

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023297.D
 Acq On : 05 Sep 2025 14:38
 Operator : SY/MD
 Sample : Q3031-01
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 06 01:56:23 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)

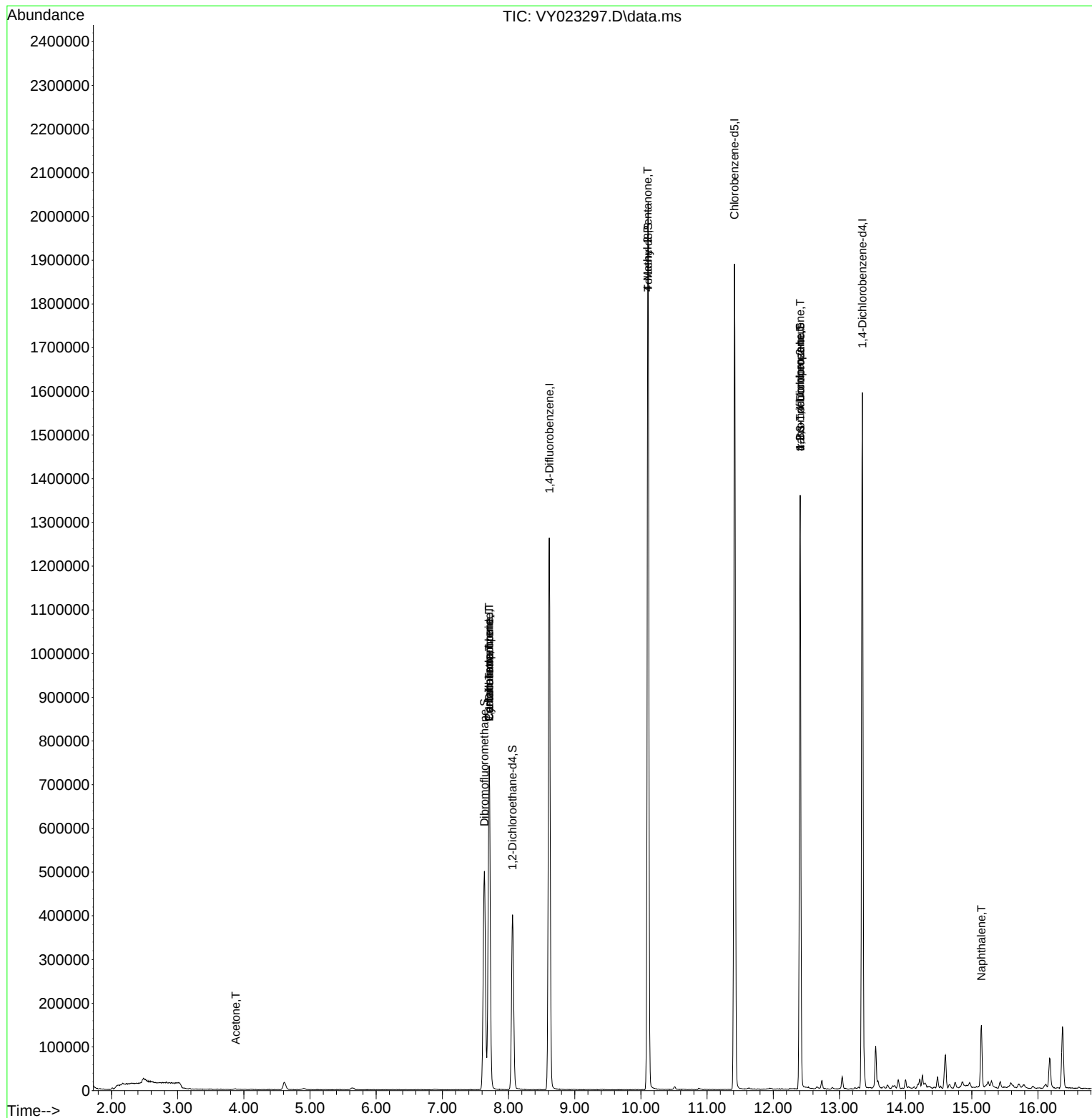
Internal Standards						
1) Pentafluorobenzene	7.707	168	591568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1122205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1023383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	423271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	310441	55.062	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.120%	
35) Dibromofluoromethane	7.634	113	363845	54.185	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.360%	
50) Toluene-d8	10.109	98	1334140	50.858	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	12.407	95	402526	47.714	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.420%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	3328	2.725	ug/l	97
20) Methylene Chloride	4.610	84	13149	Below Cal		88
31) Cyclohexane	7.707	56	10888	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	42824	4.291	ug/l #	50
38) Carbon Tetrachloride	7.707	117	56845	5.245	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5086	1.164	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	204751	50.122	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	204751	121.330	ug/l #	14
95) Naphthalene	15.145	128	117585	9.460	ug/l	99

