

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023505.D
 Acq On : 20 Oct 2025 13:49
 Operator : SY/MD
 Sample : Q3369-07
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

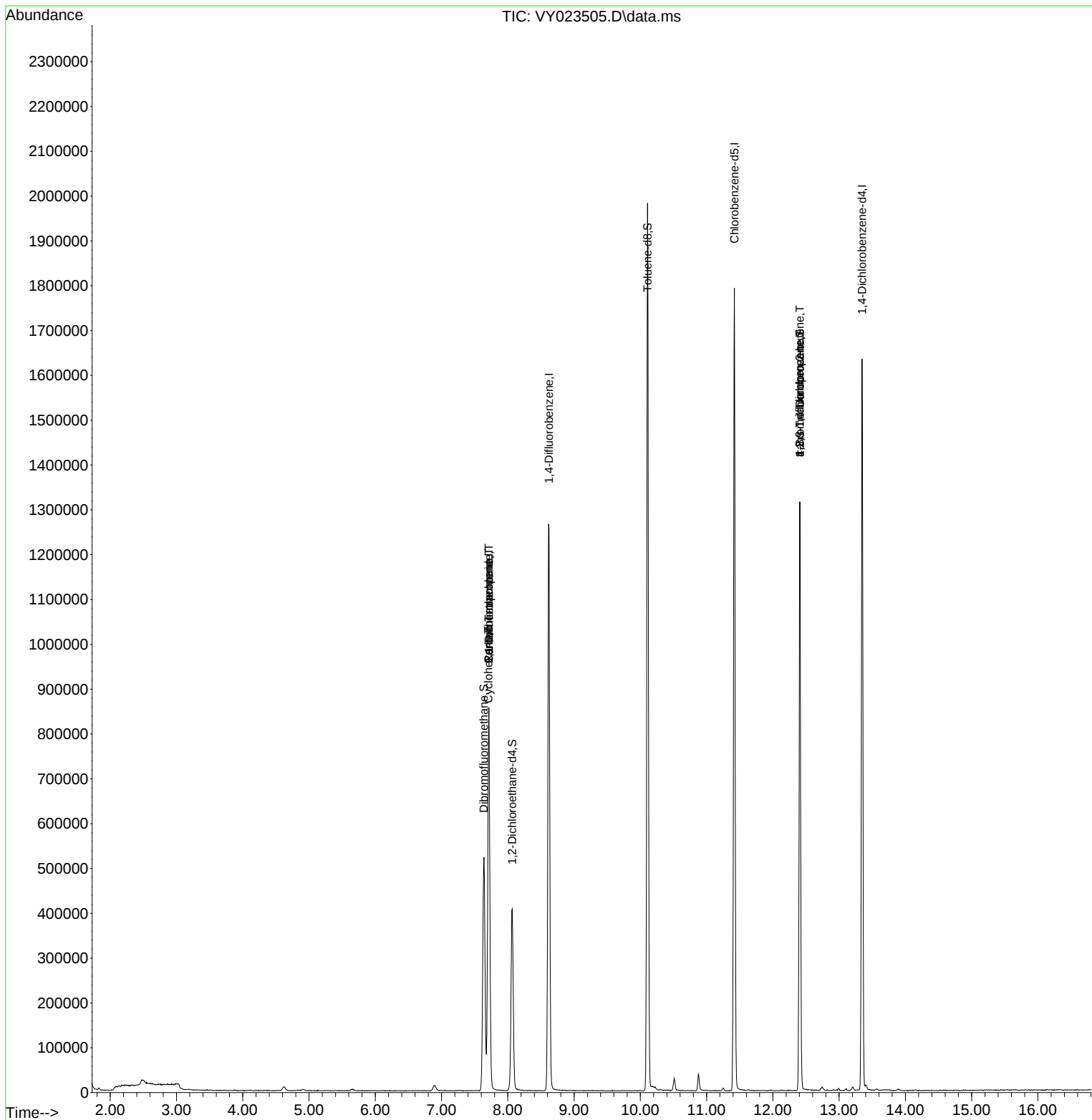
Quant Time: Oct 21 03:58:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	694225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1162623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1014506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	435355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	318954	54.943	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.880%	
35) Dibromofluoromethane	7.640	113	373586	52.295	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.600%	
50) Toluene-d8	10.109	98	1322416	49.707	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.420%	
62) 4-Bromofluorobenzene	12.407	95	383527	43.665	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.340%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	11889	1.231	ug/l #	11
36) 1,1-Dichloropropene	7.713	75	44888	4.746	ug/l #	48
38) Carbon Tetrachloride	7.713	117	63778	5.561	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	190266	49.536	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	190266	121.471	ug/l #	15

