

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023211.D
 Acq On : 25 Aug 2025 16:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:51:04 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)

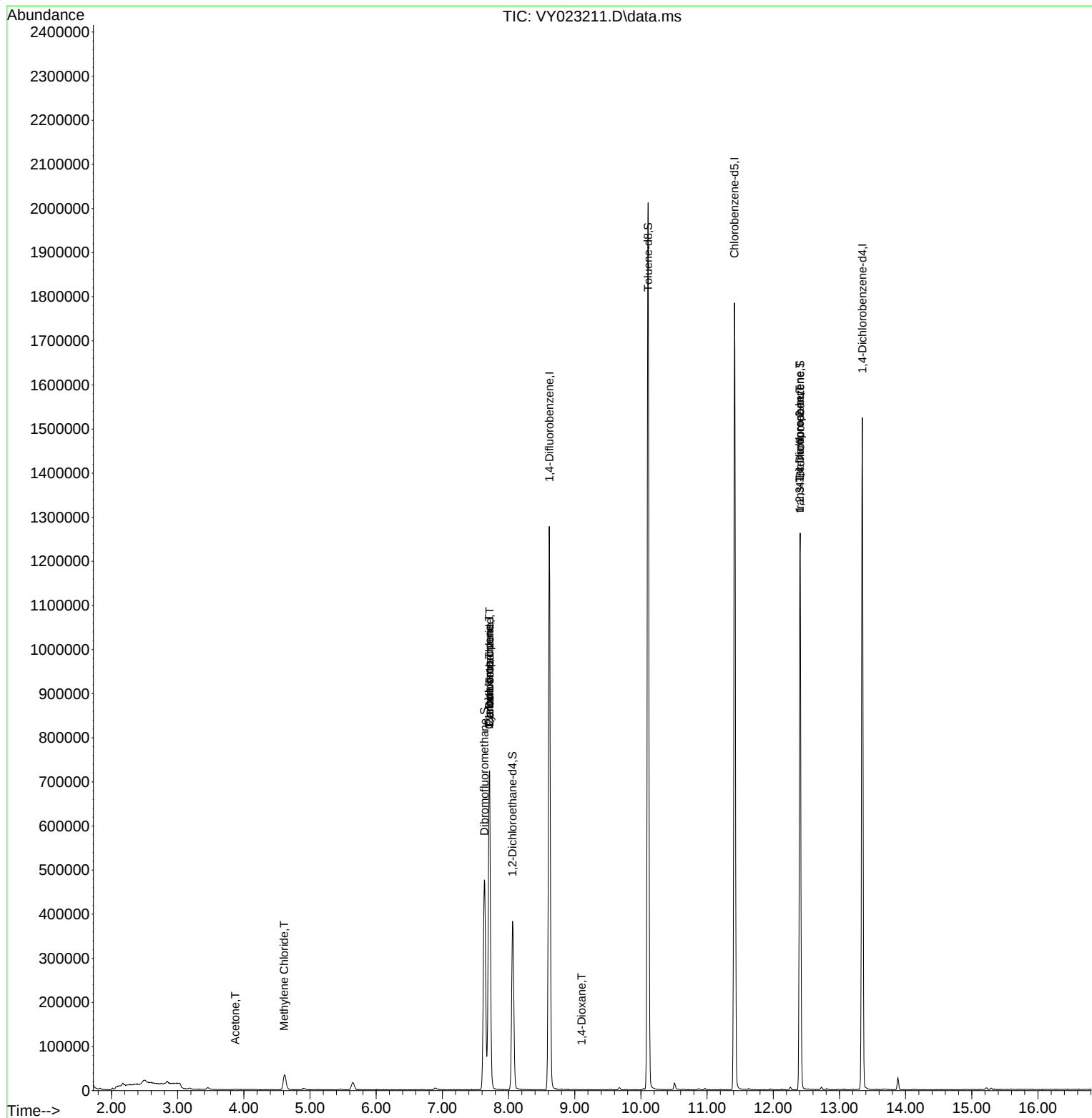
Internal Standards						
1) Pentafluorobenzene	7.713	168	579558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1095396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	977233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	392322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301839	54.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.300%	
35) Dibromofluoromethane	7.634	113	349683	53.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.109	98	1327425	51.841	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.408	95	377096	45.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1617	1.351	ug/l	92
20) Methylene Chloride	4.610	84	26469	1.627	ug/l #	92
31) Cyclohexane	7.707	56	11604	1.128	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43791	4.496	ug/l #	49
38) Carbon Tetrachloride	7.713	117	56263	5.318	ug/l #	16
49) 1,4-Dioxane	9.103	88	48	1.032	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	191780	50.651	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	191780	122.609	ug/l #	14

