

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023209.D
 Acq On : 25 Aug 2025 15:17
 Operator : SY/MD
 Sample : Q2954-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:50:23 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)

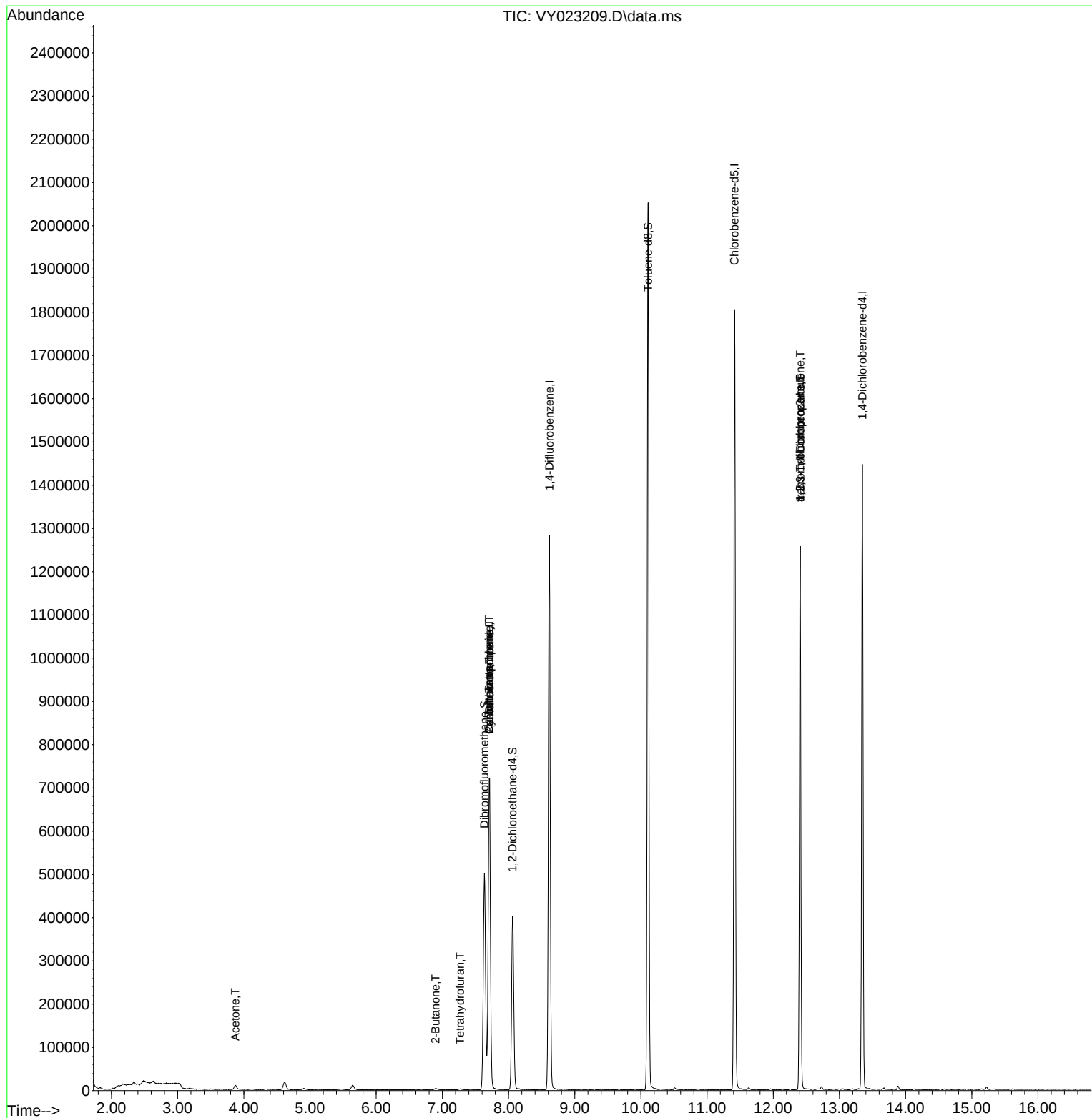
Internal Standards						
1) Pentafluorobenzene	7.713	168	584083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1117666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	978624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	368244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	321570	57.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.540%
35) Dibromofluoromethane	7.634	113	360956	53.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.940%
50) Toluene-d8	10.109	98	1343902	51.439	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.880%
62) 4-Bromofluorobenzene	12.408	95	372711	44.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.720%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	17756	14.723	ug/l	95
20) Methylene Chloride	4.616	84	13419	Below Cal		91
25) 2-Butanone	6.896	43	4295	2.619	ug/l #	82
29) Tetrahydrofuran	7.268	42	1877	1.846	ug/l	96
31) Cyclohexane	7.707	56	11202	1.080	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	44084	4.435	ug/l #	49
38) Carbon Tetrachloride	7.707	117	56305	5.216	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	190538	53.613	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	190538	129.780	ug/l #	14