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

Quant Time: Oct 21 03:58:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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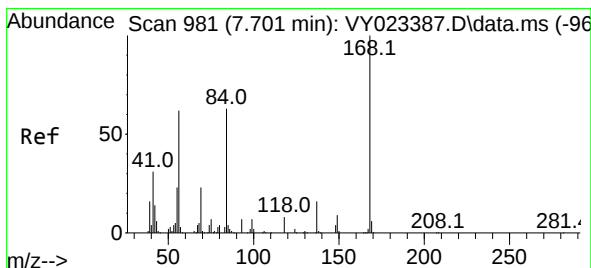
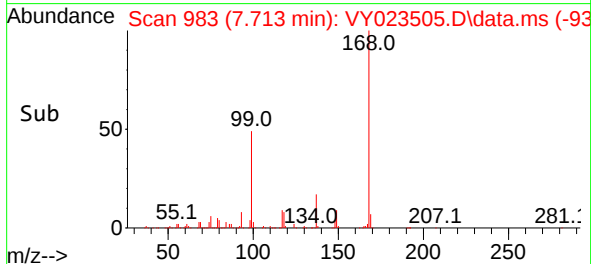
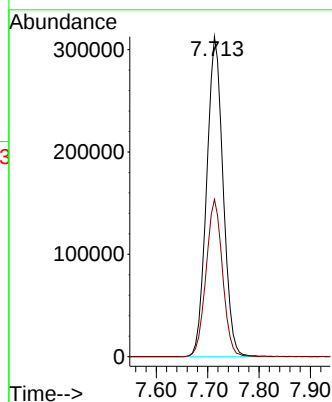
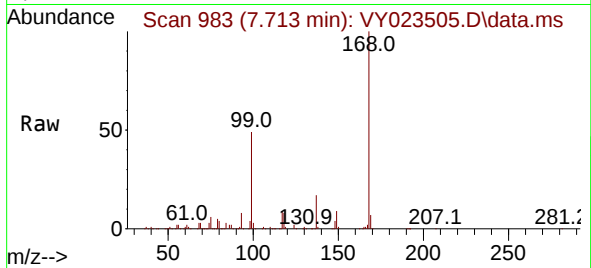




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

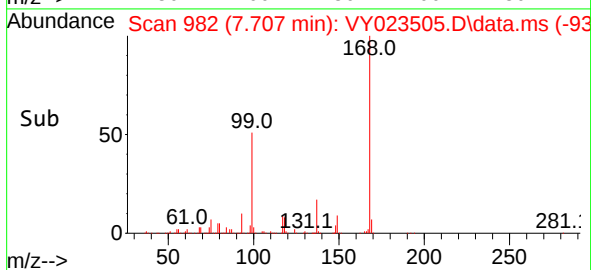
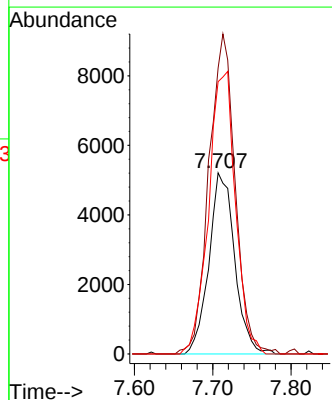
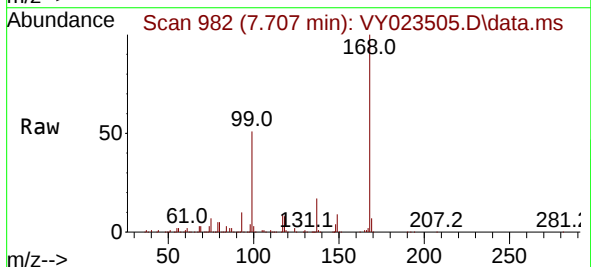
Instrument :
MSVOA_Y
ClientSampleId :

