

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023565.D
 Acq On : 24 Oct 2025 11:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 24 23:49:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

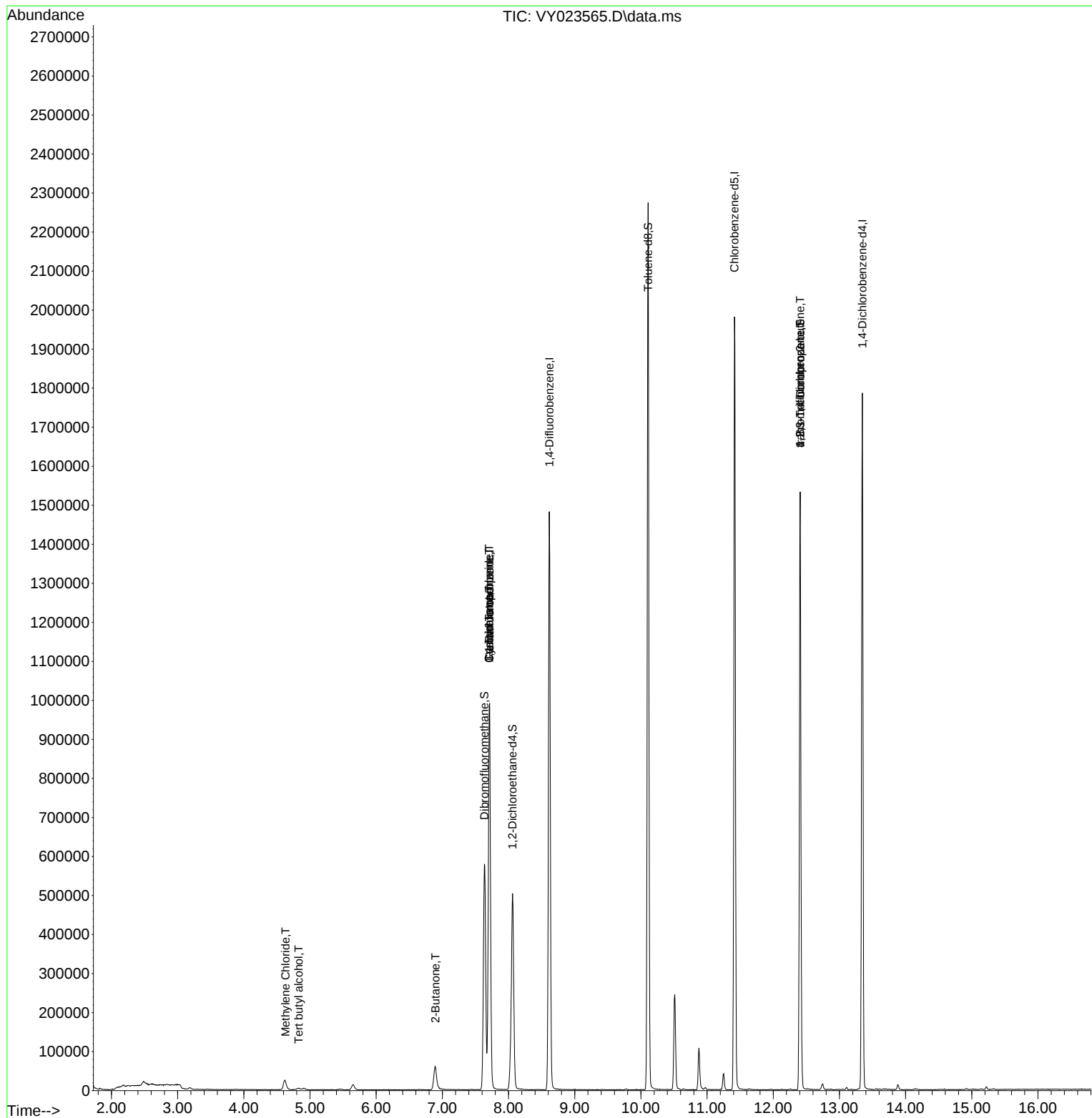
Internal Standards						
1) Pentafluorobenzene	7.713	168	858750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1376016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1159653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	494797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	338790	47.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.360%
35) Dibromofluoromethane	7.634	113	423426	50.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.160%
50) Toluene-d8	10.109	98	1527298	48.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.408	95	440108	42.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	4160	7.787	ug/l #	72
20) Methylene Chloride	4.629	84	20479	2.215	ug/l #	87
25) 2-Butanone	6.897	43	2798	1.341	ug/l #	40
31) Cyclohexane	7.707	56	13164	1.102	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	53242	4.757	ug/l #	47
38) Carbon Tetrachloride	7.707	117	74962	5.523	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	209554	48.003	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	209554	117.713	ug/l #	14

