

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023621.D
 Acq On : 30 Oct 2025 09:40
 Operator : SY/MD
 Sample : VY1030SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:34:56 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)

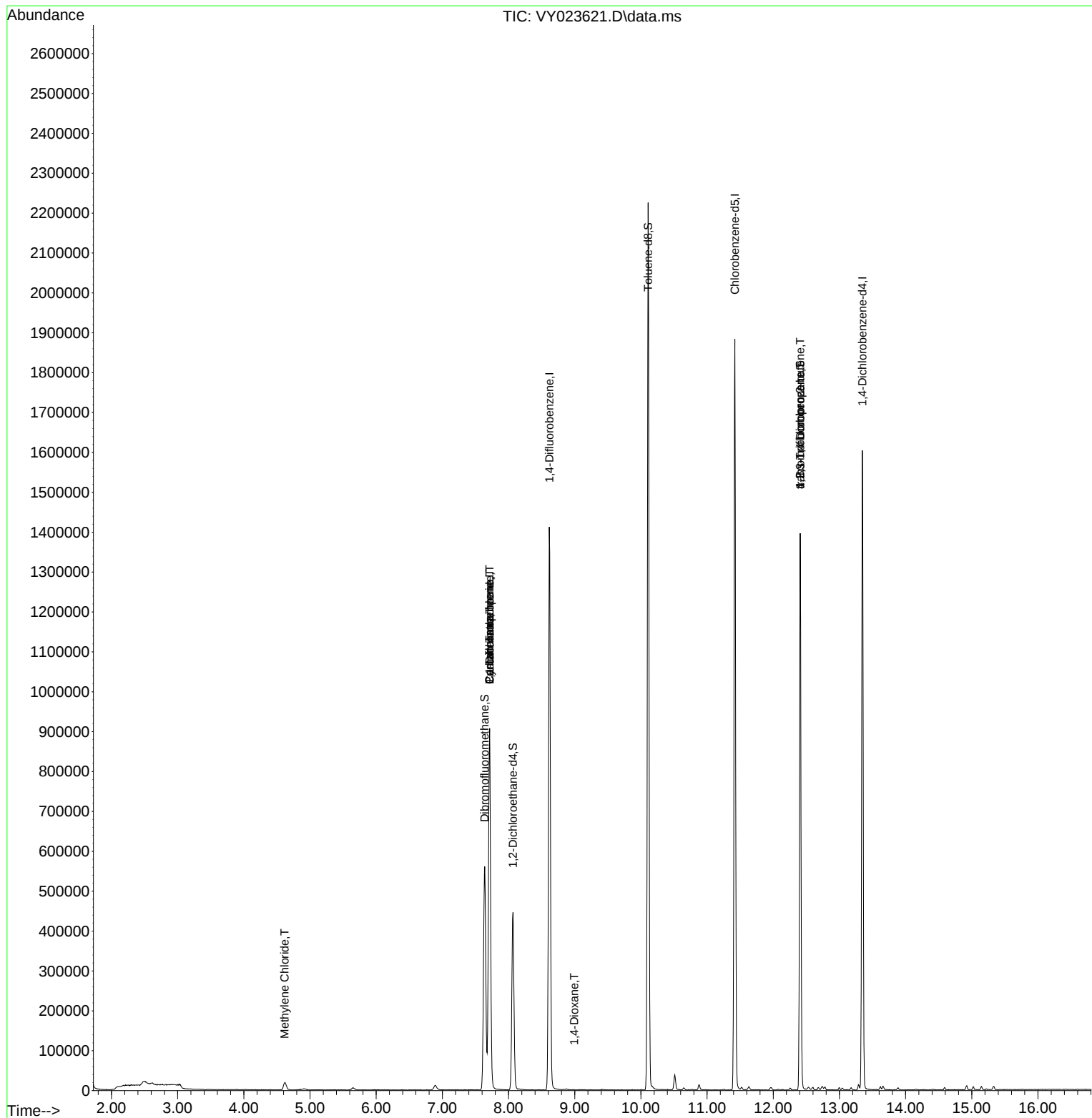
Internal Standards						
1) Pentafluorobenzene	7.713	168	742027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1269076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1061841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	422864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	346812	55.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.640	113	403238	51.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.420%
50) Toluene-d8	10.109	98	1439935	49.584	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.408	95	396962	41.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.800%
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	14565	1.823	ug/l	98
31) Cyclohexane	7.713	56	13063	1.266	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50815	4.922	ug/l #	46
38) Carbon Tetrachloride	7.713	117	68357	5.461	ug/l #	16
49) 1,4-Dioxane	8.994	88	67	1.266	ug/l #	45
76) 1,2,3-Trichloropropane	12.408	75	195409	52.377	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	195409	128.439	ug/l #	14

