

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023171.D
 Acq On : 20 Aug 2025 13:24
 Operator : SY/MD
 Sample : Q2879-15
 Misc : 3.68g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 15:24:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

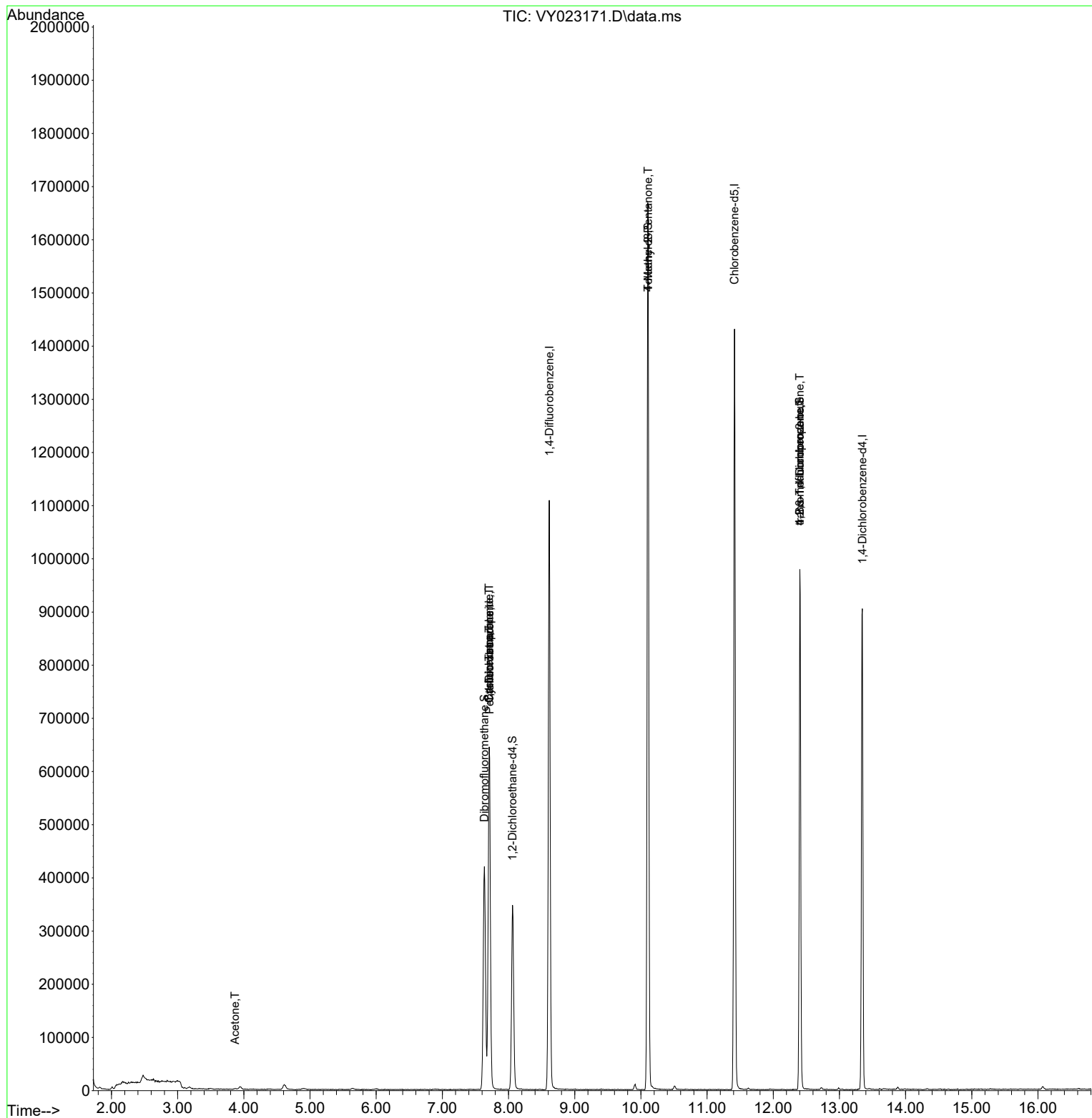
Internal Standards						
1) Pentafluorobenzene	7.713	168	506602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	937467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	768975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	235287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	270260	55.975	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.940%
35) Dibromofluoromethane	7.634	113	300834	53.629	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.109	98	1118829	51.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.120%
62) 4-Bromofluorobenzene	12.401	95	295678	41.955	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.920%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2652	2.535	ug/l #	81
20) Methylene Chloride	4.610	84	7001	Below Cal	#	78
31) Cyclohexane	7.707	56	10384	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	38740	4.647	ug/l #	50
38) Carbon Tetrachloride	7.707	117	49341	5.449	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	4700	1.287	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	153054	67.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	153054	163.158	ug/l #	14

