

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023163.D
 Acq On : 20 Aug 2025 09:55
 Operator : SY/MD
 Sample : VY0820SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBL01

Quant Time: Aug 21 01:36:05 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)

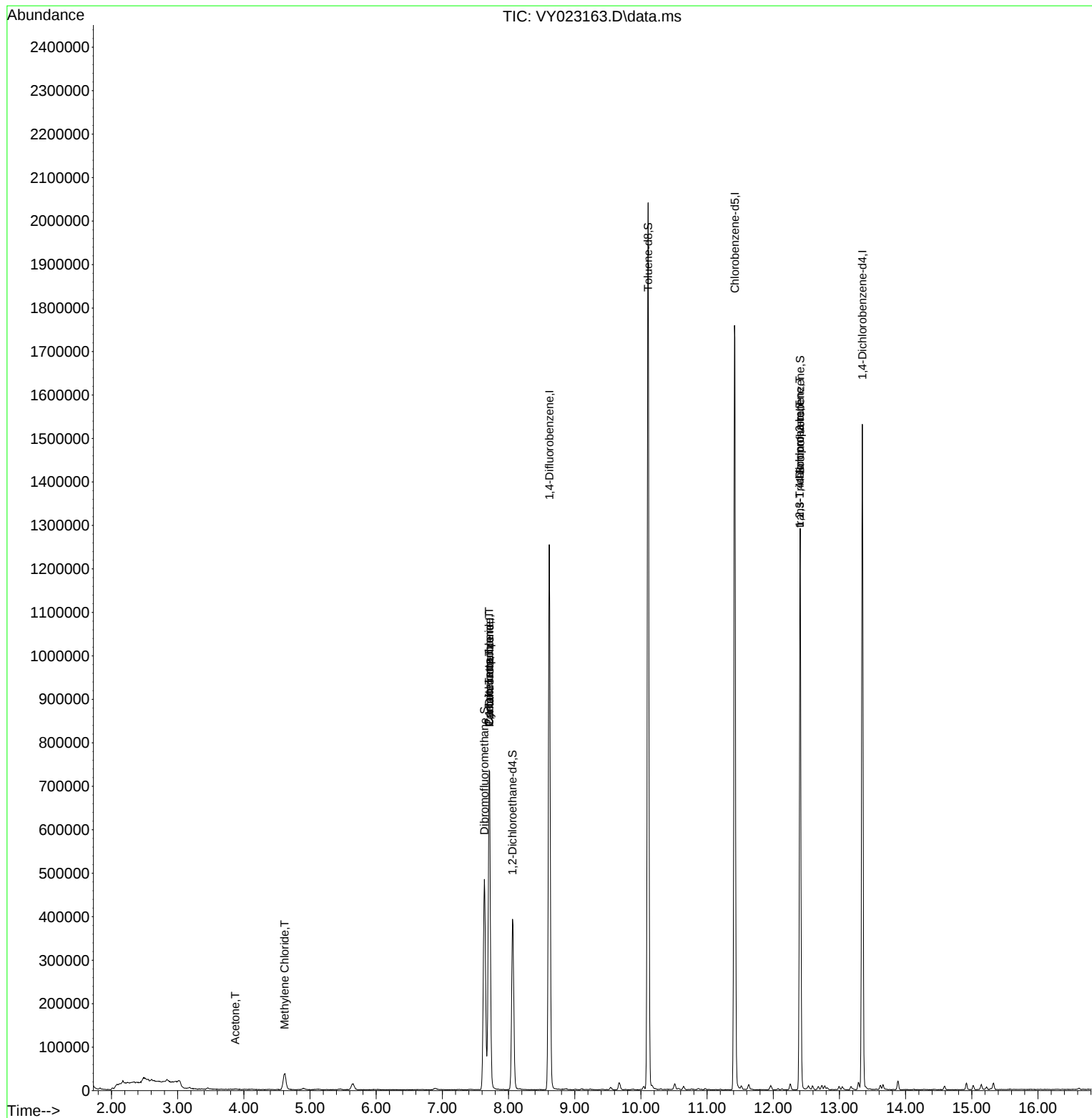
Internal Standards						
1) Pentafluorobenzene	7.713	168	578816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1083634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	970907	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	382880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310295	56.248	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.500%
35) Dibromofluoromethane	7.634	113	344289	53.097	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.200%
50) Toluene-d8	10.109	98	1315018	51.914	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.820%
62) 4-Bromofluorobenzene	12.408	95	380924	46.760	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.520%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	2231	1.867	ug/l #	64
20) Methylene Chloride	4.616	84	28992	2.063	ug/l	95
31) Cyclohexane	7.707	56	12128	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43740	4.539	ug/l #	50
38) Carbon Tetrachloride	7.707	117	56245	5.374	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	195571	52.926	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	195571	128.116	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
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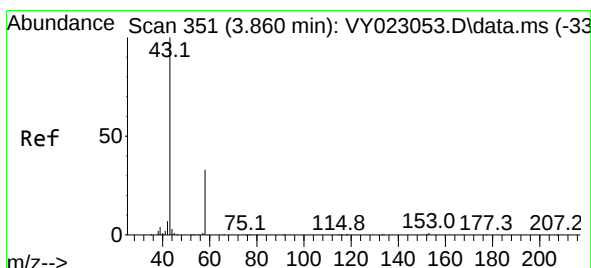
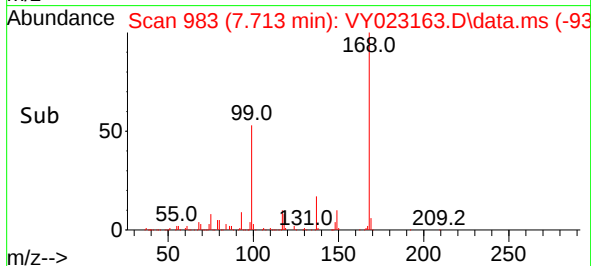
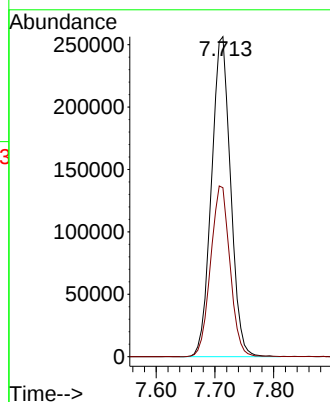
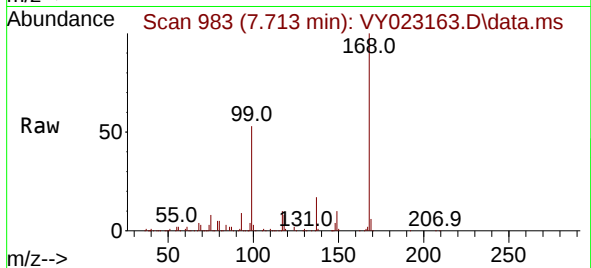




