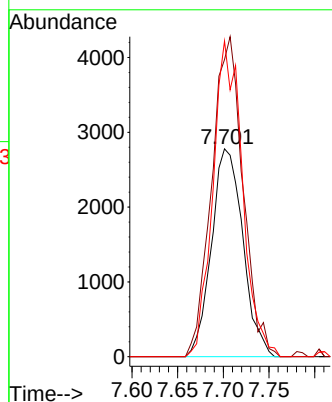
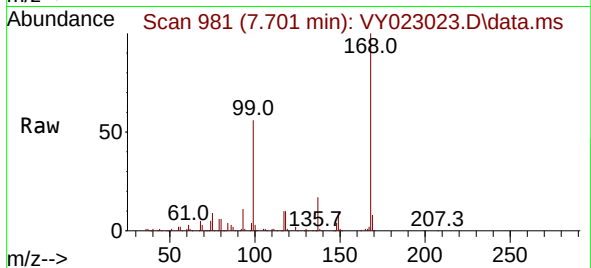




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

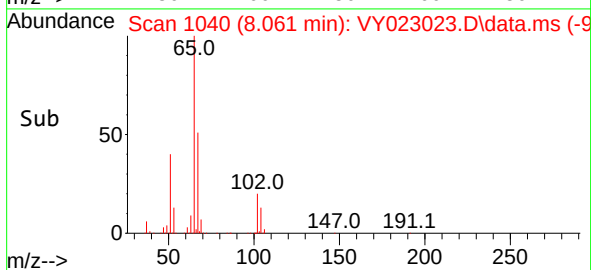
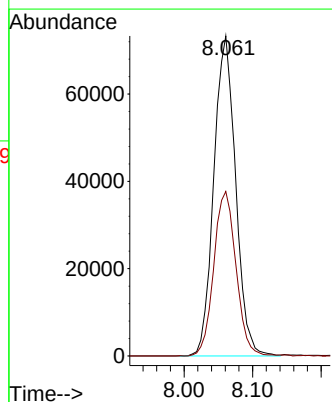
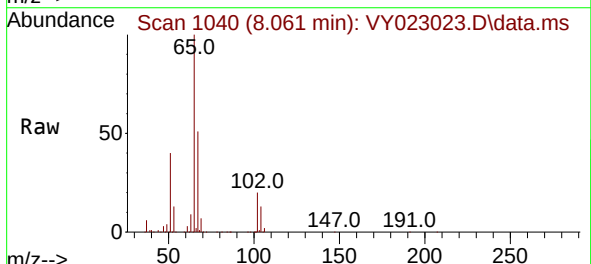
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

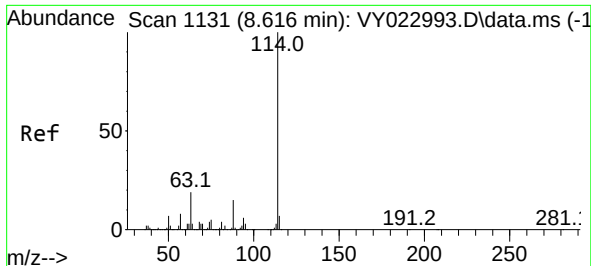
Tgt Ion: 56 Resp: 6635
Ion Ratio Lower Upper
56 100
69 142.9 28.1 42.1#
84 151.9 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 57.350 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 65 Resp: 161924
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: VY023023.D