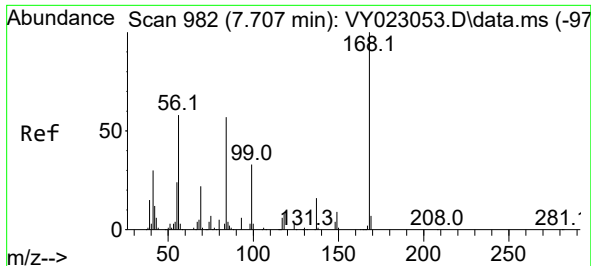
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

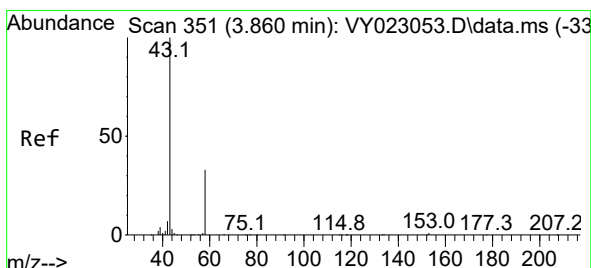
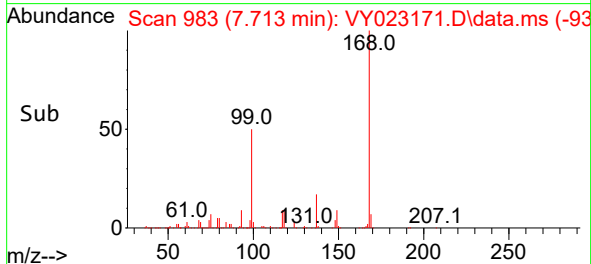
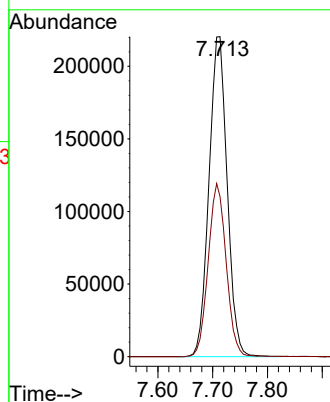
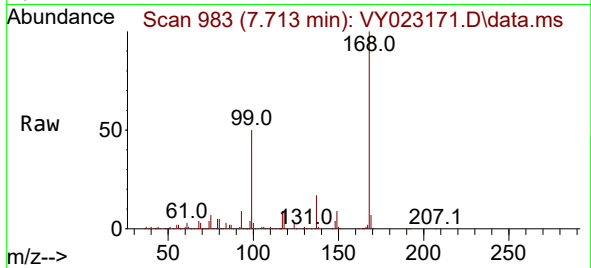




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

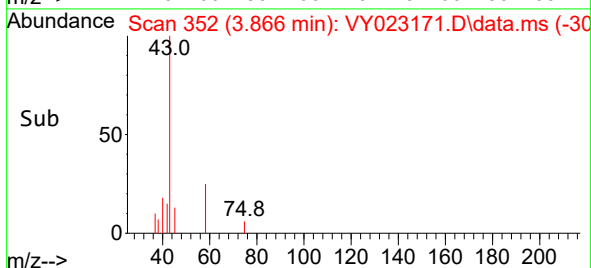
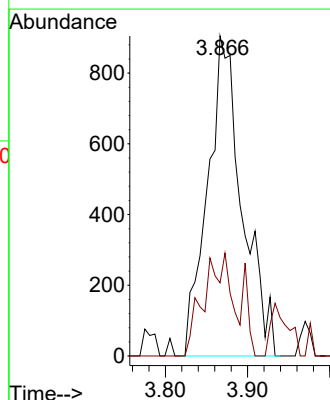
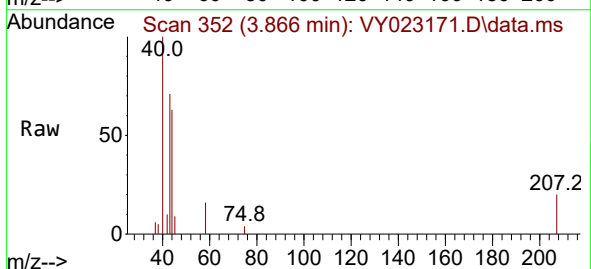
Instrument :
MSVOA_Y
ClientSampleId :

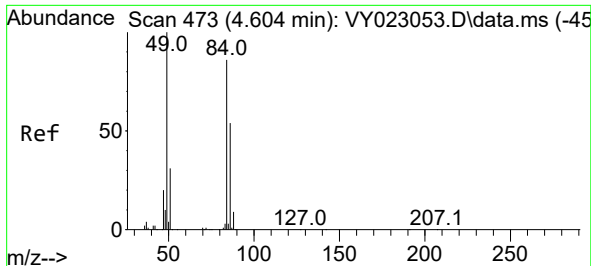
Tgt Ion:168 Resp: 506602
Ion Ratio Lower Upper
168 100
99 50.0 42.8 64.2



#16
Acetone
Concen: 2.535 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
58 22.9 27.1 40.7#