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

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Acq On : 25 Aug 2025 16:04
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Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

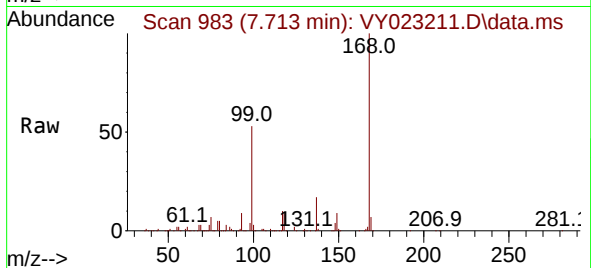
Quant Time: Aug 25 23:51:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



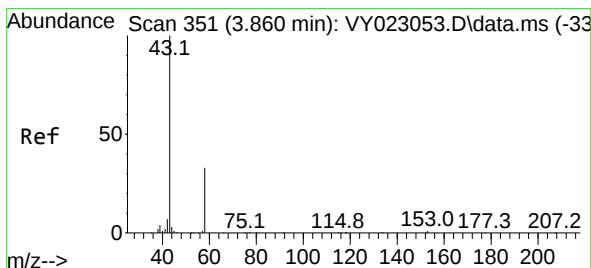
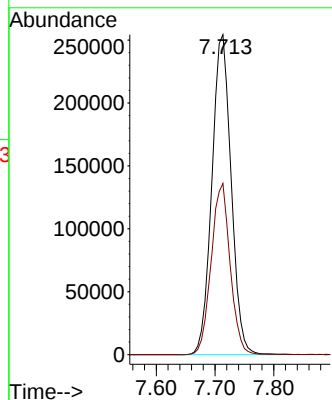
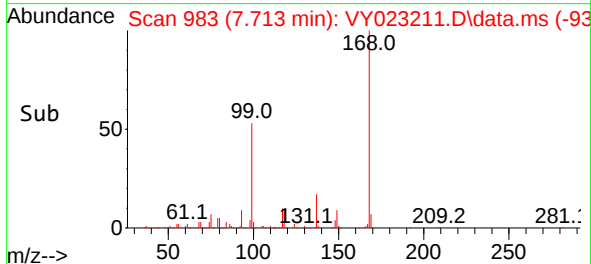


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_Y
ClientSampleId :

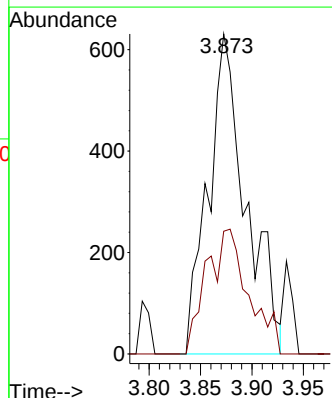
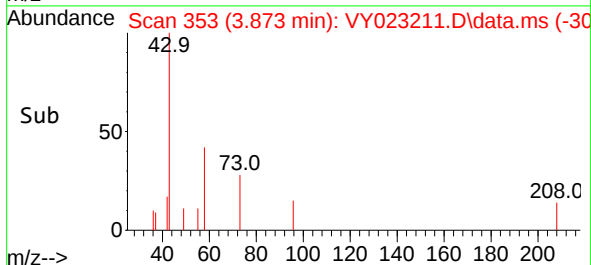
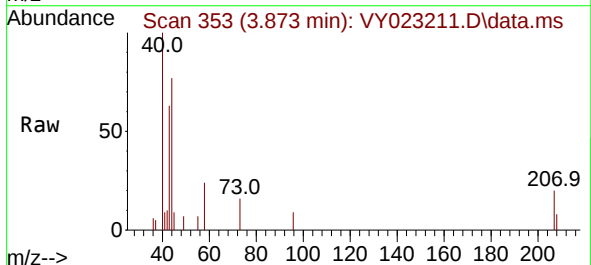


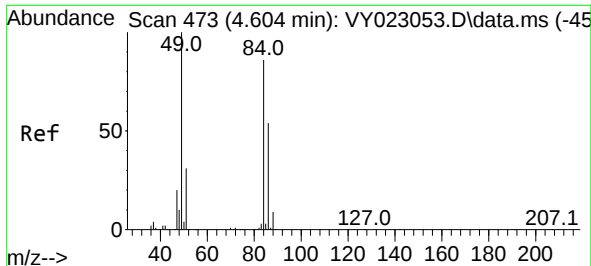
Tgt Ion:168 Resp: 579558
Ion Ratio Lower Upper
168 100
99 53.5 42.8 64.2