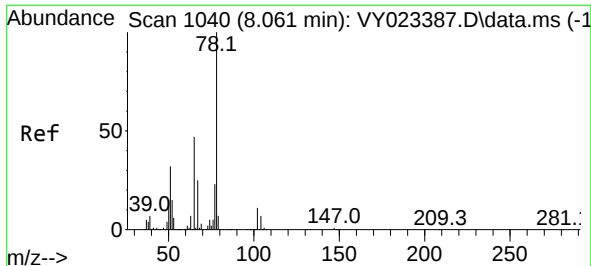
Tgt Ion:168 Resp: 694225
Ion Ratio Lower Upper
168 100
99 49.2 39.7 59.5



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 56 Resp: 11889
Ion Ratio Lower Upper
56 100
69 157.8 30.0 45.0#
84 150.3 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 54.943 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023505.D

Acq: 20 Oct 2025 13:49

Instrument :

MSVOA_Y

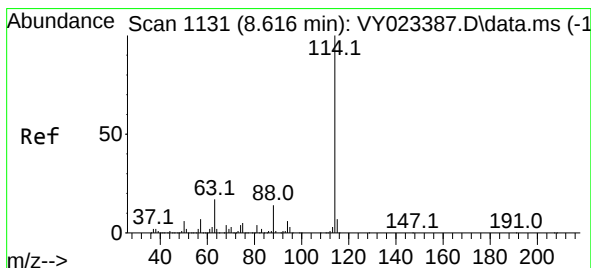
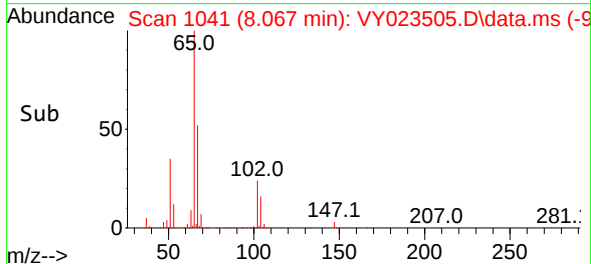
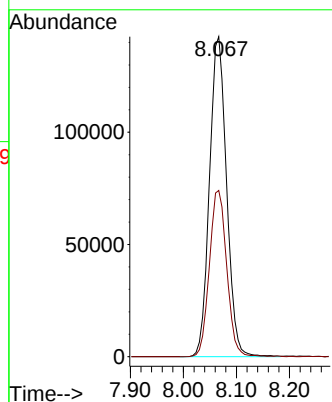
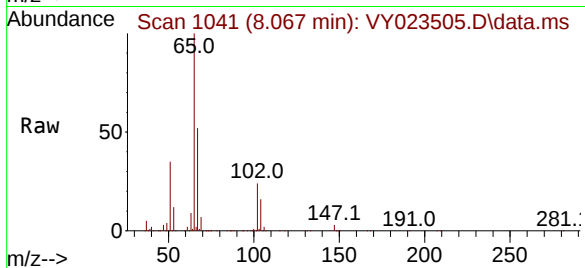
ClientSampleId :

