

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023624.D
 Acq On : 30 Oct 2025 11:53
 Operator : SY/MD
 Sample : Q3486-01
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:37:16 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)

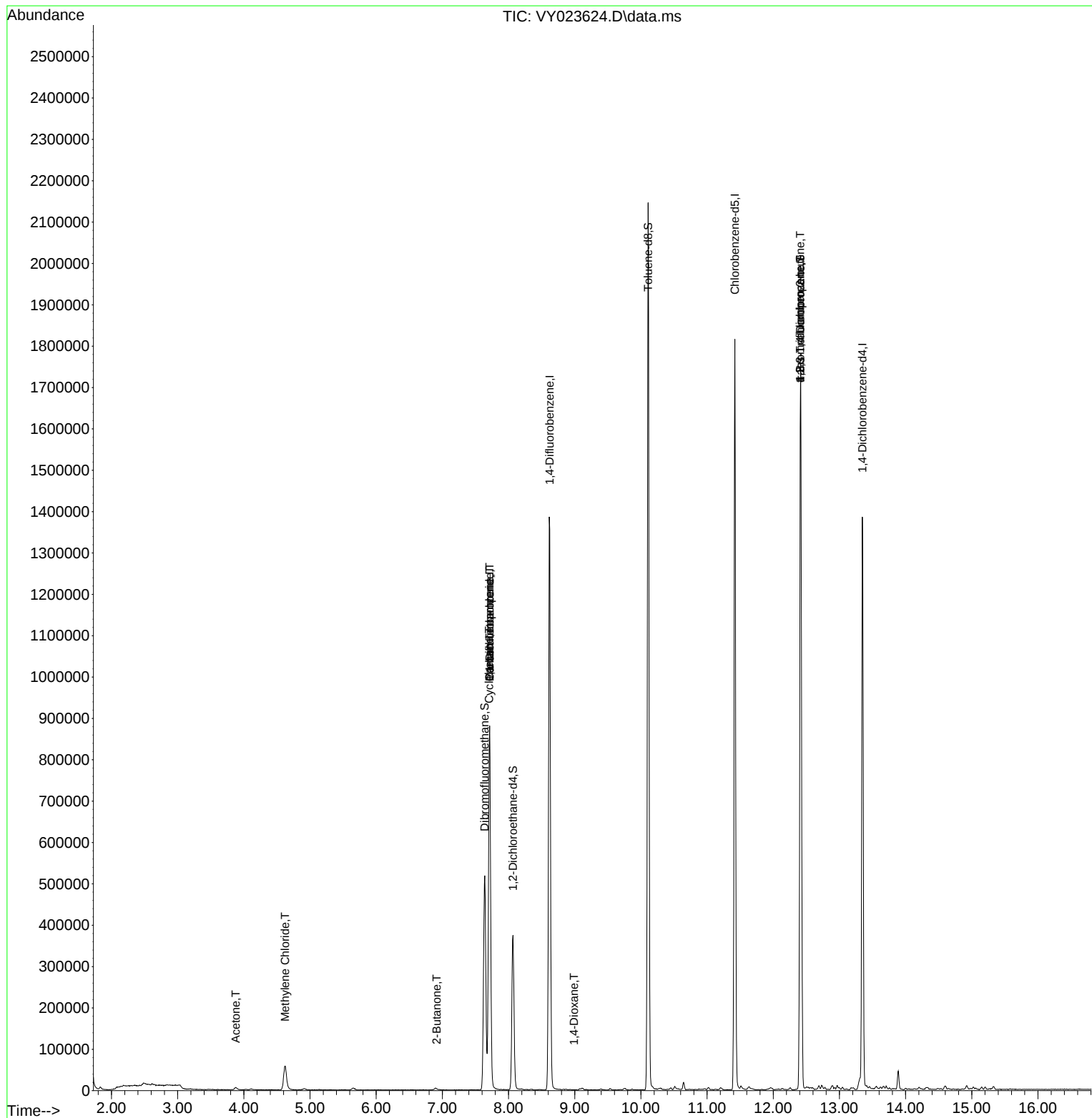
Internal Standards						
1) Pentafluorobenzene	7.713	168	730570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1248092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	997292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	374727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	295297	48.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.680%
35) Dibromofluoromethane	7.640	113	379240	49.451	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.900%
50) Toluene-d8	10.109	98	1402224	49.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.200%
62) 4-Bromofluorobenzene	12.408	95	369288	39.165	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.340%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	8961	6.161	ug/l	94
20) Methylene Chloride	4.622	84	46945	5.969	ug/l	95
25) 2-Butanone	6.915	43	2118	1.193	ug/l	93
31) Cyclohexane	7.707	56	12797	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	49778	4.903	ug/l #	48
38) Carbon Tetrachloride	7.713	117	68158	5.536	ug/l #	17
49) 1,4-Dioxane	8.987	88	53	1.018	ug/l #	15
76) 1,2,3-Trichloropropane	12.408	75	187423	56.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	187423	139.015	ug/l #	15