#16
Acetone
Concen: 1.351 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

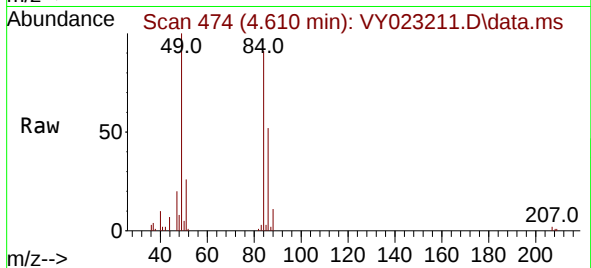
Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
58 38.4 27.1 40.7



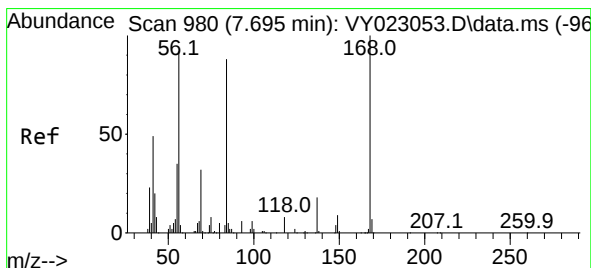
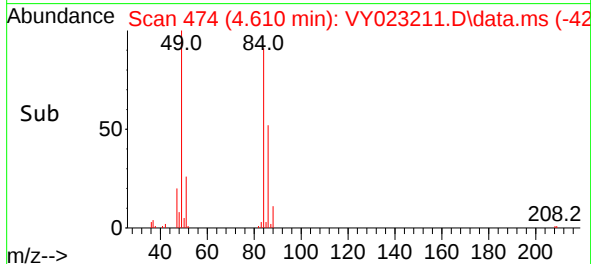
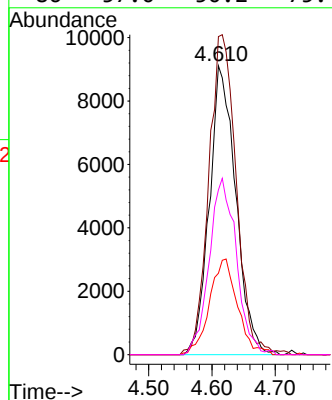


#20
Methylene Chloride
Concen: 1.627 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_Y
ClientSampleId :

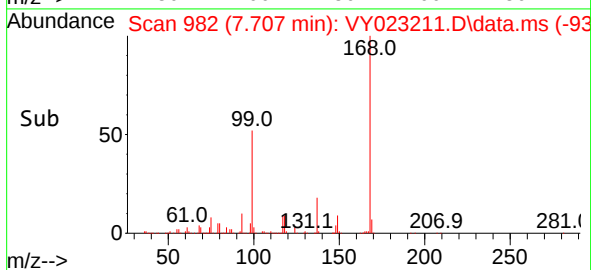
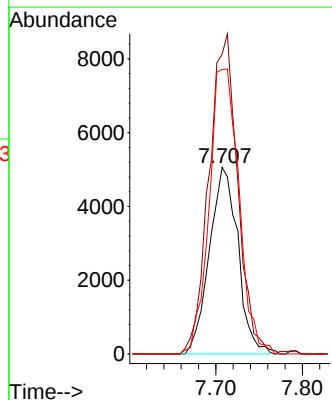
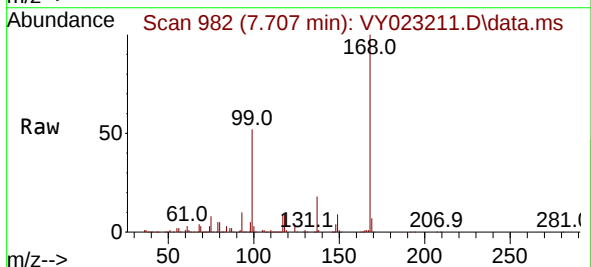


Tgt Ion:	84	Resp:	26469
Ion	Ratio	Lower	Upper
84	100		
49	110.1	93.0	139.6
51	28.2	29.0	43.4#
86	57.0	50.2	75.4



#31
Cyclohexane
Concen: 1.128 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion:	56	Resp:	11604
Ion	Ratio	Lower	Upper
56	100		
69	160.7	28.2	42.2#
84	152.6	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.645 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

Instrument :

