

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023295.D
 Acq On : 05 Sep 2025 12:25
 Operator : SY/MD
 Sample : Q3026-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 06 01:55:30 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	389844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	699171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	634514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274005	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	200509	53.966	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.940%
35) Dibromofluoromethane	7.634	113	232440	55.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.120%
50) Toluene-d8	10.103	98	831418	50.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.740%
62) 4-Bromofluorobenzene	12.402	95	257236	48.941	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.880%

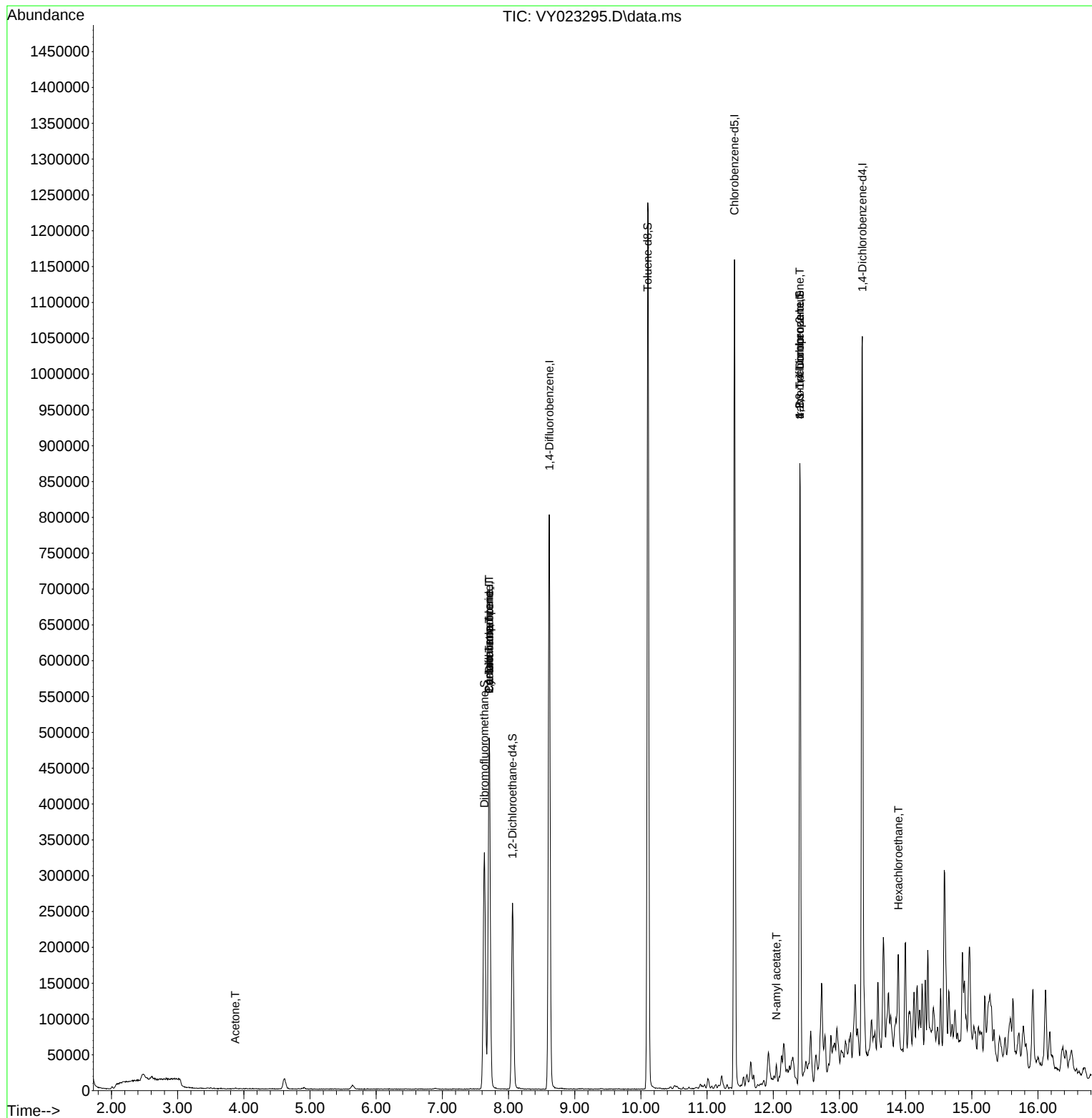
Target Compounds					Qvalue	
16) Acetone	3.873	43	1135	1.410	ug/l	92
20) Methylene Chloride	4.610	84	11172	Below Cal	#	84
31) Cyclohexane	7.707	56	7372	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	29083	4.678	ug/l #	50
38) Carbon Tetrachloride	7.707	117	36668	5.430	ug/l #	17
74) N-amyl acetate	12.048	43	4731	1.154	ug/l #	66
76) 1,2,3-Trichloropropane	12.402	75	129644	49.025	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	129644	118.674	ug/l #	14
90) Hexachloroethane	13.889	117	6170	1.751	ug/l #	12