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

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Quant Time: Sep 06 01:56:23 2025
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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

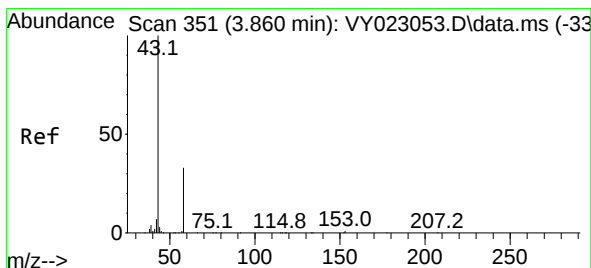
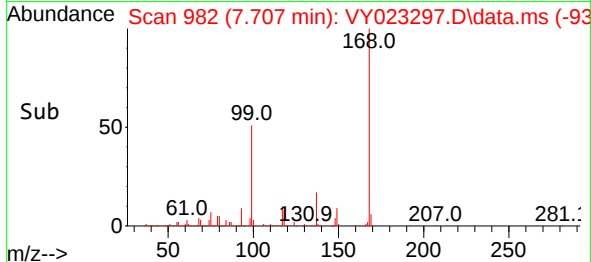
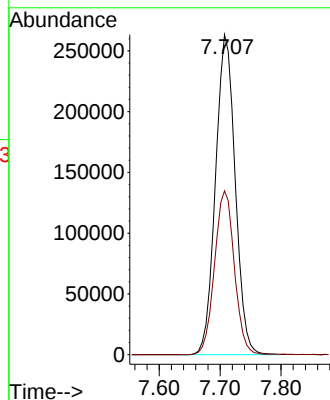
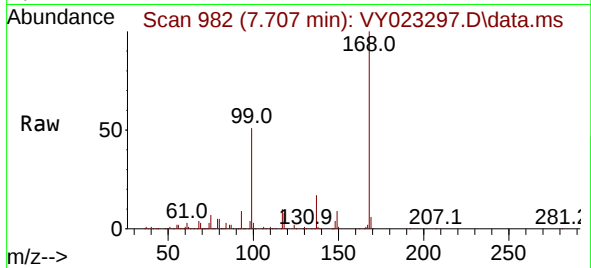




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

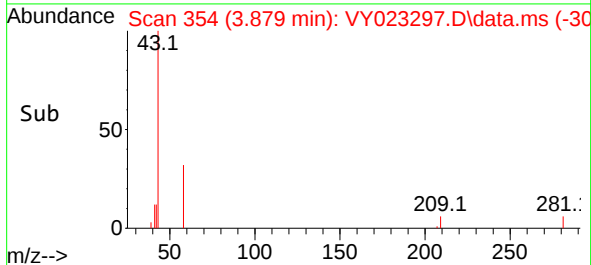
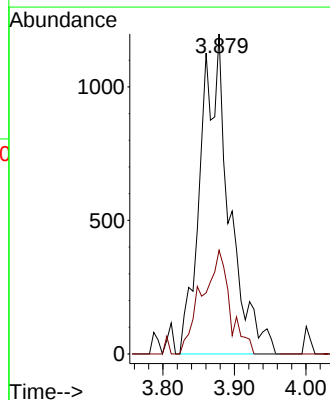
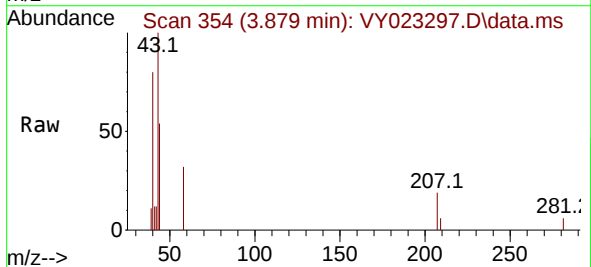
Instrument :
MSVOA_Y
ClientSampleId :

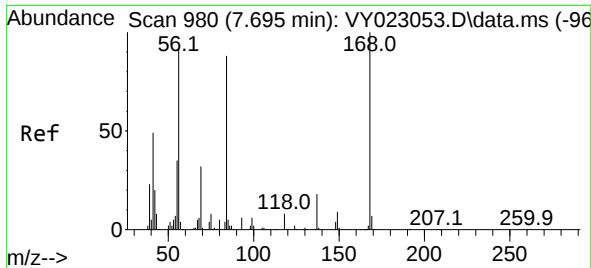
Tgt Ion:168 Resp: 591568
Ion Ratio Lower Upper
168 100
99 51.2 42.8 64.2



#16
Acetone
Concen: 2.725 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
58 32.4 27.1 40.7