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

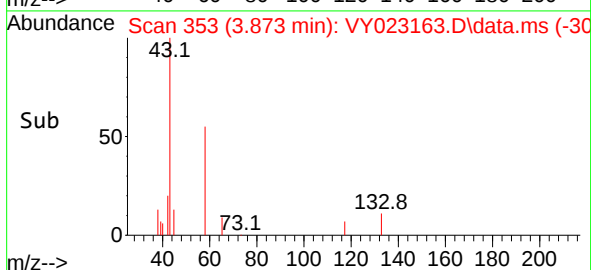
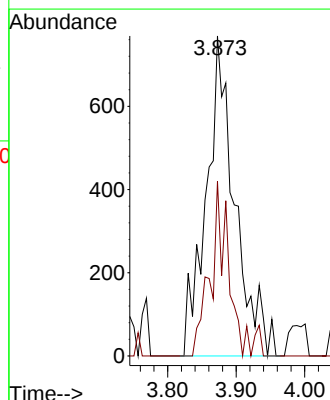
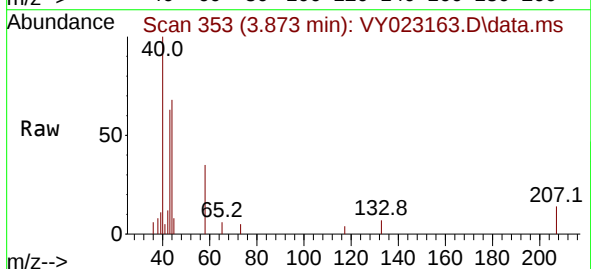
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

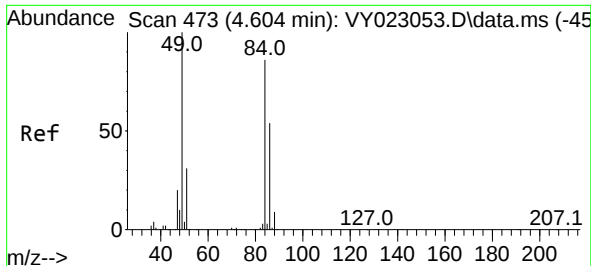
Tgt Ion:168 Resp: 578816
Ion Ratio Lower Upper
168 100
99 52.8 42.8 64.2