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

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QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

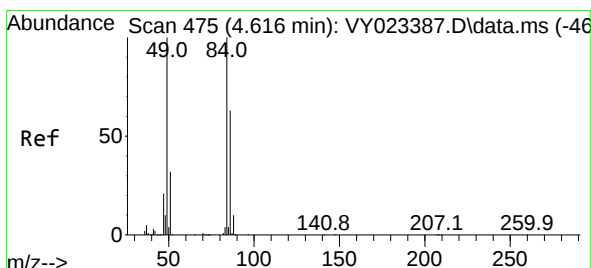
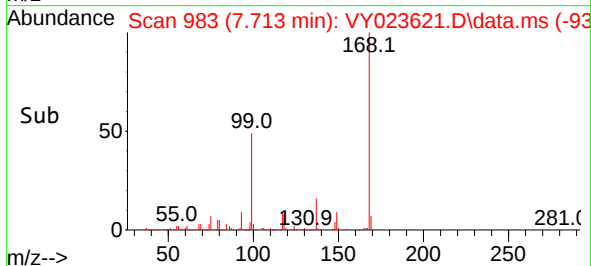
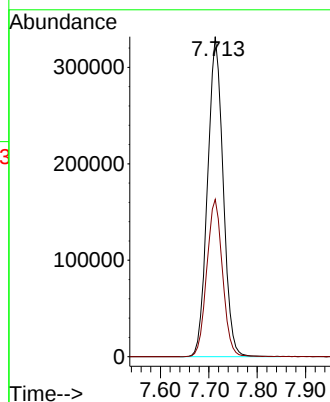
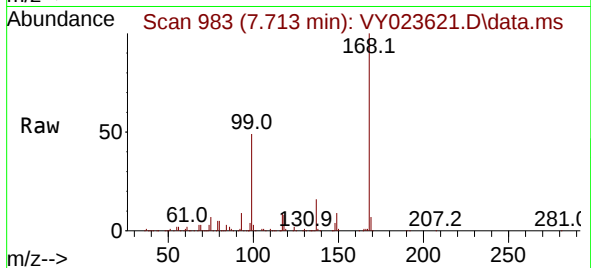




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

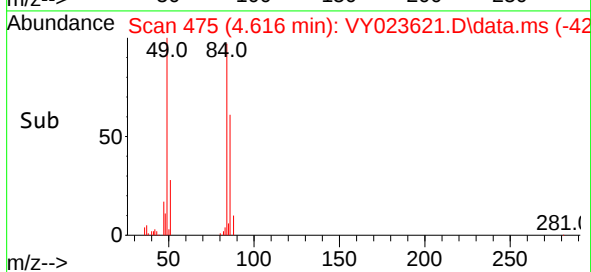
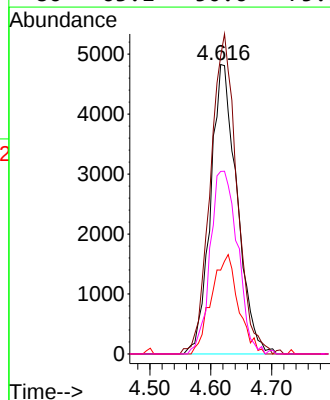
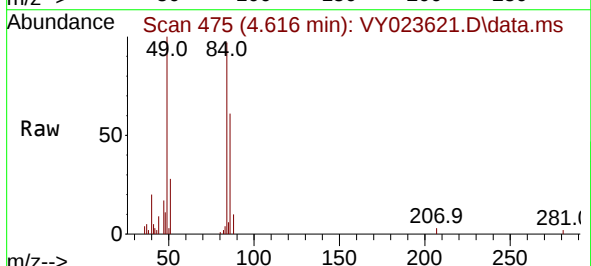
Instrument :
MSVOA_Y
ClientSampleId :

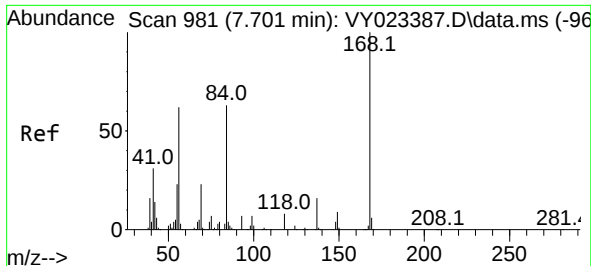
Tgt Ion:168 Resp: 742027
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#20
Methylene Chloride
Concen: 1.823 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