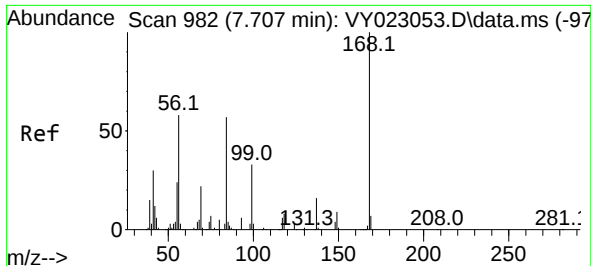
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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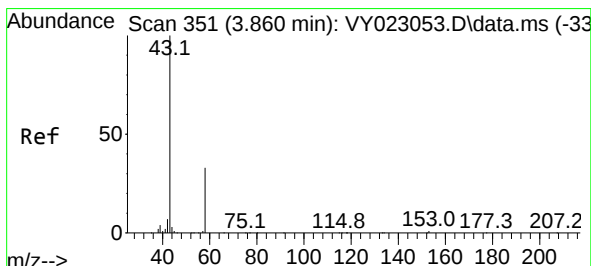
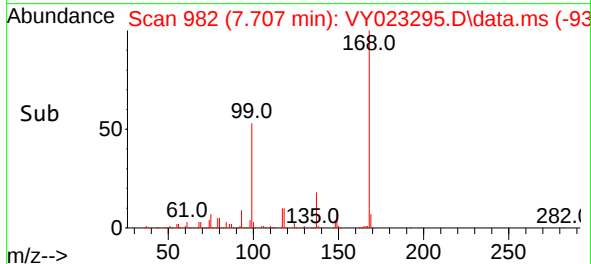
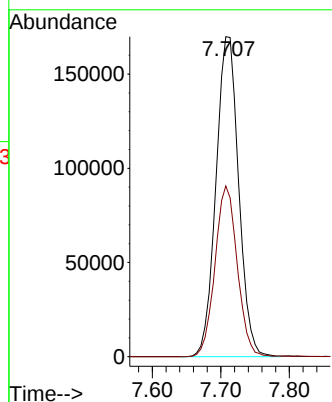
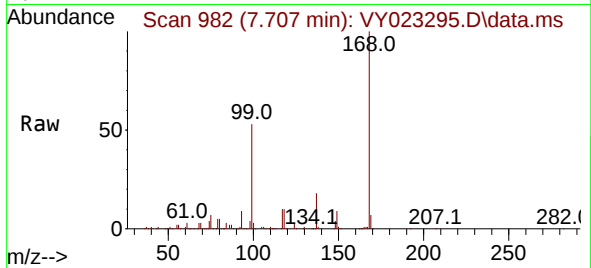




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

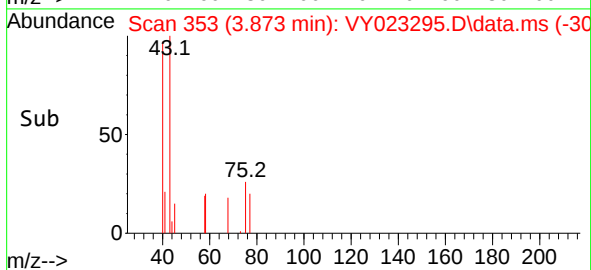
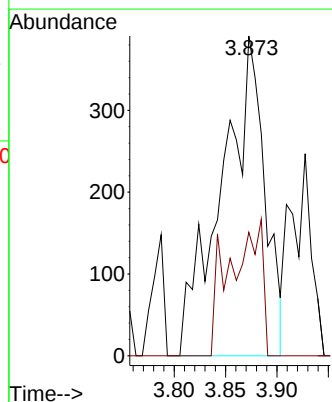
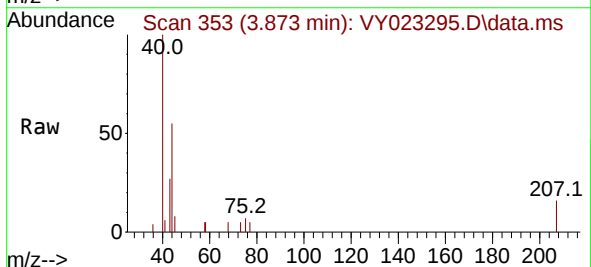
Instrument :
MSVOA_Y
ClientSampleId :

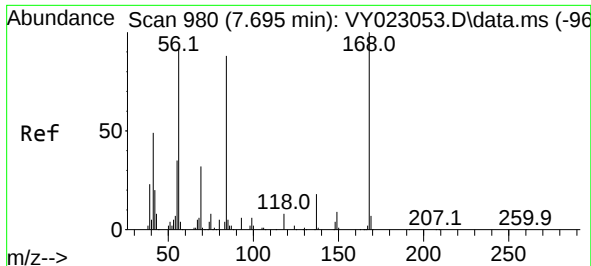
Tgt Ion:168 Resp: 389844
Ion Ratio Lower Upper
168 100
99 53.3 42.8 64.2