#16
Acetone
Concen: 1.867 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 43 Resp: 2231
Ion Ratio Lower Upper
43 100
58 54.6 27.1 40.7#

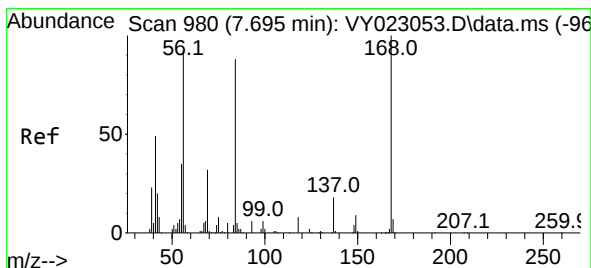
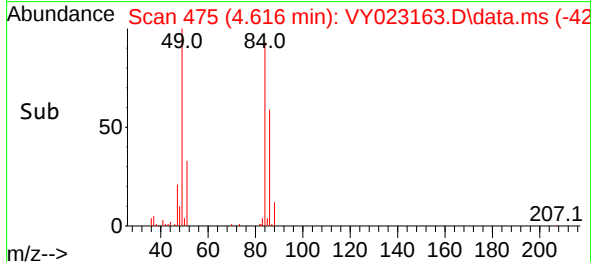
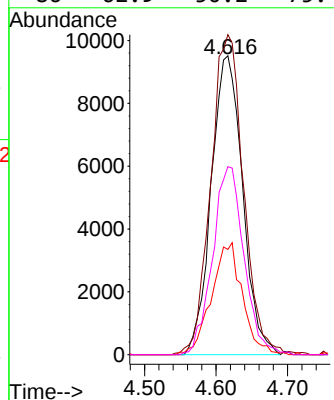
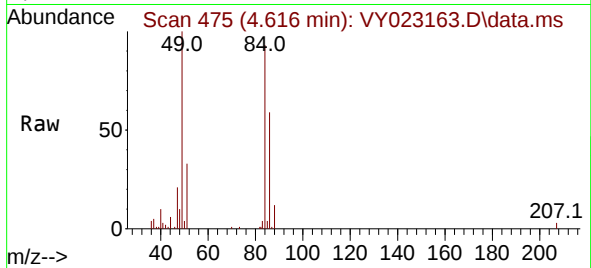




#20
Methylene Chloride
Concen: 2.063 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

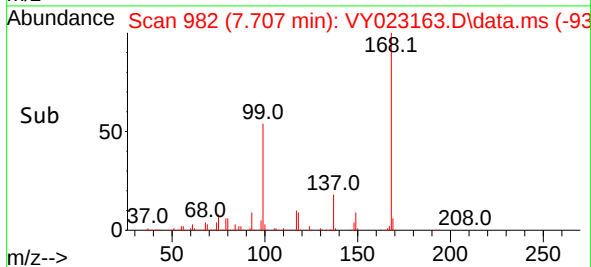
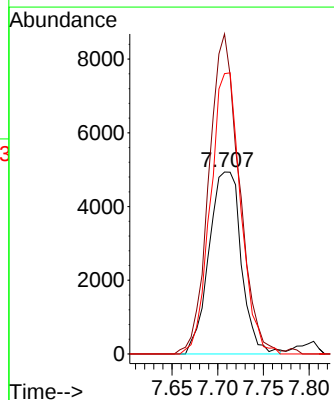
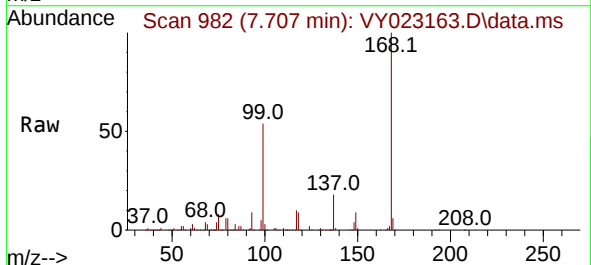
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion:	84	Resp:	28992
Ion	Ratio	Lower	Upper
84	100		
49	106.4	93.0	139.6
51	34.6	29.0	43.4
86	62.9	50.2	75.4