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

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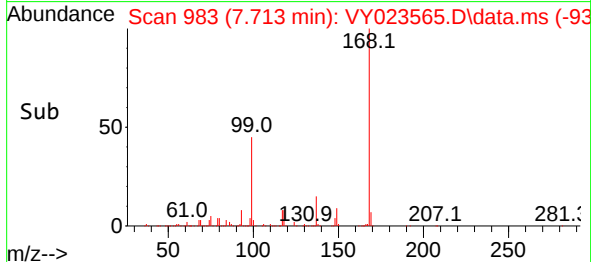
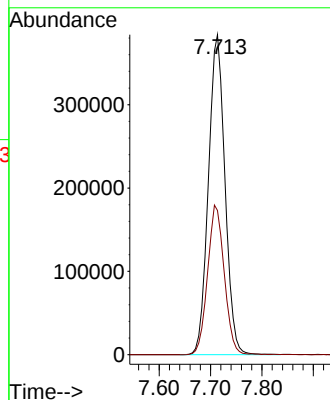
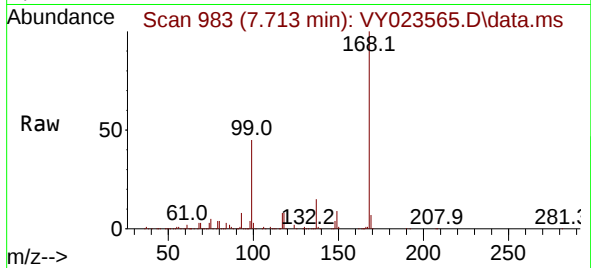




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

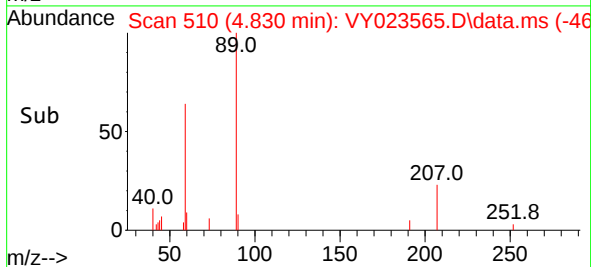
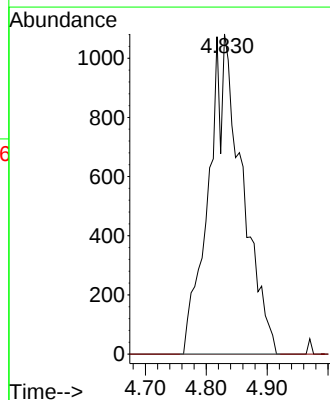
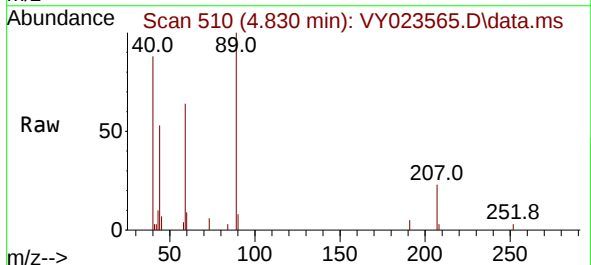
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

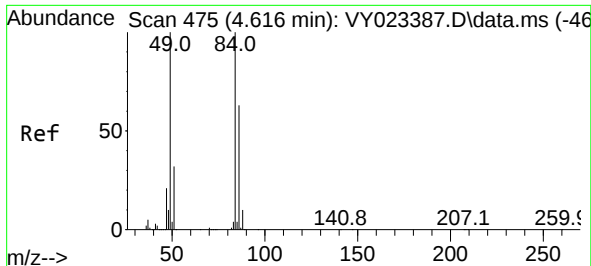
Tgt Ion:168 Resp: 858750
Ion Ratio Lower Upper
168 100
99 45.0 39.7 59.5



#11
Tert butyl alcohol
Concen: 7.787 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion: 59 Resp: 4160
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