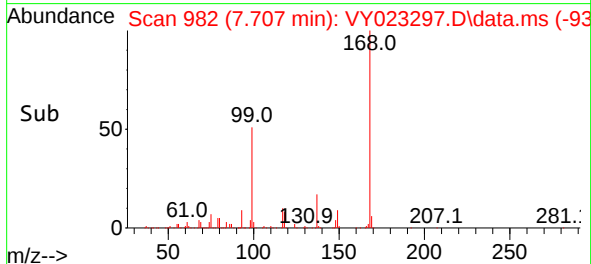
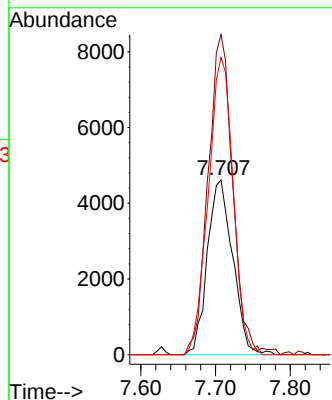
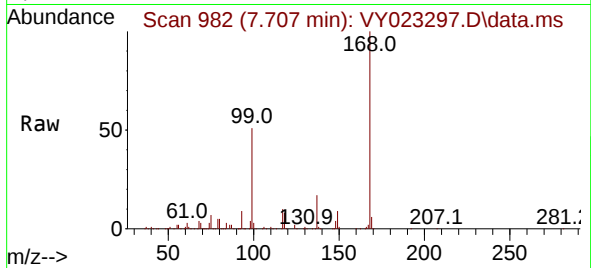




#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

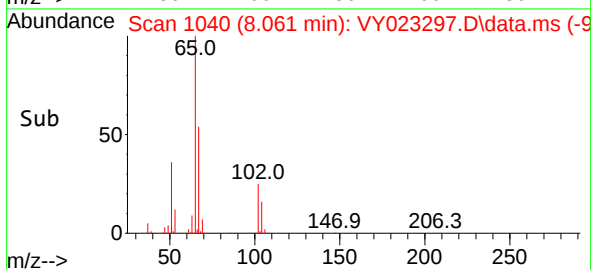
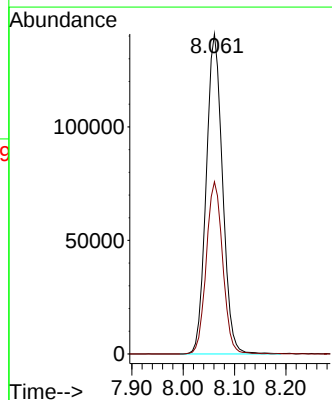
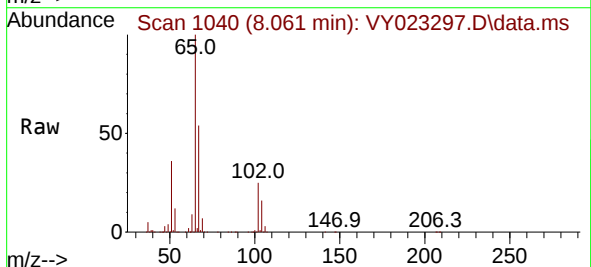
Instrument :
MSVOA_Y
ClientSampleId :

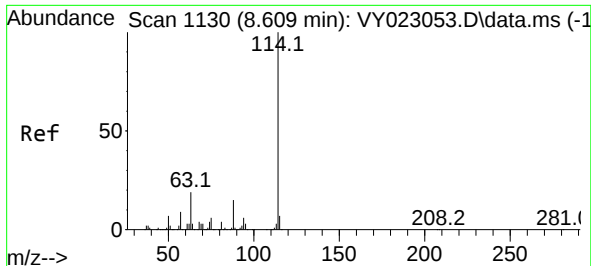
Tgt Ion: 56 Resp: 10888
Ion Ratio Lower Upper
56 100
69 183.0 28.2 42.2#
84 169.9 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 55.062 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

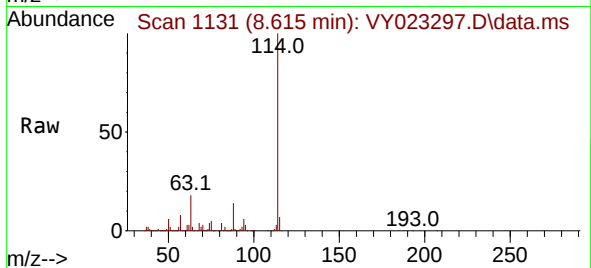
Tgt Ion: 65 Resp: 310441
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.8