Acq: 21 Jul 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-44-071725

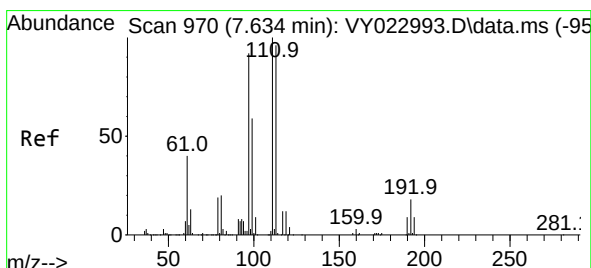
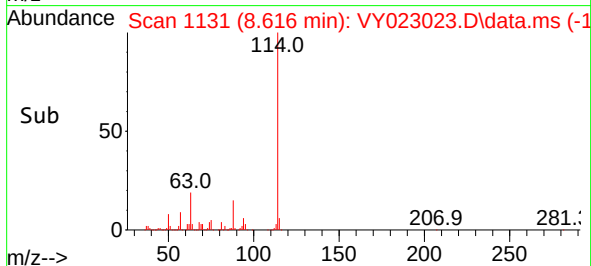
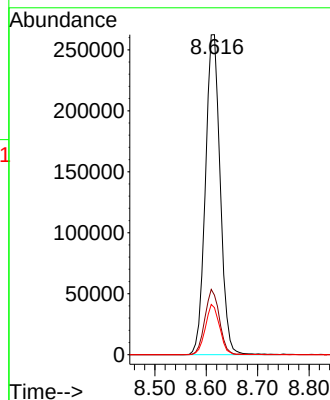
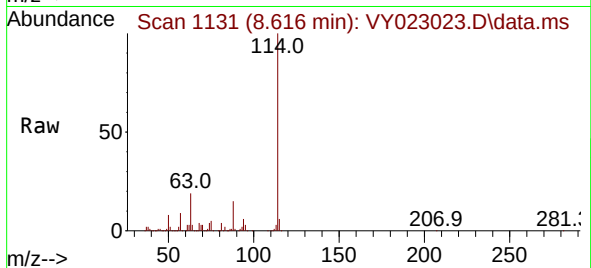
Tgt Ion:114 Resp: 524366

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.8

88 14.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.903 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY023023.D

Acq: 21 Jul 2025 13:49

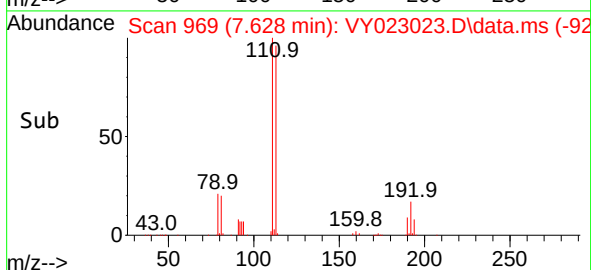
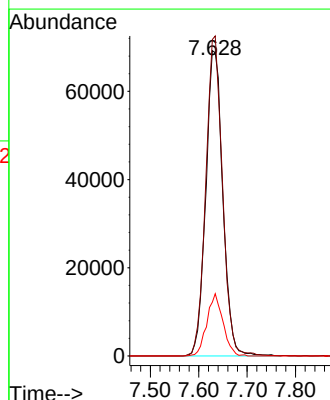
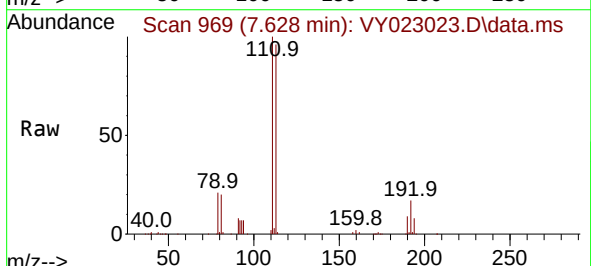
Tgt Ion:113 Resp: 169317