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion:	56	Resp:	12128
Ion	Ratio	Lower	Upper
56	100		
69	174.1	28.2	42.2#
84	154.1	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 56.248 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023163.D

Acq: 20 Aug 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

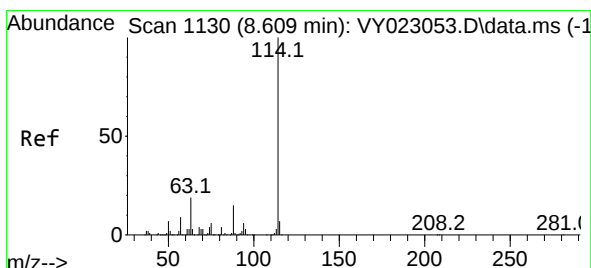
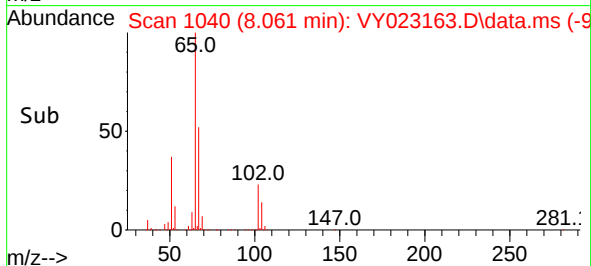
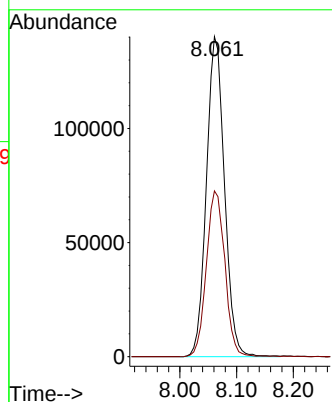
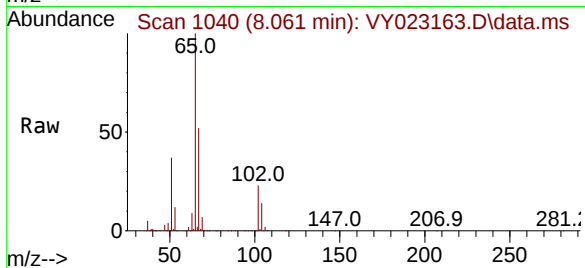
VY0820SBL01

Tgt Ion: 65 Resp: 310295

Ion Ratio Lower Upper

65 100

67 53.0 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: VY023163.D

Acq: 20 Aug 2025 09:55

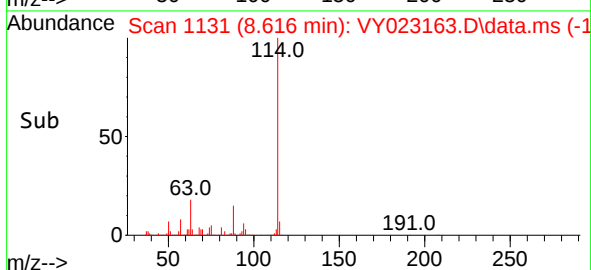
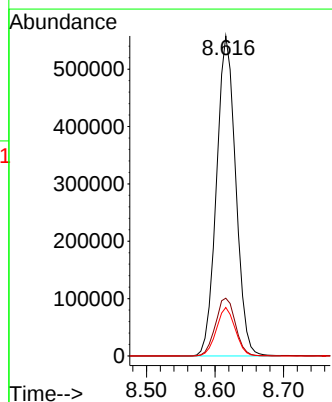
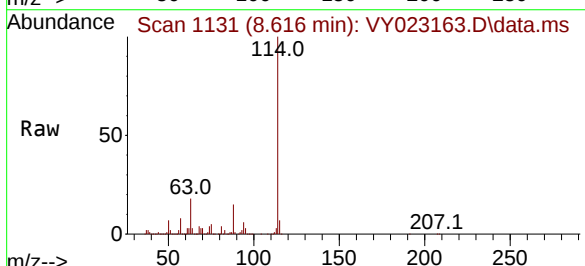
Tgt Ion: 114 Resp: 1083634