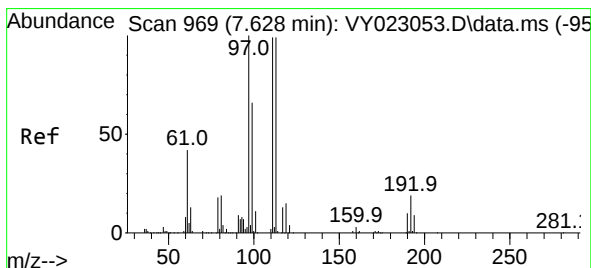
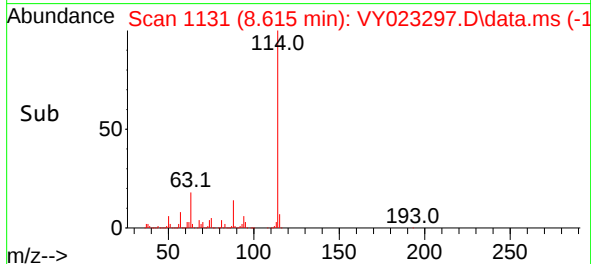
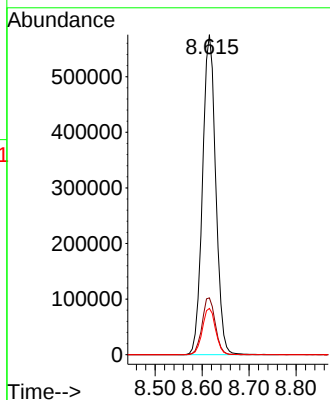


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :

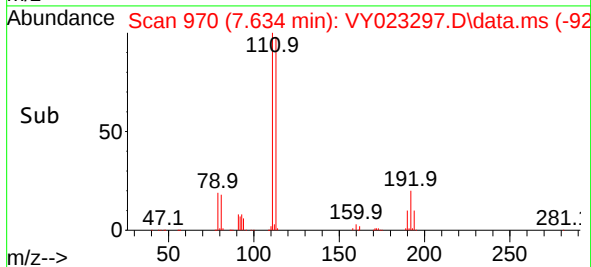
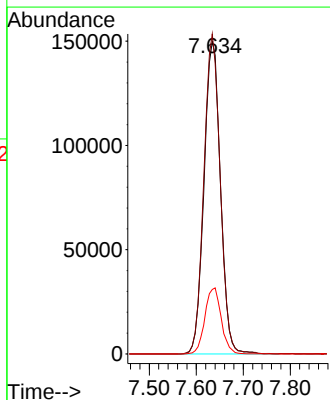
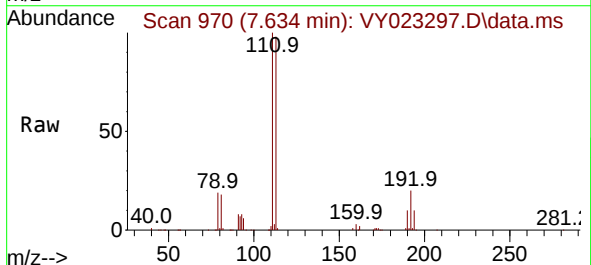


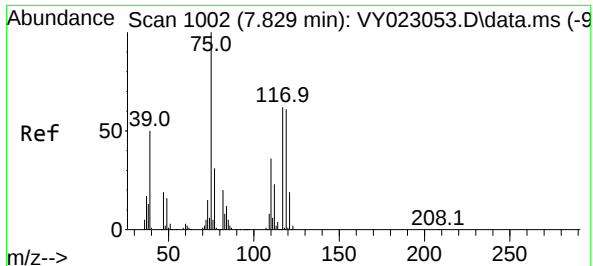
Tgt Ion:114 Resp: 1122205
Ion Ratio Lower Upper
114 100
63 17.8 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.185 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion:113 Resp: 363845
Ion Ratio Lower Upper
113 100
111 101.5 81.1 121.7
192 21.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.291 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023297.D

Acq: 05 Sep 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

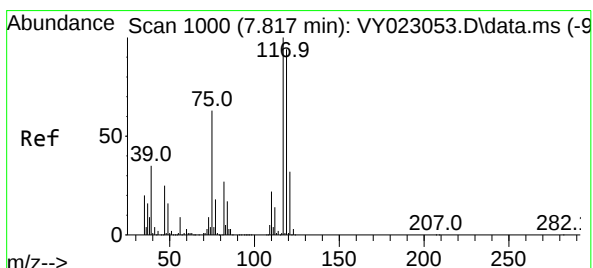
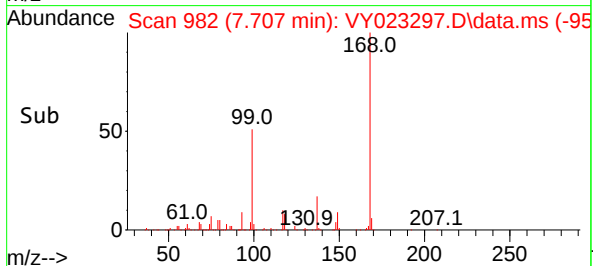
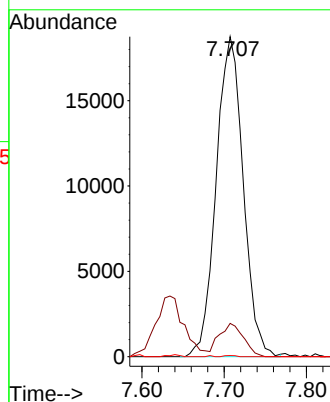
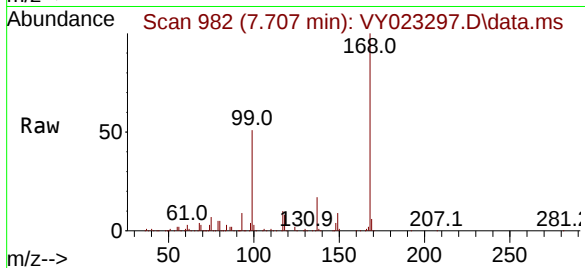
Tgt Ion: 75 Resp: 42824