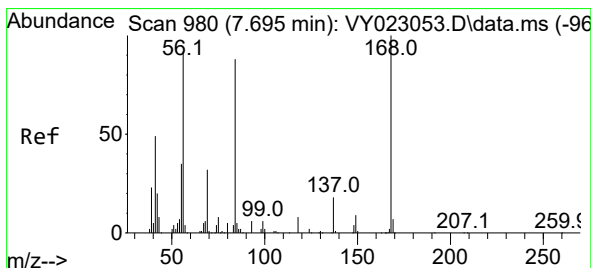
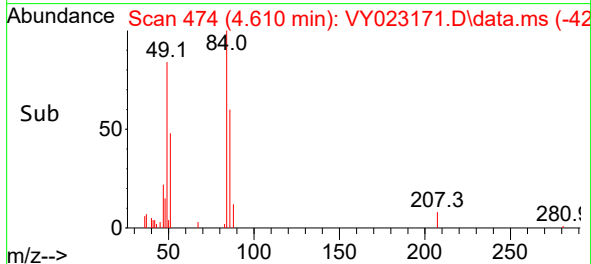
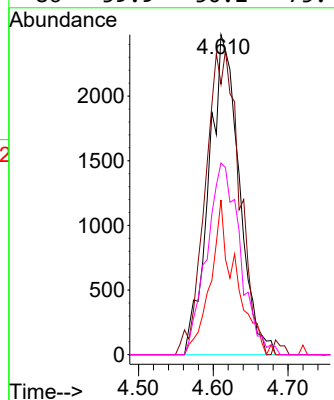
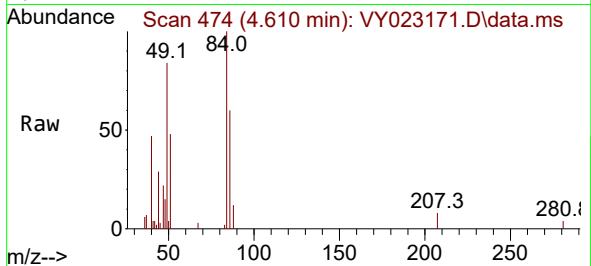




#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

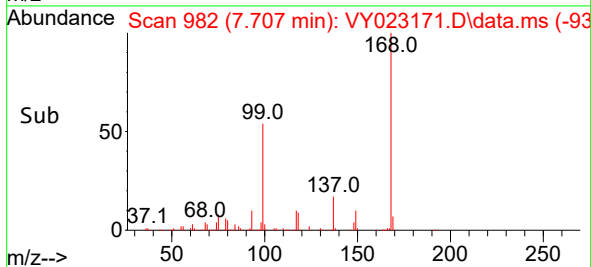
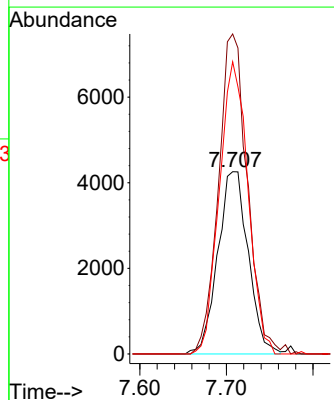
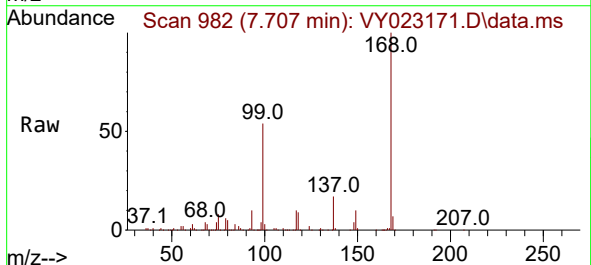
Instrument :
MSVOA_Y
ClientSampleId :

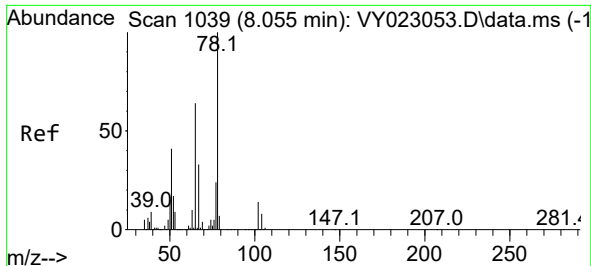
Tgt Ion:	84	Resp:	7001
Ion	Ratio	Lower	Upper
84	100		
49	81.7	93.0	139.6#
51	48.4	29.0	43.4#
86	59.9	50.2	75.4



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion:	56	Resp:	10384
Ion	Ratio	Lower	Upper
56	100		
69	175.6	28.2	42.2#
84	160.3	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.975 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

Instrument :