MSVOA_Y

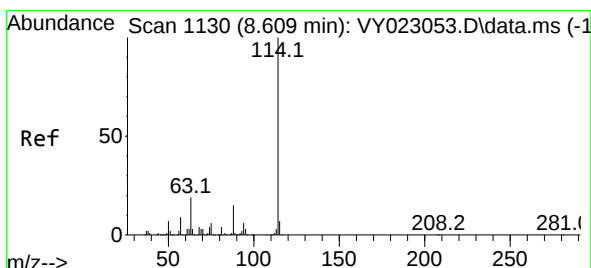
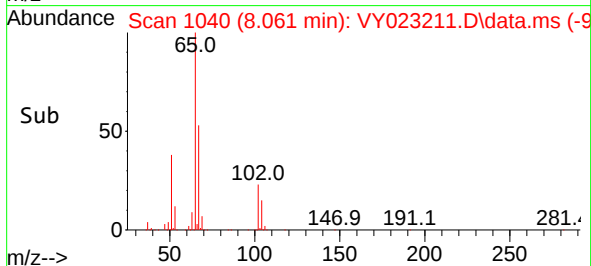
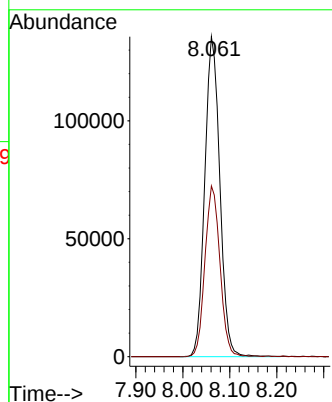
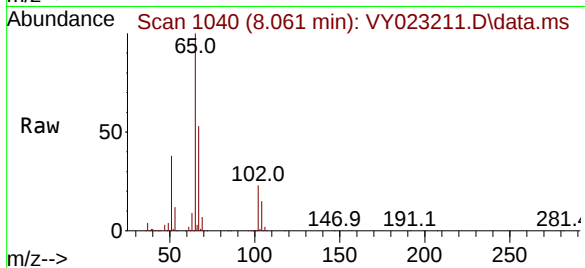
ClientSampleId :

Tgt Ion: 65 Resp: 301839

Ion Ratio Lower Upper

65 100

67 53.1 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: VY023211.D

Acq: 25 Aug 2025 16:04

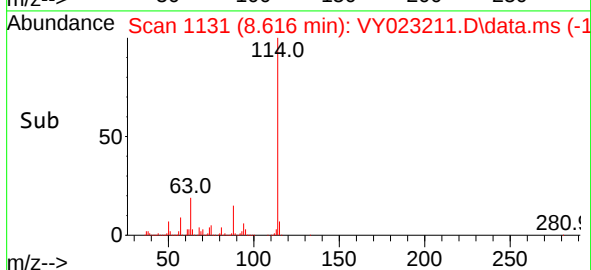
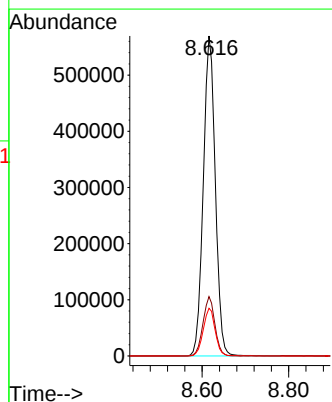
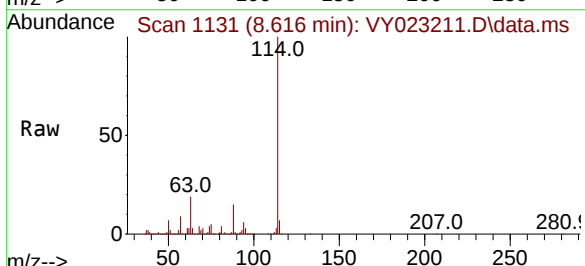
Tgt Ion:114 Resp: 1095396