#16
Acetone
Concen: 1.410 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 38.6 27.1 40.7

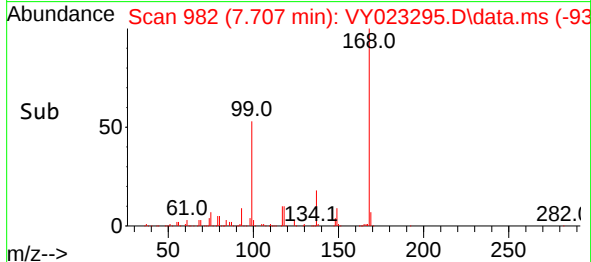
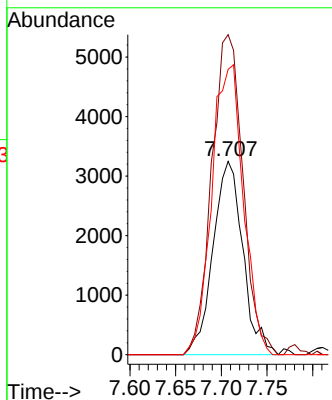
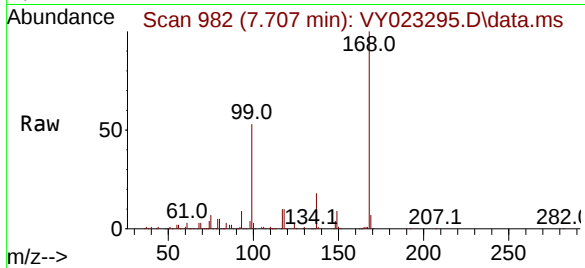




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

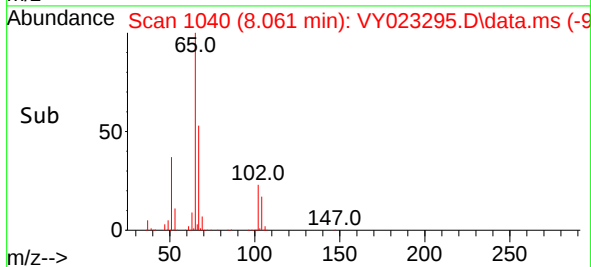
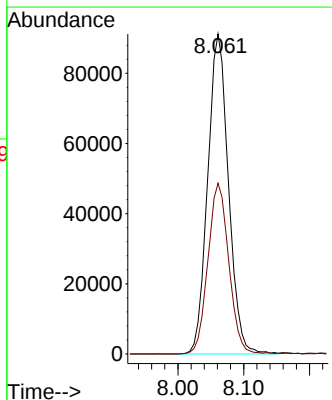
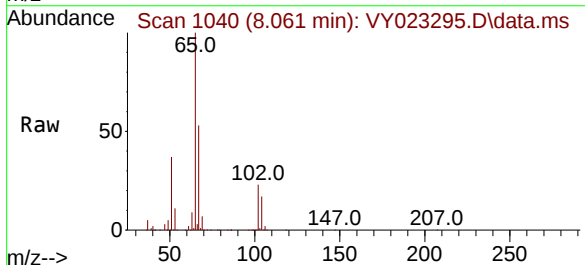
Instrument :
MSVOA_Y
ClientSampleId :

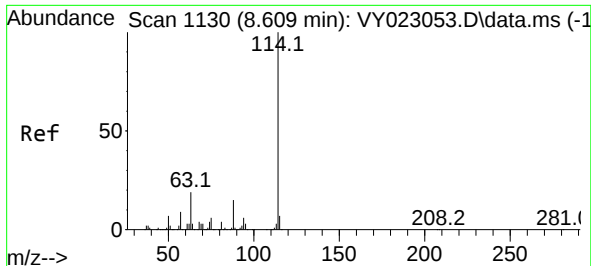
Tgt Ion: 56 Resp: 7372
Ion Ratio Lower Upper
56 100
69 165.5 28.2 42.2#
84 147.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 53.966 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Tgt Ion: 65 Resp: 200509
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

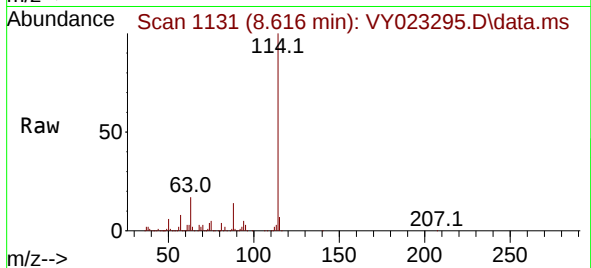
Lab File: VY023295.D

Acq: 05 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :