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

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Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 25 23:50:23 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

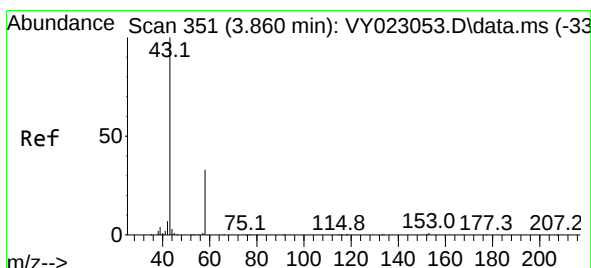
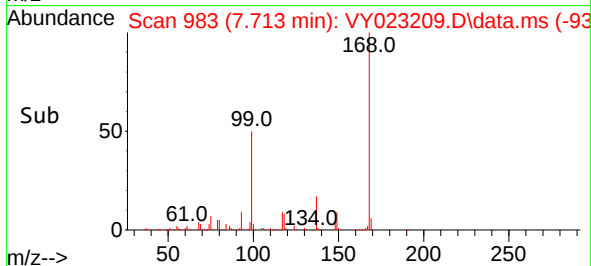
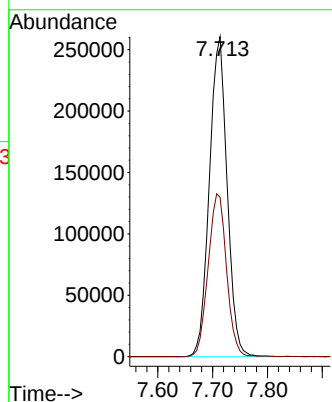
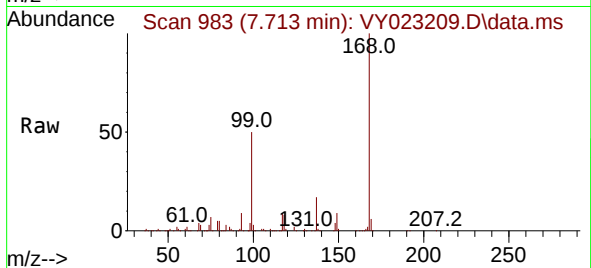




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

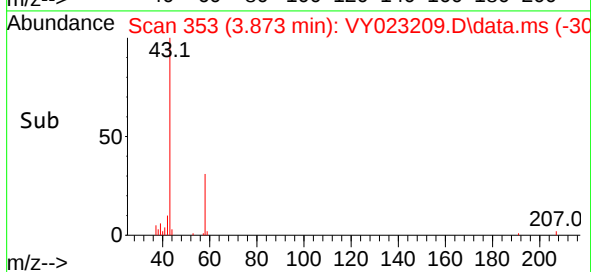
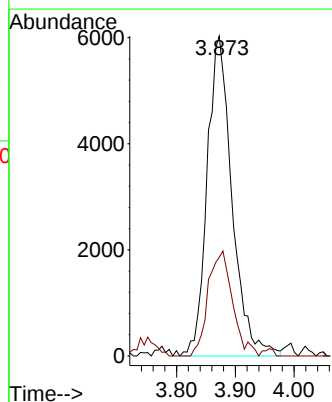
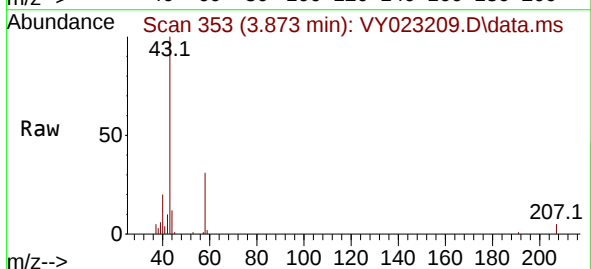
Instrument :
MSVOA_Y
ClientSampleId :

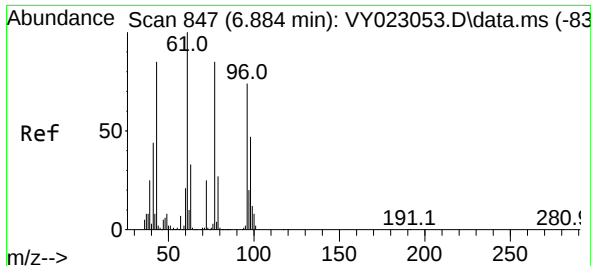
Tgt Ion:168 Resp: 584083
Ion Ratio Lower Upper
168 100
99 49.9 42.8 64.2



#16
Acetone
Concen: 14.723 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

Tgt Ion: 43 Resp: 17756
Ion Ratio Lower Upper
43 100
58 30.8 27.1 40.7





#25

2-Butanone

Concen: 2.619 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY023209.D

Acq: 25 Aug 2025 15:17

Instrument :