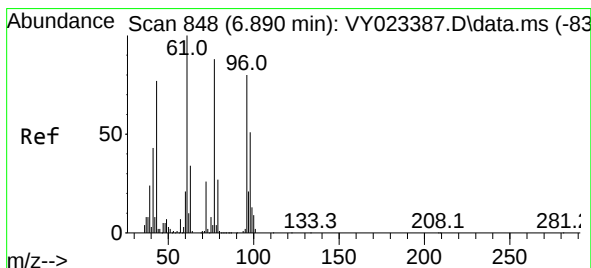
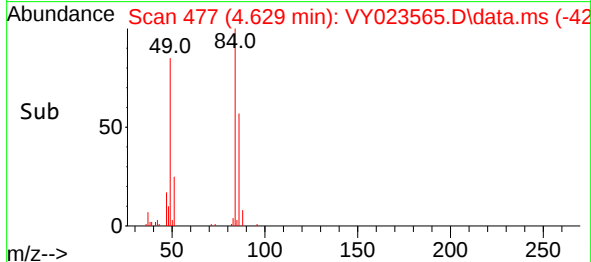
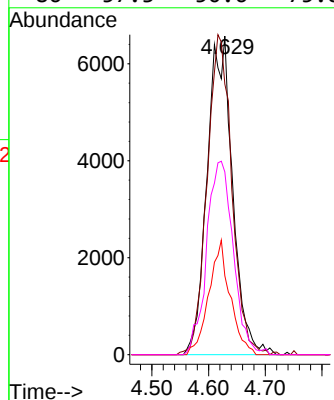
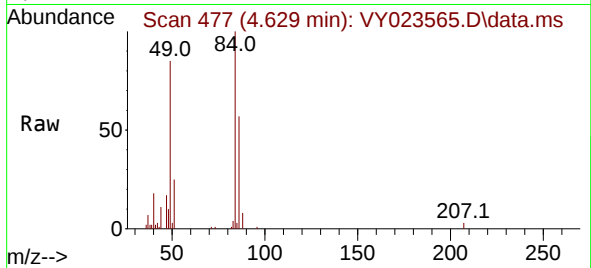




#20
Methylene Chloride
Concen: 2.215 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

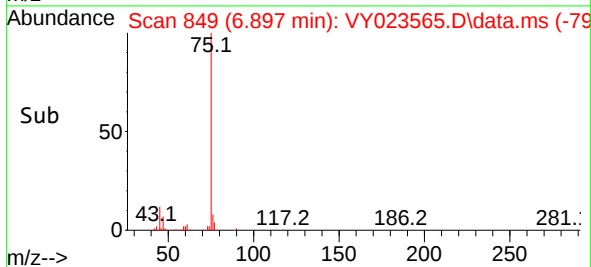
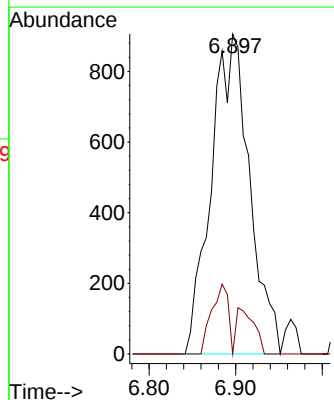
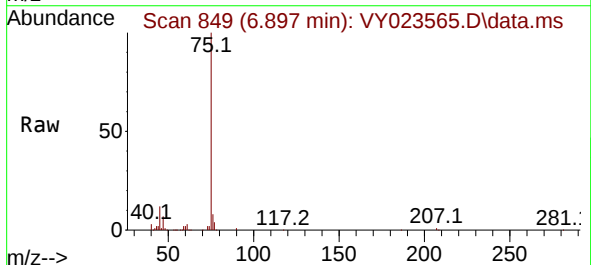
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:	84	Resp:	20479
Ion	Ratio	Lower	Upper
84	100		
49	84.9	80.2	120.4
51	24.8	25.9	38.9#
86	57.3	50.6	75.8



#25
2-Butanone
Concen: 1.341 ug/l
RT: 6.897 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion:	43	Resp:	2798
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.4	41.2#