Tgt Ion: 65 Resp: 318954

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023505.D

Acq: 20 Oct 2025 13:49

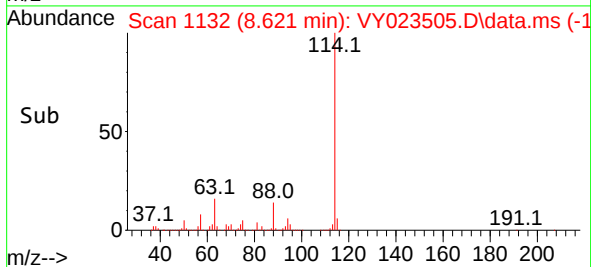
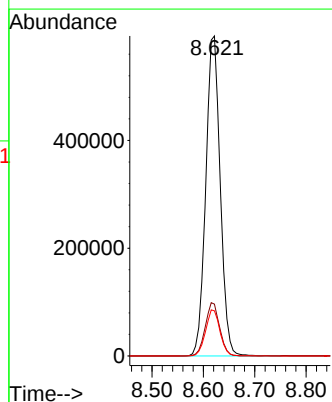
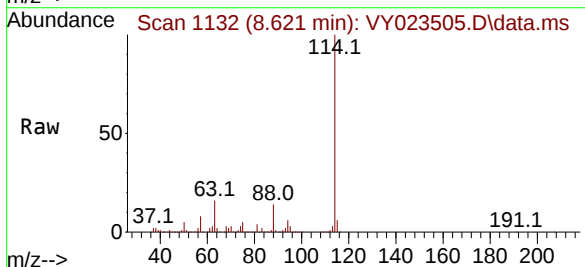
Tgt Ion: 114 Resp: 1162623

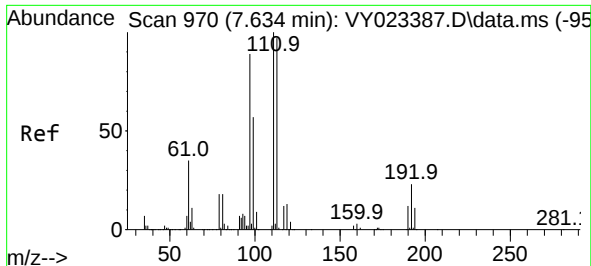
Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

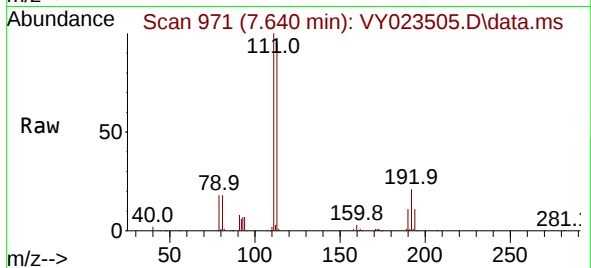
88 14.1 0.0 28.4



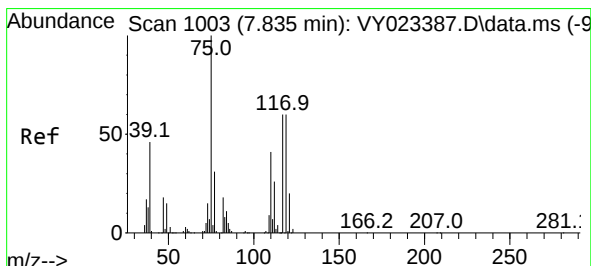
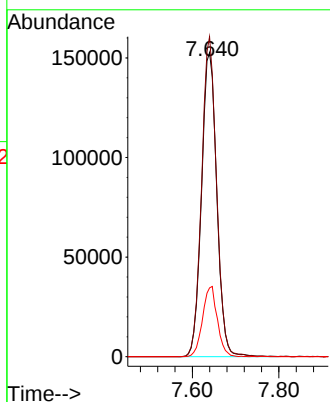
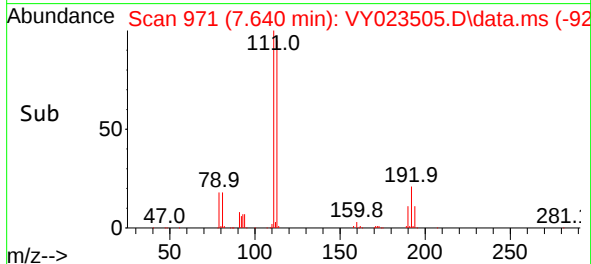


#35
Dibromofluoromethane
Concen: 52.295 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