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 15.1 0.0 30.0

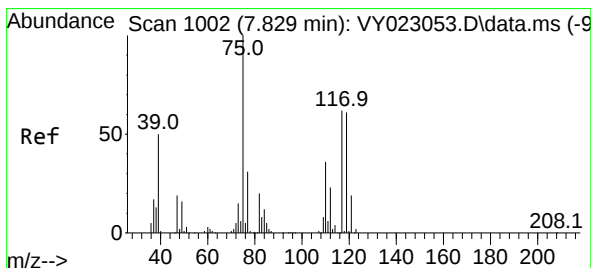
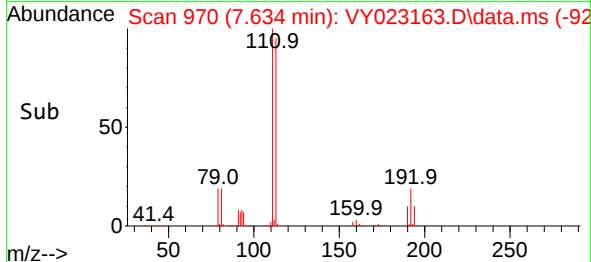
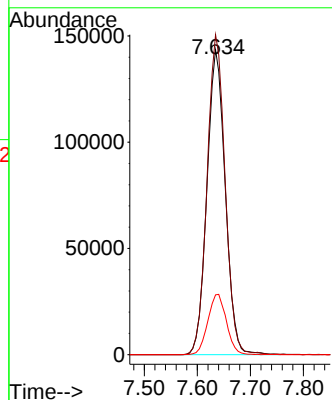
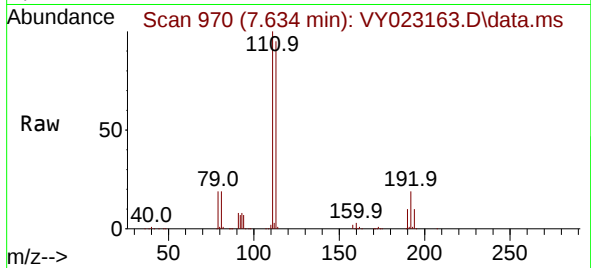




#35
Dibromofluoromethane
Concen: 53.097 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

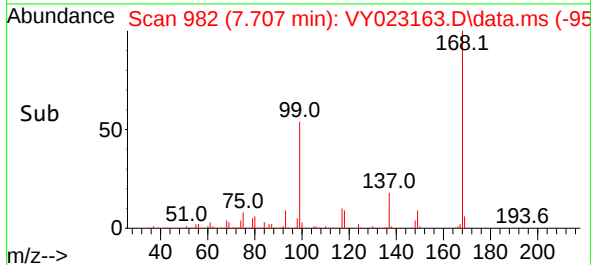
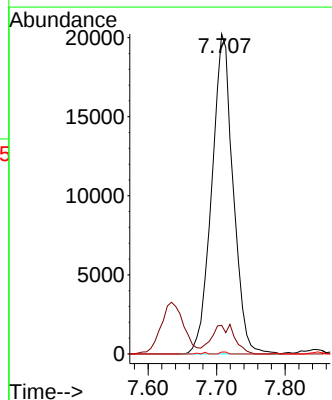
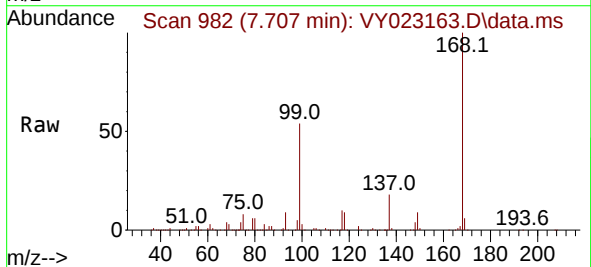
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

Tgt Ion:113 Resp: 344289
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 75 Resp: 43740
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.2 24.6 37.0#