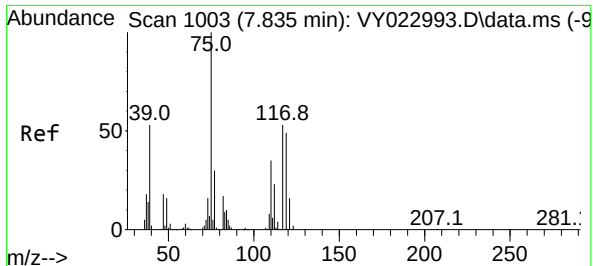
Ion Ratio Lower Upper

113 100

111 102.7 83.2 124.8

192 19.3 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY023023.D

Acq: 21 Jul 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-44-071725

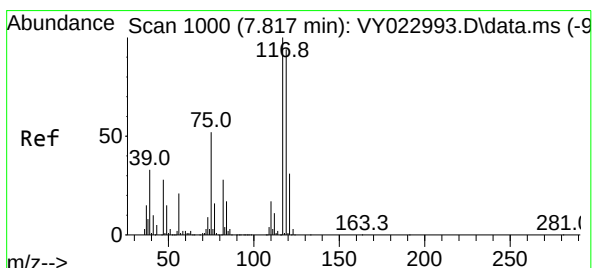
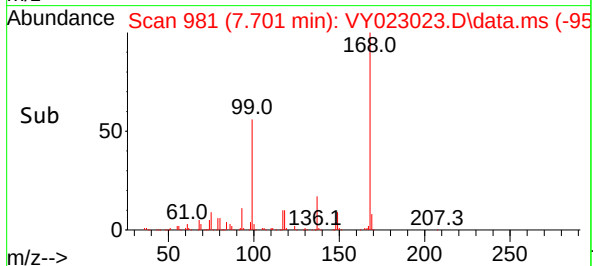
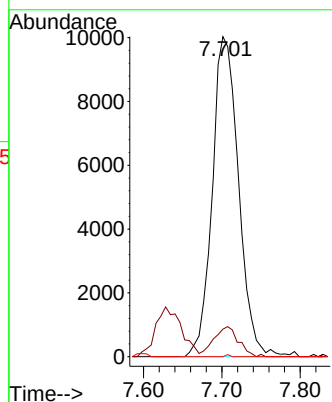
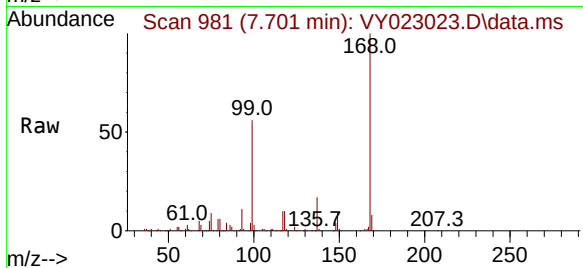
Tgt Ion: 75 Resp: 23365

Ion Ratio Lower Upper

75 100

110 8.9 17.3 51.9#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.871 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023023.D

Acq: 21 Jul 2025 13:49

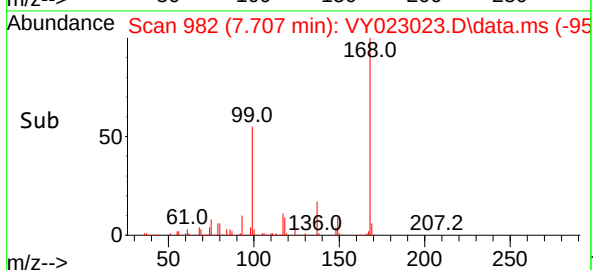
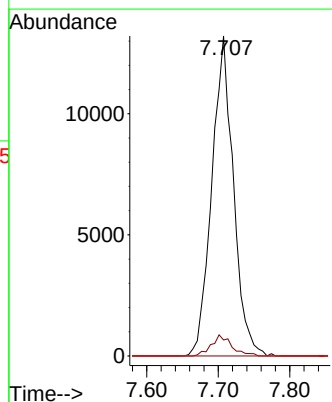
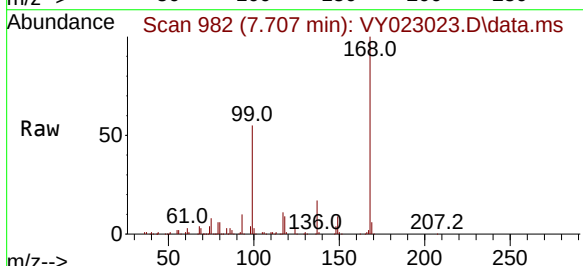
Tgt Ion: 117 Resp: 27725