MSVOA_Y

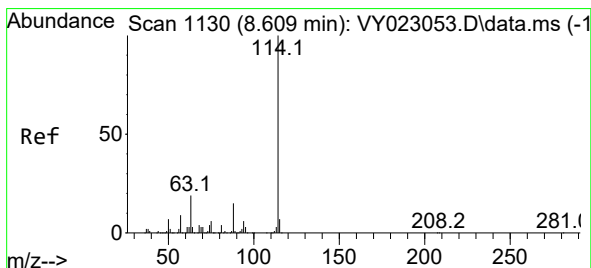
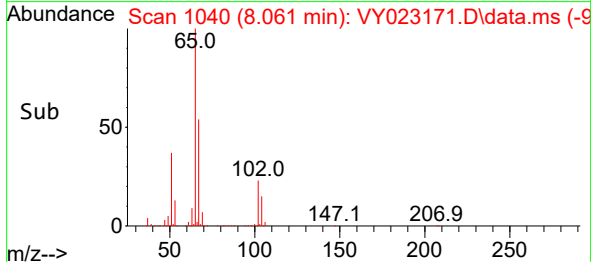
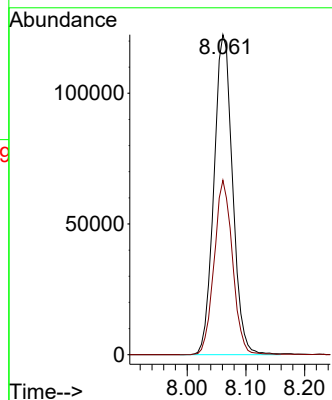
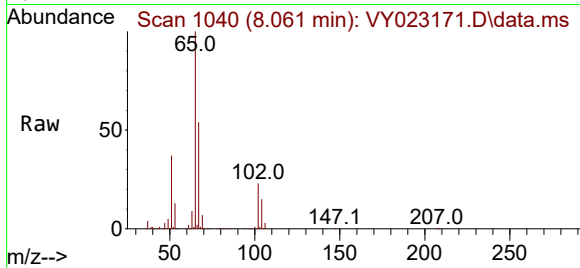
ClientSampleId :

Tgt Ion: 65 Resp: 270260

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

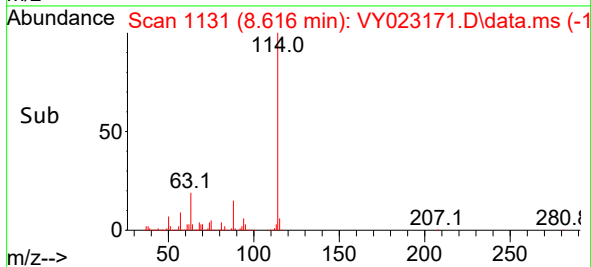
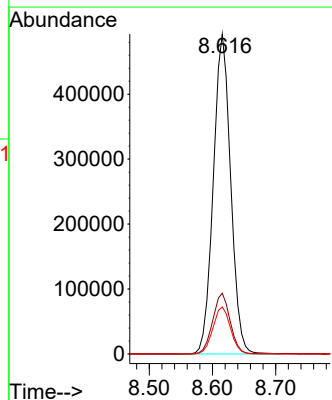
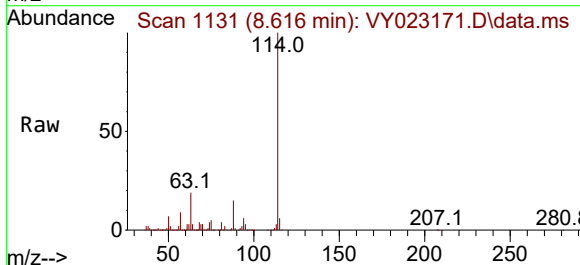
Tgt Ion:114 Resp: 937467

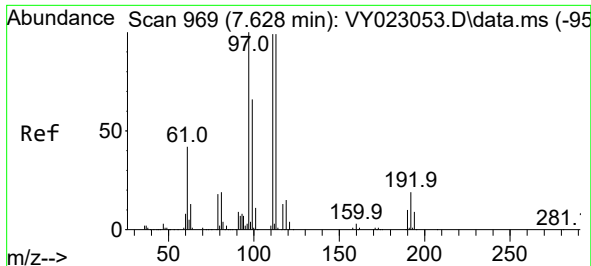
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 14.7 0.0 30.0