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

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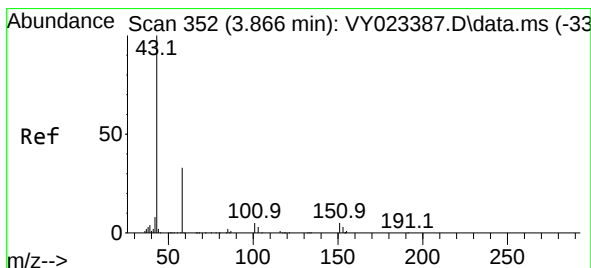
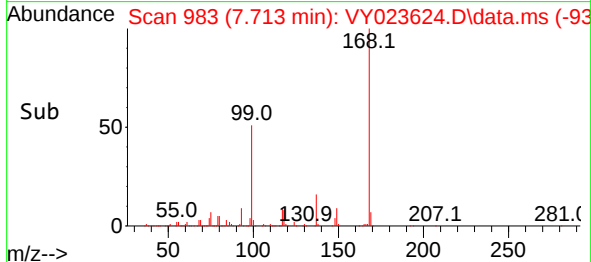
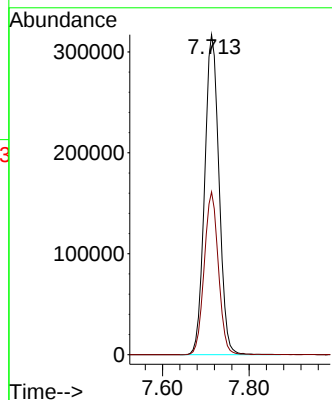
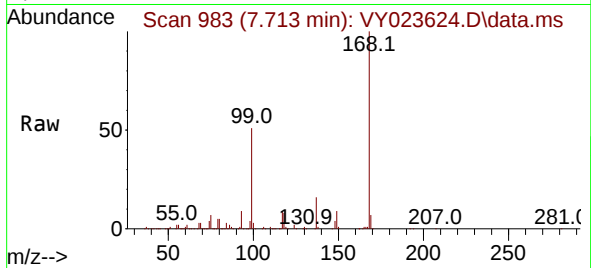




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

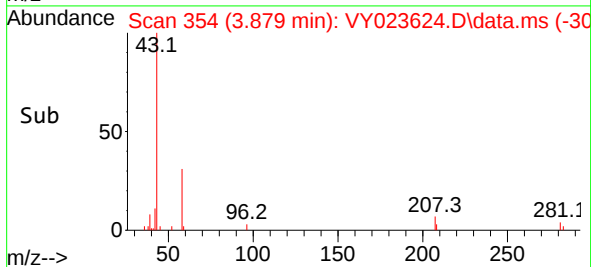
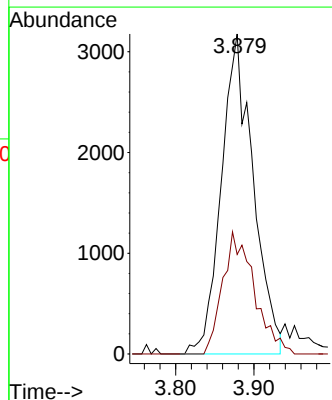
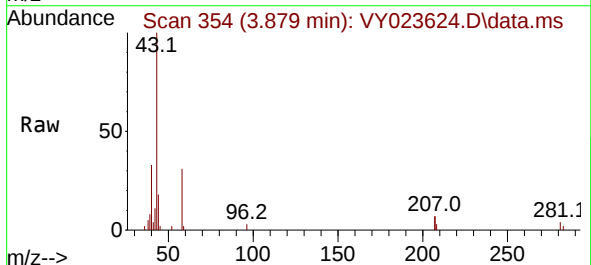
Instrument :
MSVOA_Y
ClientSampleId :

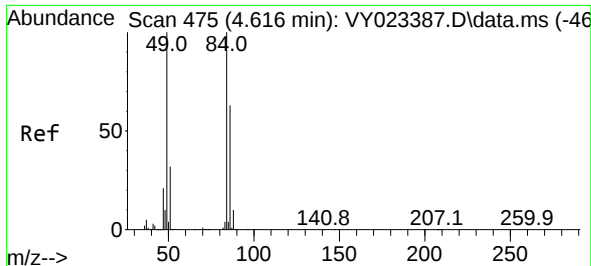
Tgt Ion:168 Resp: 730570
Ion Ratio Lower Upper
168 100
99 50.8 39.7 59.5



#16
Acetone
Concen: 6.161 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

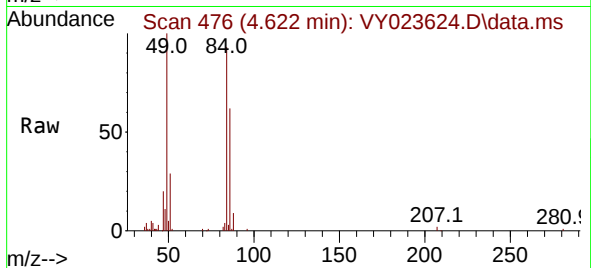
Tgt Ion: 43 Resp: 8961
Ion Ratio Lower Upper
43 100
58 31.1 27.7 41.5