MSVOA_Y

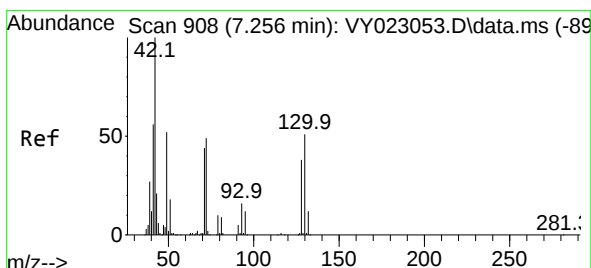
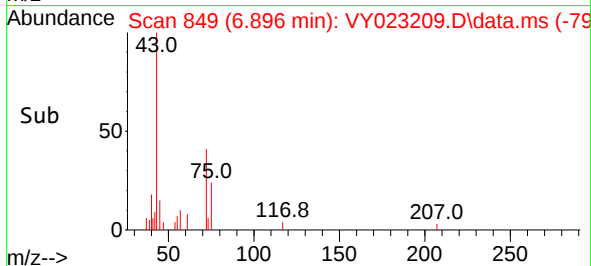
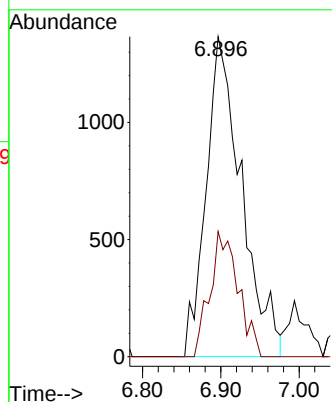
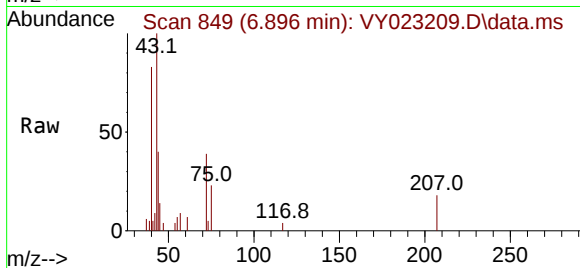
ClientSampleId :

Tgt Ion: 43 Resp: 4295

Ion Ratio Lower Upper

43 100

72 39.1 23.5 35.3#



#29

Tetrahydrofuran

Concen: 1.846 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY023209.D

Acq: 25 Aug 2025 15:17

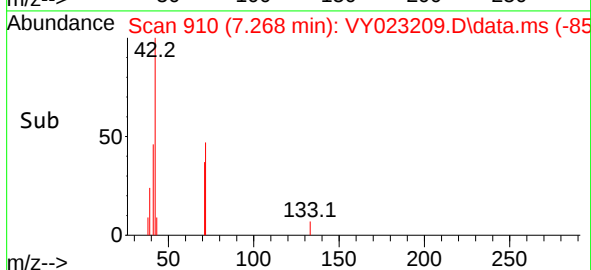
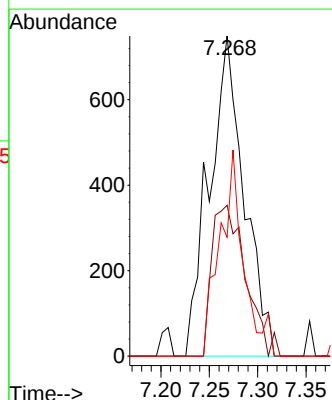
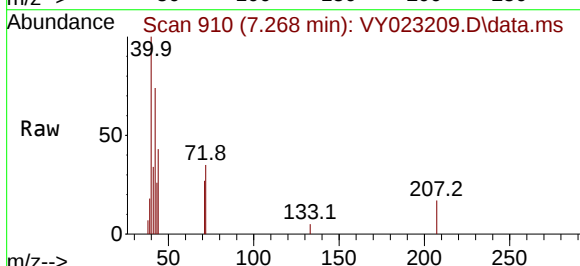
Tgt Ion: 42 Resp: 1877