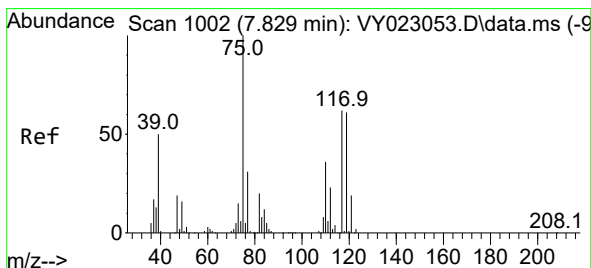
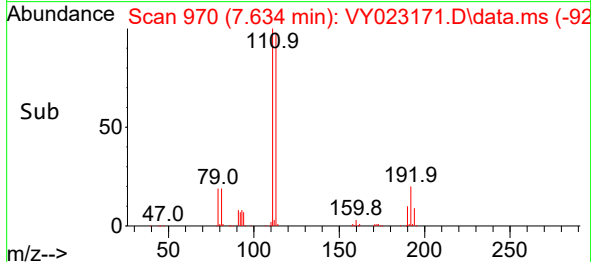
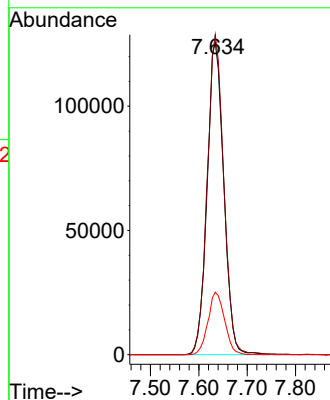
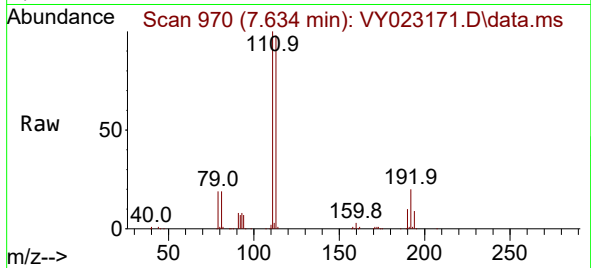




#35
Dibromofluoromethane
Concen: 53.629 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

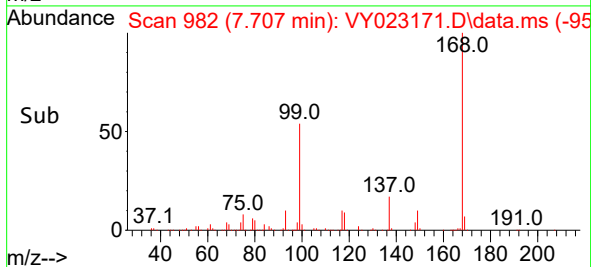
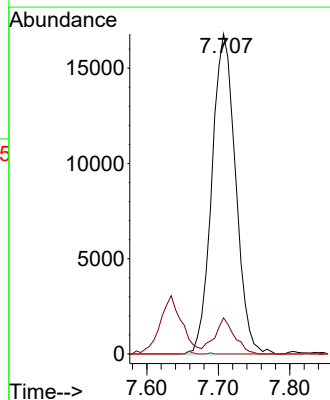
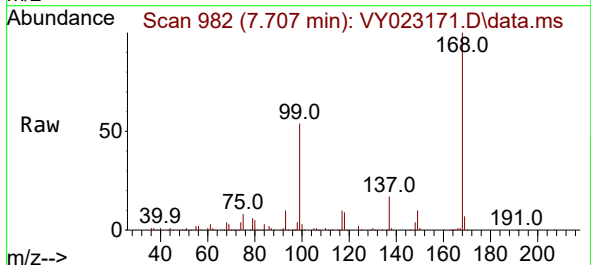
Instrument :
MSVOA_Y
ClientSampleId :

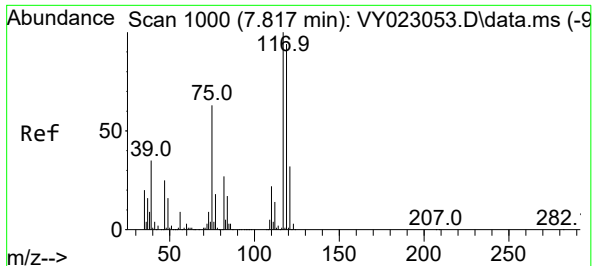
Tgt Ion:113 Resp: 300834
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.647 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

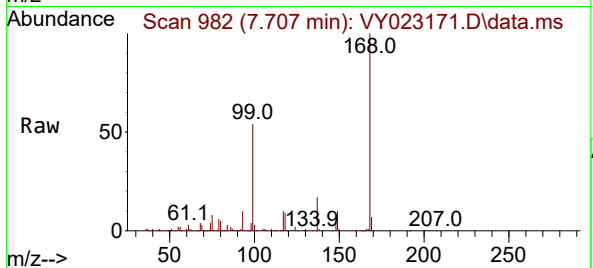
Tgt Ion: 75 Resp: 38740
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.1 24.6 37.0#