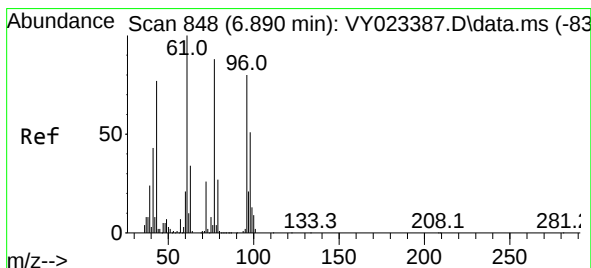
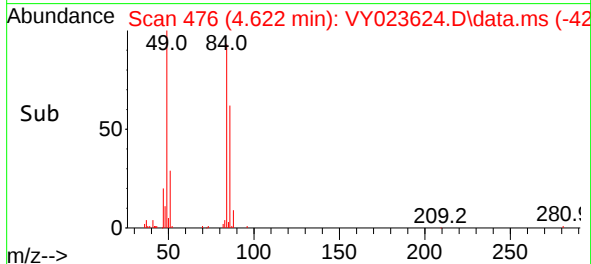
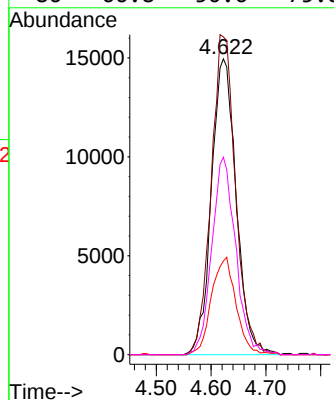


#20
Methylene Chloride
Concen: 5.969 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :

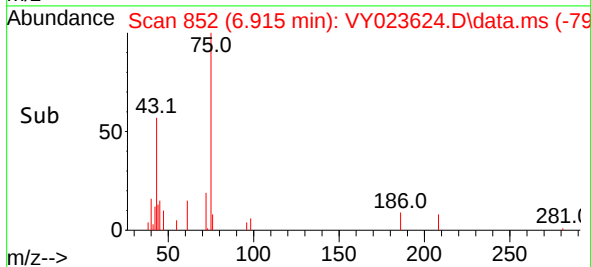
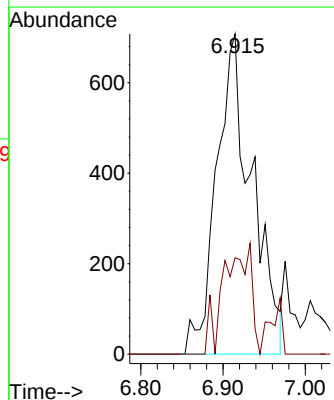
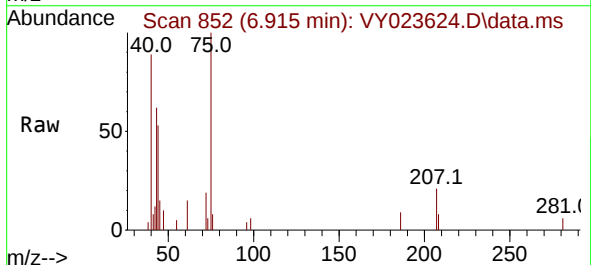


Tgt Ion:	84	Resp:	46945
Ion	Ratio	Lower	Upper
84	100		
49	107.4	80.2	120.4
51	31.6	25.9	38.9
86	66.8	50.6	75.8



#25
2-Butanone
Concen: 1.193 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.024 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

Tgt Ion:	43	Resp:	2118
Ion	Ratio	Lower	Upper
43	100		
72	30.1	27.4	41.2

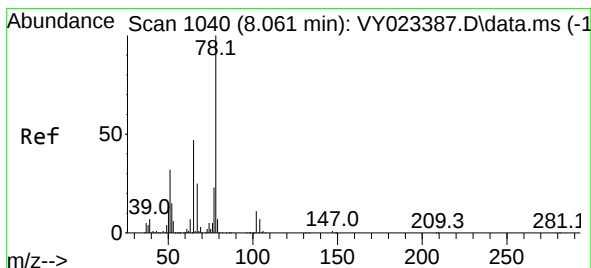
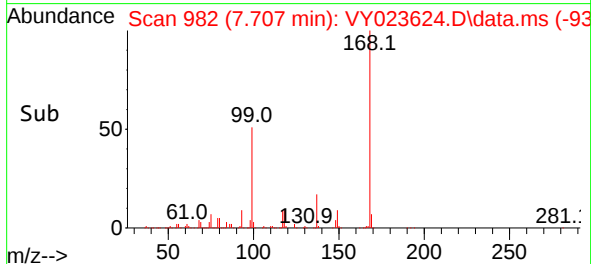
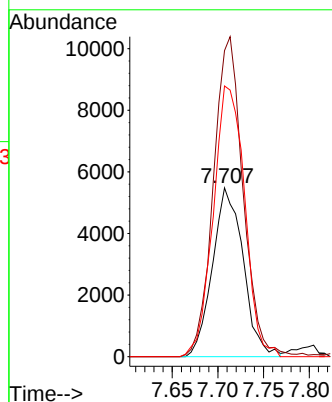
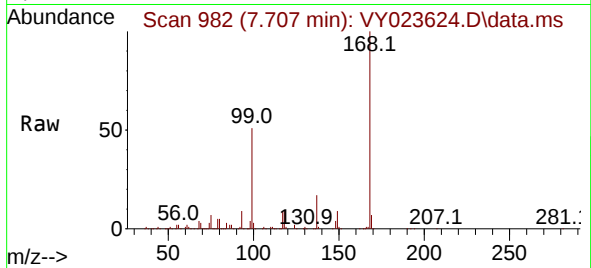