Tgt Ion: 84 Resp: 14565
Ion Ratio Lower Upper
84 100
49 102.9 80.2 120.4
51 29.0 25.9 38.9
86 63.1 50.6 75.8

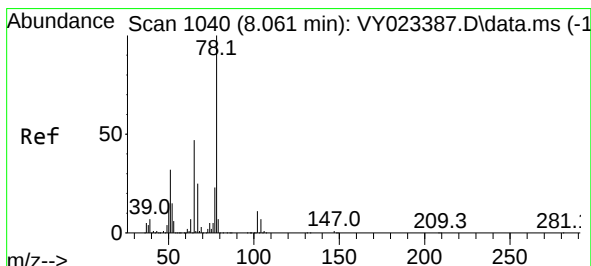
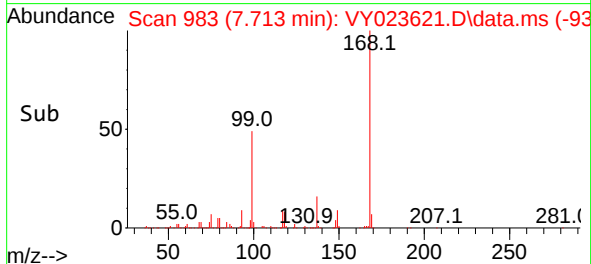
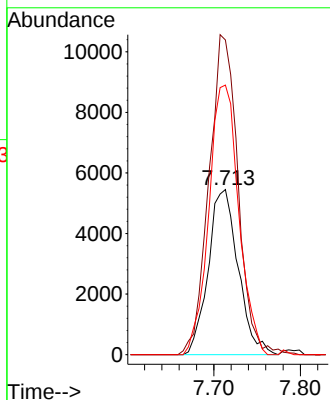
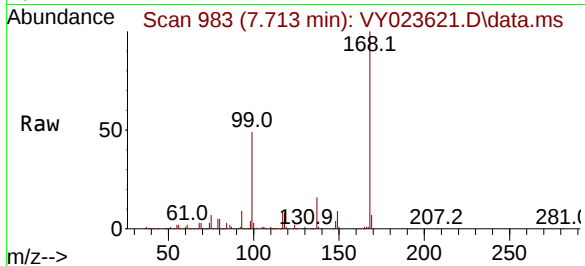




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

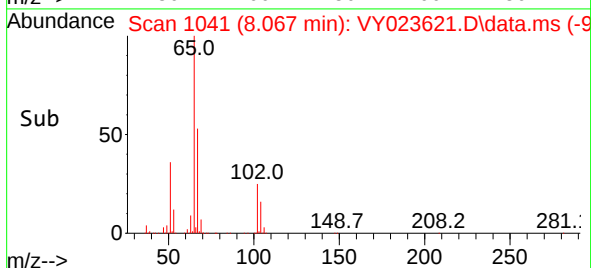
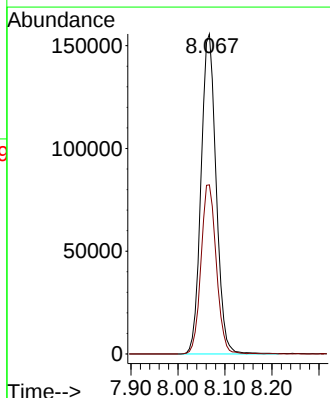
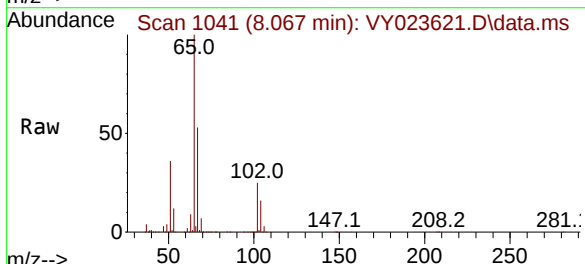
Instrument :
MSVOA_Y
ClientSampleId :

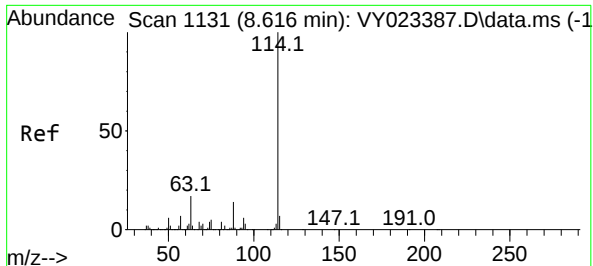
Tgt Ion: 56 Resp: 13063
Ion Ratio Lower Upper
56 100
69 190.6 30.0 45.0#
84 163.2 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 55.893 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