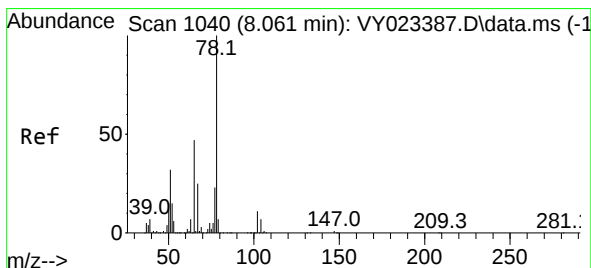
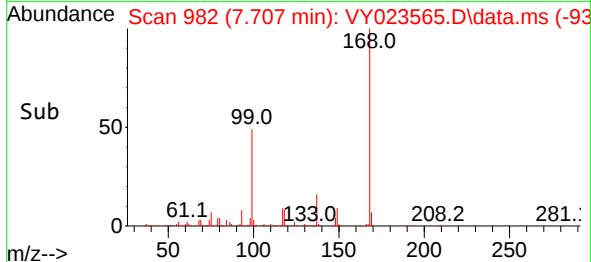
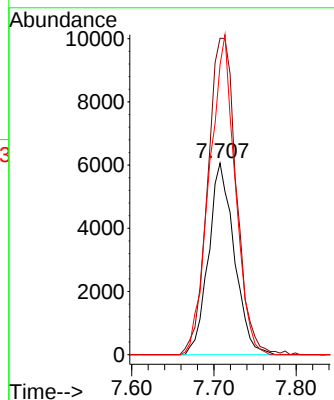
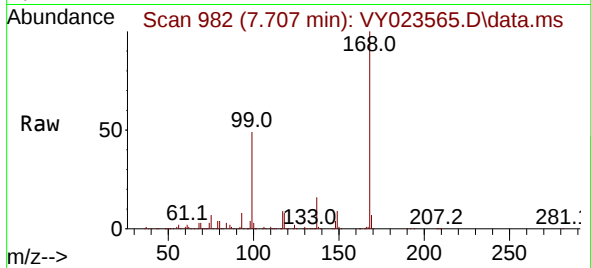




#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

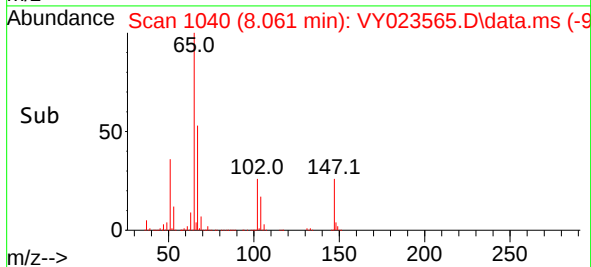
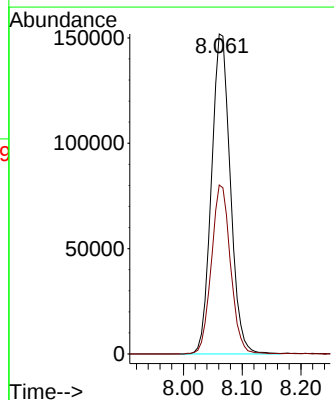
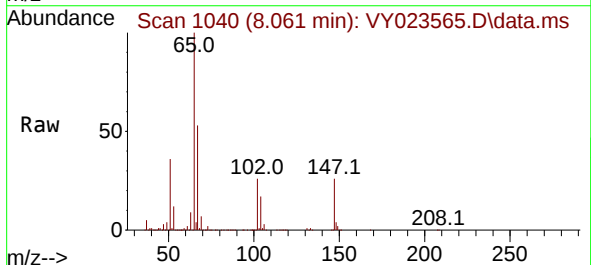
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

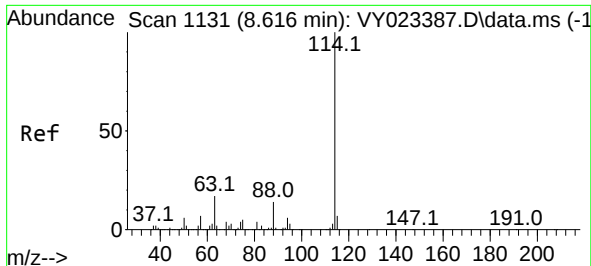
Tgt Ion: 56 Resp: 13164
Ion Ratio Lower Upper
56 100
69 165.3 30.0 45.0#
84 151.3 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 47.179 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion: 65 Resp: 338790
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

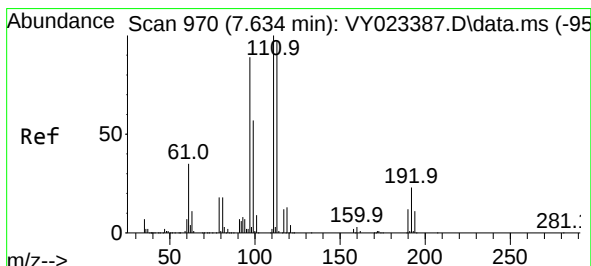
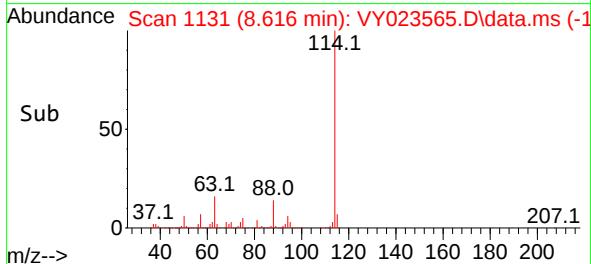
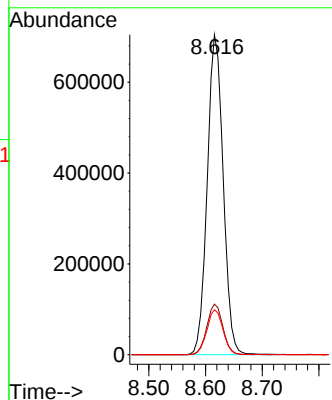
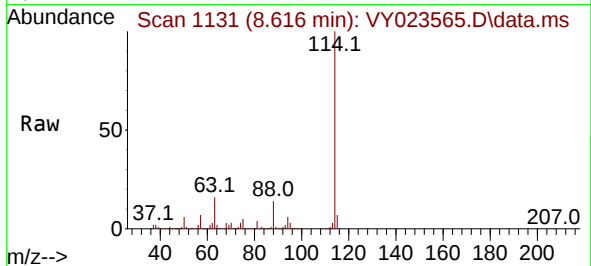