#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

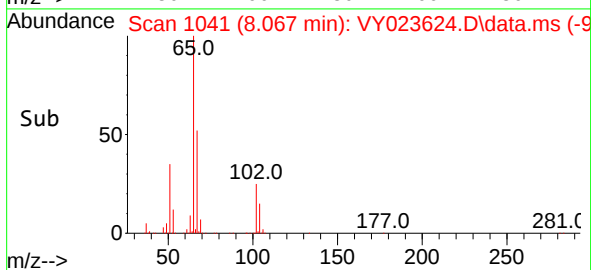
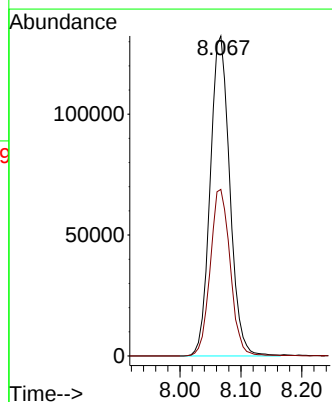
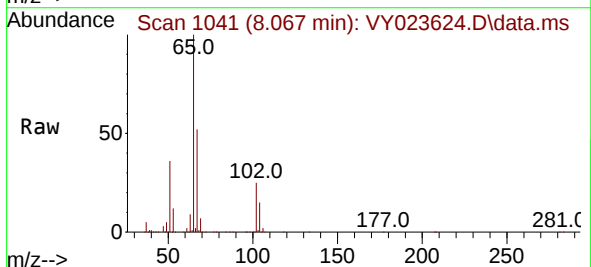
Instrument :
MSVOA_Y
ClientSampleId :

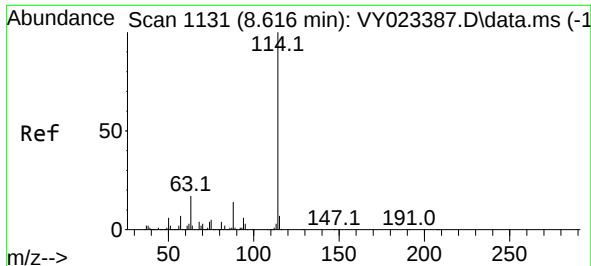
Tgt Ion: 56 Resp: 12797
Ion Ratio Lower Upper
56 100
69 181.4 30.0 45.0#
84 160.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 48.337 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

Tgt Ion: 65 Resp: 295297
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

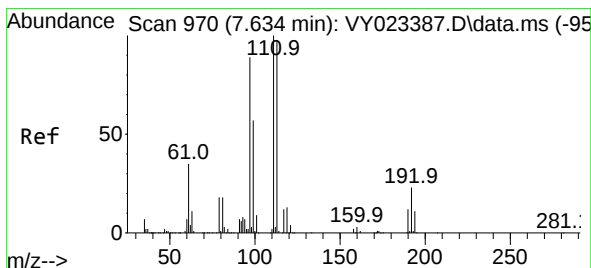
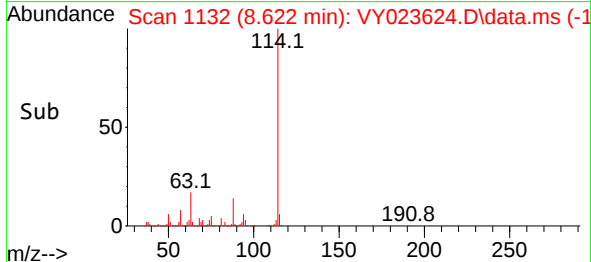
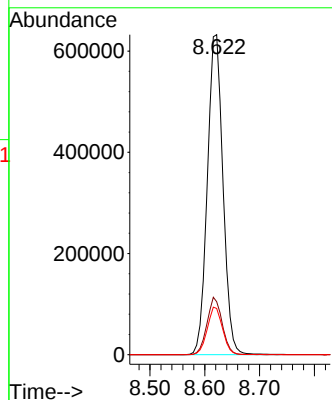
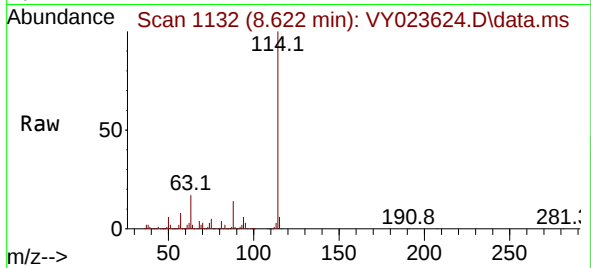