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

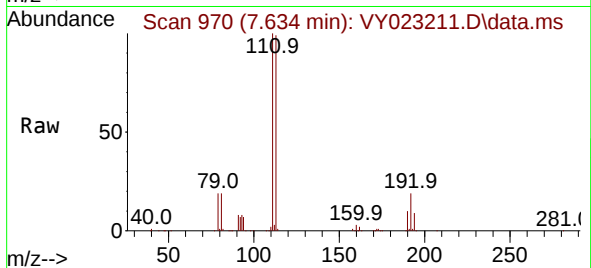
88 14.9 0.0 30.0



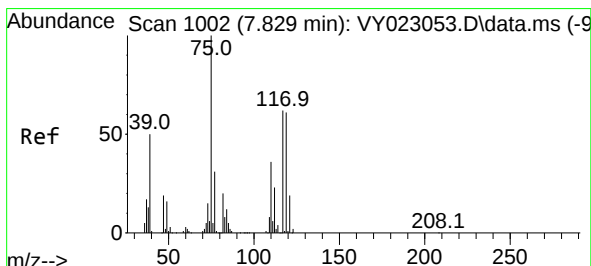
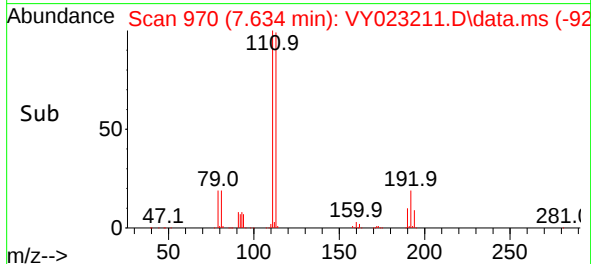
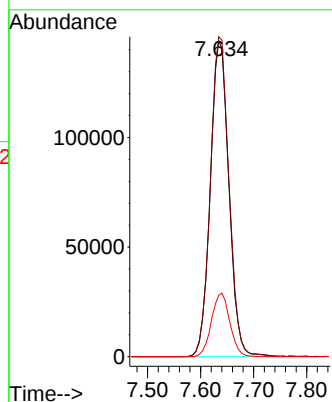


#35
Dibromofluoromethane
Concen: 53.350 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_Y
ClientSampleId :

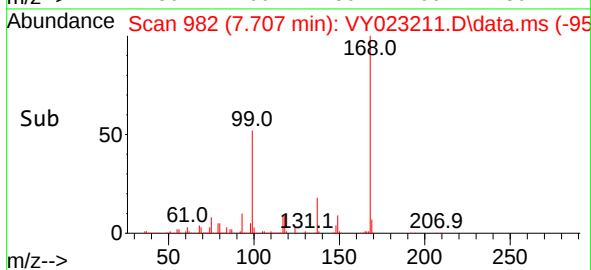
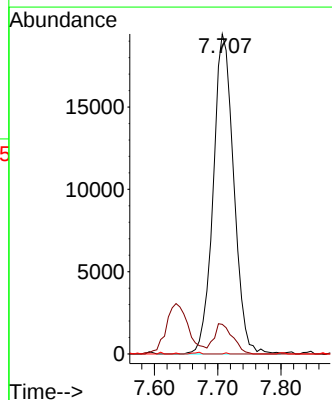
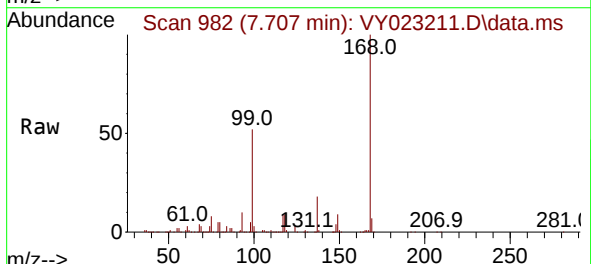


Tgt Ion:113 Resp: 349683
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.496 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

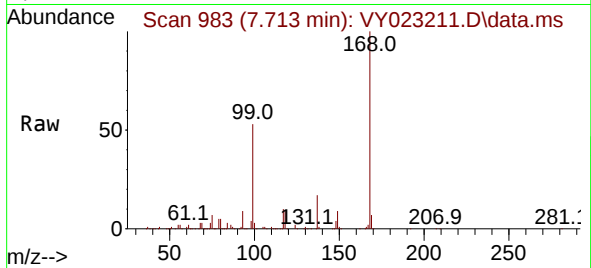
Tgt Ion: 75 Resp: 43791
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.1 24.6 37.0#



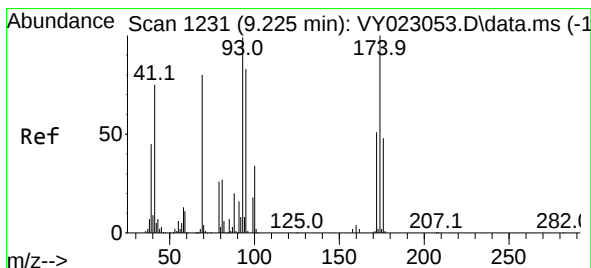
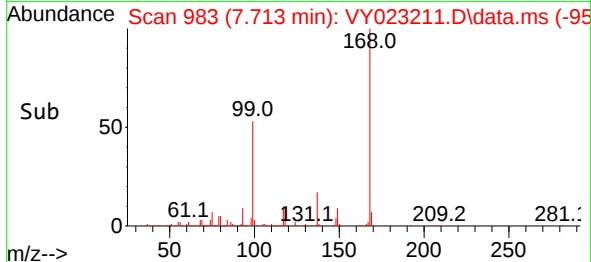
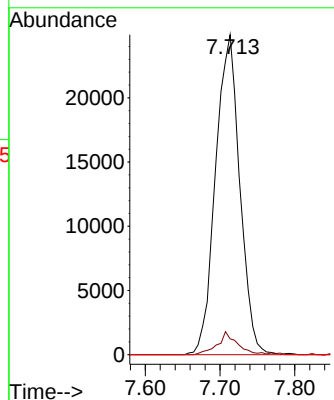