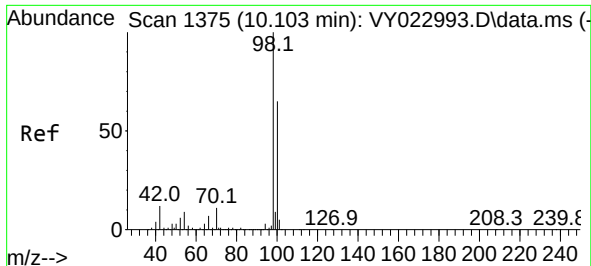
Ion Ratio Lower Upper

117 100

119 5.0 74.9 112.3#

121 0.0 24.6 37.0#

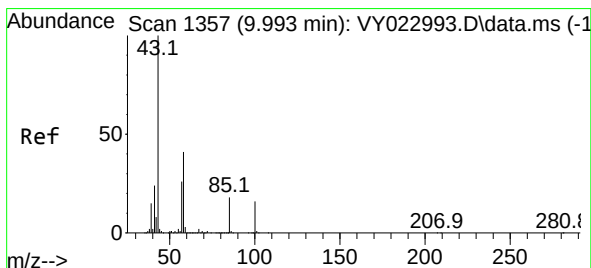
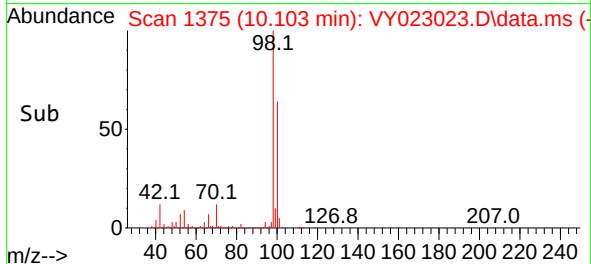
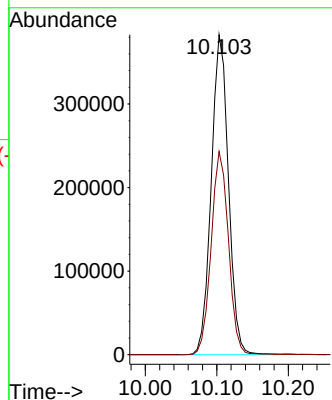
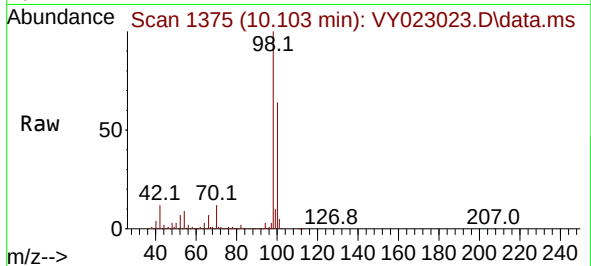




#50
Toluene-d8
Concen: 48.429 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