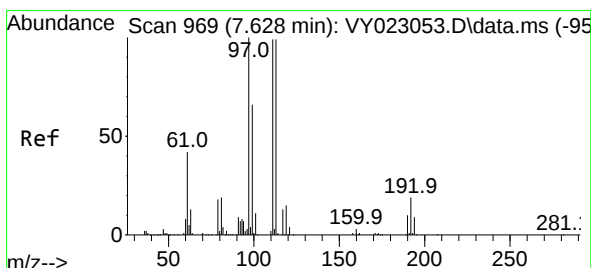
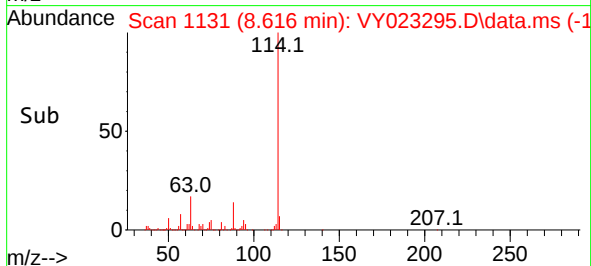
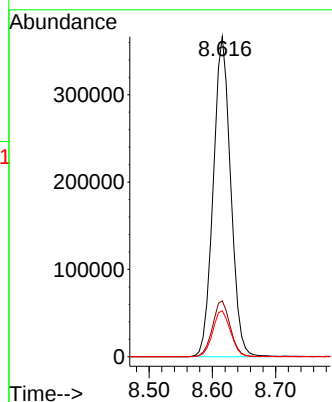
Tgt Ion:114 Resp: 699171

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.560 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023295.D

Acq: 05 Sep 2025 12:25

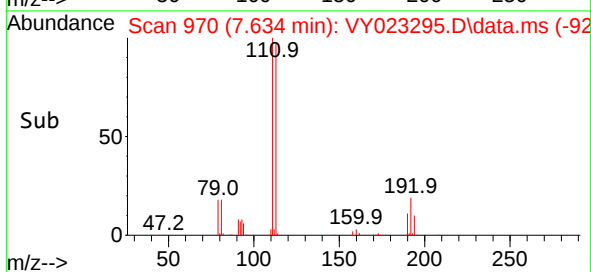
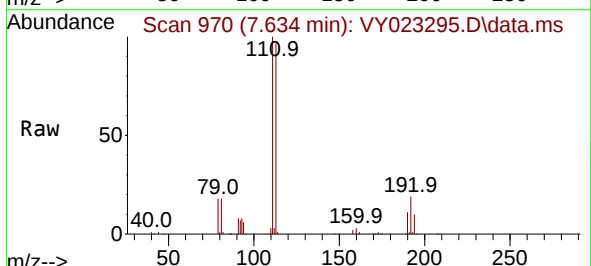
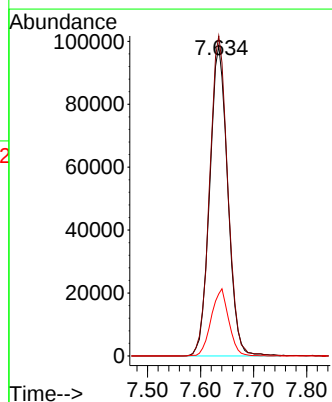
Tgt Ion:113 Resp: 232440

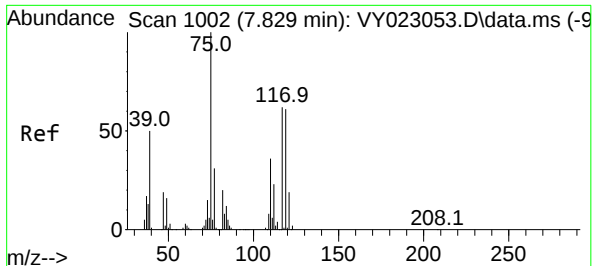
Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

192 21.0 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023295.D

Acq: 05 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :

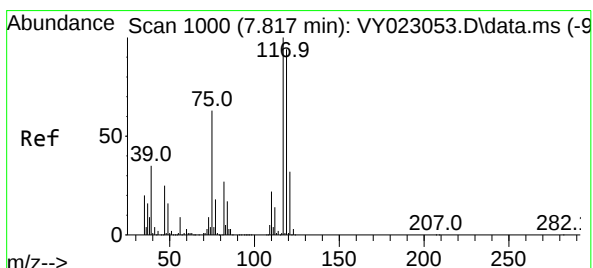
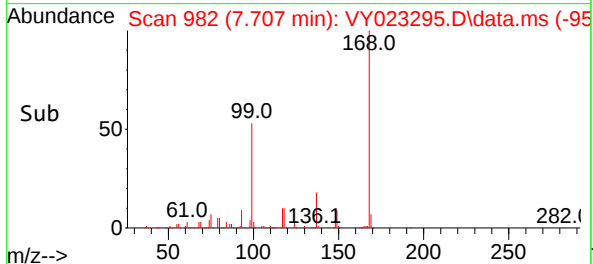
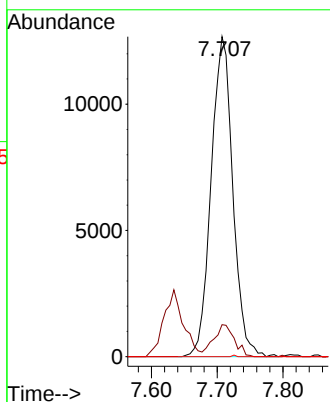
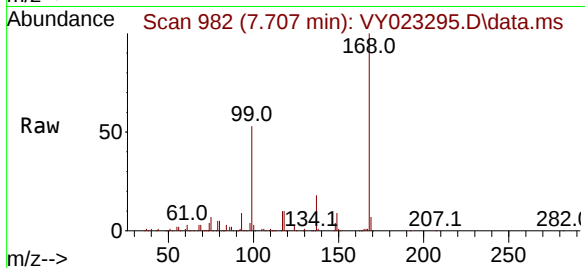
Tgt Ion: 75 Resp: 29083