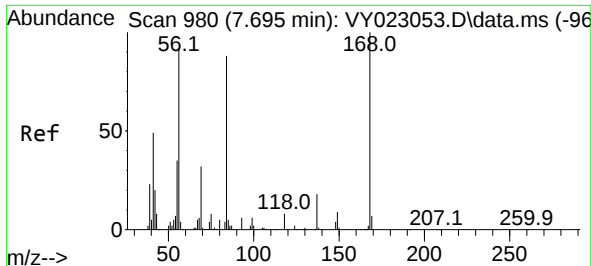
Ion Ratio Lower Upper

42 100

72 45.7 39.4 59.2

71 43.9 36.5 54.7

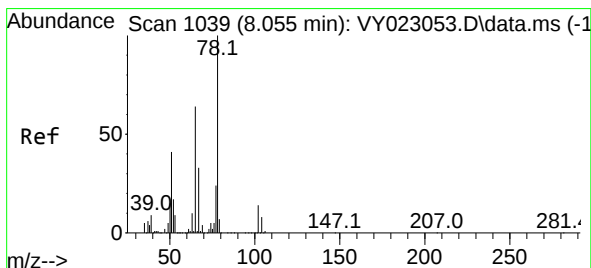
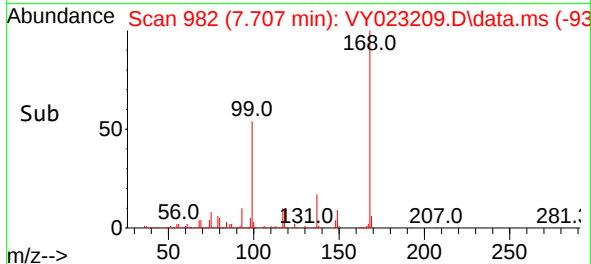
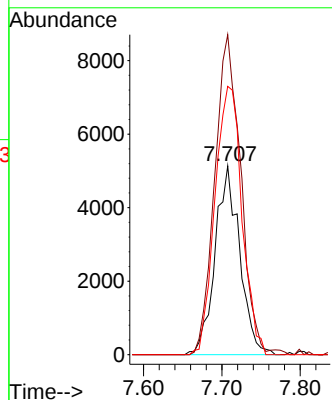
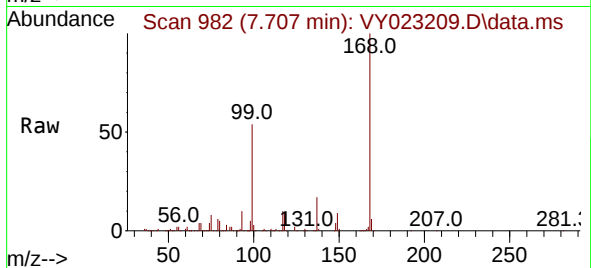




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

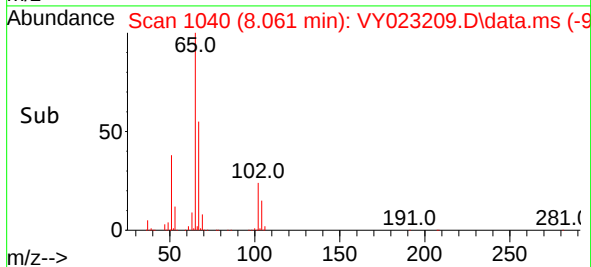
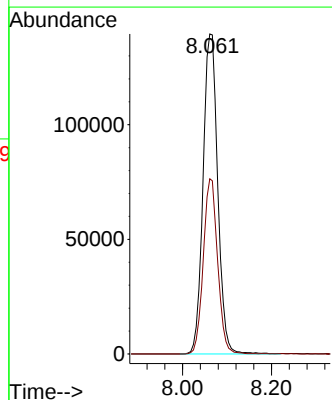
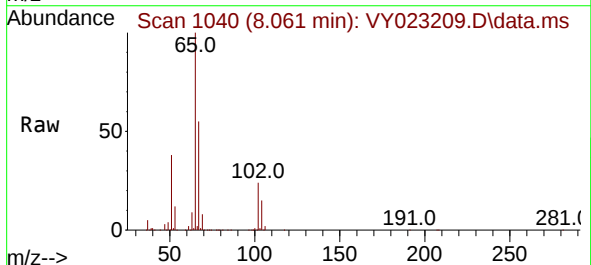
Instrument :
MSVOA_Y
ClientSampleId :

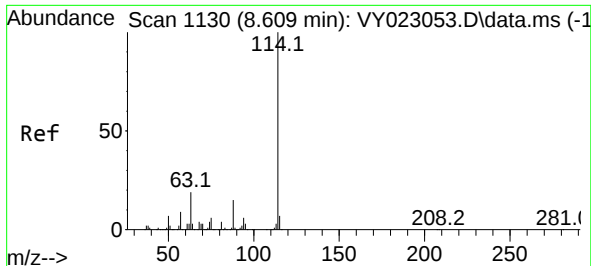
Tgt Ion: 56 Resp: 11202
Ion Ratio Lower Upper
56 100
69 169.5 28.2 42.2#
84 142.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 57.767 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

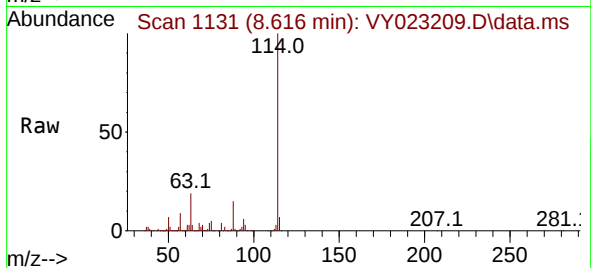
Tgt Ion: 65 Resp: 321570
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