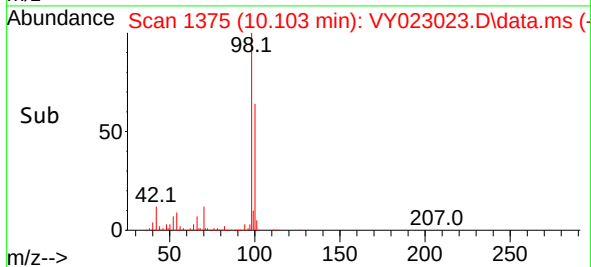
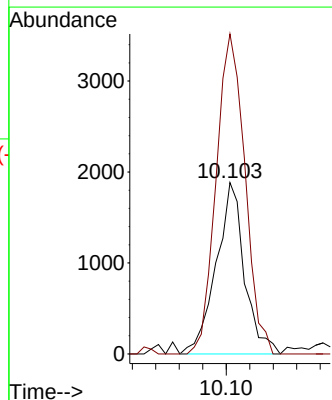
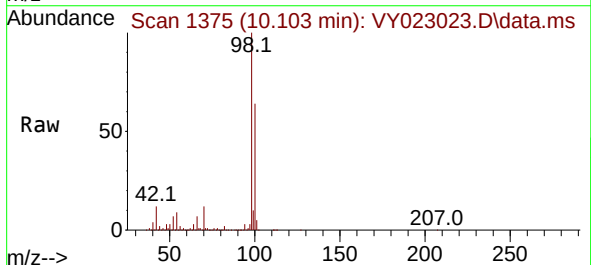
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

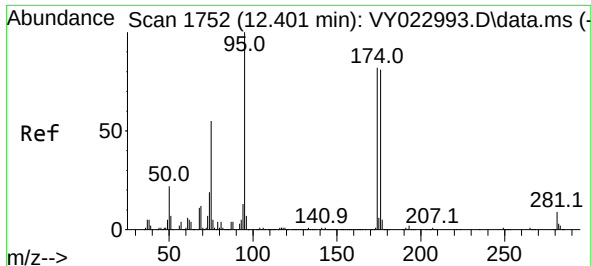
Tgt Ion: 98 Resp: 638809
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.608 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 43 Resp: 3155
Ion Ratio Lower Upper
43 100
58 189.8 32.5 48.7#

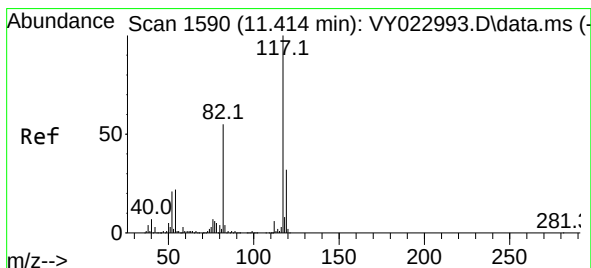
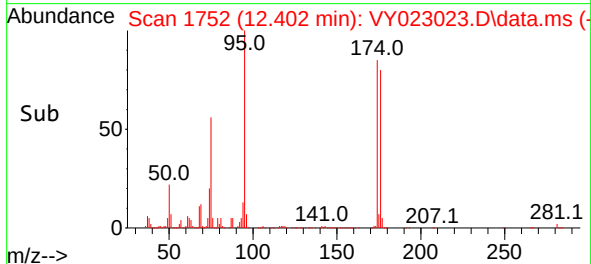
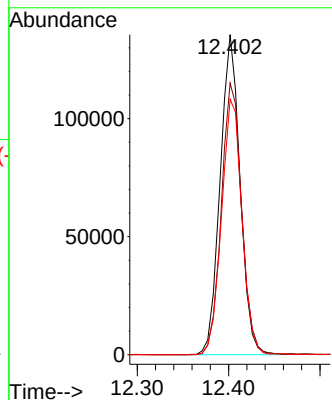
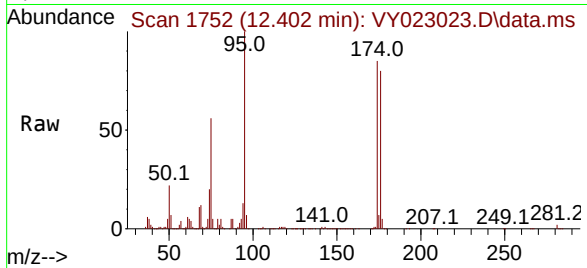




#62
4-Bromofluorobenzene
Concen: 49.298 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