Tgt Ion: 65 Resp: 346812
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

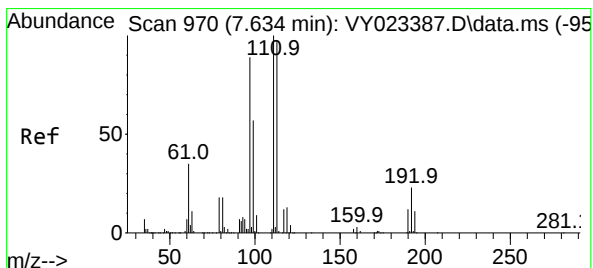
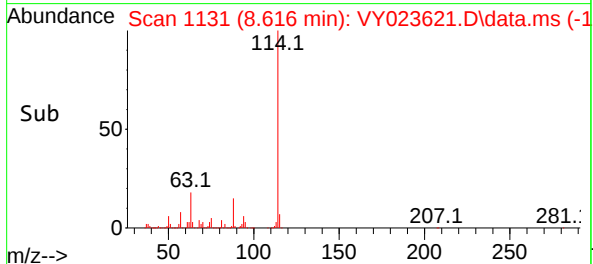
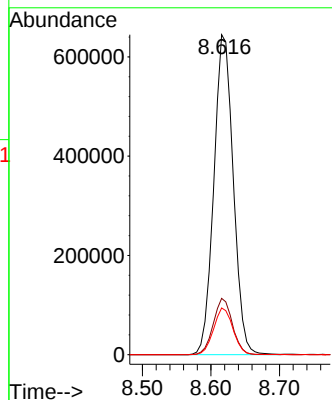
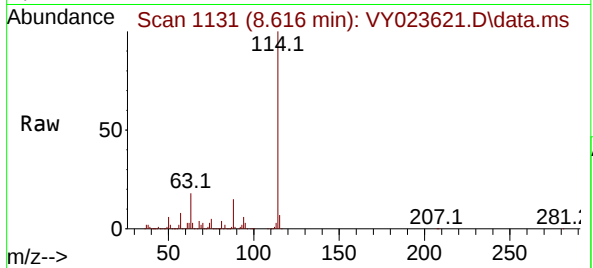




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

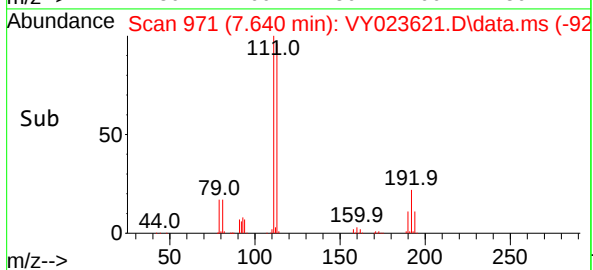
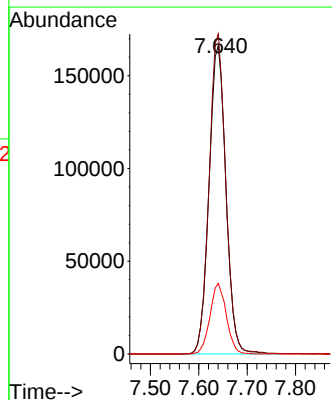
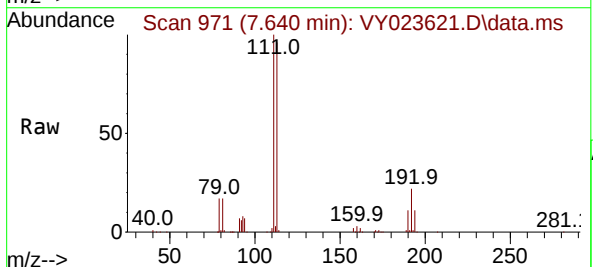
Instrument :
MSVOA_Y
ClientSampleId :

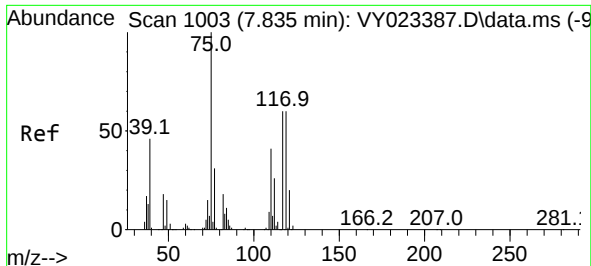
Tgt Ion:114 Resp: 1269076
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.711 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

Tgt Ion:113 Resp: 403238
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.922 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA_Y

ClientSampleId :