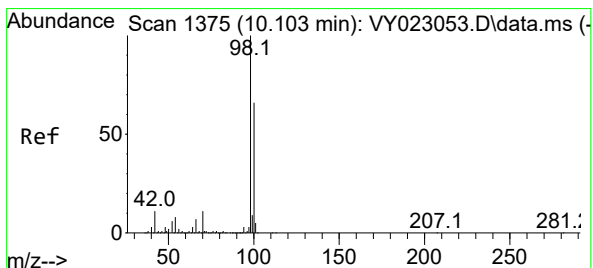
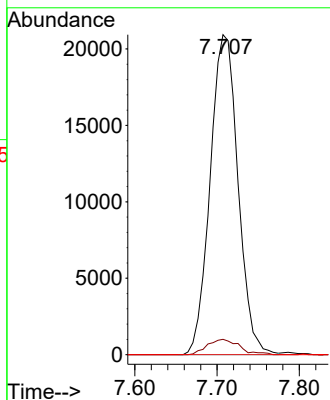
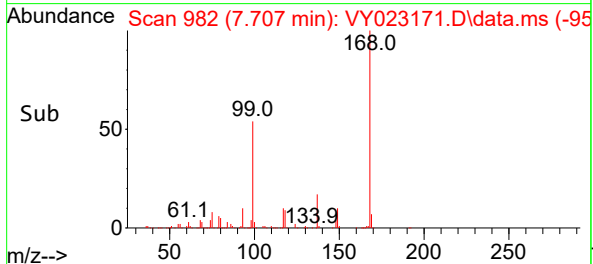


#38
Carbon Tetrachloride
Concen: 5.449 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :

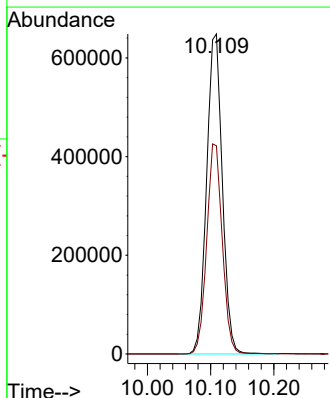
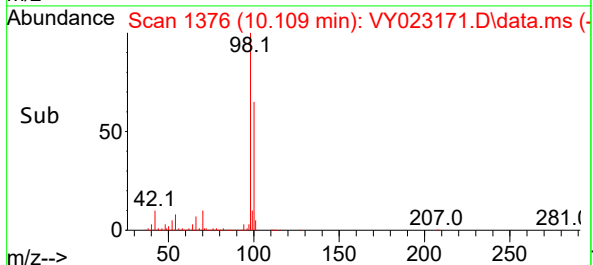
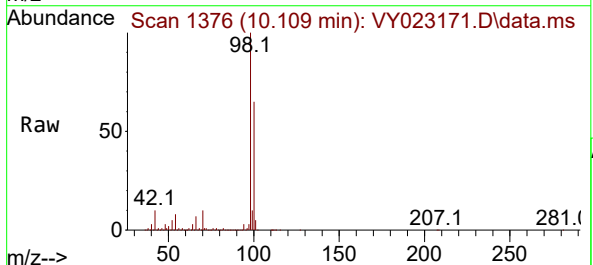


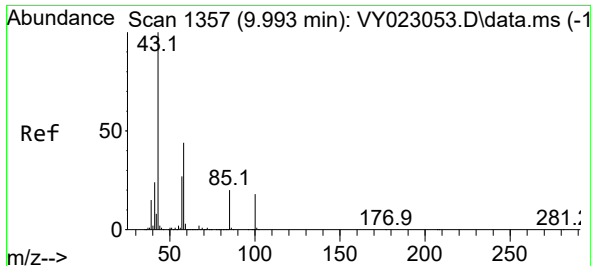
Tgt Ion:117 Resp: 49341
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.055 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion: 98 Resp: 1118829
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.287 ug/l

RT: 10.109 min Scan# 1357

Delta R.T. 0.116 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

Instrument :

MSVOA_Y

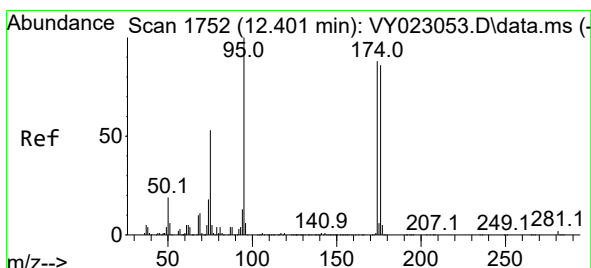
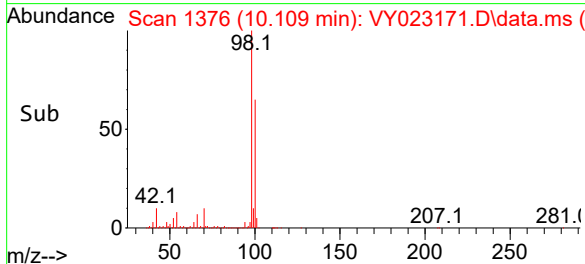
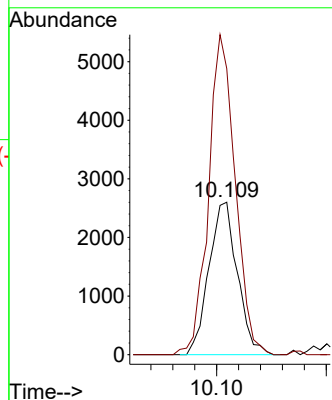
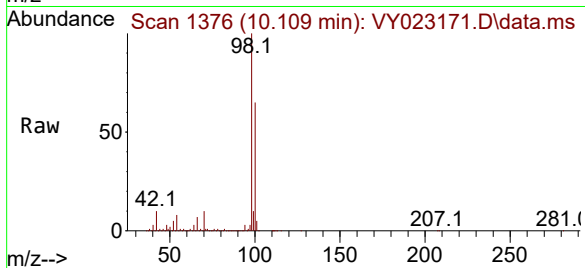
ClientSampleId :