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.430 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023295.D

Acq: 05 Sep 2025 12:25

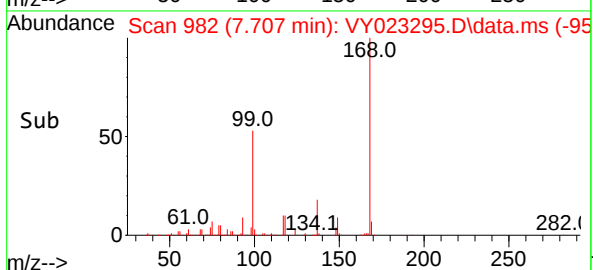
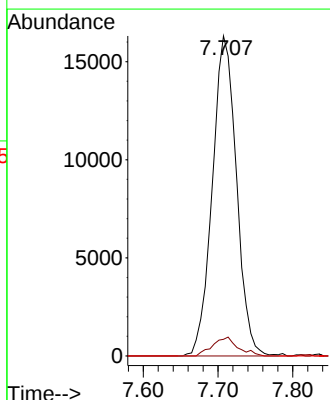
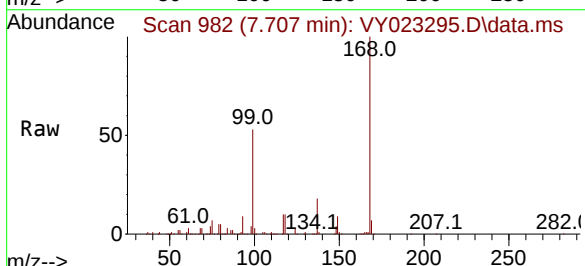
Tgt Ion: 117 Resp: 36668

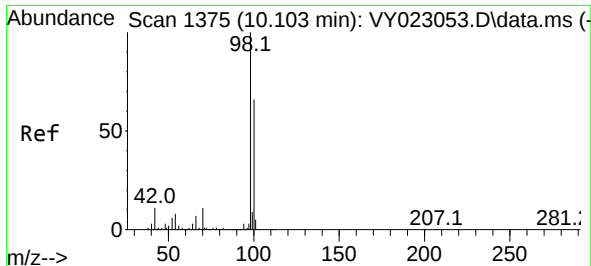
Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

121 0.0 25.8 38.8#

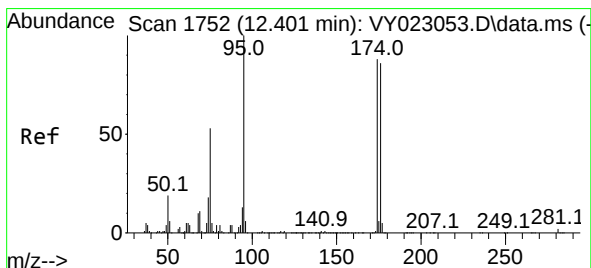
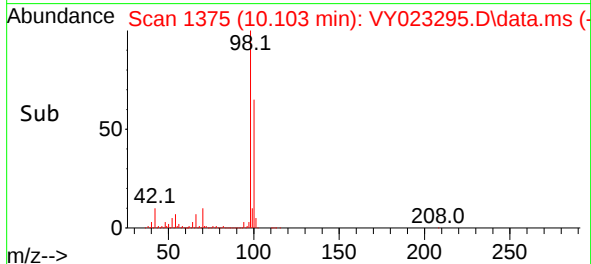
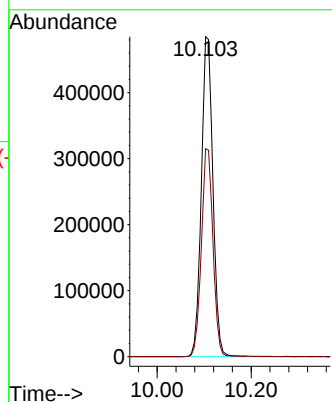
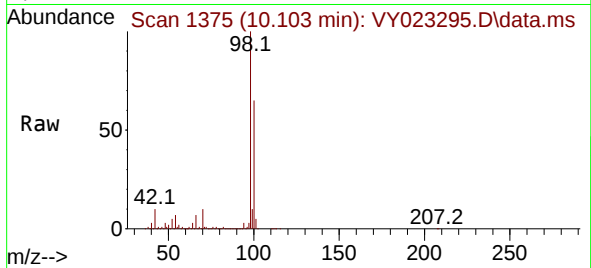




