

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102725\
 Data File : VY023589.D
 Acq On : 27 Oct 2025 11:20
 Operator : SY/MD
 Sample : Q3457-01
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-102425

Quant Time: Oct 28 04:38:02 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)

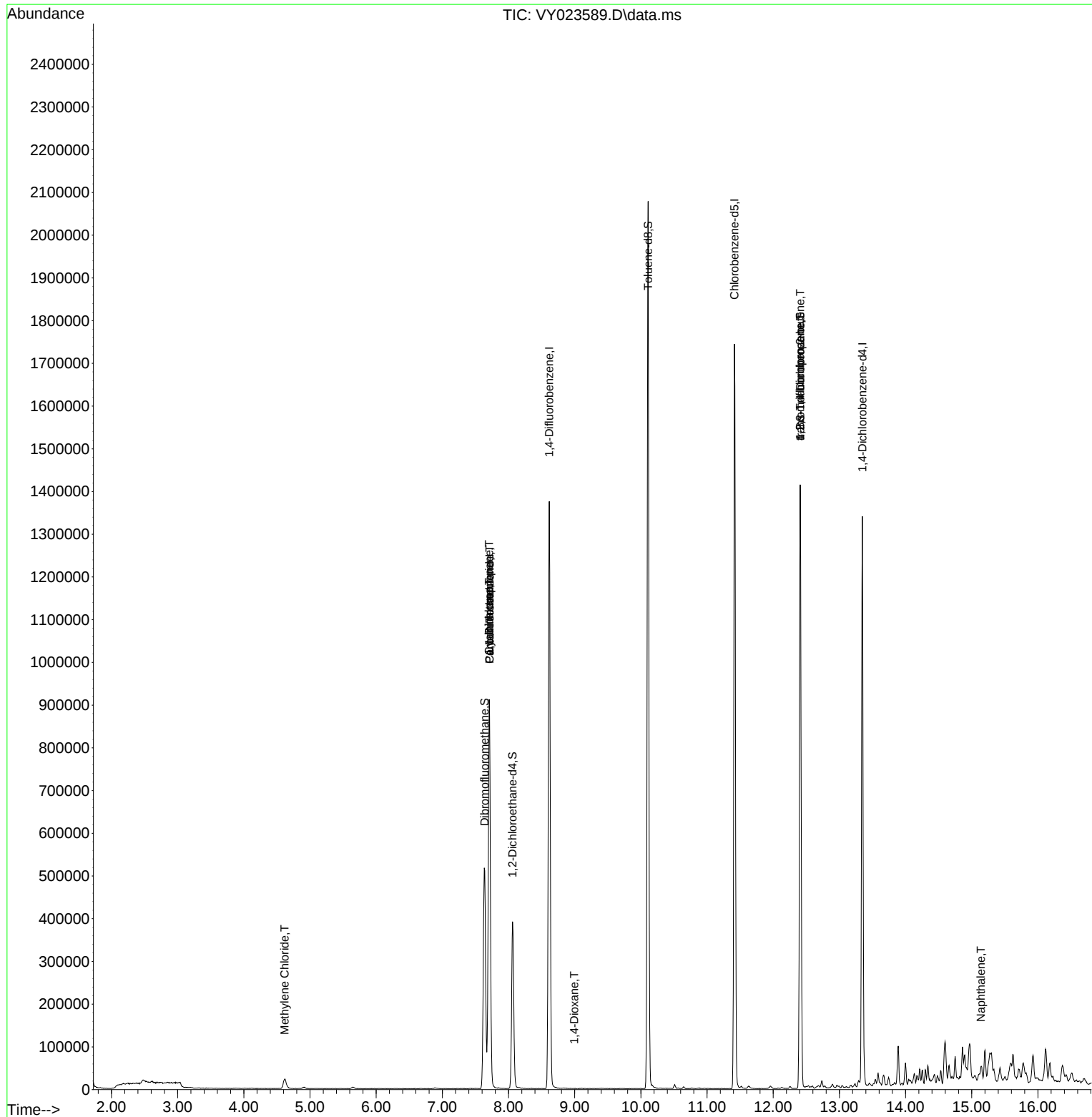
Internal Standards						
1) Pentafluorobenzene	7.713	168	762185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1244785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	985397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	364961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	303420	47.606	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.220%
35) Dibromofluoromethane	7.640	113	380112	49.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.400%
50) Toluene-d8	10.109	98	1381551	48.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.408	95	355330	37.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.560%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	18471	2.251	ug/l	96
31) Cyclohexane	7.707	56	12880	1.215	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	48021	4.742	ug/l #	48
38) Carbon Tetrachloride	7.713	117	69117	5.629	ug/l #	16
49) 1,4-Dioxane	8.994	88	56	1.078	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	176342	54.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	176342	134.296	ug/l #	15
95) Naphthalene	15.139	128	20902	1.929	ug/l #	96