Tgt Ion: 43 Resp: 4700

Ion Ratio Lower Upper

43 100

58 196.4 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 41.955 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

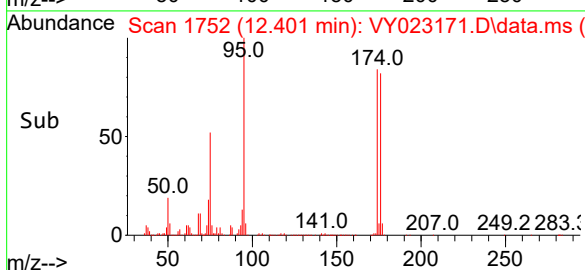
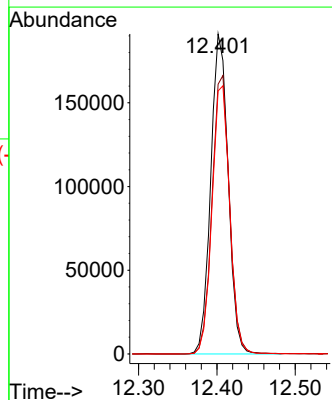
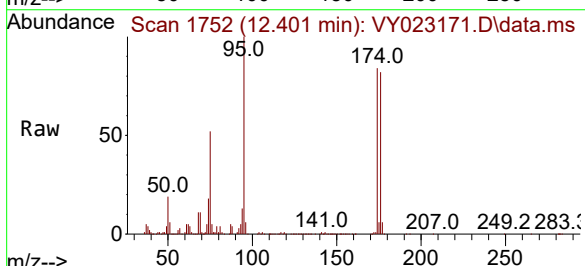
Tgt Ion: 95 Resp: 295678

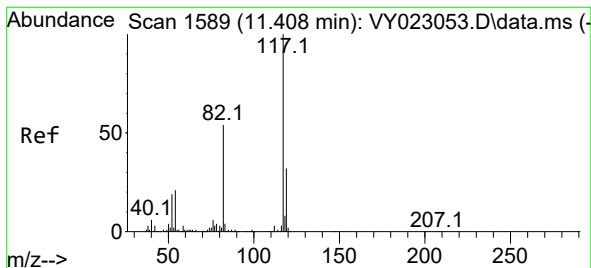
Ion Ratio Lower Upper

95 100

174 88.0 0.0 171.6

176 85.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

Instrument :

MSVOA_Y

ClientSampleId :

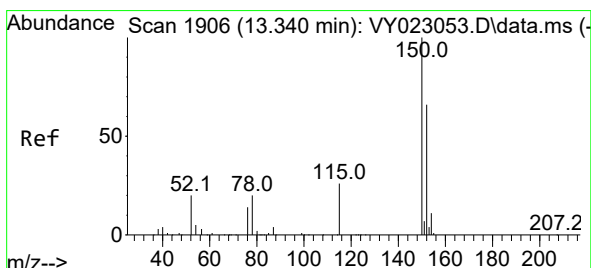
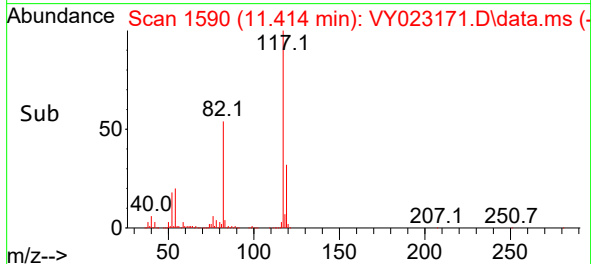
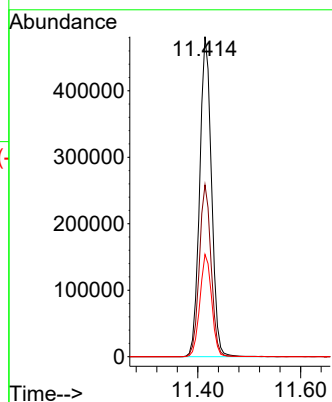
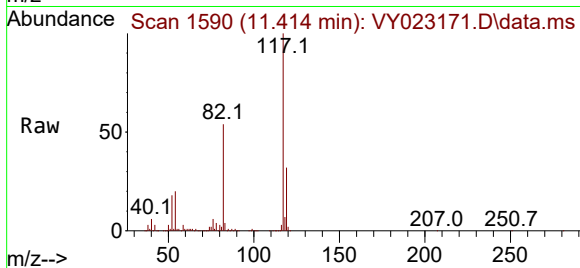
Tgt Ion:117 Resp: 768975