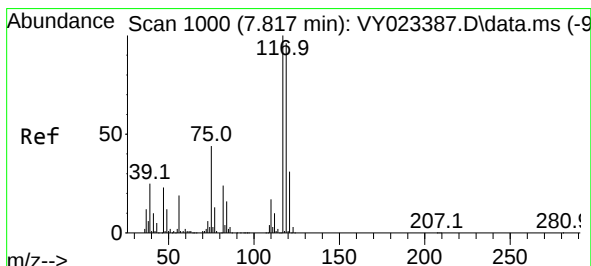
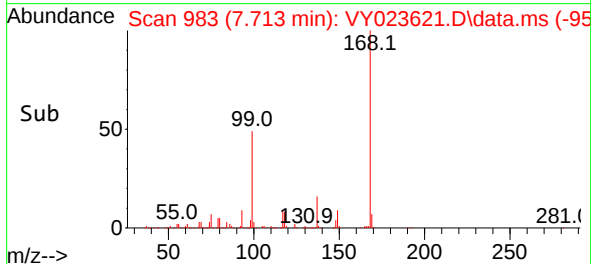
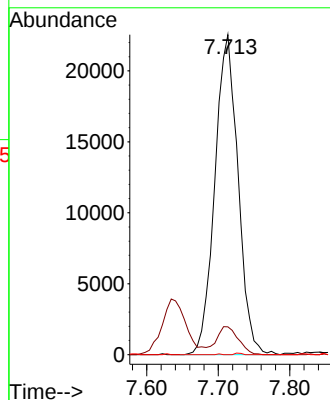
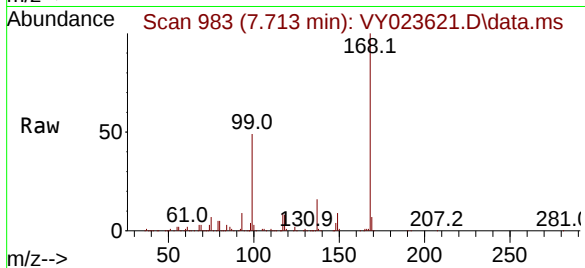
Tgt Ion: 75 Resp: 50815

Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.461 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

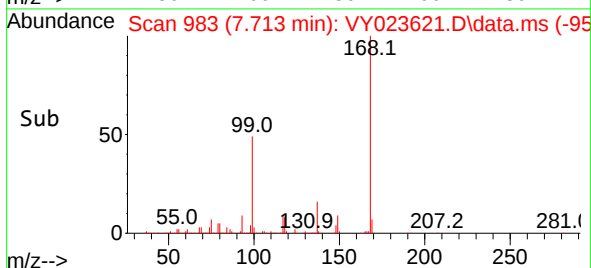
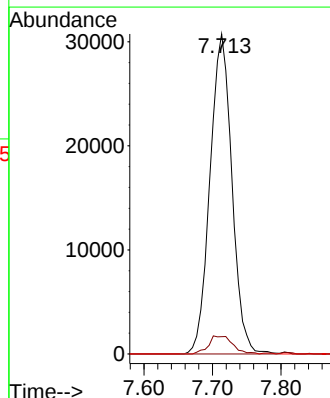
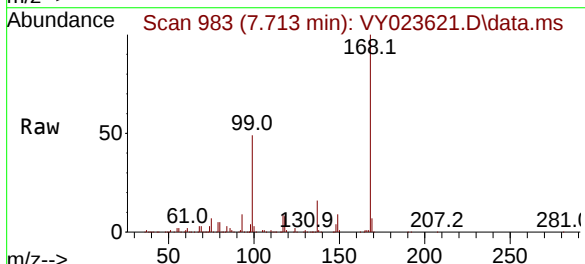
Tgt Ion: 117 Resp: 68357

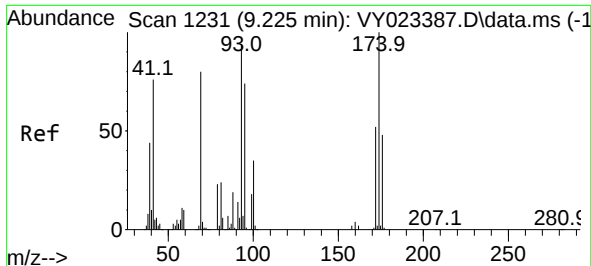
Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.266 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.232 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA_Y

ClientSampleId :