#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_Y
ClientSampleId :

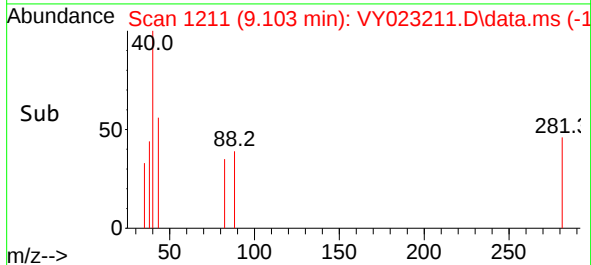
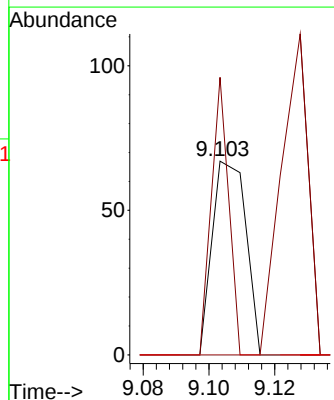
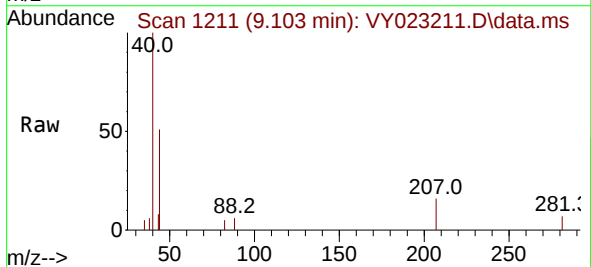


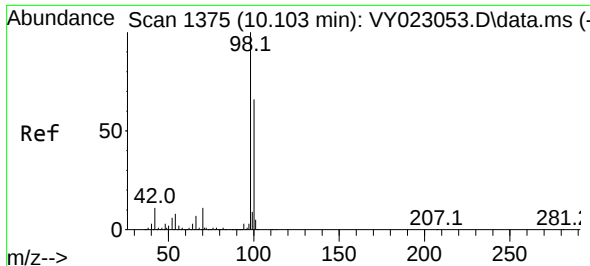
Tgt Ion: 117 Resp: 56263
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.032 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.122 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 72.9 24.3 36.5#
58 0.0 55.4 83.0#

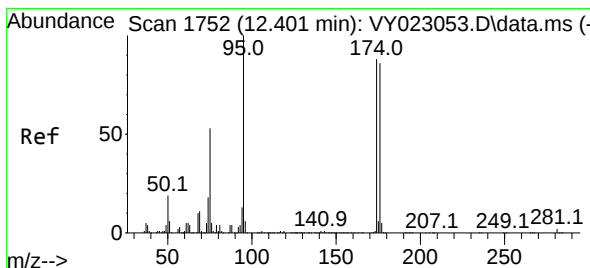
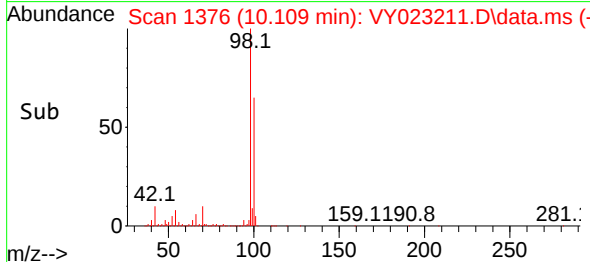
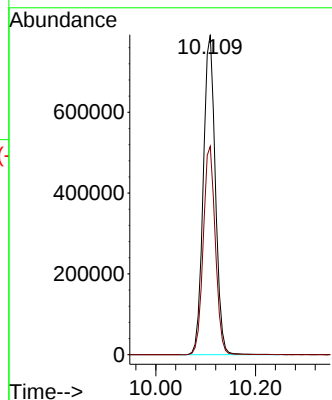
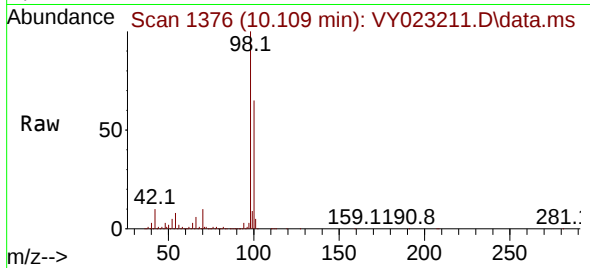