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

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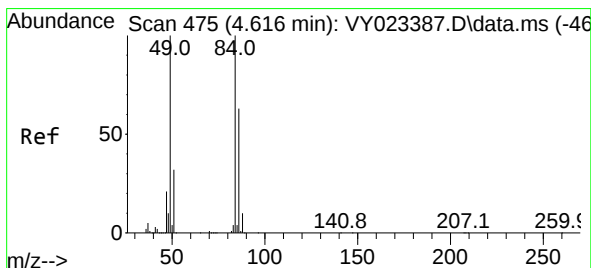
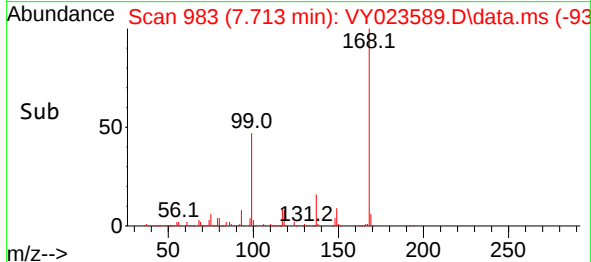
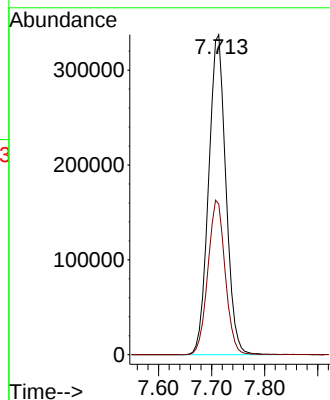
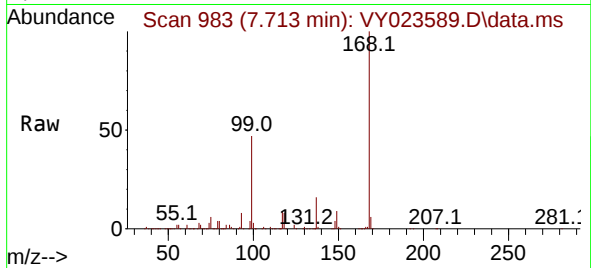




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

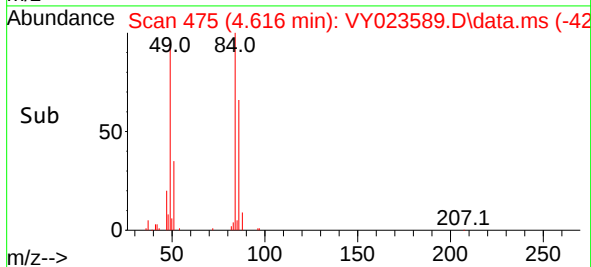
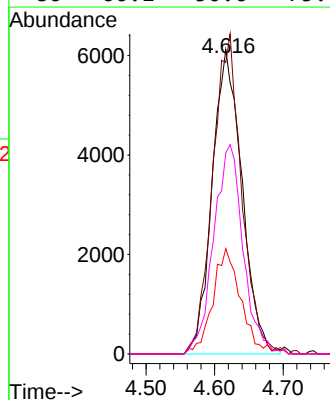
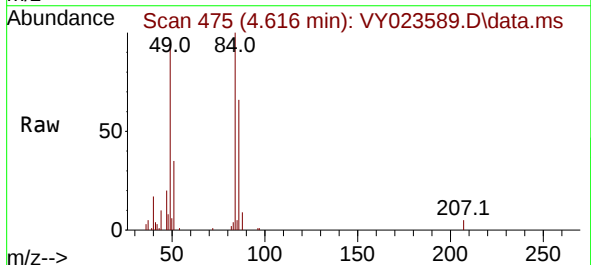
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

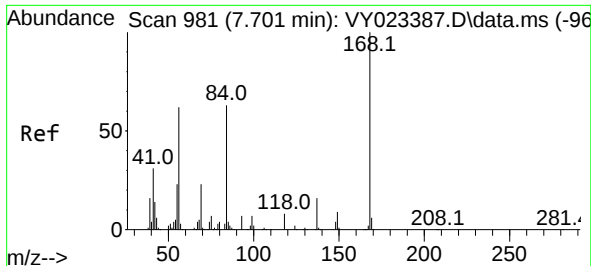
Tgt Ion:168 Resp: 762185
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#20
Methylene Chloride
Concen: 2.251 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion: 84 Resp: 18471
Ion Ratio Lower Upper
84 100
49 95.8 80.2 120.4
51 34.6 25.9 38.9
86 66.1 50.6 75.8