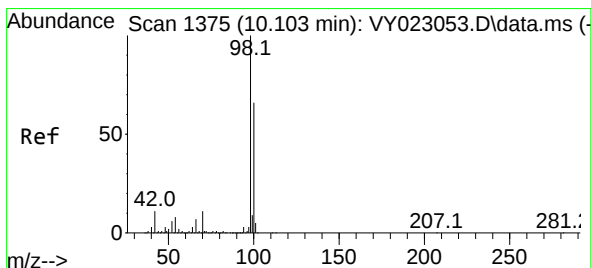
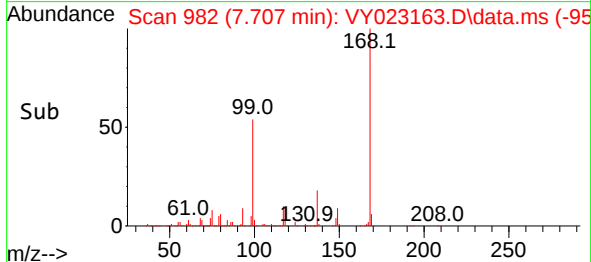
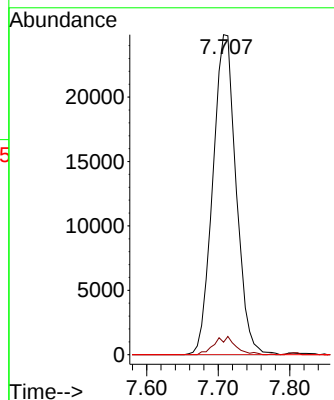
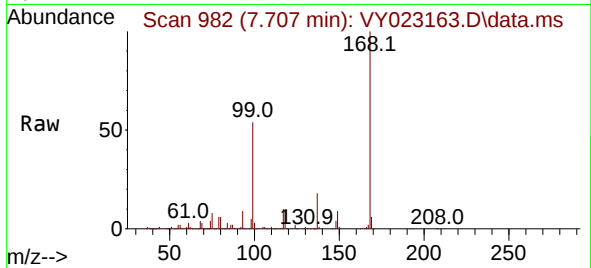




#38
Carbon Tetrachloride
Concen: 5.374 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

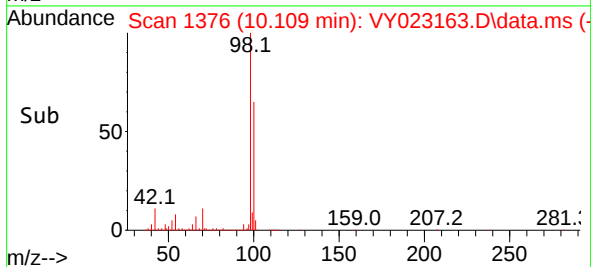
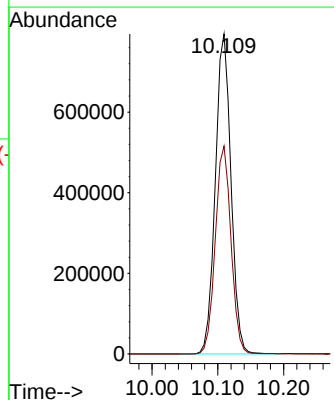
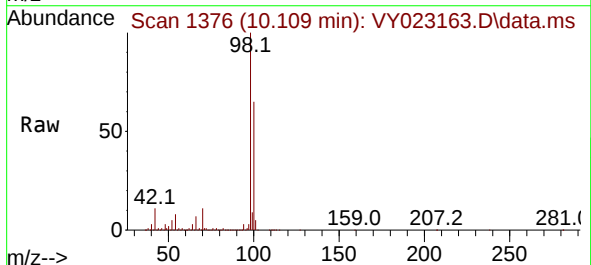
Instrument :
MSVOA_Y
ClientSampleId :
VY0820SBL01

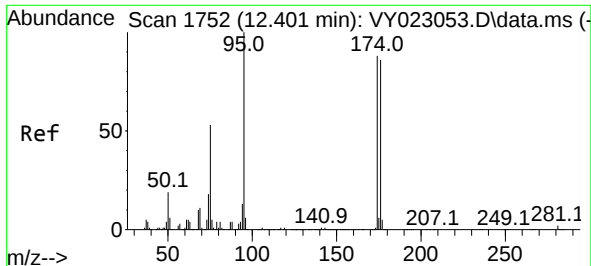
Tgt Ion:117 Resp: 56245
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.914 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 98 Resp: 1315018
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5