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.245 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023297.D

Acq: 05 Sep 2025 14:38

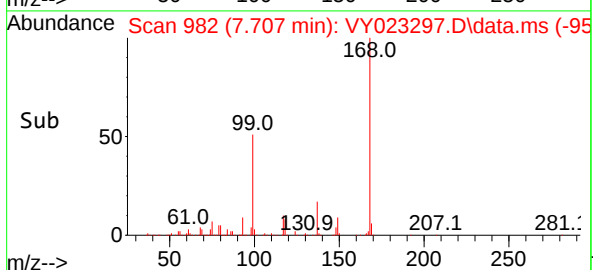
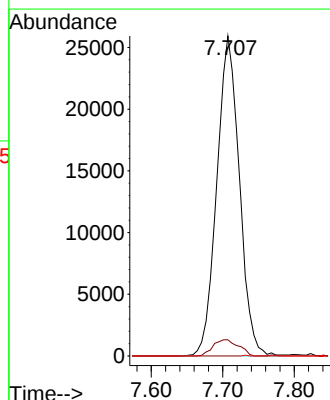
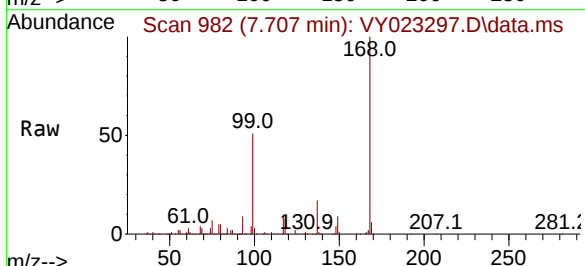
Tgt Ion: 117 Resp: 56845

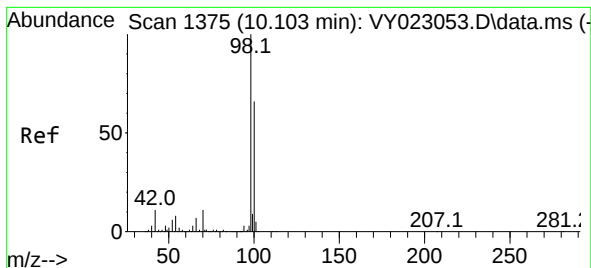
Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 50.858 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023297.D

Acq: 05 Sep 2025 14:38

Instrument :

MSVOA_Y

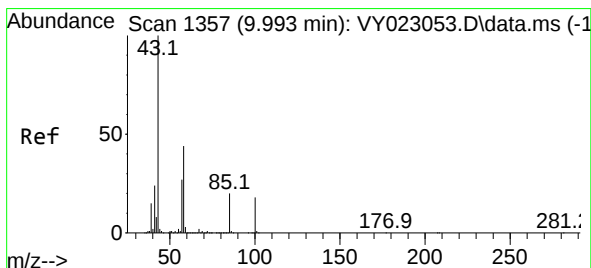
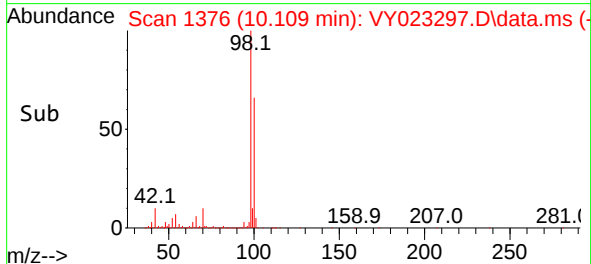
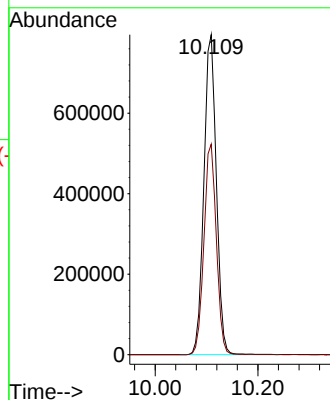
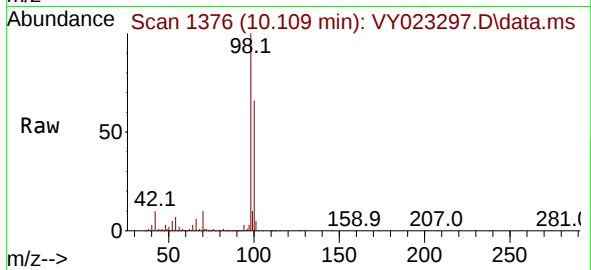
ClientSampleId :