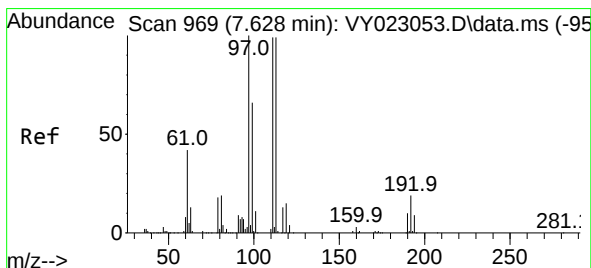
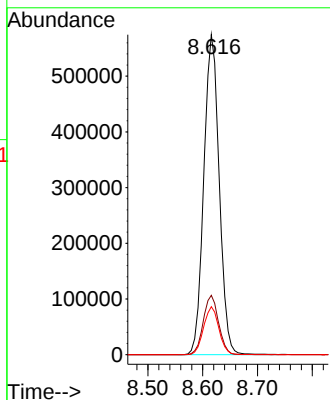
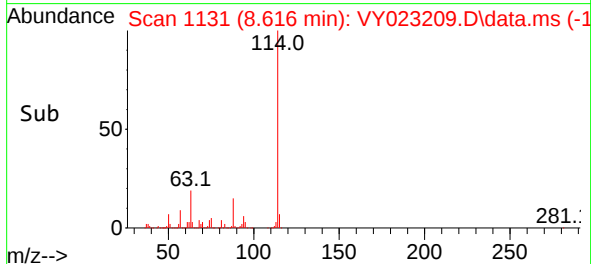


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

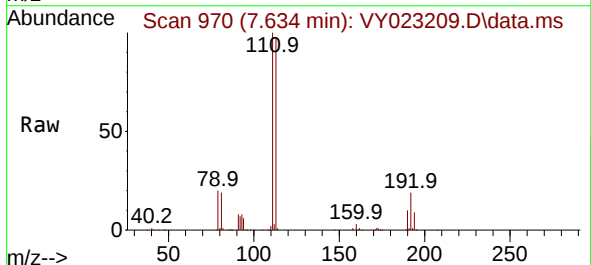
Instrument :
MSVOA_Y
ClientSampleId :



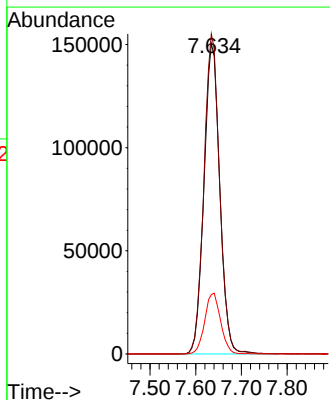
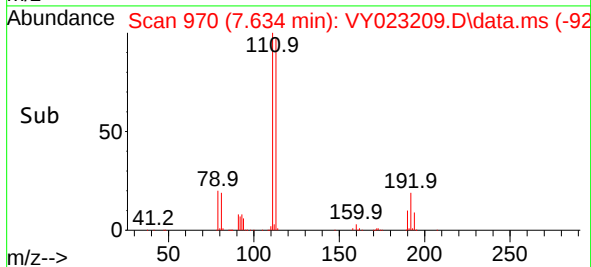
Tgt Ion:114 Resp: 1117666
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 15.0 0.0 30.0

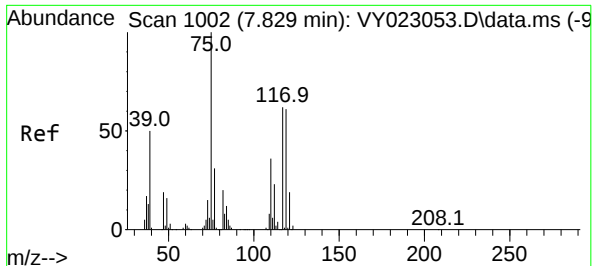


#35
Dibromofluoromethane
Concen: 53.973 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17



Tgt Ion:113 Resp: 360956
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 19.8 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.435 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023209.D

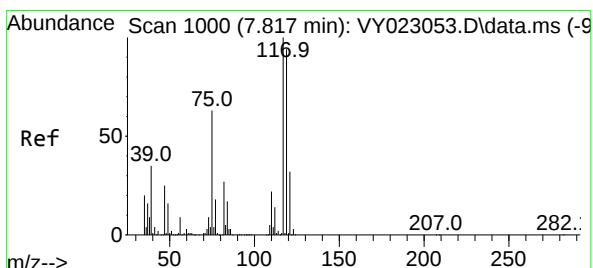
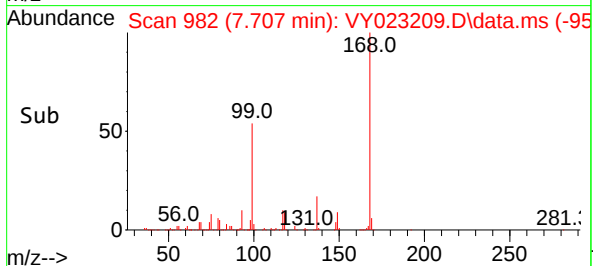
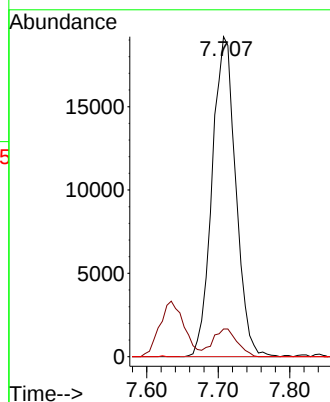
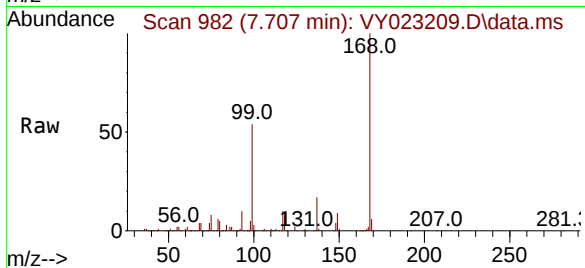
Acq: 25 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 44084
Ion Ratio	Lower Upper
75 100	
110 8.9	18.1 54.4#
77 0.0	24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.216 ug/l