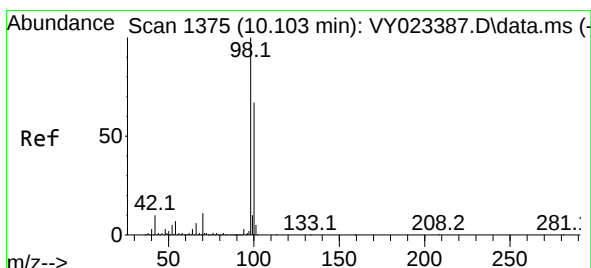
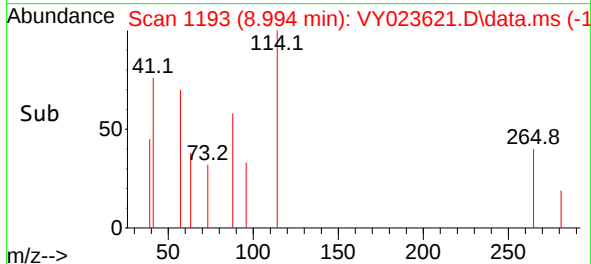
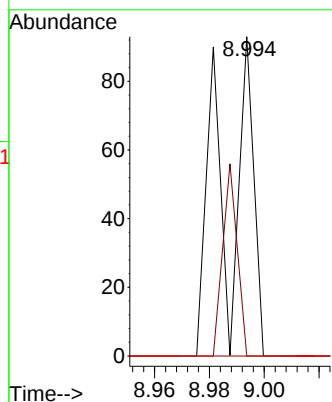
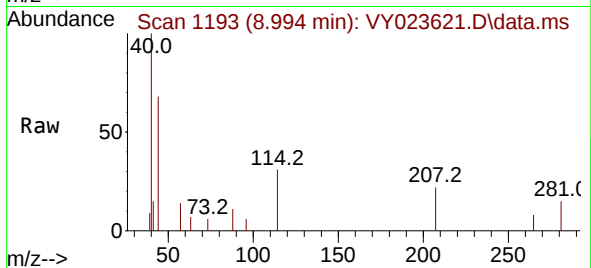
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 29.9 21.8 32.8

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 49.584 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023621.D

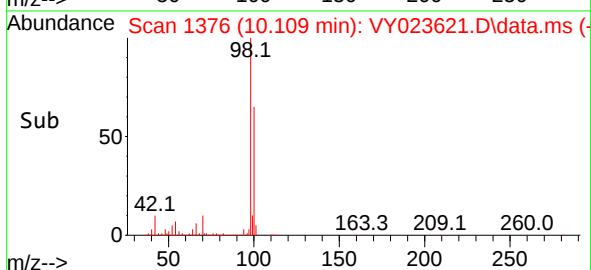
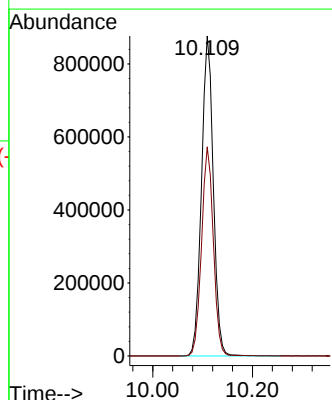
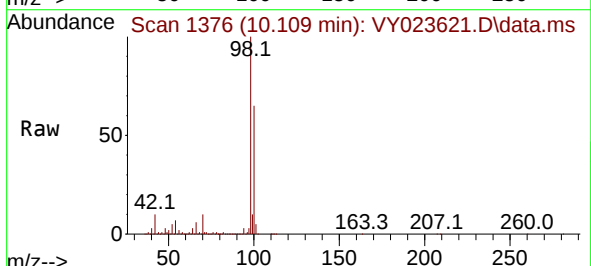
Acq: 30 Oct 2025 09:40