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023171.D

Acq: 20 Aug 2025 13:24

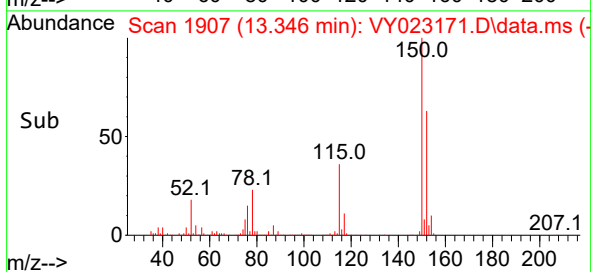
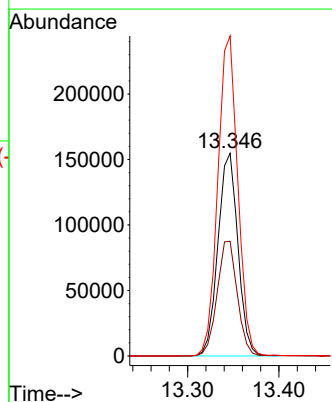
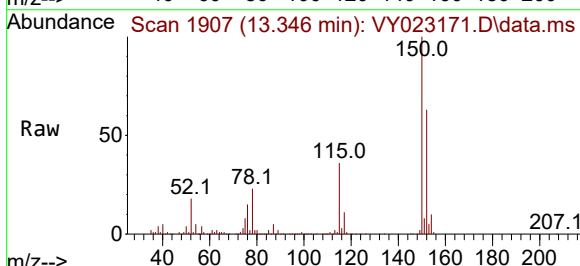
Tgt Ion:152 Resp: 235287

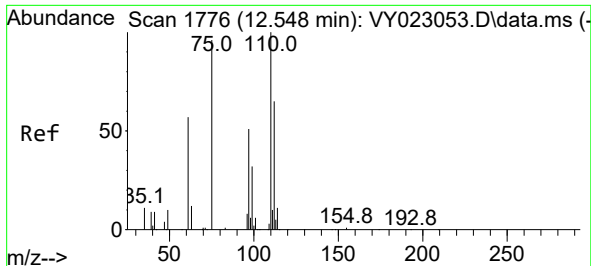
Ion Ratio Lower Upper

152 100

115 57.3 28.2 84.6

150 157.5 0.0 348.0

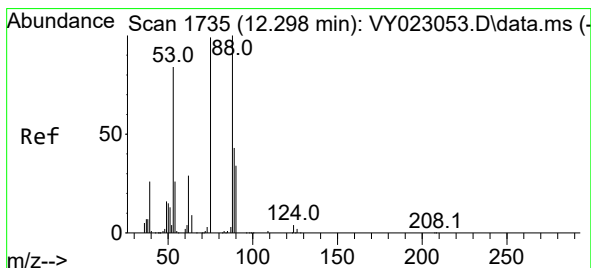
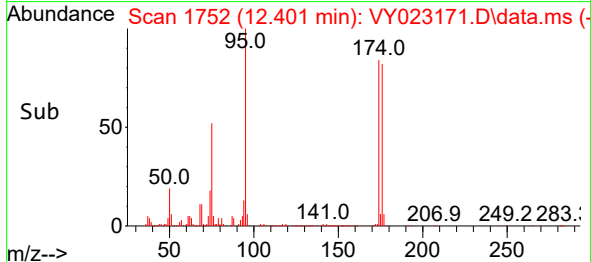
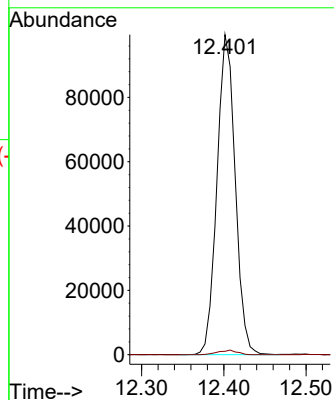
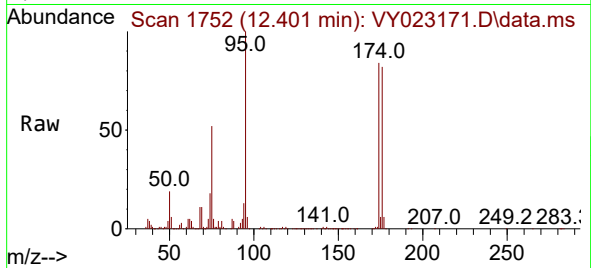




#76
1,2,3-Trichloropropane
Concen: 67.402 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 153054
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.158 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023171.D
Acq: 20 Aug 2025 13:24

Tgt Ion: 75 Resp: 153054
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