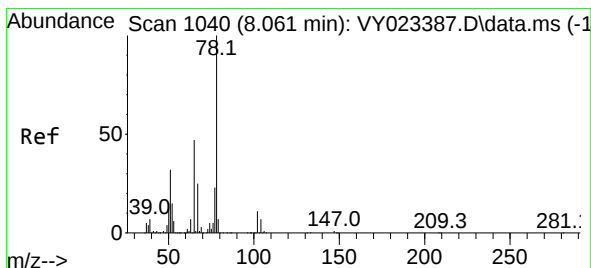
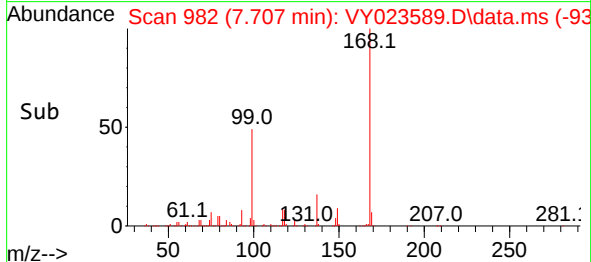
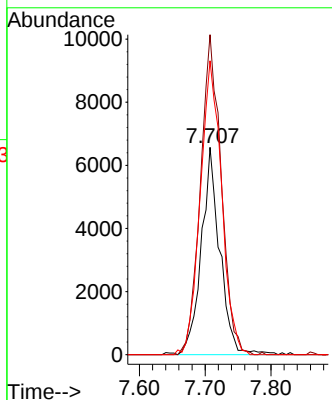
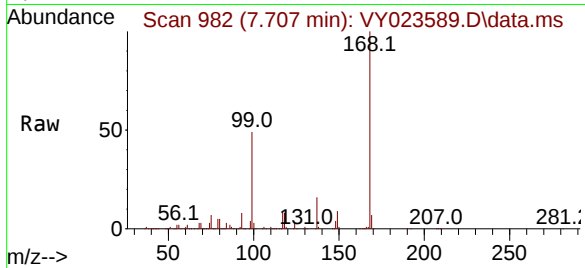




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

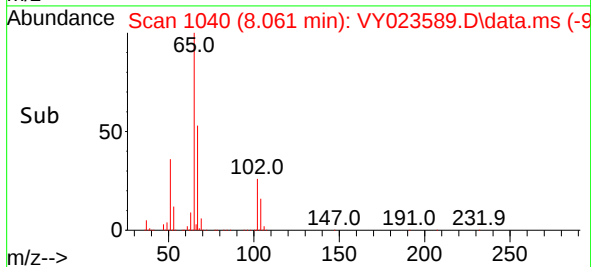
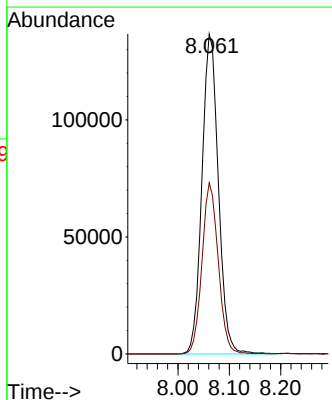
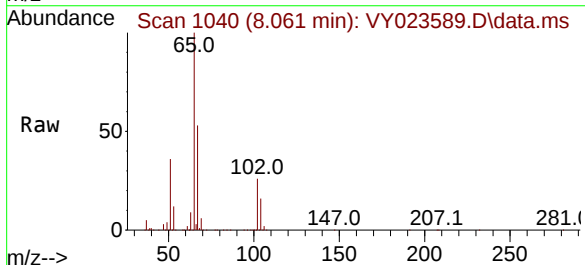
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

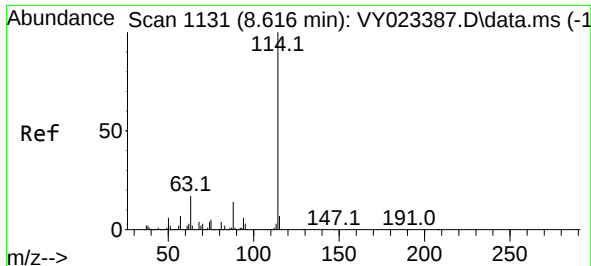
Tgt Ion: 56 Resp: 12880
Ion Ratio Lower Upper
56 100
69 154.3 30.0 45.0#
84 141.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 47.606 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion: 65 Resp: 303420
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