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

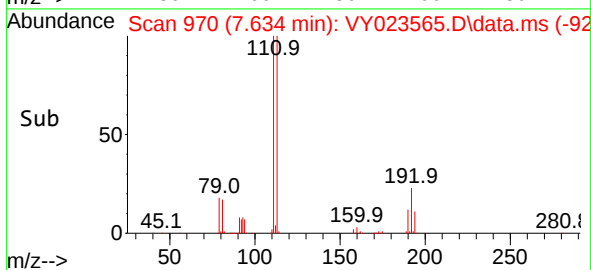
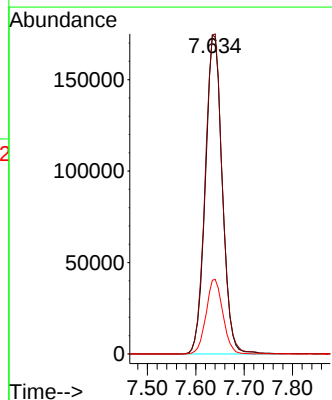
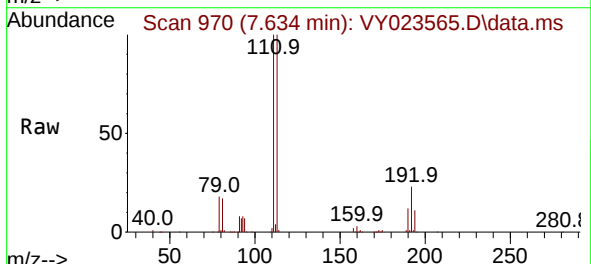
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 1376016
Ion Ratio Lower Upper
114 100
63 15.8 0.0 34.2
88 14.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.080 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion:113 Resp: 423426
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 23.2 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.757 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

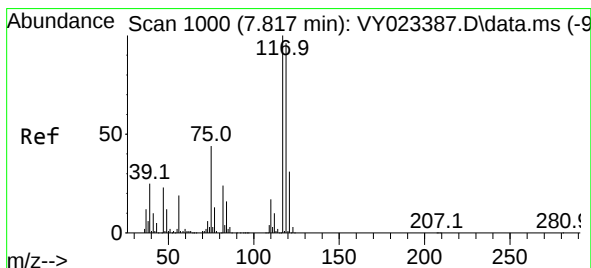
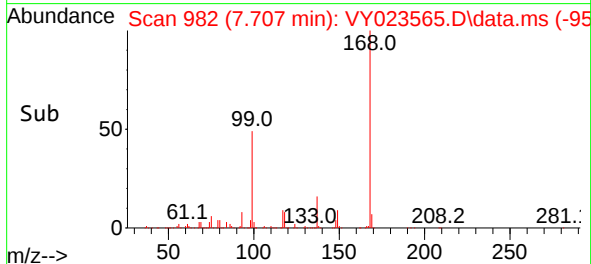
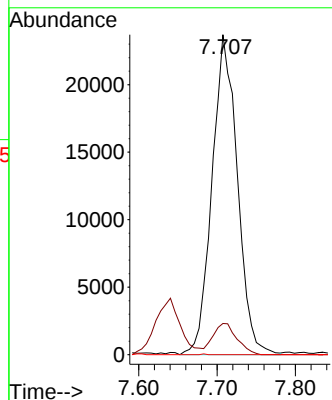
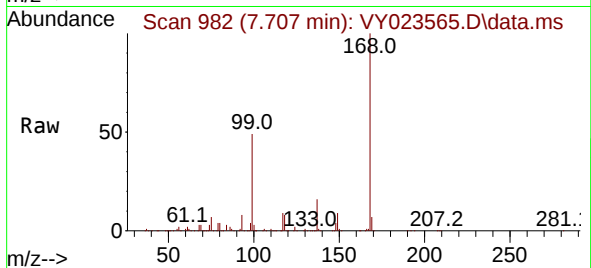
Tgt Ion: 75 Resp: 53242