Tgt Ion: 98 Resp: 1334140

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 1.164 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY023297.D

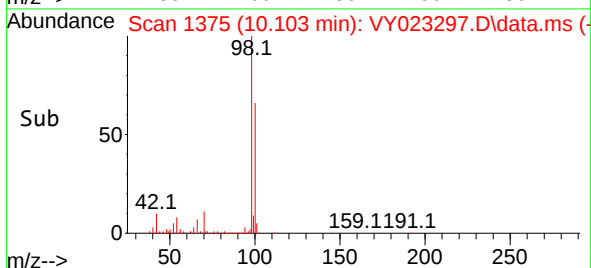
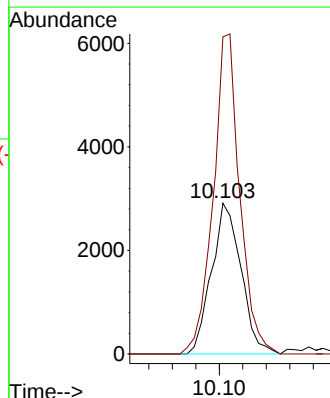
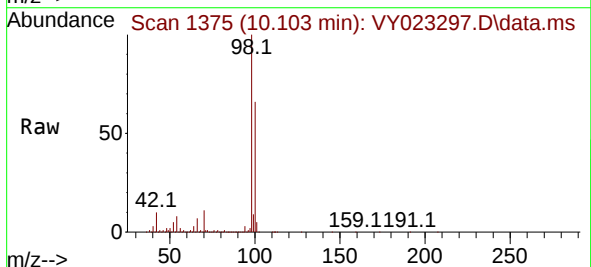
Acq: 05 Sep 2025 14:38

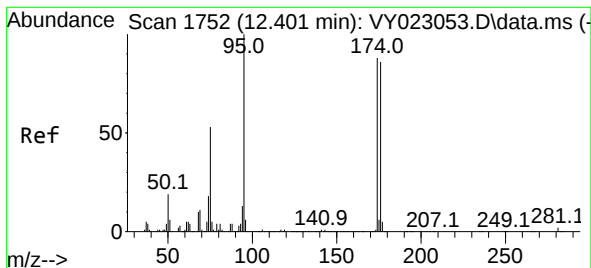
Tgt Ion: 43 Resp: 5086

Ion Ratio Lower Upper

43 100

58 190.8 33.5 50.3#

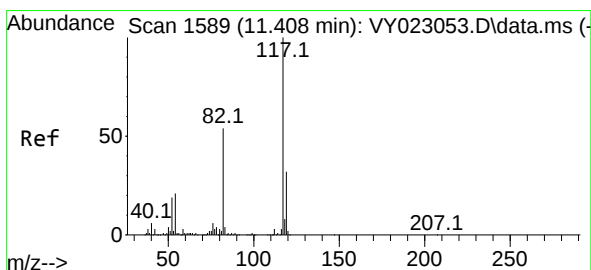
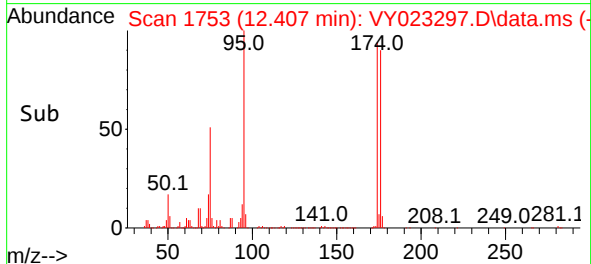
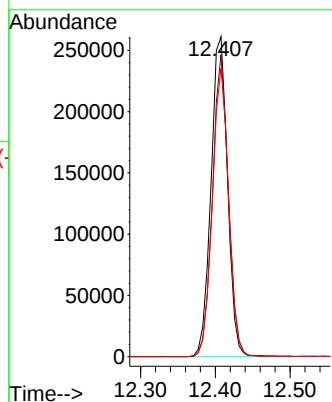
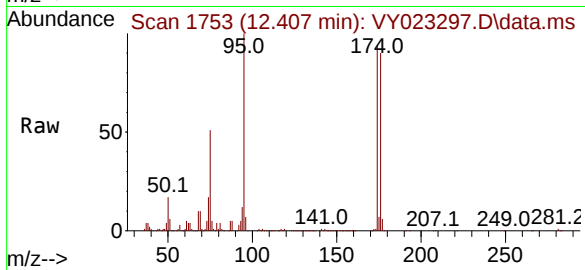