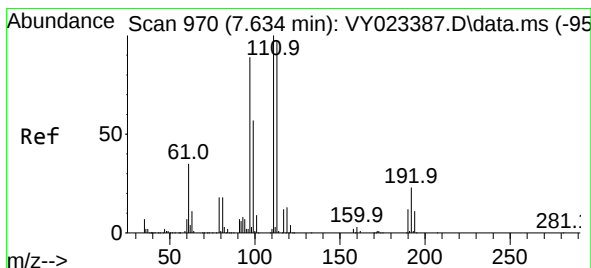
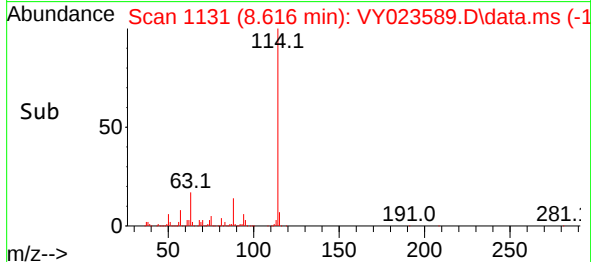
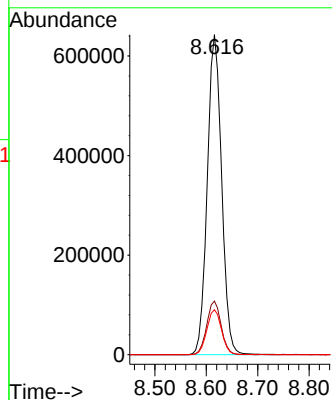
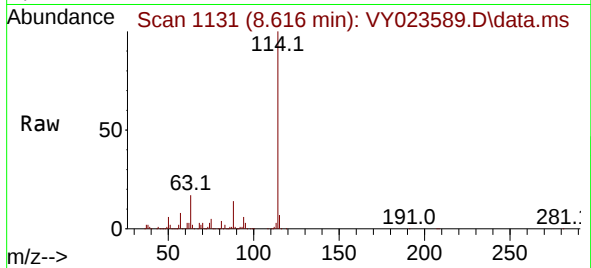




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

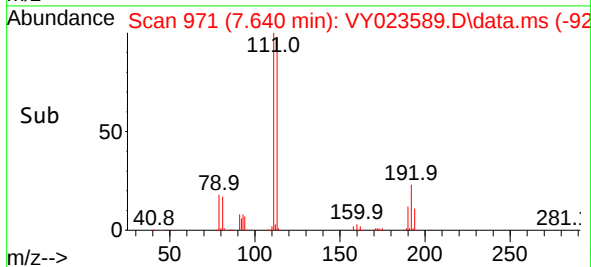
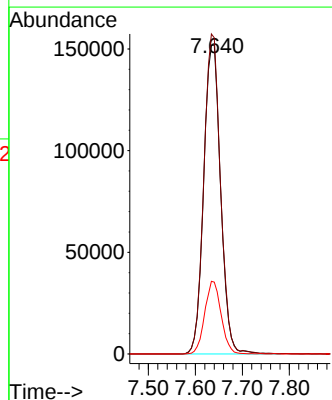
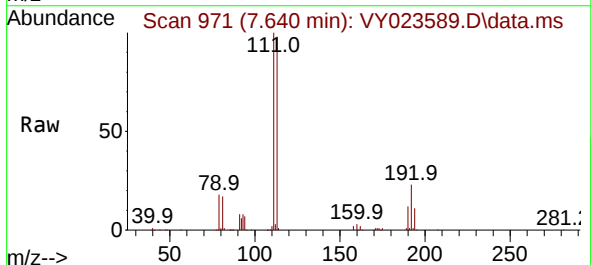
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

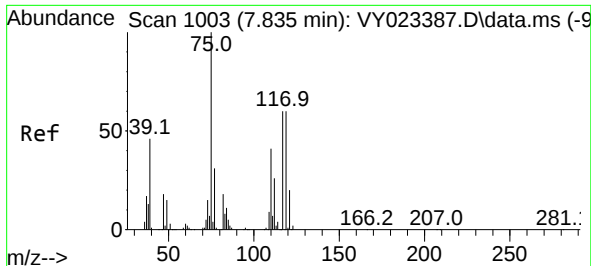
Tgt Ion:114 Resp: 1244785
Ion Ratio Lower Upper
114 100
63 16.7 0.0 34.2
88 14.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.697 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion:113 Resp: 380112
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.6
192 22.8 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.742 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY023589.D

Acq: 27 Oct 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-102425

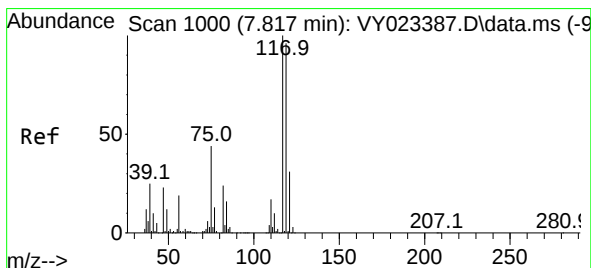
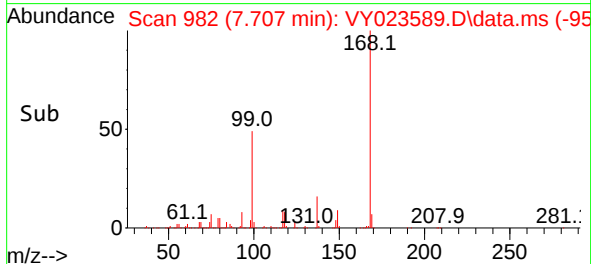
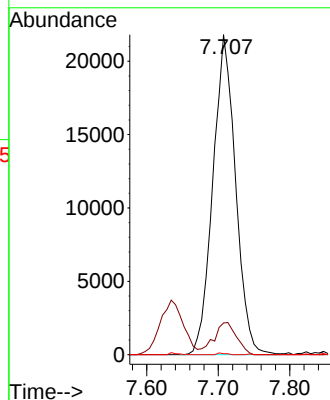
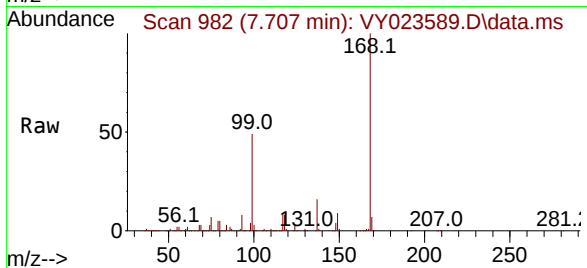
Tgt Ion: 75 Resp: 48021

Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.7#

77 0.2 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.629 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023589.D

Acq: 27 Oct 2025 11:20

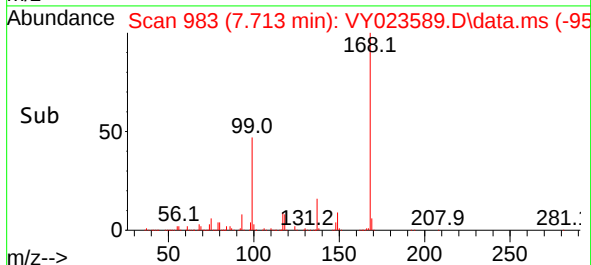
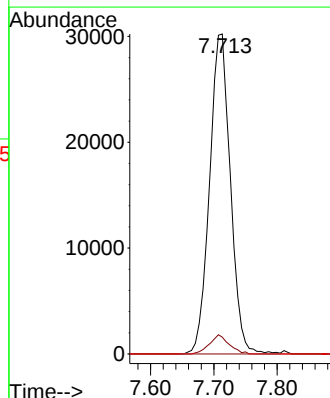
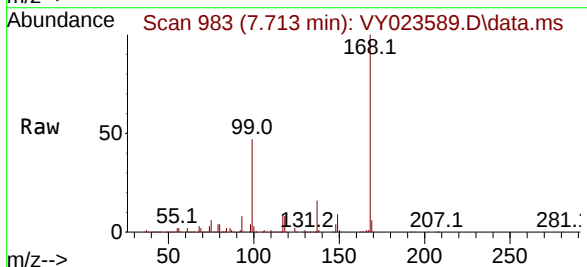
Tgt Ion: 117 Resp: 69117

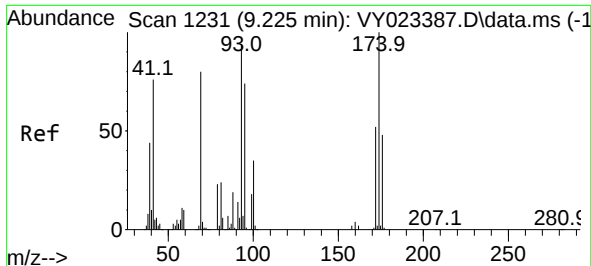
Ion Ratio Lower Upper

117 100

119 5.2 76.8 115.2#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 1.078 ug/l

RT: 8.994 min Scan# 1193

Delta R.T. -0.232 min

Lab File: VY023589.D

Acq: 27 Oct 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-102425

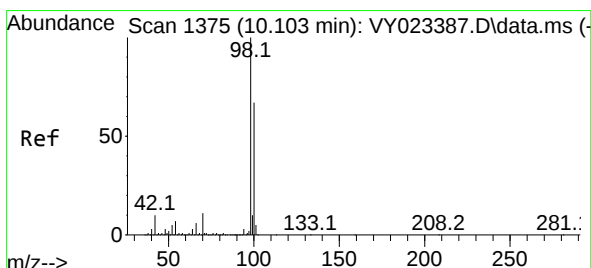
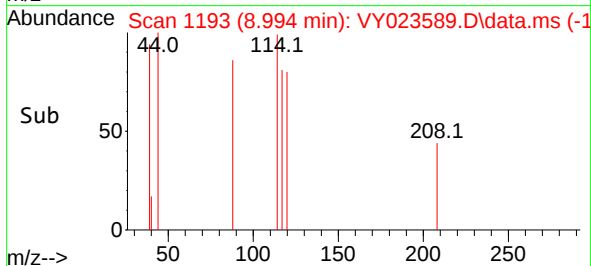
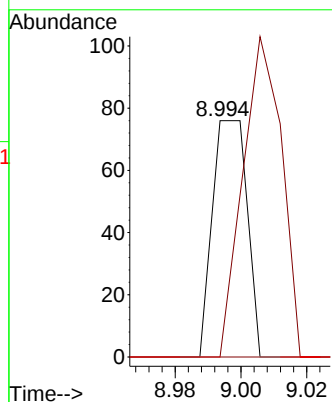
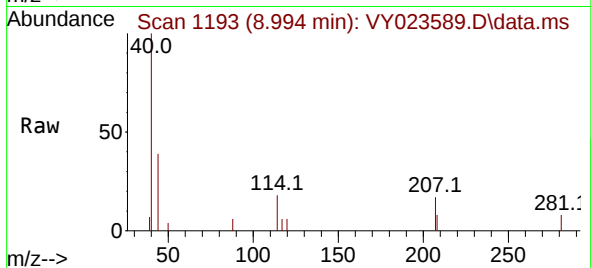
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 150.0 21.8 32.8#