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

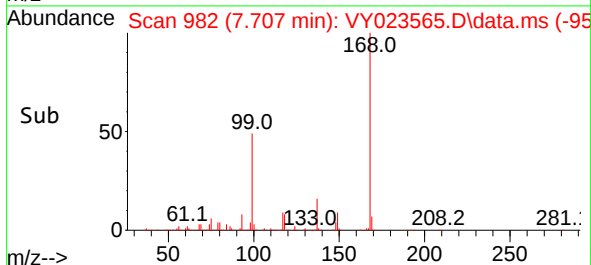
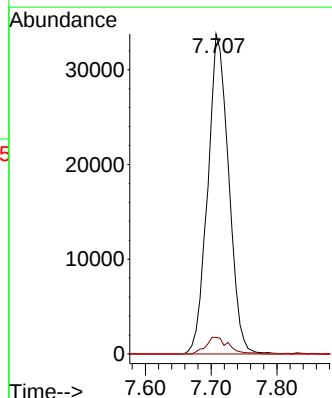
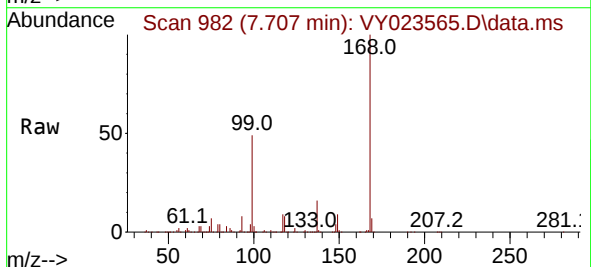
Tgt Ion: 117 Resp: 74962

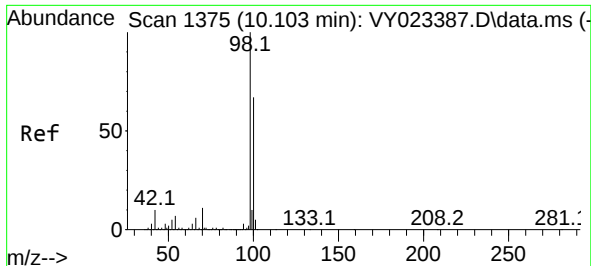
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#

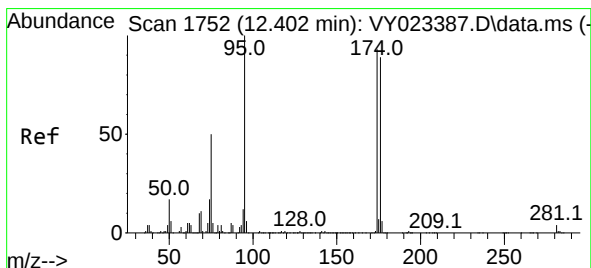
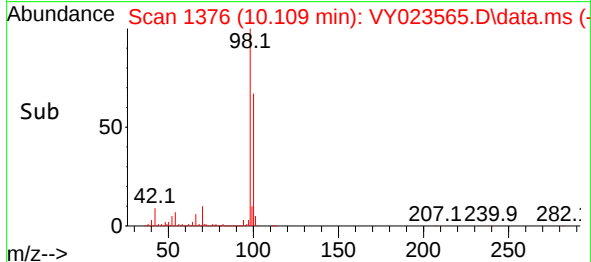
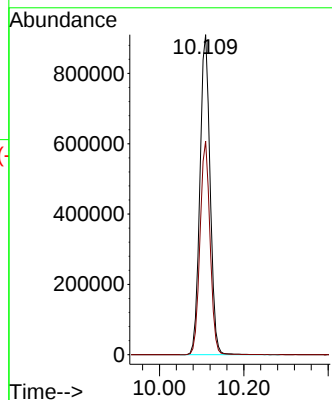
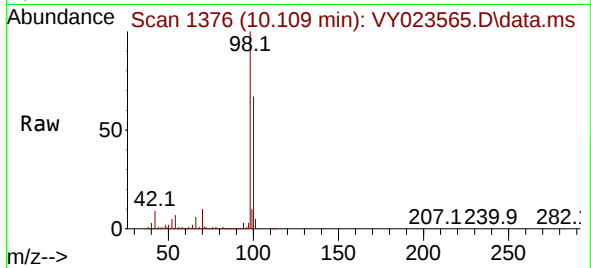