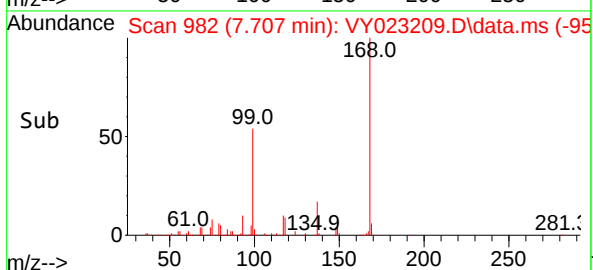
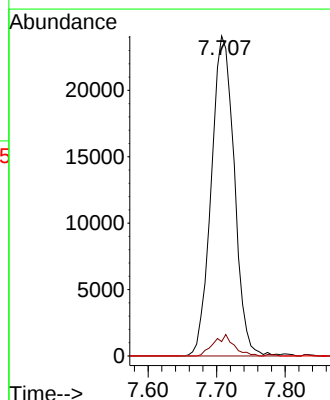
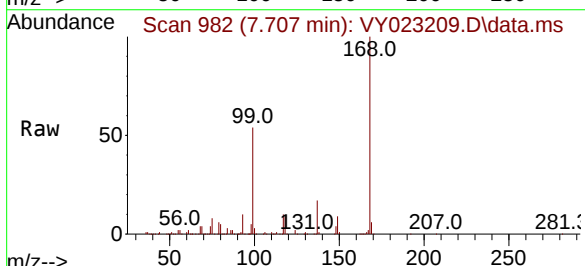
RT: 7.707 min Scan# 982

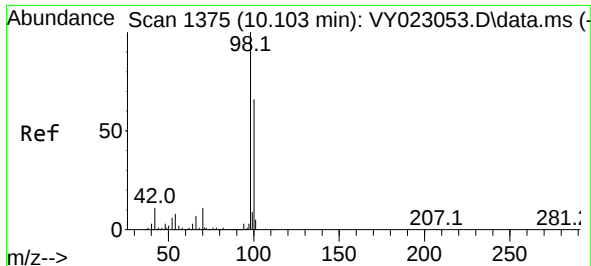
Delta R.T. -0.110 min

Lab File: VY023209.D

Acq: 25 Aug 2025 15:17

Tgt Ion: 117	Resp: 56305
Ion Ratio	Lower Upper
117 100	
119 4.5	75.6 113.4#
121 0.0	25.8 38.8#

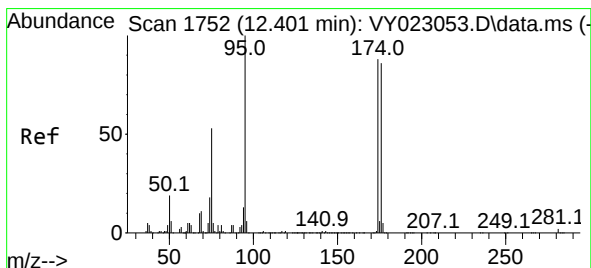
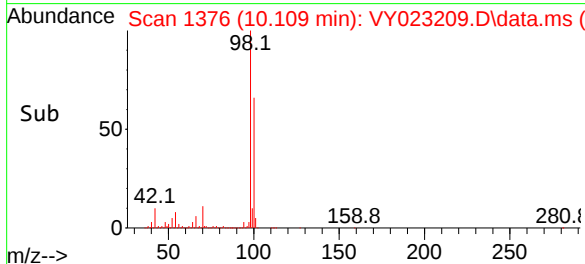
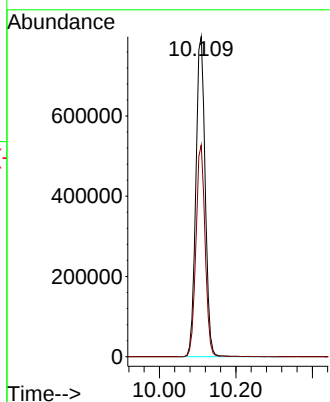
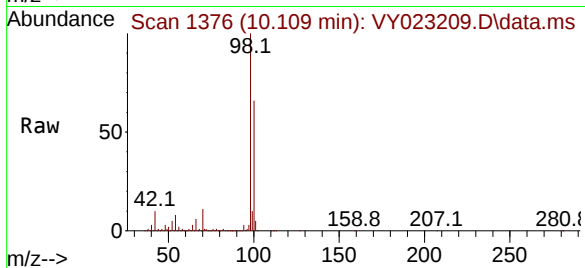