#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

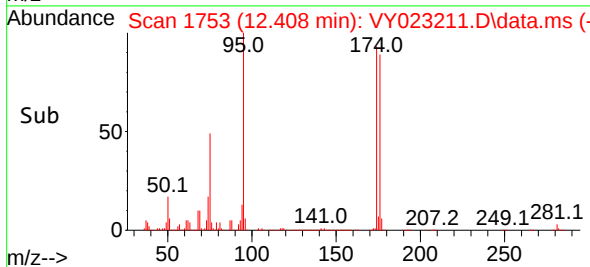
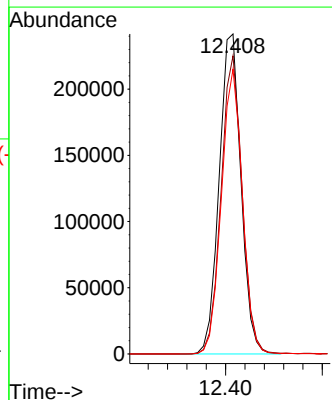
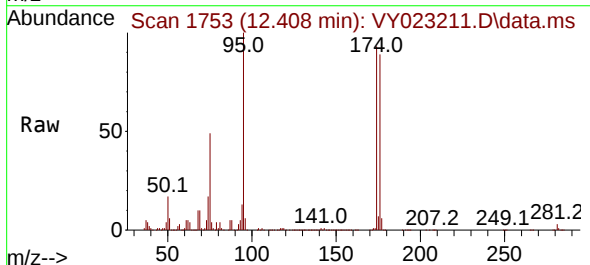
Instrument :
MSVOA_Y
ClientSampleId :

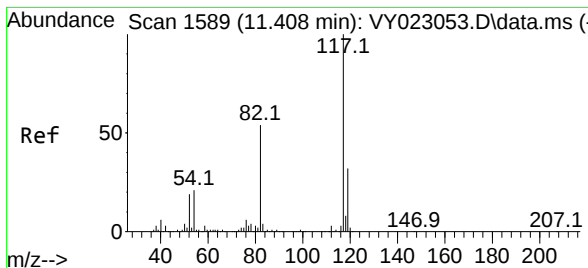
Tgt Ion: 98 Resp: 1327425
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 95 Resp: 377096
Ion Ratio Lower Upper
95 100
174 90.2 0.0 171.6
176 86.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

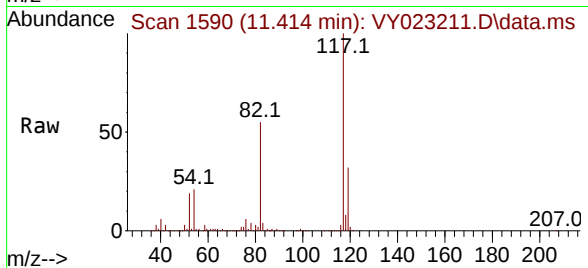
Lab File: VY023211.D

Acq: 25 Aug 2025 16:04

Instrument :

MSVOA_Y

ClientSampleId :



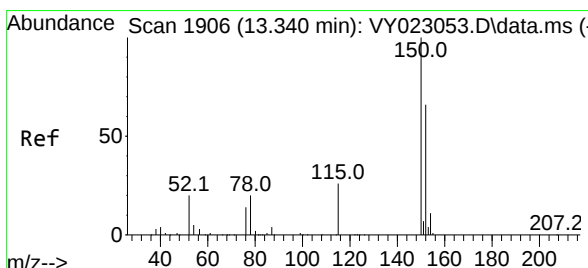
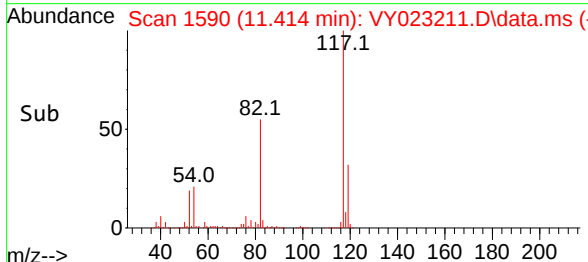
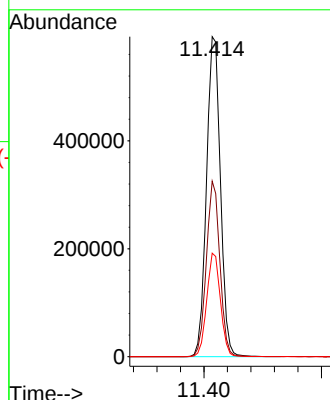
Tgt Ion:117 Resp: 977233