58 0.0 46.8 70.2#



#50

Toluene-d8

Concen: 48.502 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023589.D

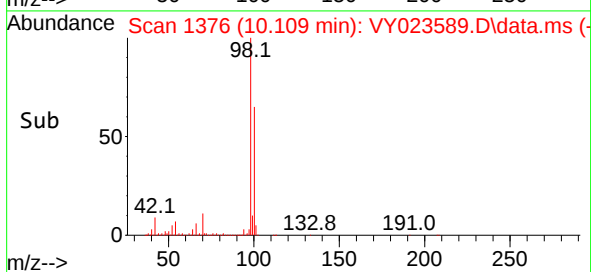
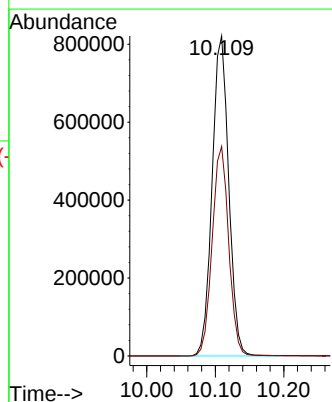
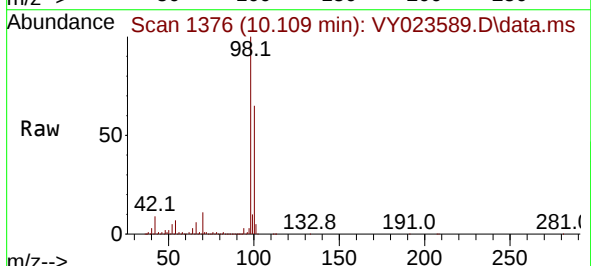
Acq: 27 Oct 2025 11:20

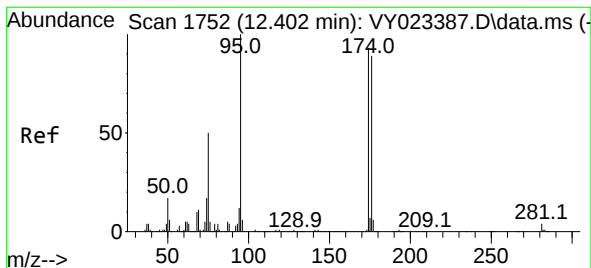
Tgt Ion: 98 Resp: 1381551

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4

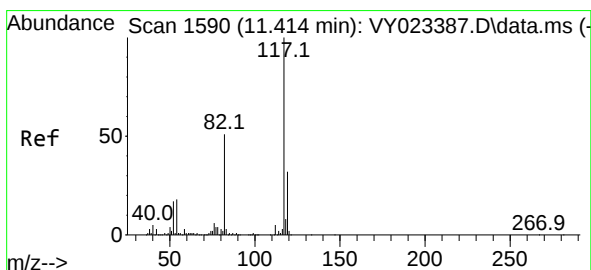
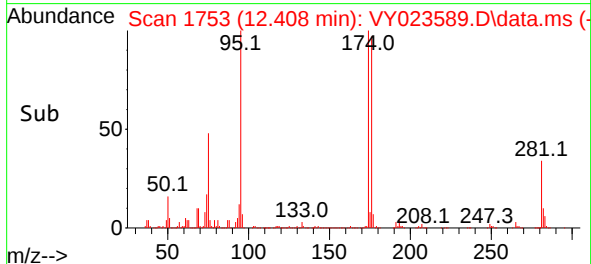
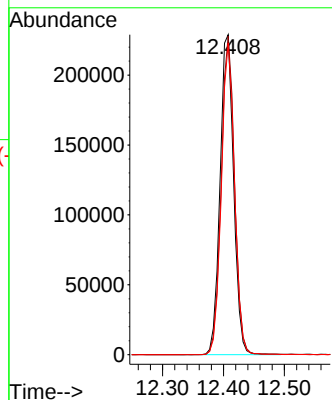
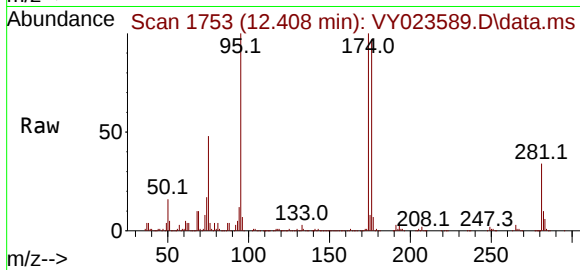