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

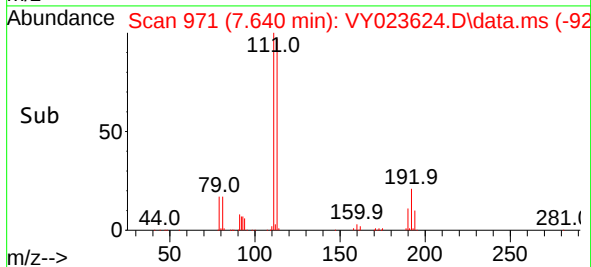
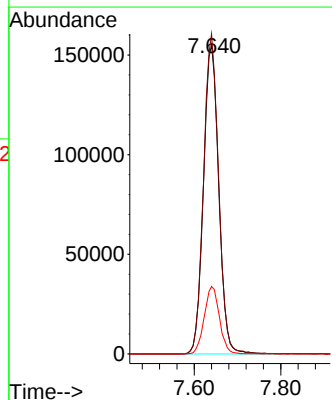
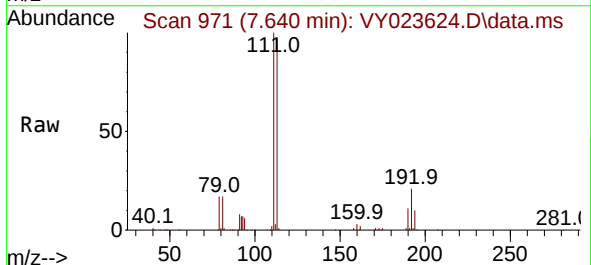
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:114 Resp: 1248092
Ion Ratio Lower Upper
114 100
63 16.5 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.451 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023624.D
Acq: 30 Oct 2025 11:53

Tgt Ion:113 Resp: 379240
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 21.7 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

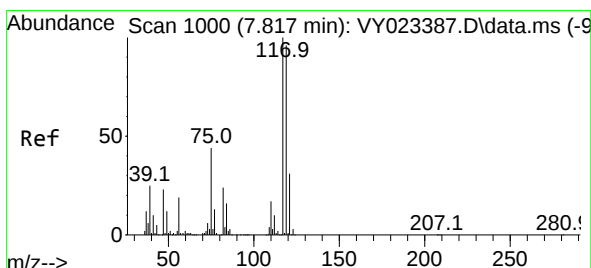
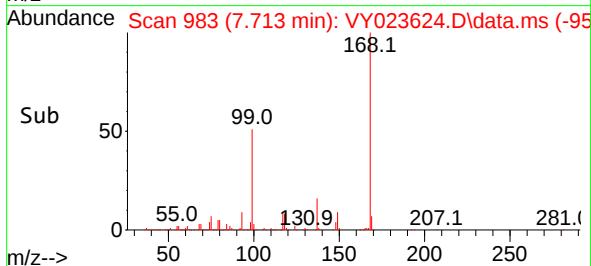
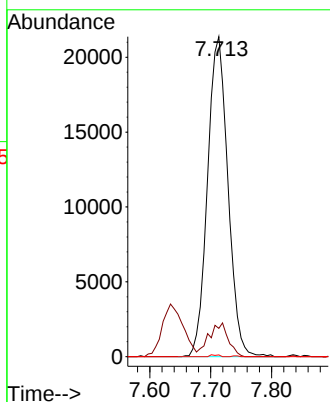
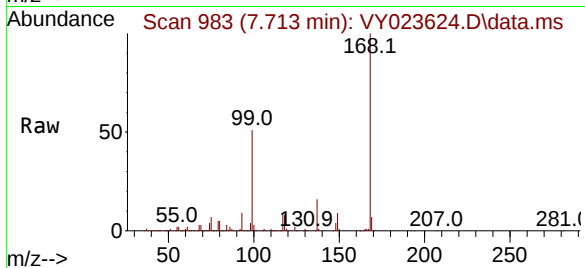
Tgt Ion: 75 Resp: 49778