#50
Toluene-d8
Concen: 50.871 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

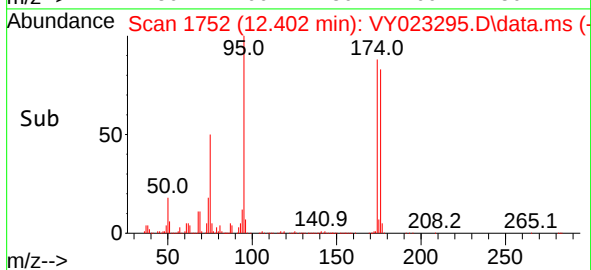
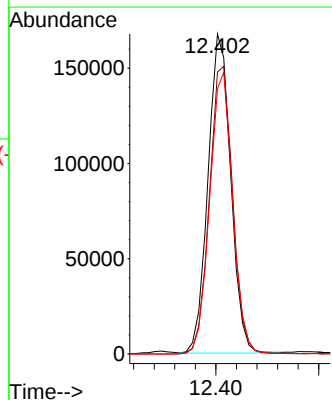
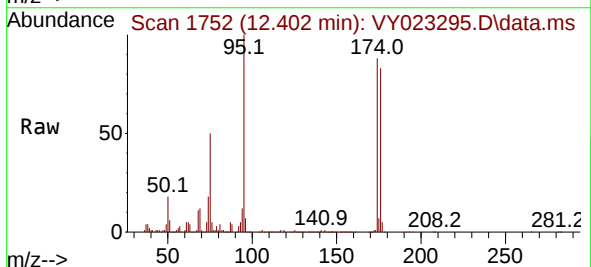
Instrument :
MSVOA_Y
ClientSampleId :

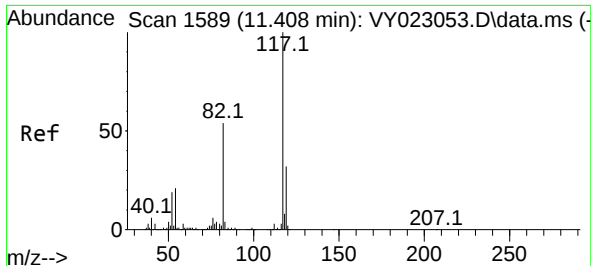
Tgt Ion: 98 Resp: 831418
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.941 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Tgt Ion: 95 Resp: 257236
Ion Ratio Lower Upper
95 100
174 92.5 0.0 171.6
176 89.1 0.0 167.6

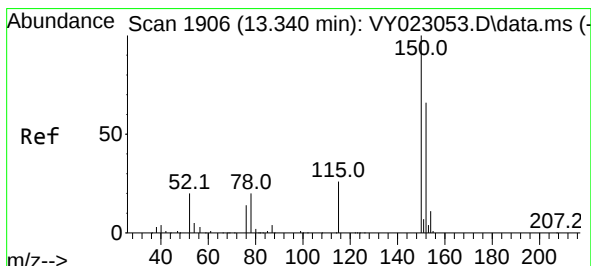
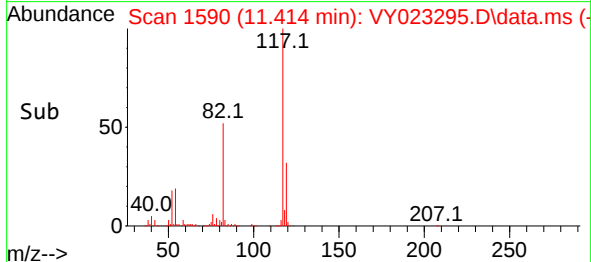
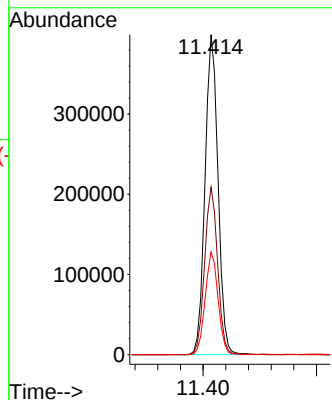
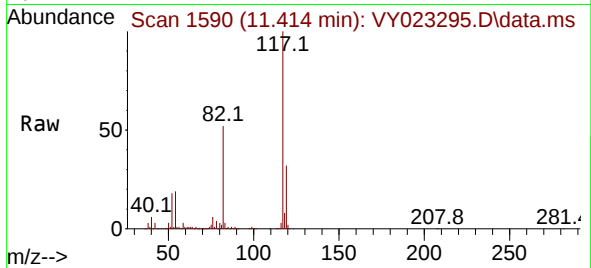