#62
4-Bromofluorobenzene
Concen: 37.785 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

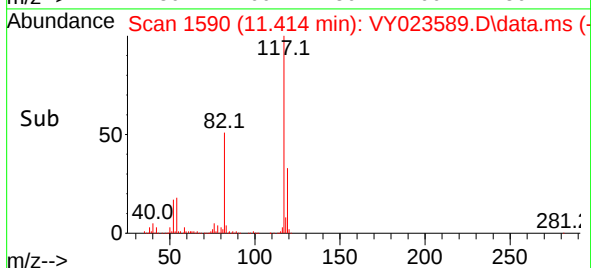
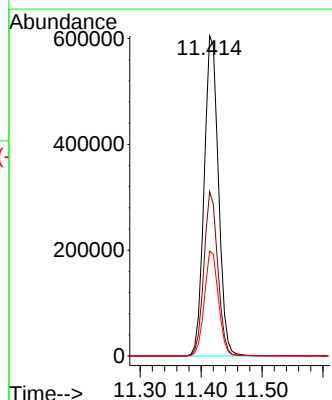
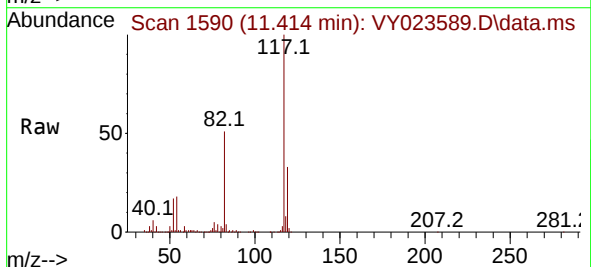
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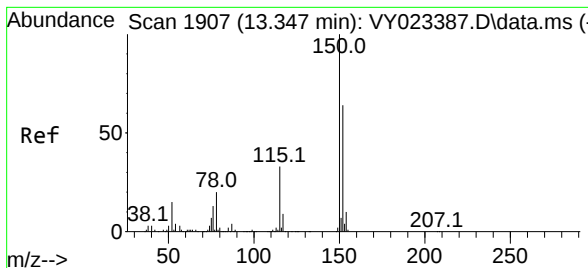
Tgt Ion: 95 Resp: 355330
Ion Ratio Lower Upper
95 100
174 98.0 0.0 192.8
176 94.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion: 117 Resp: 985397
Ion Ratio Lower Upper
117 100
82 51.4 41.0 61.4
119 32.8 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: VY023589.D

Acq: 27 Oct 2025 11:20

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-102425

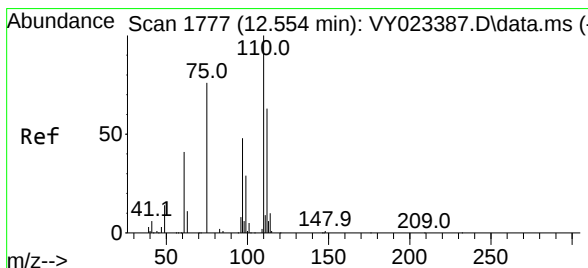
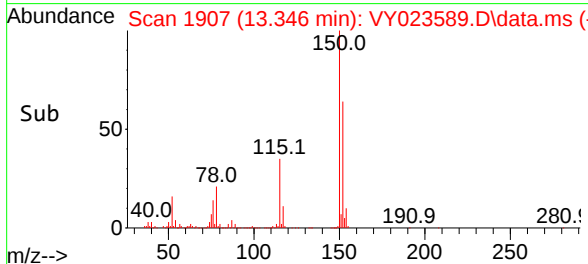
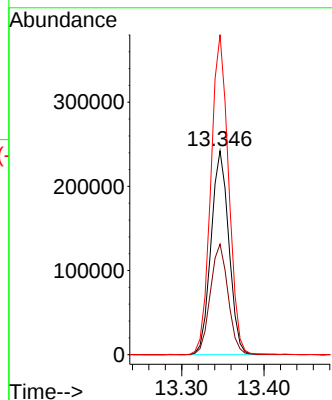
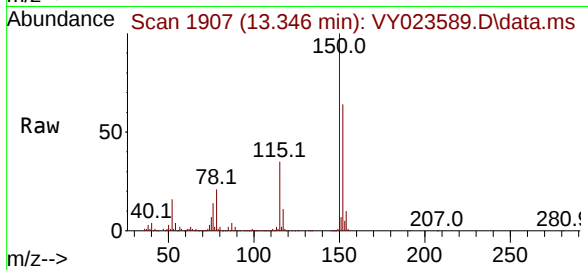
Tgt Ion:152 Resp: 364961