Ion Ratio Lower Upper

75 100

110 10.0 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

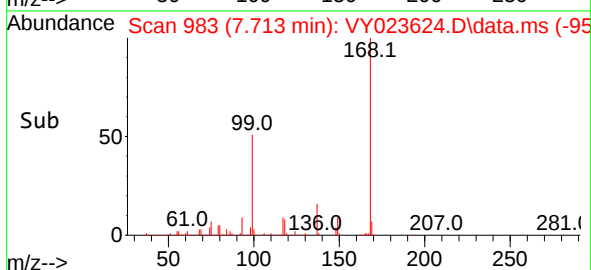
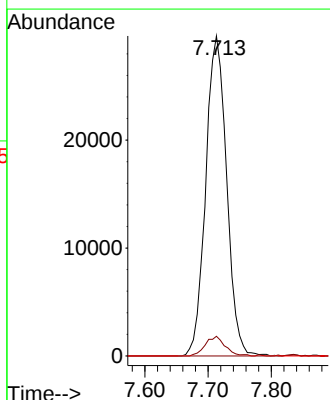
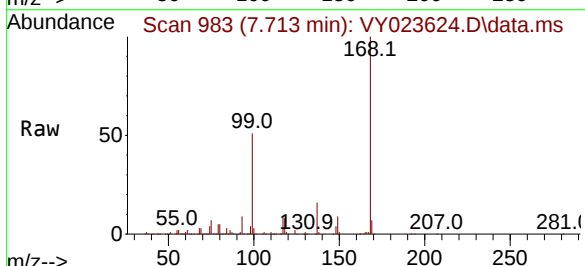
Tgt Ion: 117 Resp: 68158

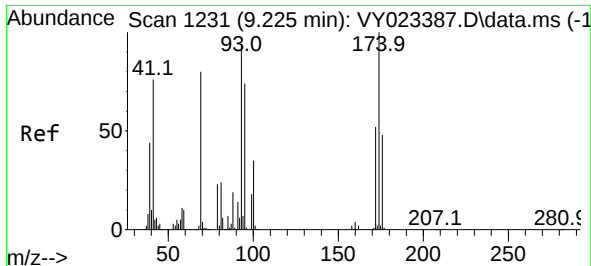
Ion Ratio Lower Upper

117 100

119 6.2 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.018 ug/l

RT: 8.987 min Scan# 1192

Delta R.T. -0.238 min

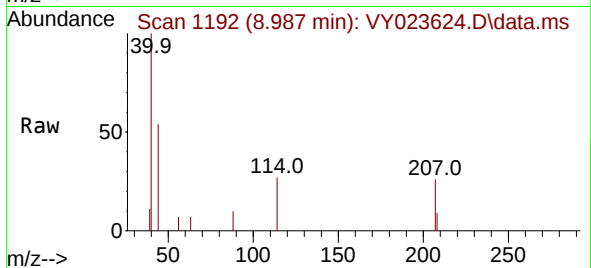
Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :



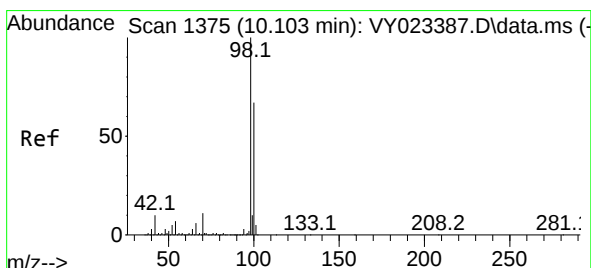
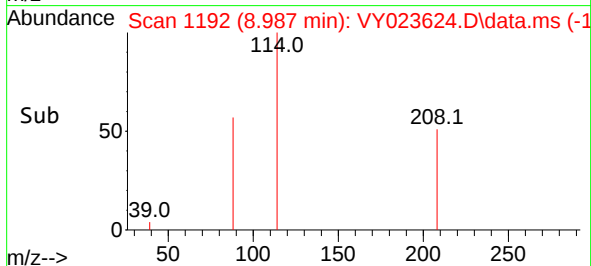
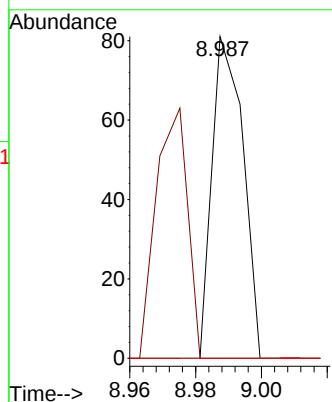
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 79.2 21.8 32.8#

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 49.098 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023624.D

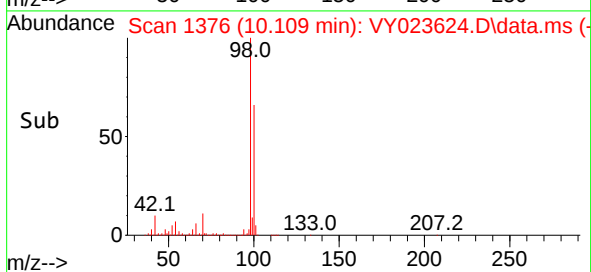
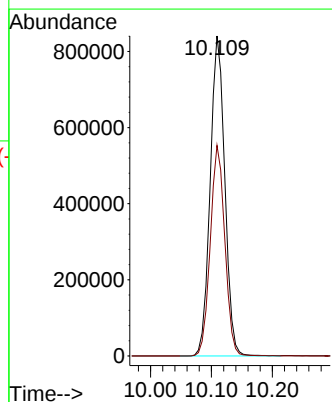
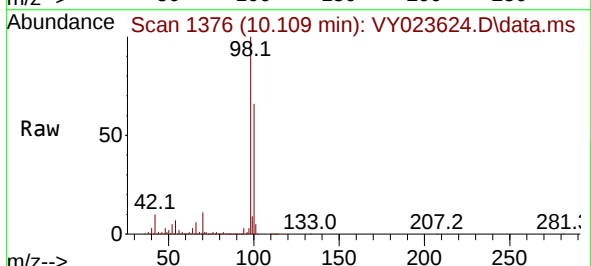
Acq: 30 Oct 2025 11:53