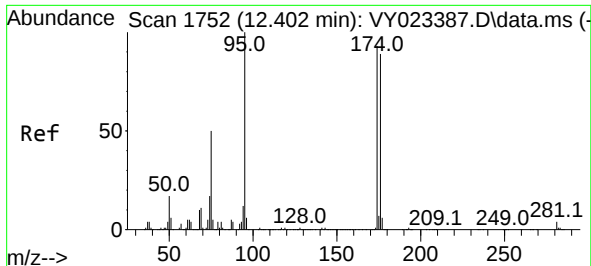
Tgt Ion: 98 Resp: 1439935

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4

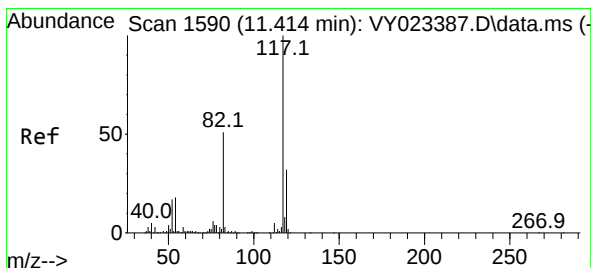
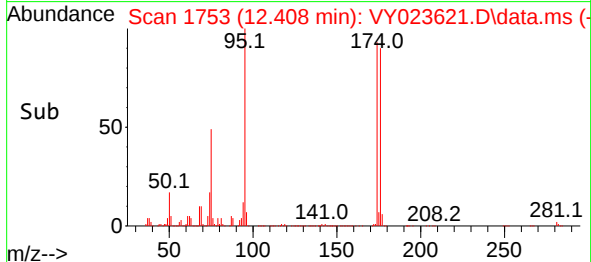
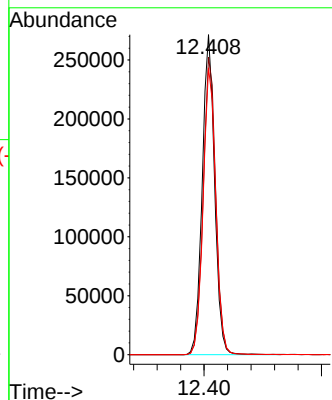
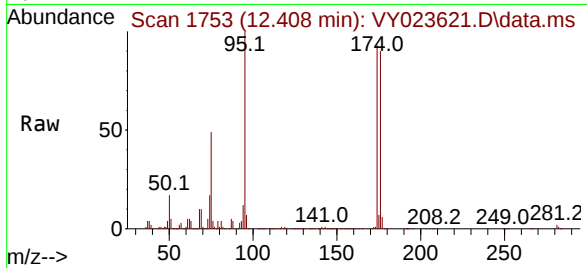




#62
4-Bromofluorobenzene
Concen: 41.404 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

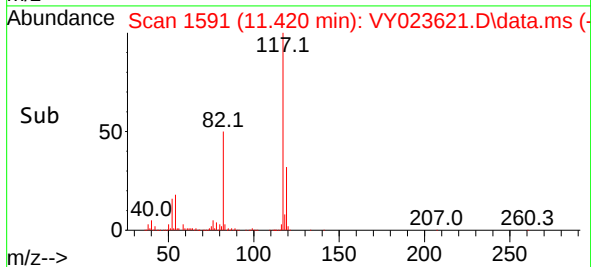
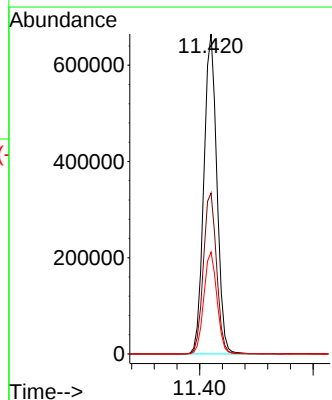
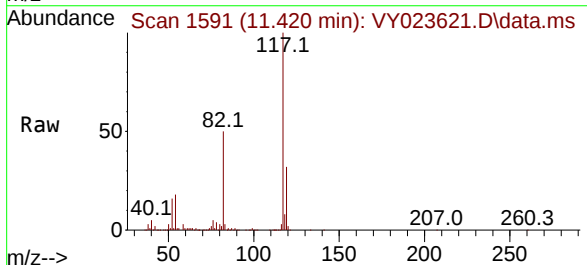
Instrument :
MSVOA_Y
ClientSampleId :

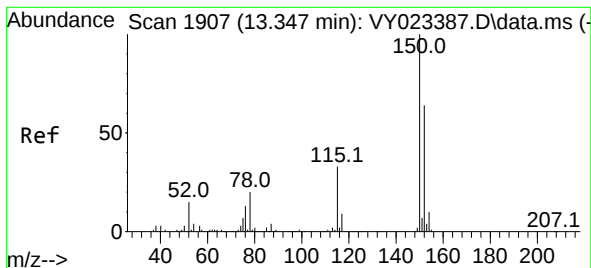
Tgt Ion: 95 Resp: 396962
Ion Ratio Lower Upper
95 100
174 94.9 0.0 192.8
176 91.3 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023621.D
Acq: 30 Oct 2025 09:40

Tgt Ion: 117 Resp: 1061841
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 31.8 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: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA_Y

ClientSampleId :