#50
Toluene-d8
Concen: 48.505 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

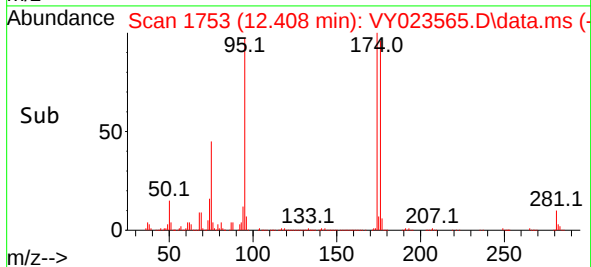
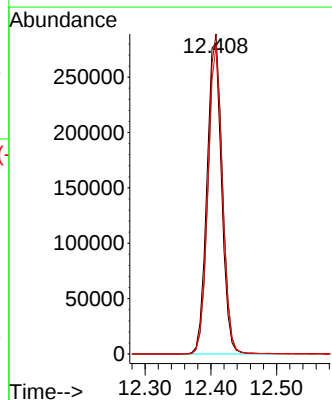
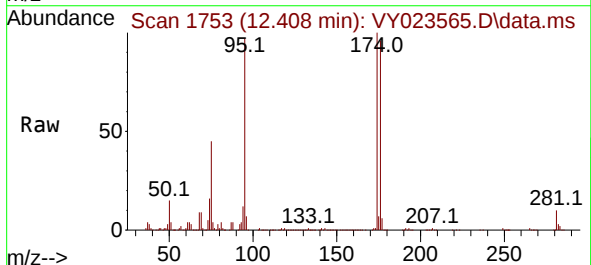
Instrument :
MSVOA_Y
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VIBLK

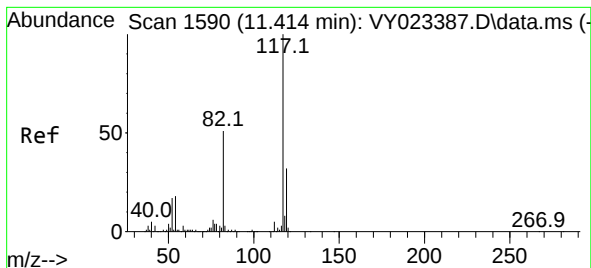
Tgt Ion: 98 Resp: 1527298
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.337 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion: 95 Resp: 440108
Ion Ratio Lower Upper
95 100
174 100.3 0.0 192.8
176 96.8 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

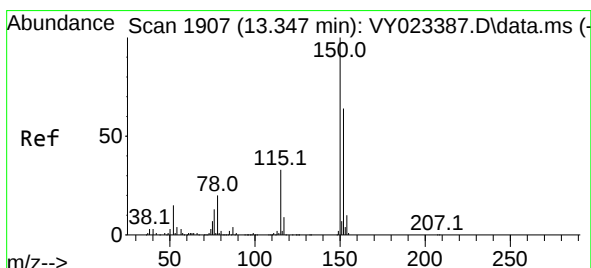
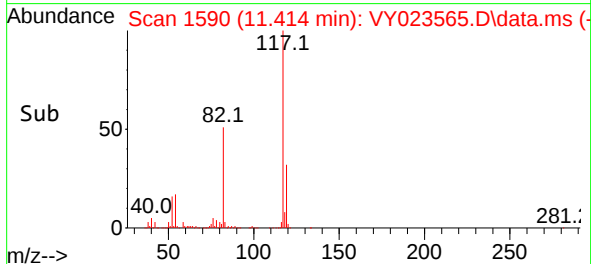
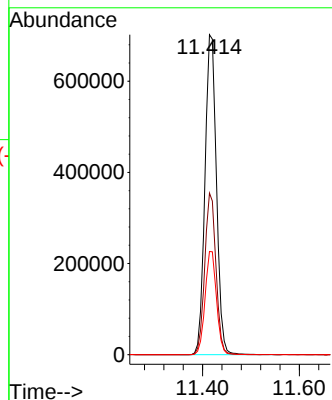
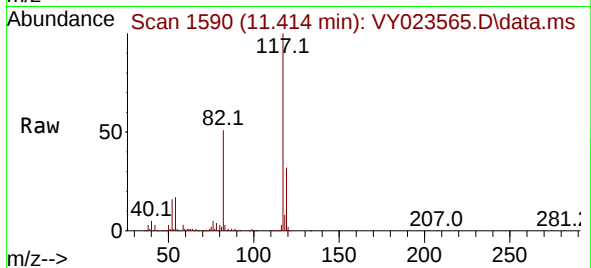
Tgt Ion:117 Resp: 1159653