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

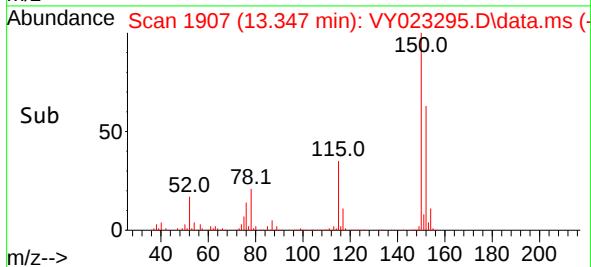
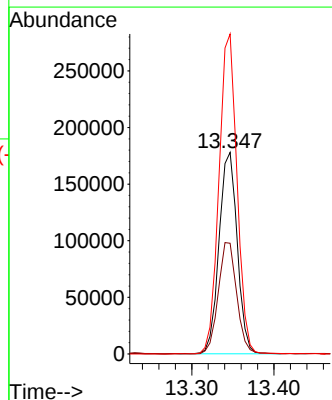
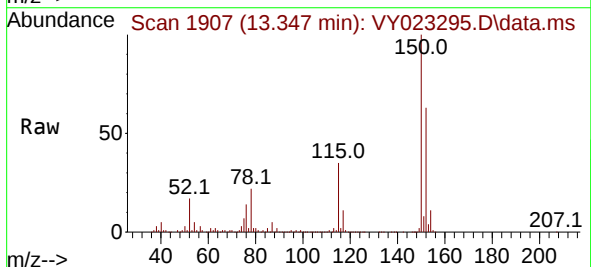
Instrument :
MSVOA_Y
ClientSampleId :

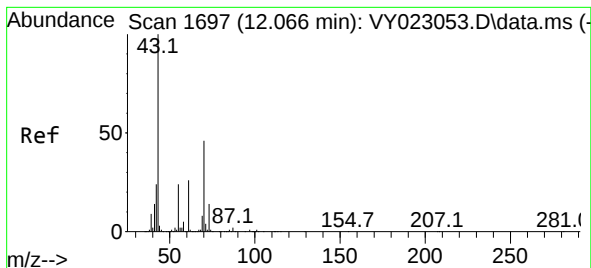
Tgt Ion:117 Resp: 634514
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Tgt Ion:152 Resp: 274005
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.6
150 157.5 0.0 348.0





#74

N-amy1 acetate

Concen: 1.154 ug/l

RT: 12.048 min Scan# 1

Delta R.T. -0.018 min

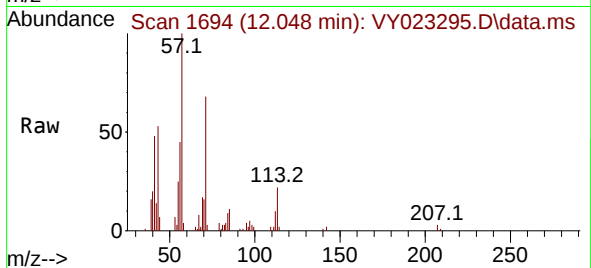
Lab File: VY023295.D

Acq: 05 Sep 2025 12:25

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 4731

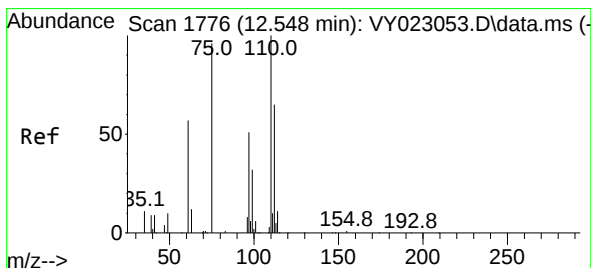
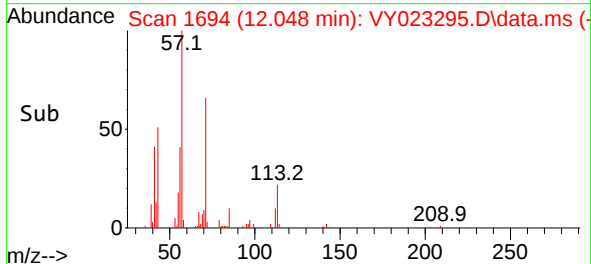
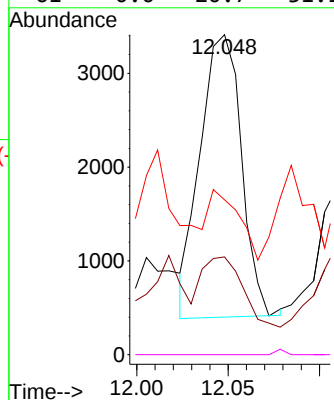
Ion Ratio Lower Upper