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.2

150 155.9 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 54.766 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023589.D

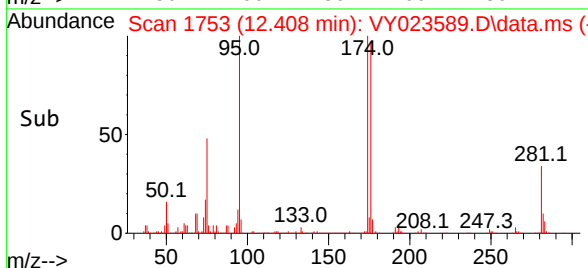
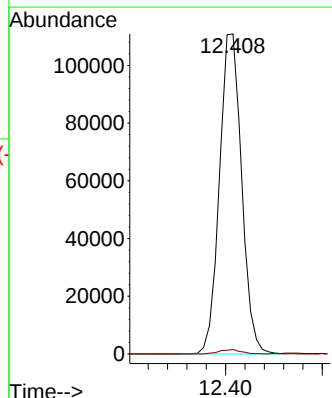
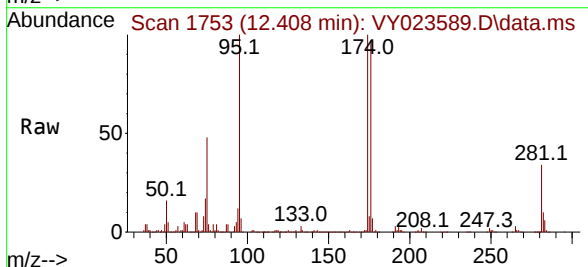
Acq: 27 Oct 2025 11:20

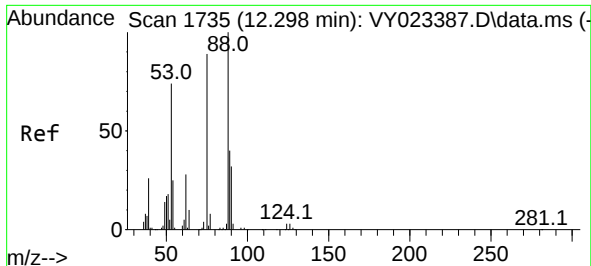
Tgt Ion: 75 Resp: 176342

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

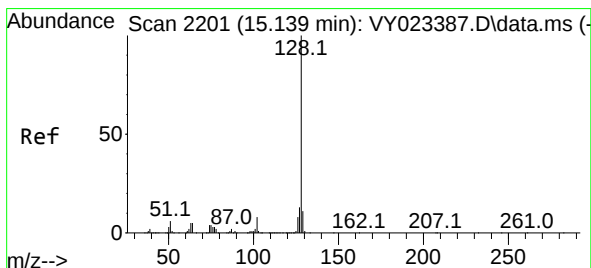
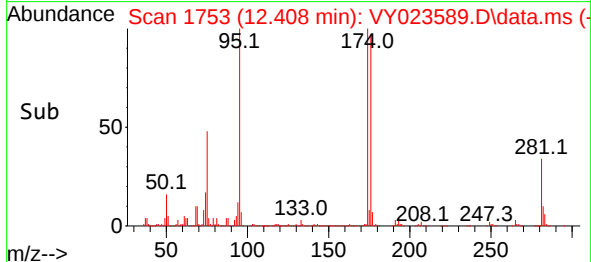
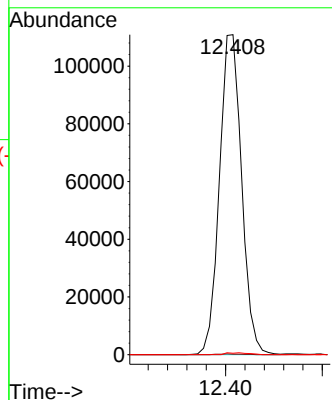
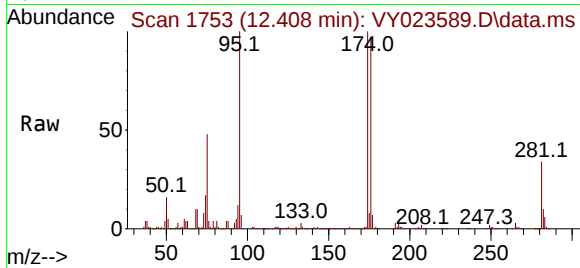




#81
trans-1,4-Dichloro-2-butene
Concen: 134.296 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-102425

Tgt Ion: 75 Resp: 176342
Ion Ratio Lower Upper
75 100
53 0.3 68.6 102.8#
89 0.6 39.0 58.4#



#95
Naphthalene
Concen: 1.929 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023589.D
Acq: 27 Oct 2025 11:20

Tgt Ion:128 Resp: 20902
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 14.5 8.9 13.3#