#50
Toluene-d8
Concen: 51.439 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

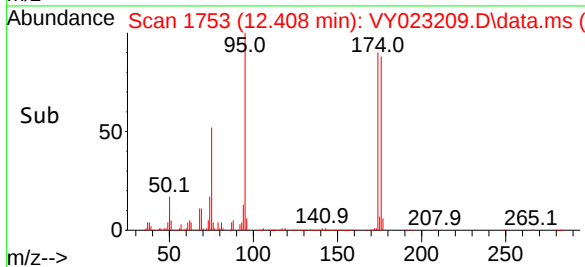
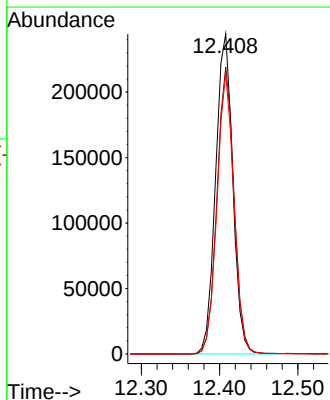
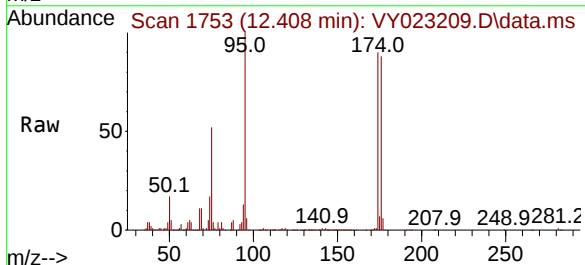
Instrument :
MSVOA_Y
ClientSampleId :

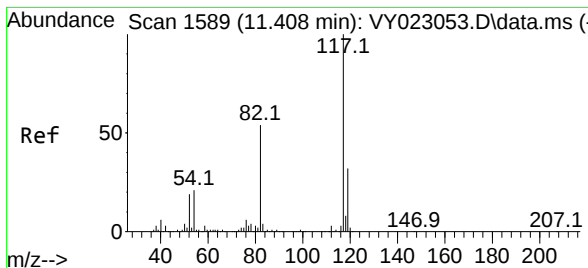
Tgt Ion: 98 Resp: 1343902
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 44.359 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

Tgt Ion: 95 Resp: 372711
Ion Ratio Lower Upper
95 100
174 89.7 0.0 171.6
176 86.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

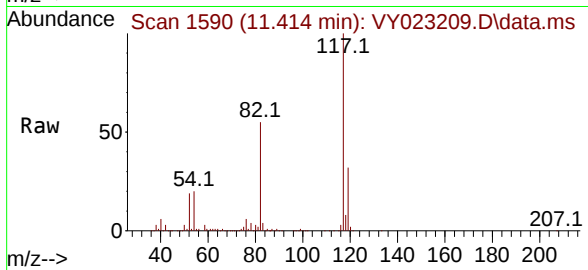
Lab File: VY023209.D

Acq: 25 Aug 2025 15:17

Instrument :

MSVOA_Y

ClientSampleId :



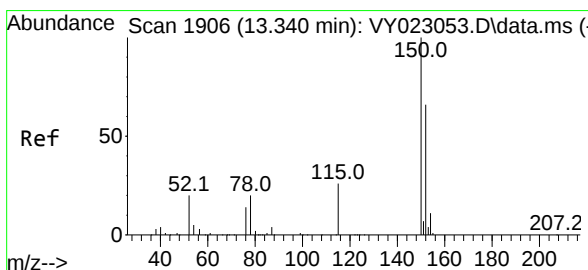
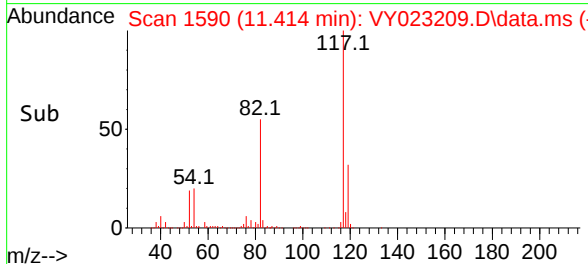
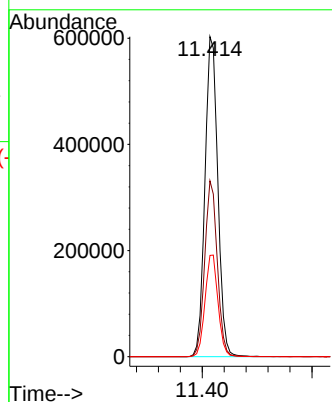
Tgt Ion:117 Resp: 978624