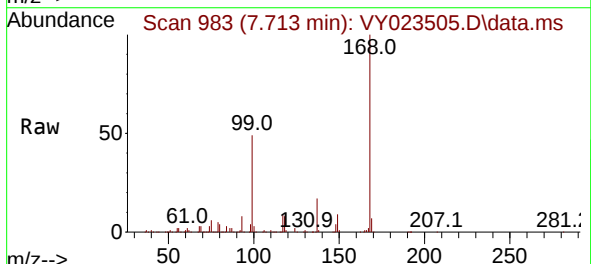
Instrument :
MSVOA_Y
ClientSampleId :



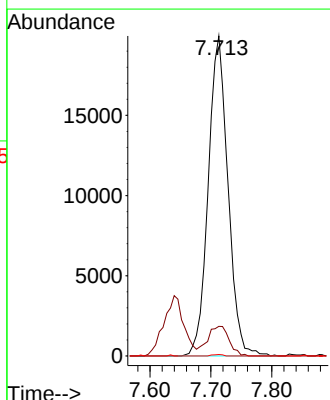
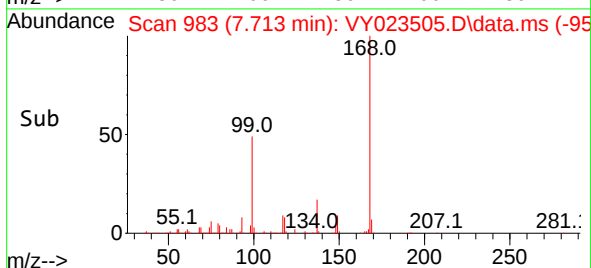
Tgt Ion:113 Resp: 373586
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.3 18.0 27.0

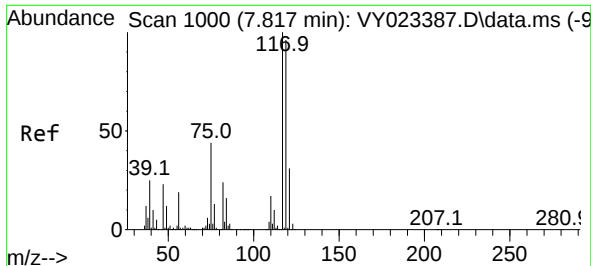


#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49



Tgt Ion: 75 Resp: 44888
Ion Ratio Lower Upper
75 100
110 10.2 19.9 59.7#
77 0.2 25.0 37.6#

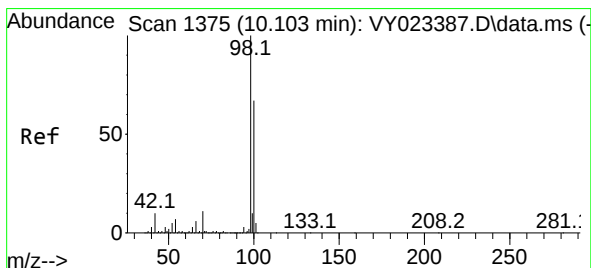
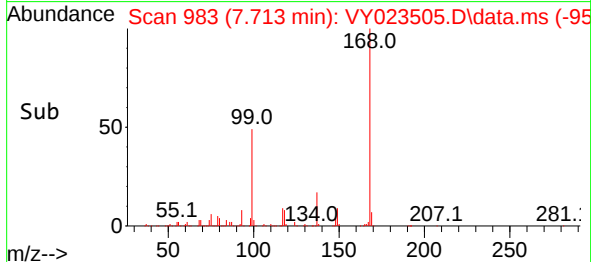
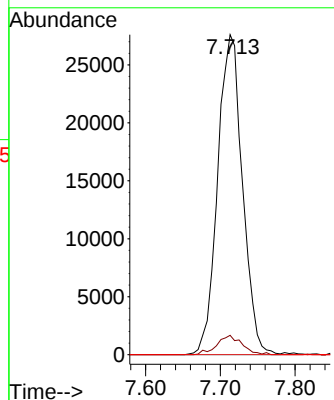
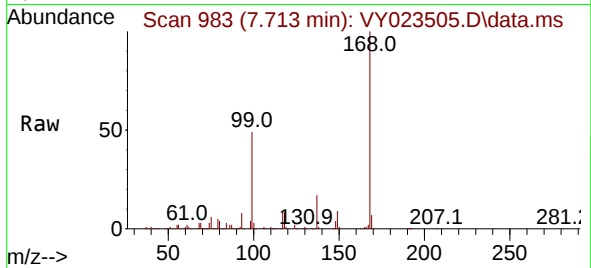