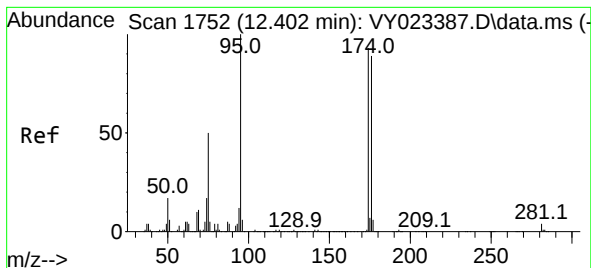
Tgt Ion: 98 Resp: 1402224

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 39.165 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

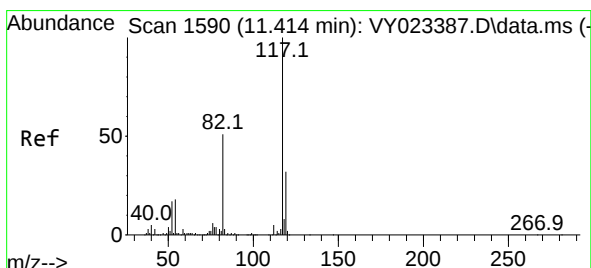
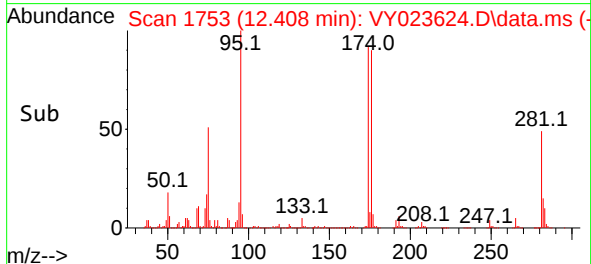
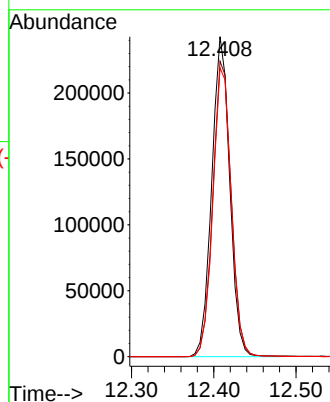
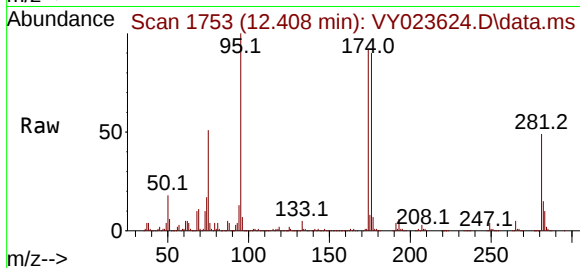
Tgt Ion: 95 Resp: 369288

Ion Ratio Lower Upper

95 100

174 94.4 0.0 192.8

176 92.2 0.0 187.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

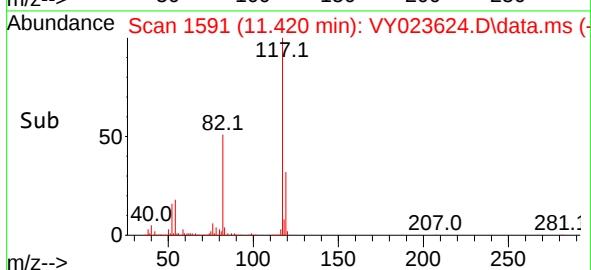
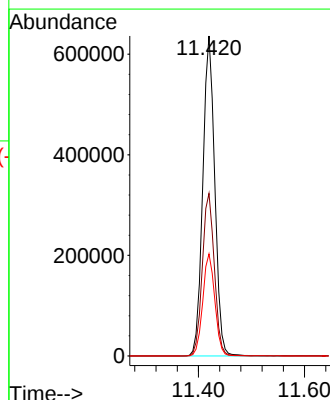
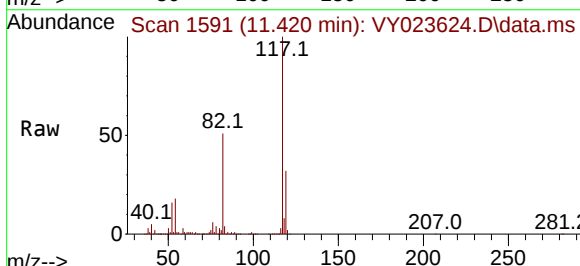
Tgt Ion: 117 Resp: 997292