#62
4-Bromofluorobenzene
Concen: 47.714 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

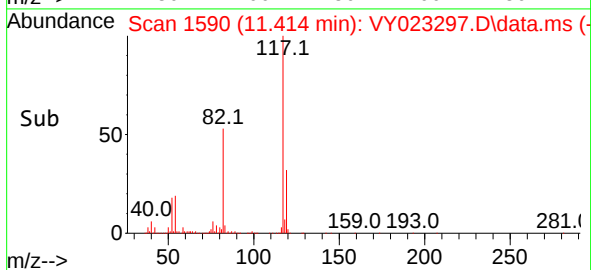
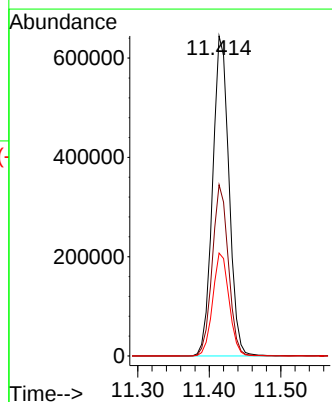
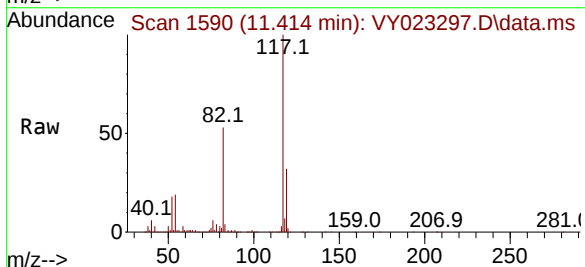
Instrument :
MSVOA_Y
ClientSampleId :

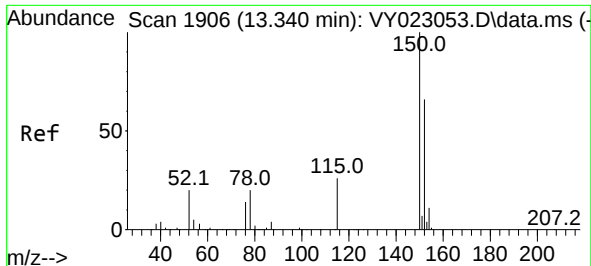
Tgt Ion: 95 Resp: 402526
Ion Ratio Lower Upper
95 100
174 90.9 0.0 171.6
176 88.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

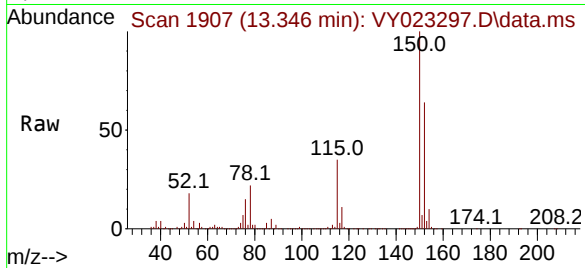
Tgt Ion: 117 Resp: 1023383
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.2 25.6 38.4



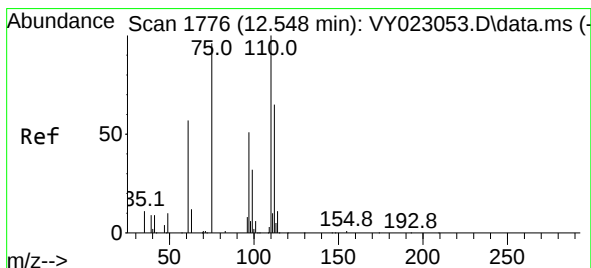
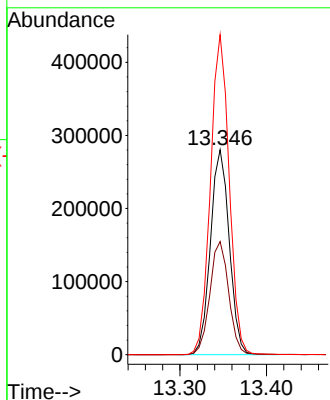
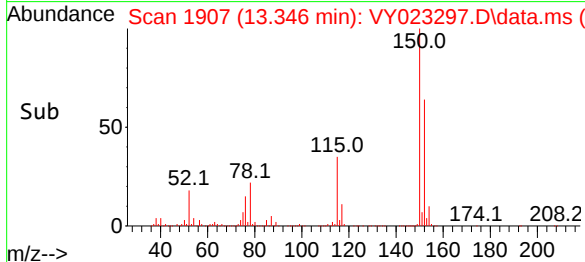


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023297.D
 Acq: 05 Sep 2025 14:38