#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

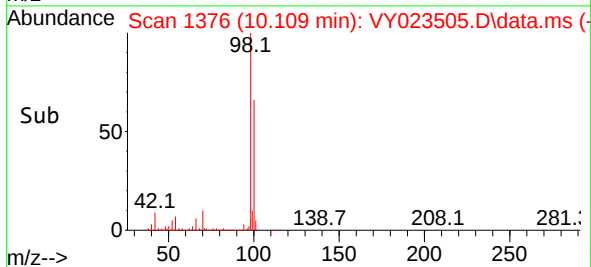
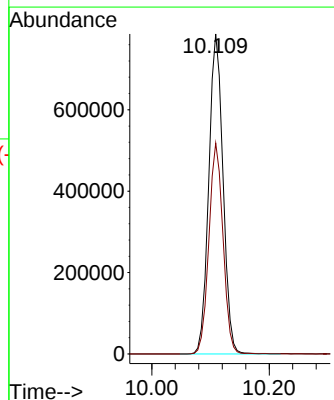
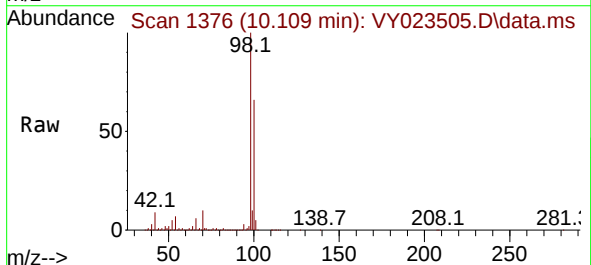
Instrument :
MSVOA_Y
ClientSampleId :

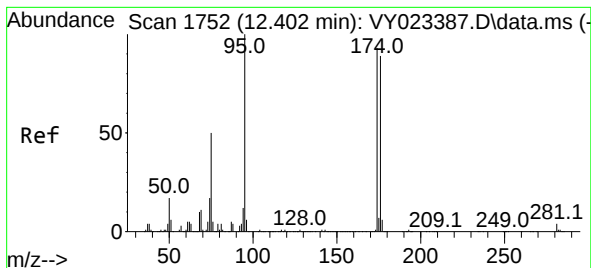
Tgt Ion:117 Resp: 63778
Ion Ratio Lower Upper
117 100
119 6.1 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.707 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 98 Resp: 1322416
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

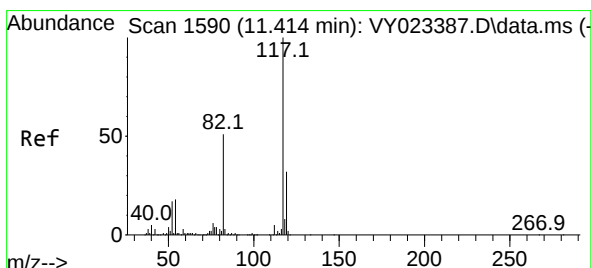
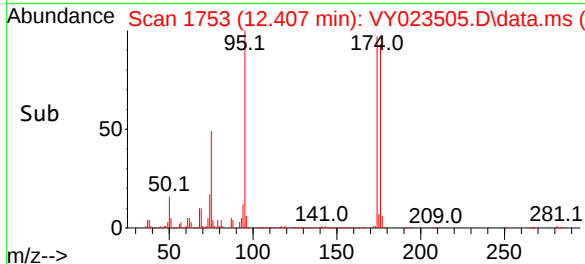
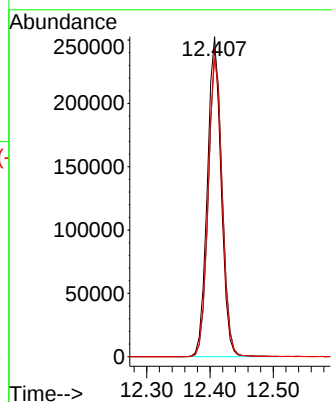
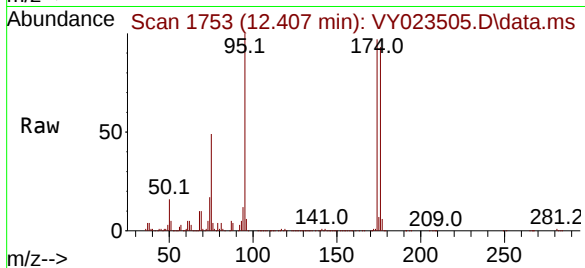