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 32.3 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: VY023211.D

Acq: 25 Aug 2025 16:04

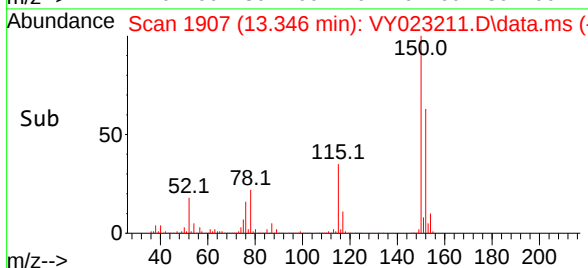
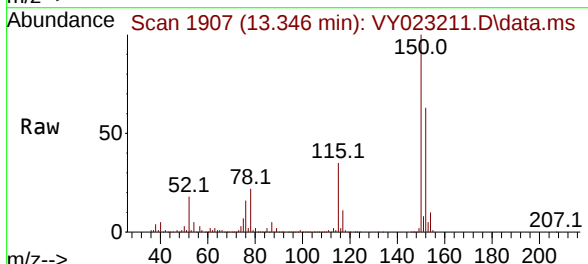
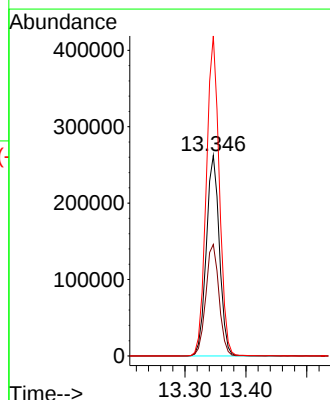
Tgt Ion:152 Resp: 392322

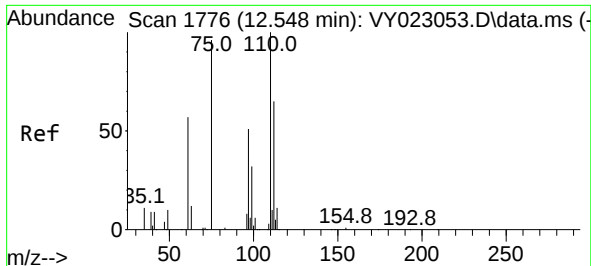
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.6

150 158.1 0.0 348.0

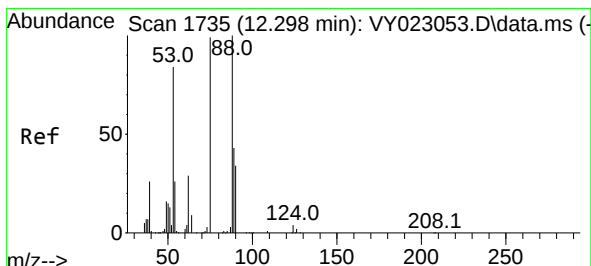
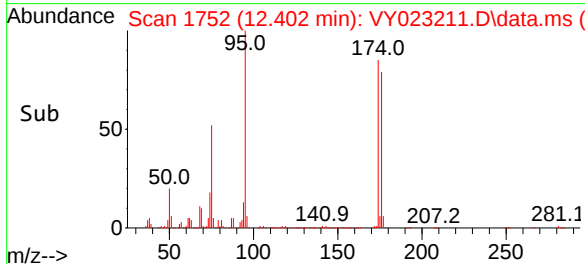
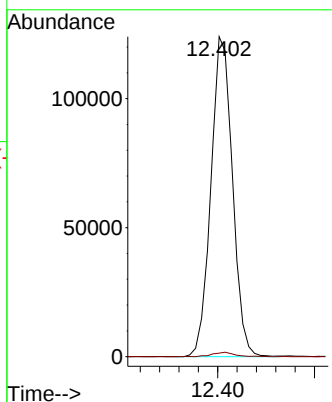
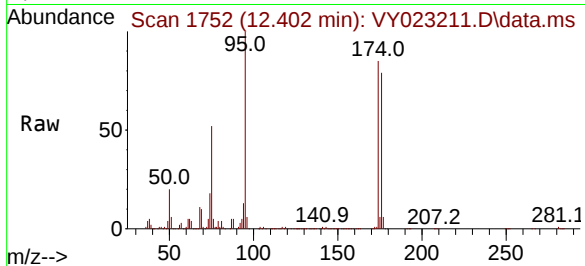




#76
1,2,3-Trichloropropane
Concen: 50.651 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 191780
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.609 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023211.D
Acq: 25 Aug 2025 16:04

Tgt Ion: 75 Resp: 191780
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