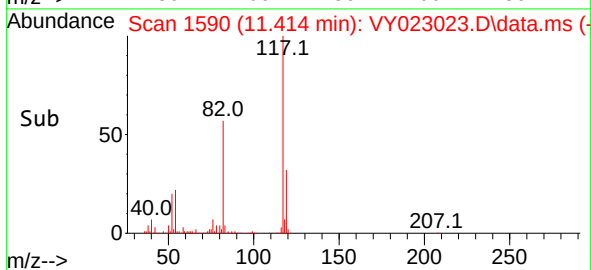
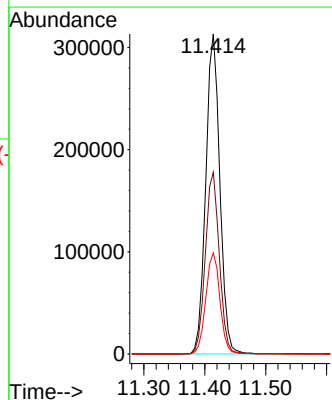
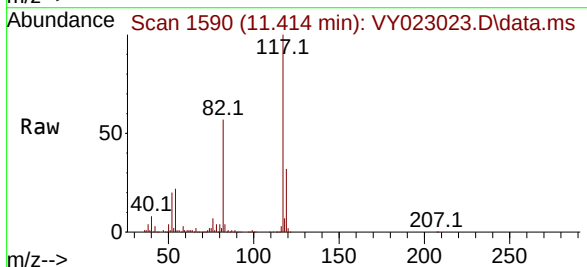
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-44-071725

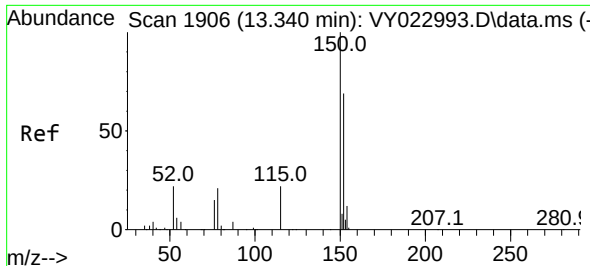
Tgt Ion: 95 Resp: 204694
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.8
176 82.3 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023023.D
Acq: 21 Jul 2025 13:49

Tgt Ion: 117 Resp: 503133
Ion Ratio Lower Upper
117 100
82 56.8 44.3 66.5
119 31.6 25.8 38.8

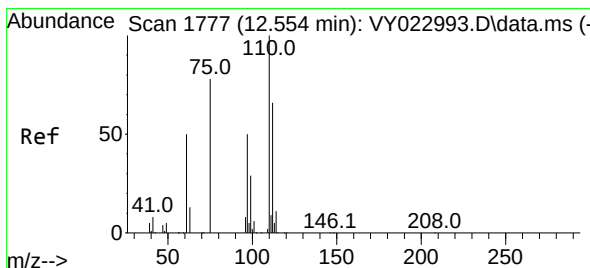
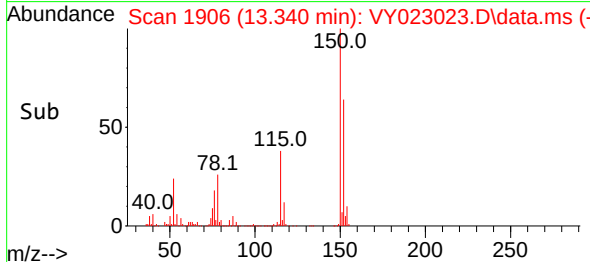
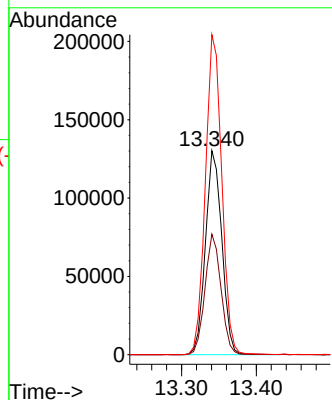
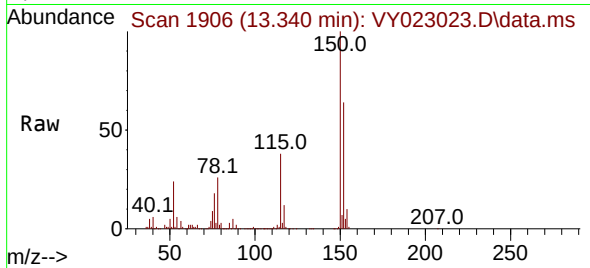