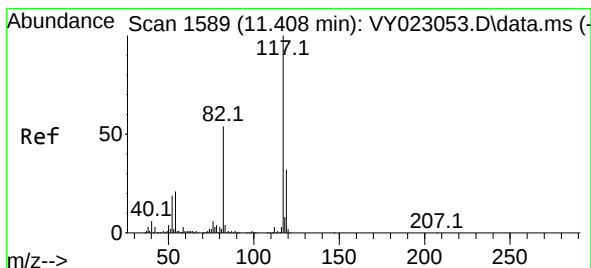
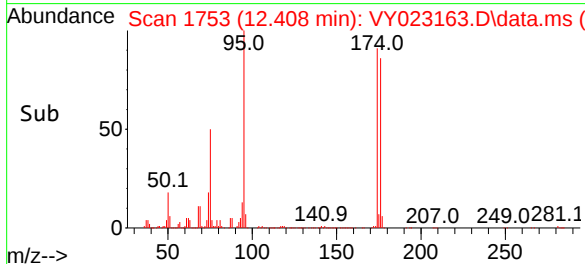
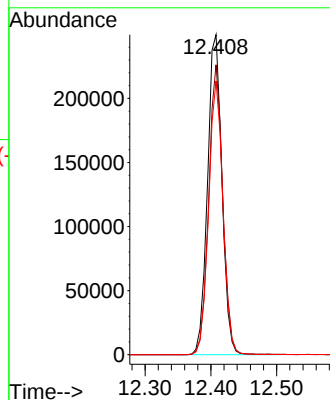
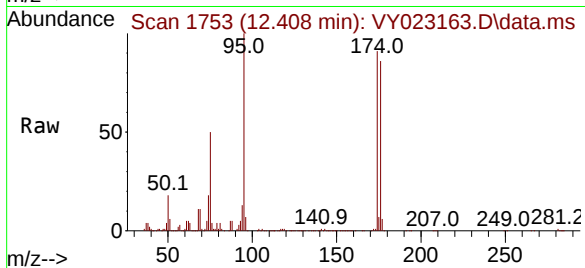




#62
4-Bromofluorobenzene
Concen: 46.760 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

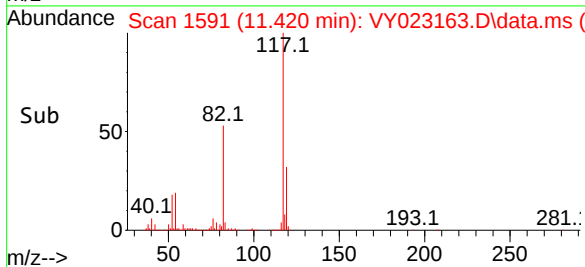
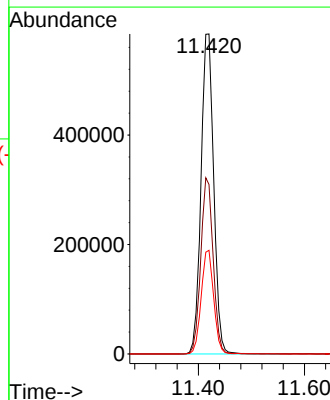
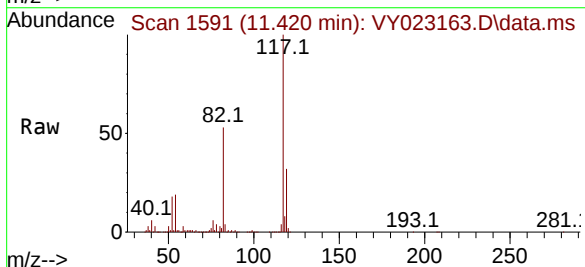
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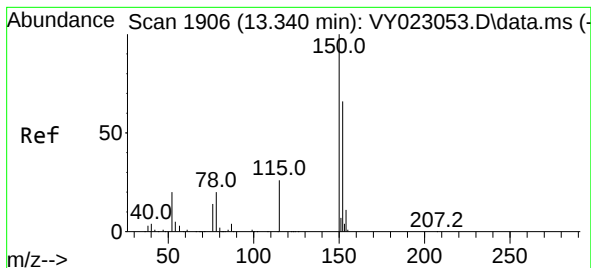
Tgt Ion: 95 Resp: 380924
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023163.D
Acq: 20 Aug 2025 09:55

Tgt Ion: 117 Resp: 970907
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023163.D

Acq: 20 Aug 2025 09:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0820SBL01