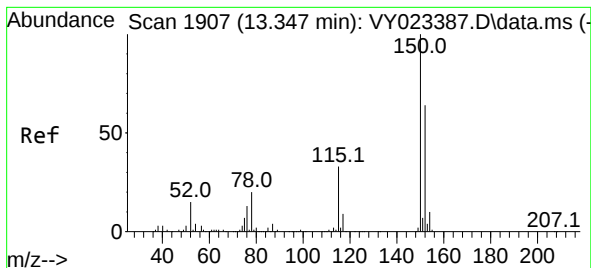
Ion Ratio Lower Upper

117 100

82 50.8 41.0 61.4

119 31.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023624.D

Acq: 30 Oct 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

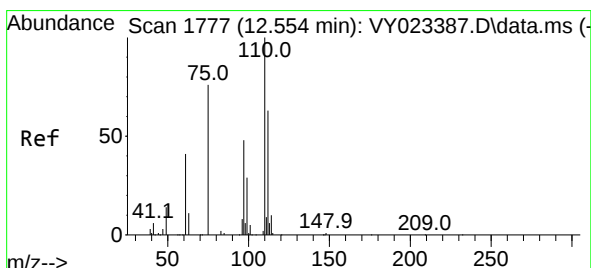
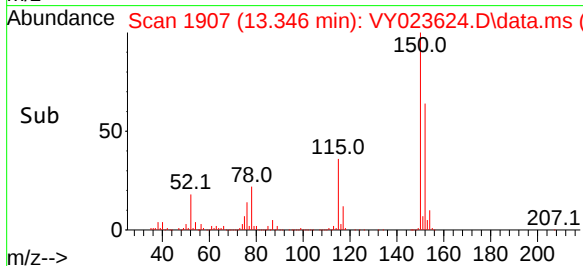
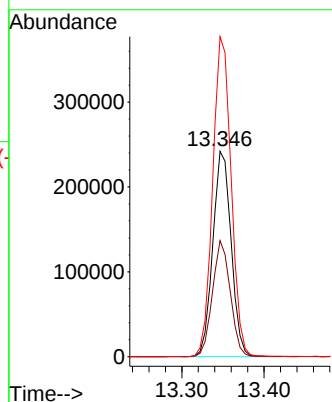
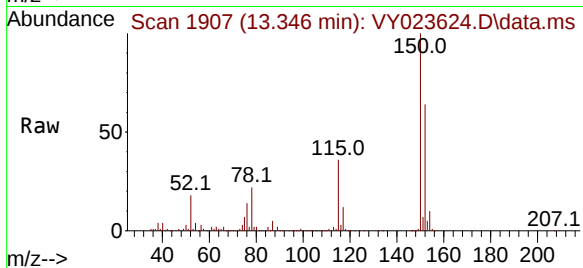
Tgt Ion:152 Resp: 374727

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

150 156.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 56.690 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023624.D

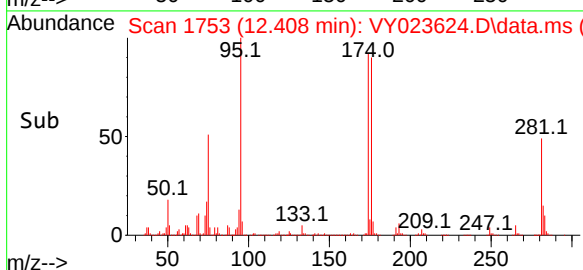
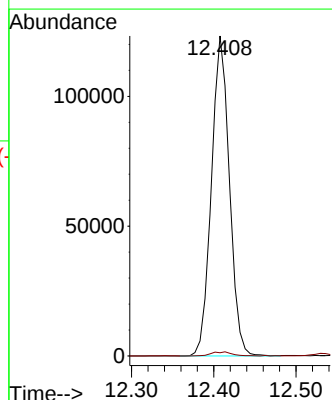
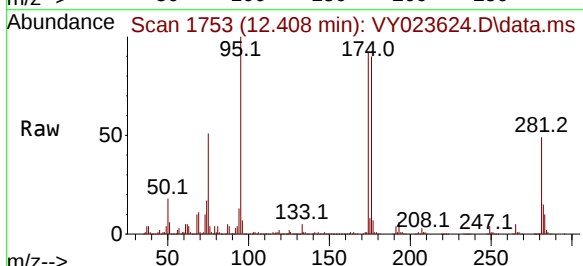
Acq: 30 Oct 2025 11:53

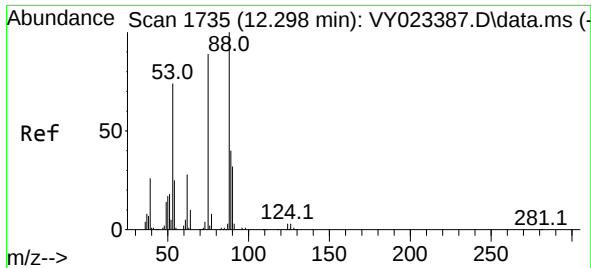
Tgt Ion: 75 Resp: 187423

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.015 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023624.D
 Acq: 30 Oct 2025 11:53

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 187423
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.9 39.0 58.4#