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023023.D
 Acq: 21 Jul 2025 13:49

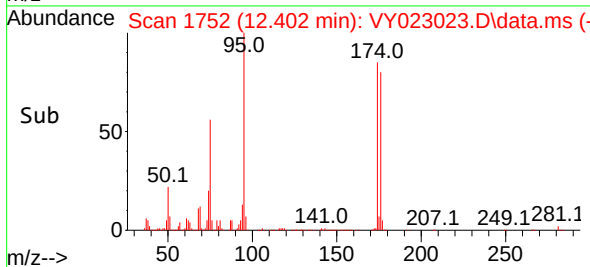
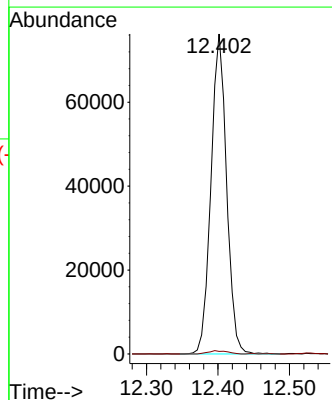
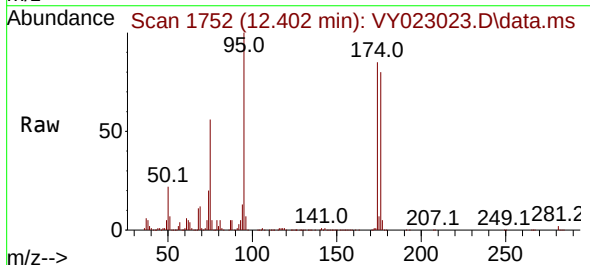
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-44-071725

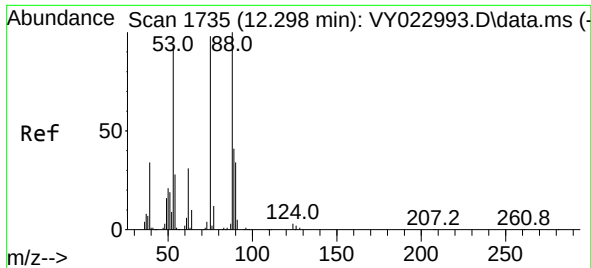
Tgt Ion:152 Resp: 198101
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.4 88.2
 150 156.8 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 46.808 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023023.D
 Acq: 21 Jul 2025 13:49

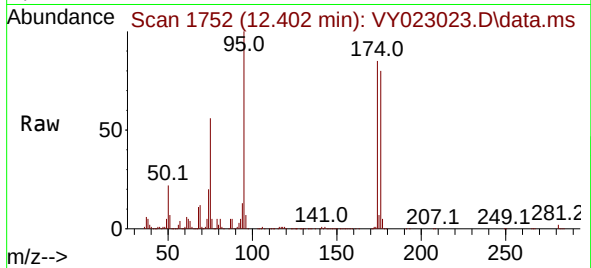
Tgt Ion: 75 Resp: 115544
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.414 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023023.D
 Acq: 21 Jul 2025 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-44-071725



Tgt Ion: 75 Resp: 115544
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.1 36.1 54.1#