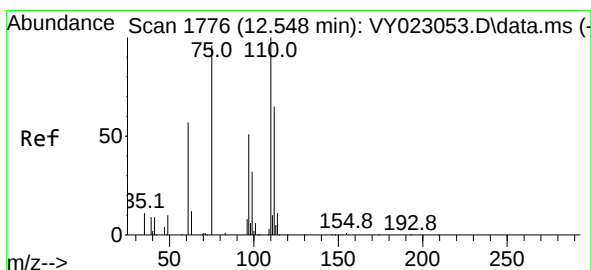
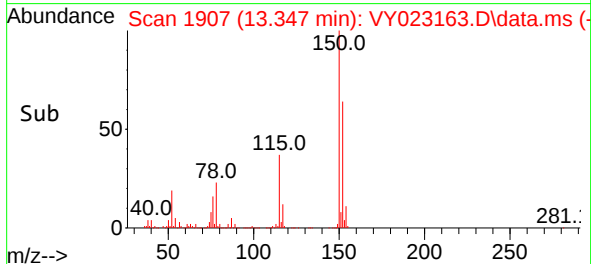
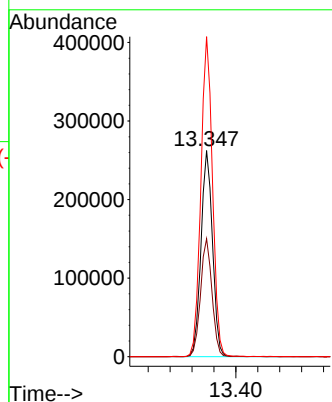
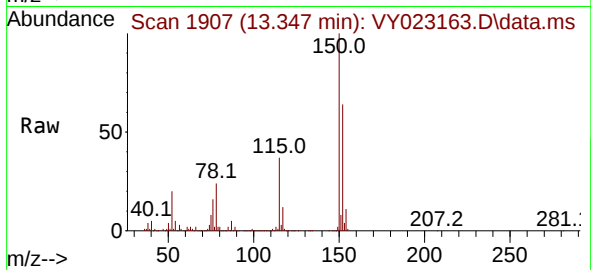
Tgt Ion:152 Resp: 382880

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.6

150 156.7 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 52.926 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023163.D

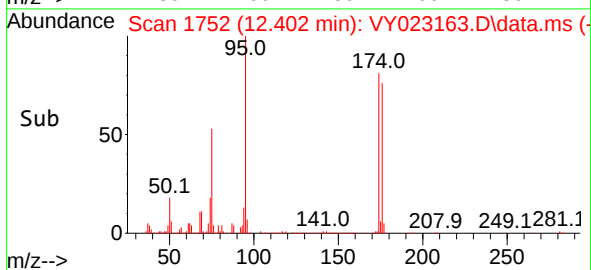
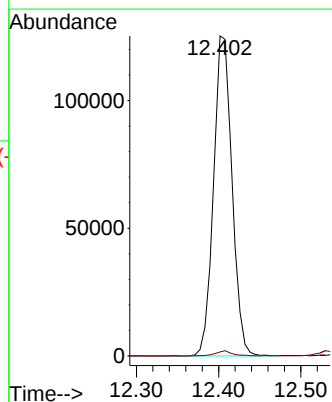
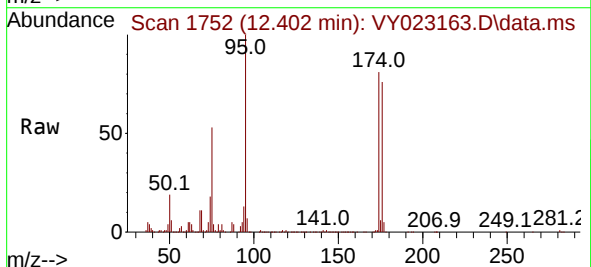
Acq: 20 Aug 2025 09:55

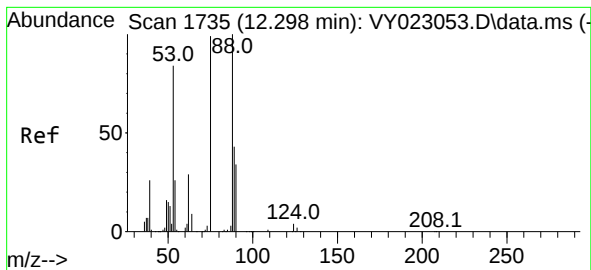
Tgt Ion: 75 Resp: 195571

Ion Ratio Lower Upper

75 100

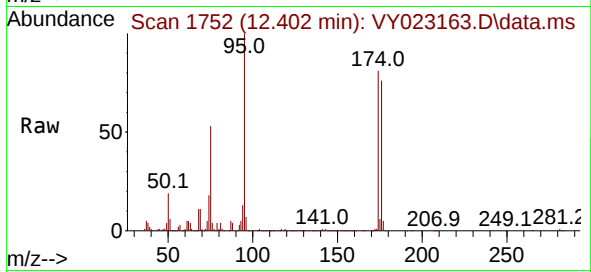
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.116 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023163.D
 Acq: 20 Aug 2025 09:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0820SBL01



Tgt Ion: 75 Resp: 195571
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.0 38.1 57.1#