#62
4-Bromofluorobenzene
Concen: 43.665 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

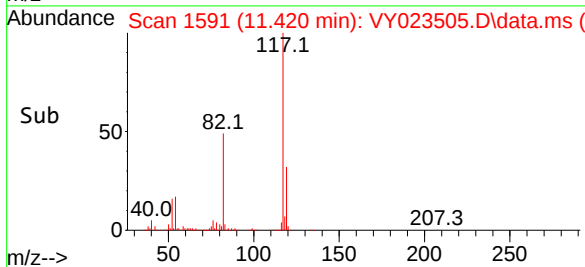
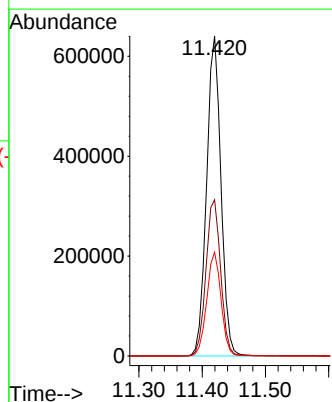
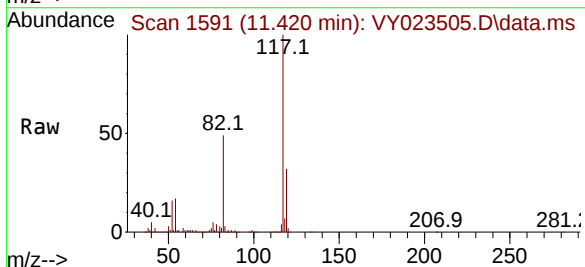
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ClientSampleId :

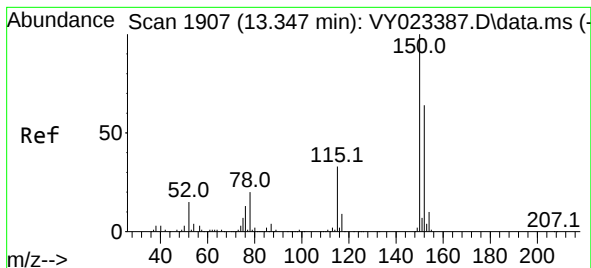
Tgt Ion: 95 Resp: 383527
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 94.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023505.D
Acq: 20 Oct 2025 13:49

Tgt Ion: 117 Resp: 1014506
Ion Ratio Lower Upper
117 100
82 48.8 41.0 61.4
119 32.4 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: VY023505.D

Acq: 20 Oct 2025 13:49

Instrument :

MSVOA_Y

ClientSampleId :