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

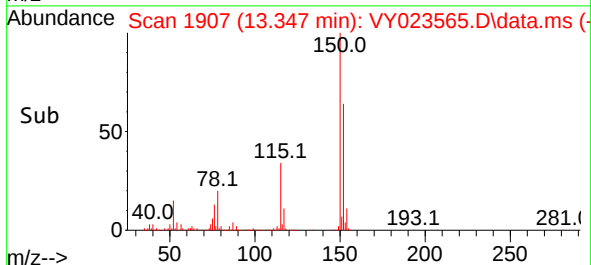
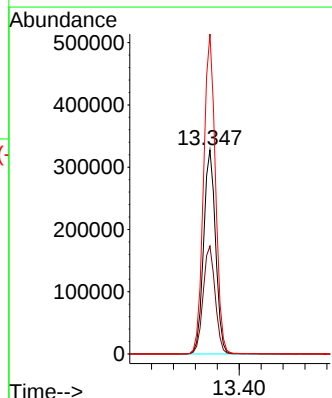
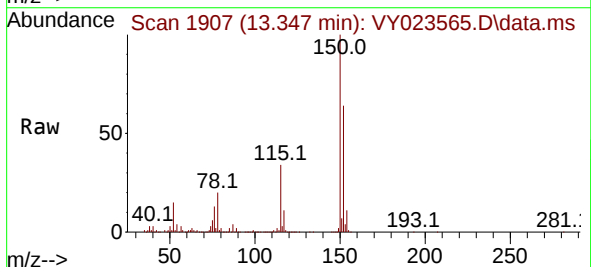
Tgt Ion:152 Resp: 494797

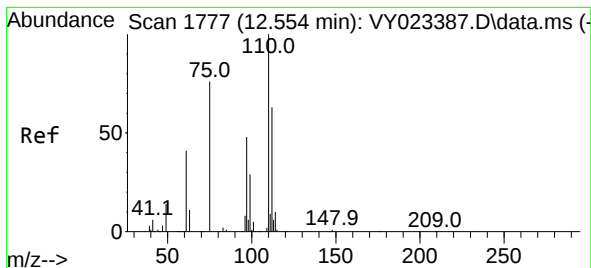
Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.2

150 156.3 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 48.003 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

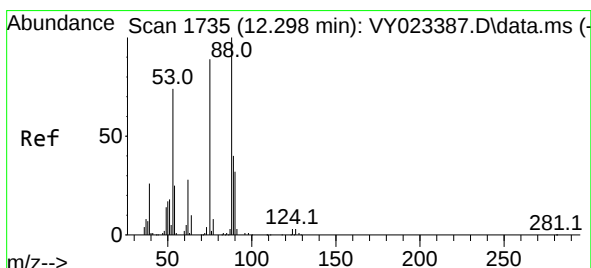
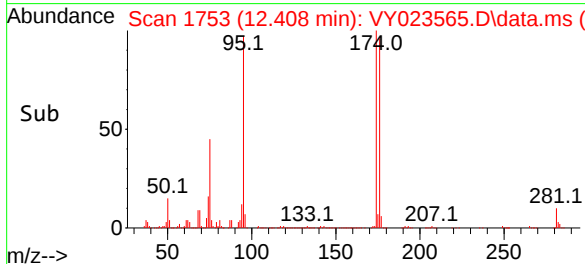
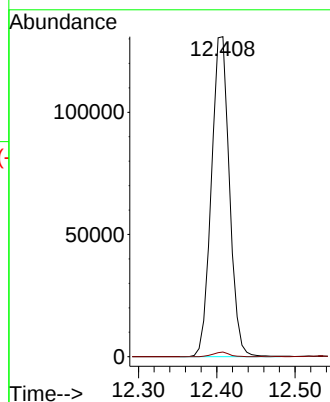
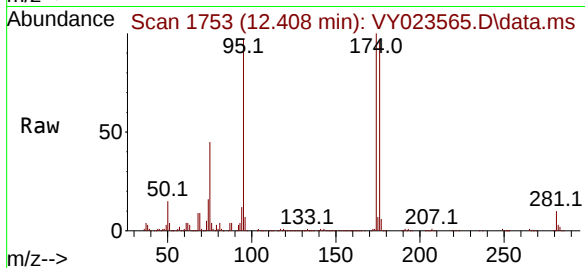
VIBLK

Tgt Ion: 75 Resp: 209554

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 117.713 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

Tgt Ion: 75 Resp: 209554

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 39.0 58.4#