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023209.D

Acq: 25 Aug 2025 15:17

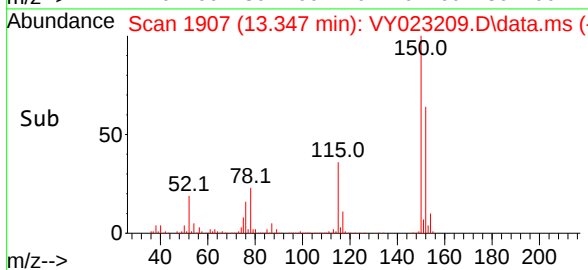
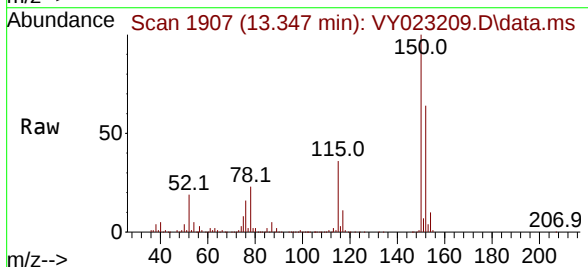
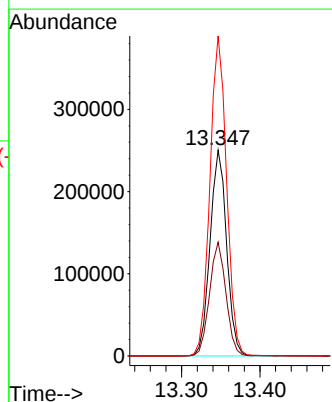
Tgt Ion:152 Resp: 368244

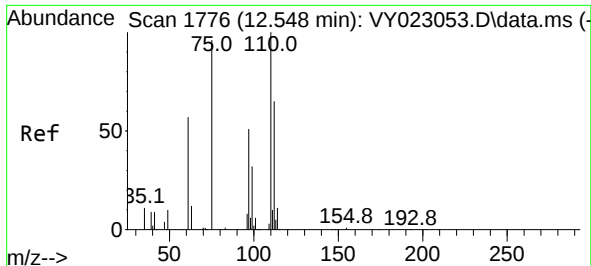
Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.6

150 156.1 0.0 348.0

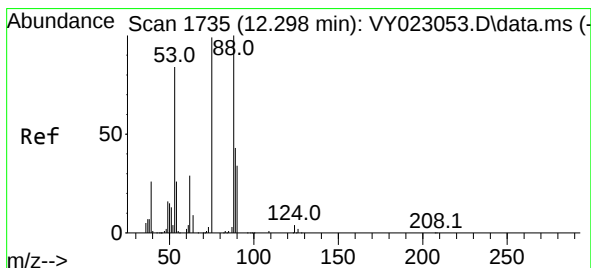
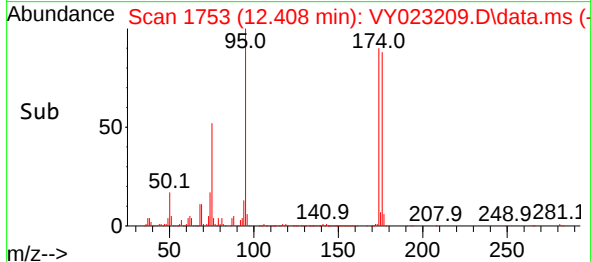
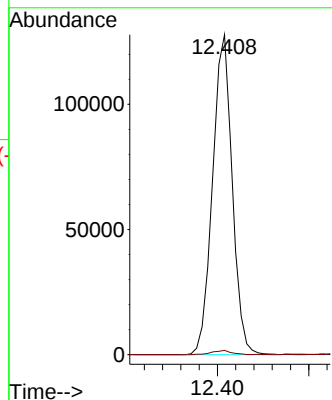
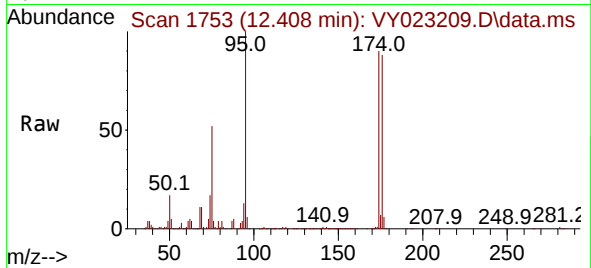




#76
1,2,3-Trichloropropane
Concen: 53.613 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.140 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 190538
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.780 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023209.D
Acq: 25 Aug 2025 15:17

Tgt Ion: 75 Resp: 190538
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