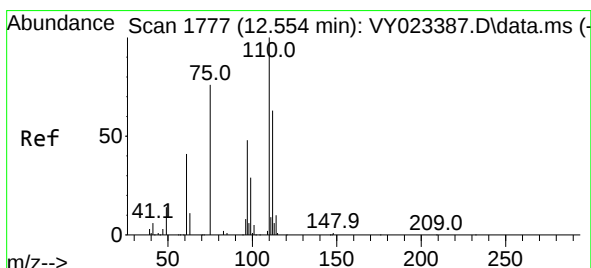
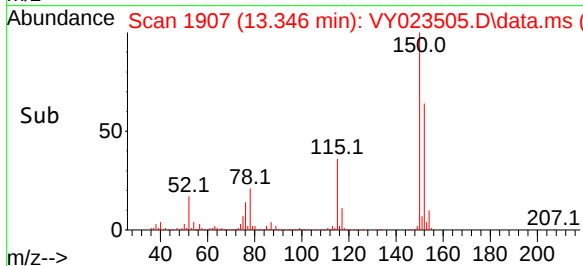
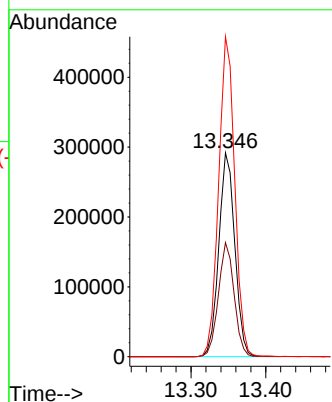
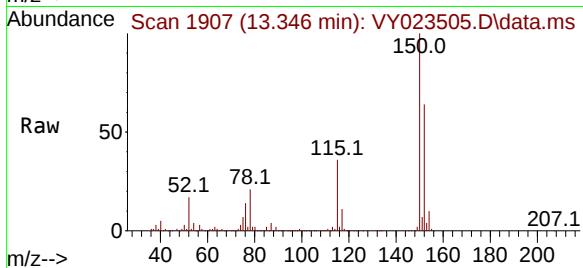
Tgt Ion:152 Resp: 435355

Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.2

150 157.6 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.536 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY023505.D

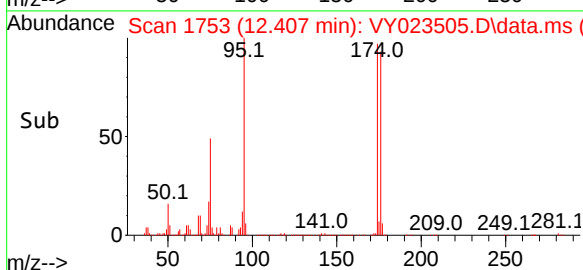
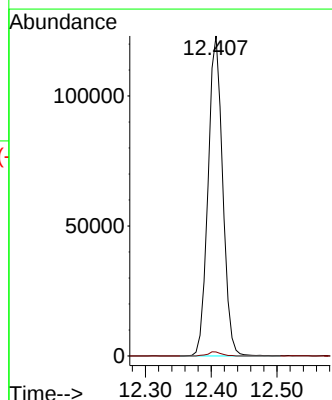
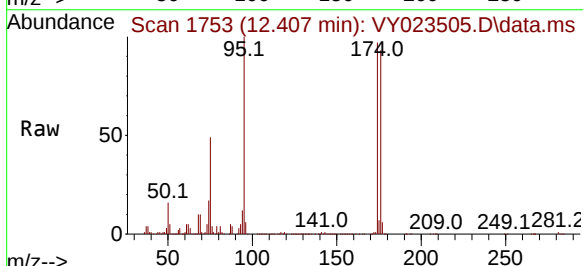
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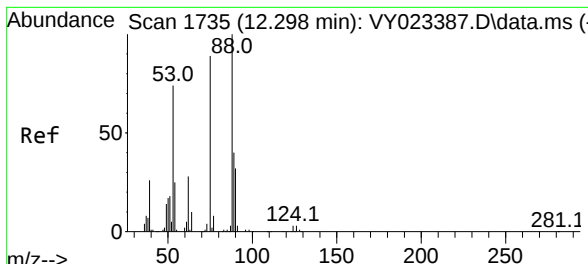
Tgt Ion: 75 Resp: 190266

Ion Ratio Lower Upper

75 100

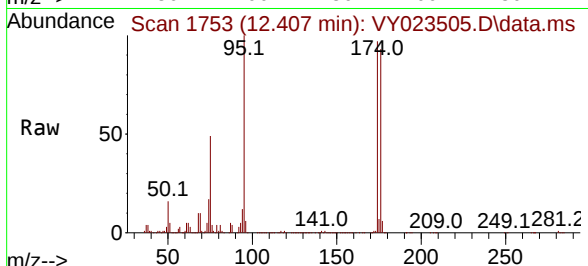
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.471 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023505.D
 Acq: 20 Oct 2025 13:49

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 190266
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.1 39.0 58.4#