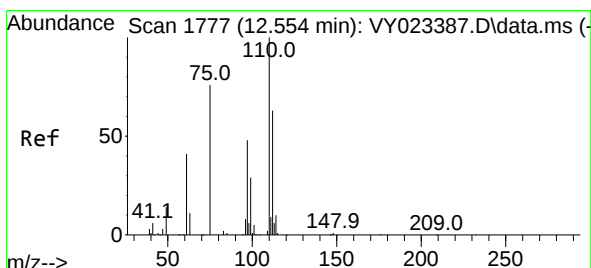
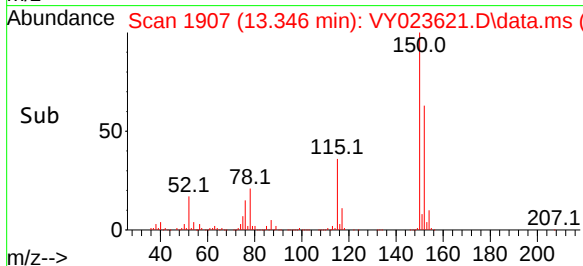
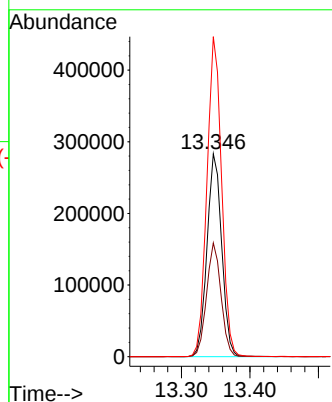
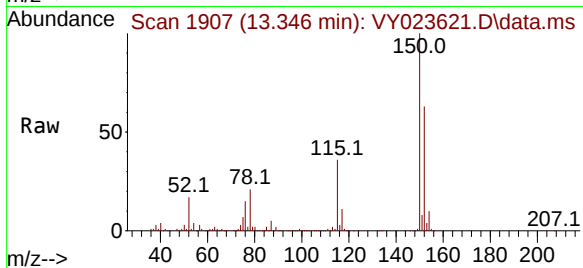
Tgt Ion:152 Resp: 422864

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.2

150 157.0 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 52.377 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023621.D

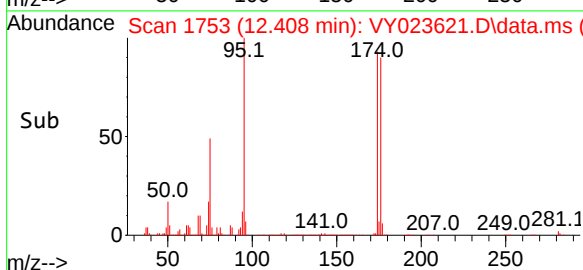
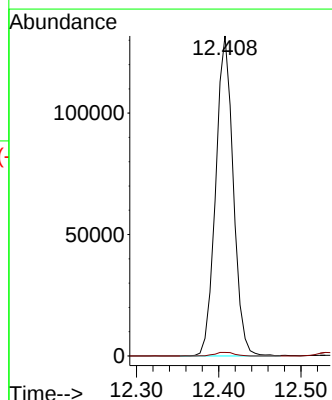
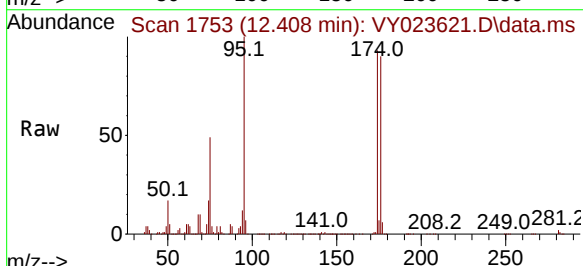
Acq: 30 Oct 2025 09:40

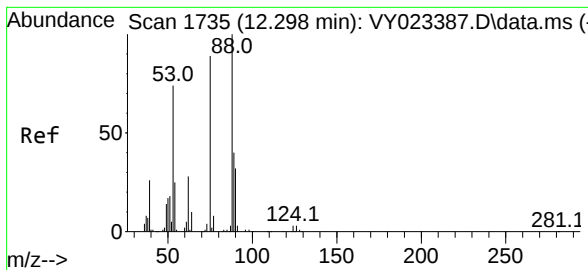
Tgt Ion: 75 Resp: 195409

Ion Ratio Lower Upper

75 100

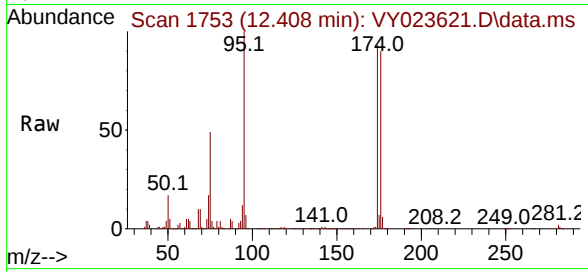
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.439 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023621.D
 Acq: 30 Oct 2025 09:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 195409
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 39.0 58.4#