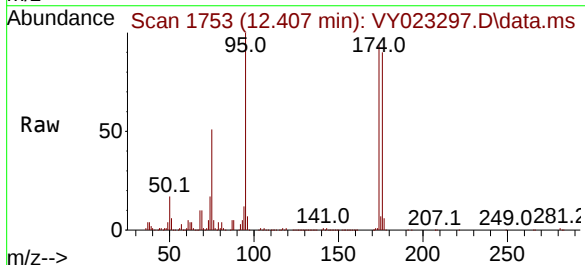
Instrument :
 MSVOA_Y
 ClientSampleId :



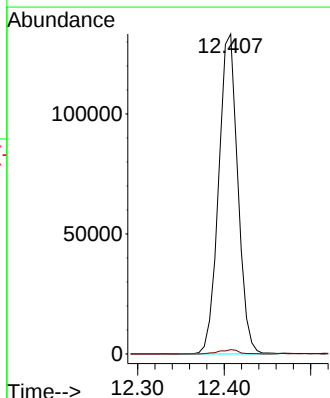
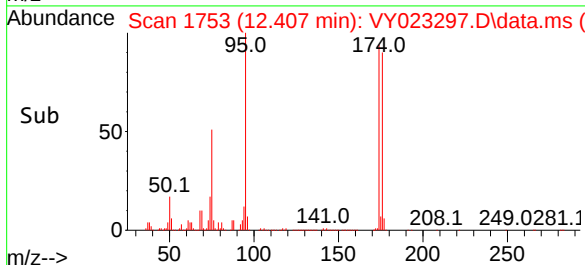
Tgt Ion:152 Resp: 423271
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.2 84.6
 150 155.3 0.0 348.0

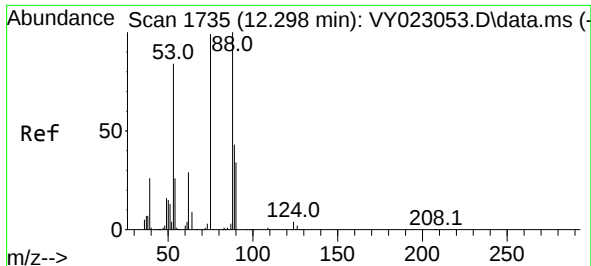


#76
 1,2,3-Trichloropropane
 Concen: 50.122 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.140 min
 Lab File: VY023297.D
 Acq: 05 Sep 2025 14:38



Tgt Ion: 75 Resp: 204751
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

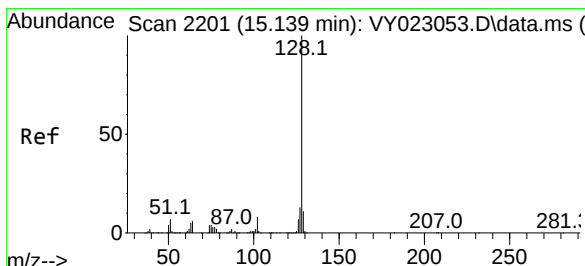
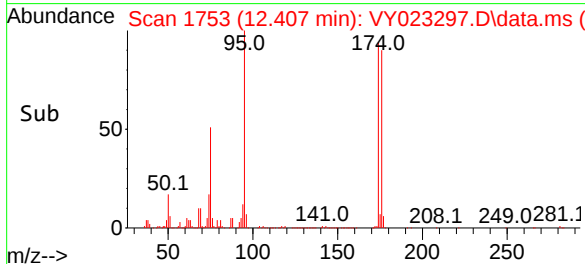
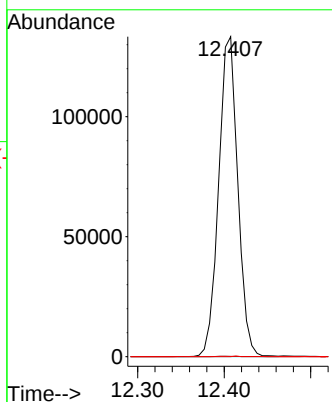
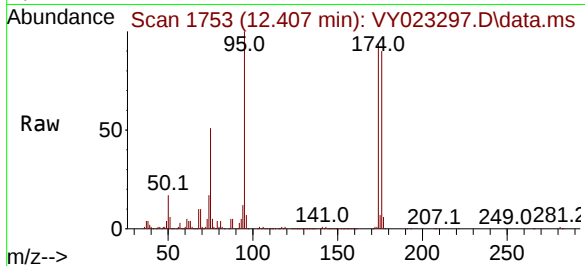




#81
trans-1,4-Dichloro-2-butene
Concen: 121.330 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 204751
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#



#95
Naphthalene
Concen: 9.460 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY023297.D
Acq: 05 Sep 2025 14:38

Tgt Ion: 128 Resp: 117585
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.2 9.0 13.4