43 100

70 24.4 37.5 56.3#

55 17.6 20.7 31.1#

61 0.0 20.7 31.1#



#76

1,2,3-Trichloropropane

Concen: 49.025 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023295.D

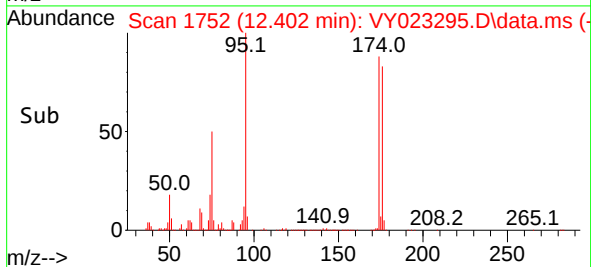
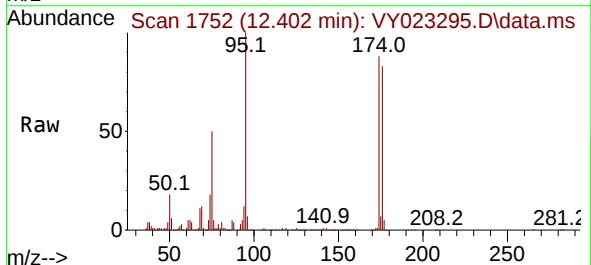
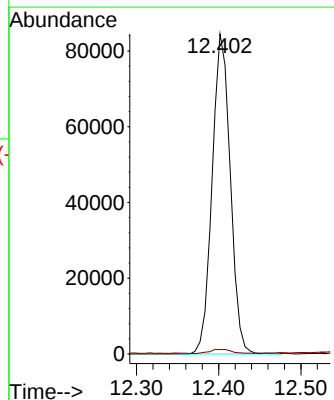
Acq: 05 Sep 2025 12:25

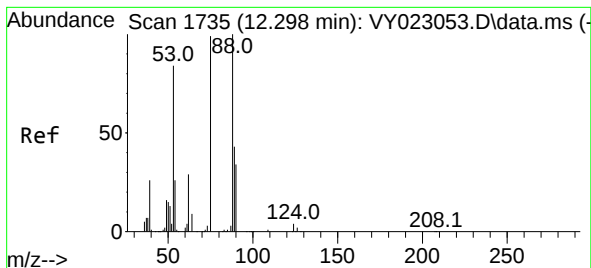
Tgt Ion: 75 Resp: 129644

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

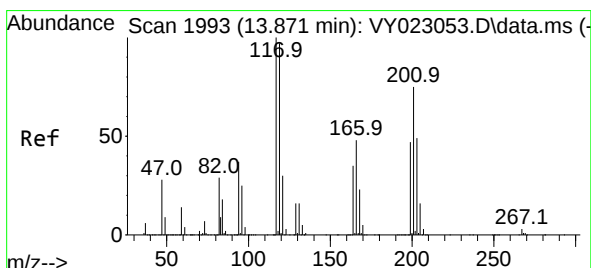
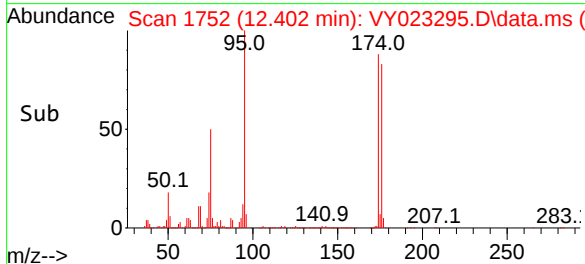
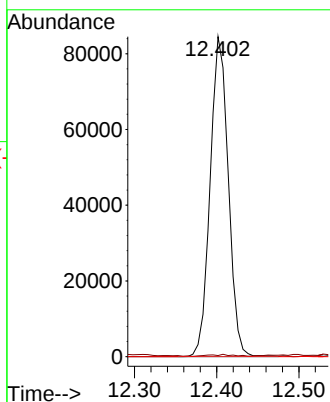
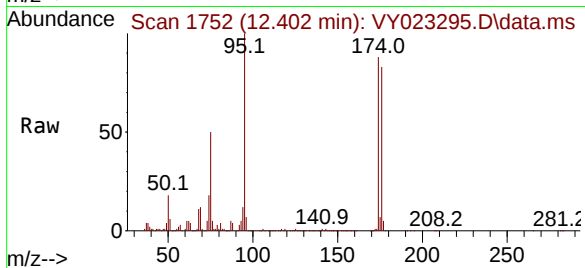




#81
trans-1,4-Dichloro-2-butene
Concen: 118.674 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 129644
Ion Ratio Lower Upper
75 100
53 0.3 70.8 106.2#
89 0.0 38.1 57.1#



#90
Hexachloroethane
Concen: 1.751 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.018 min
Lab File: VY023295.D
Acq: 05 Sep 2025 12:25

Tgt Ion: 117 Resp: 6170
Ion Ratio Lower Upper
117 100
201 0.8 38.4 115.1#

