

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023286.D
 Acq On : 04 Sep 2025 15:28
 Operator : SY/MD
 Sample : Q3023-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 05 04:25:48 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)

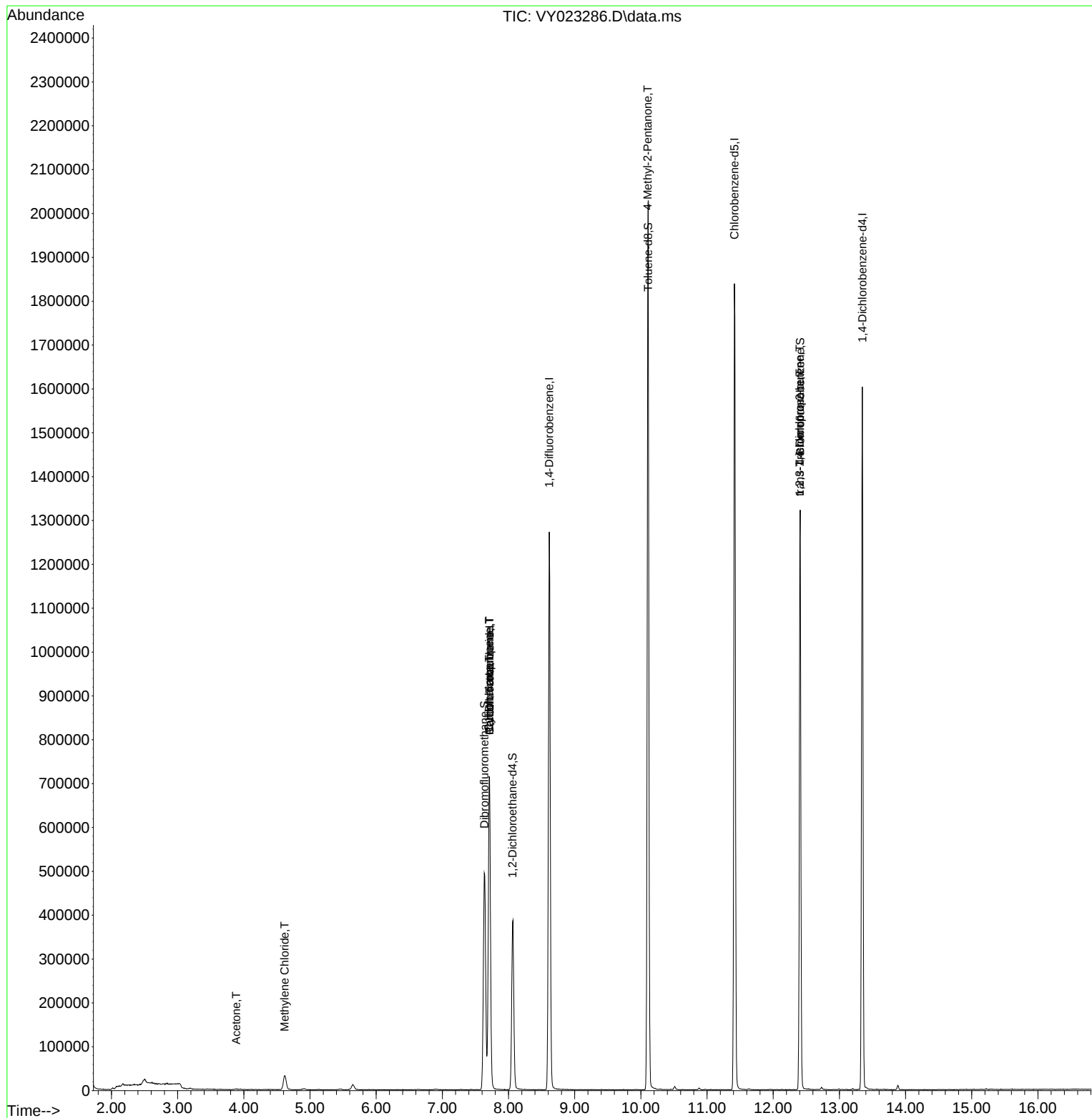
Internal Standards						
1) Pentafluorobenzene	7.713	168	582364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1113419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1024645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	419135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	305634	55.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.140%	
35) Dibromofluoromethane	7.634	113	362895	54.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.940%	
50) Toluene-d8	10.109	98	1331201	51.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.300%	
62) 4-Bromofluorobenzene	12.408	95	392533	46.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	2569	2.136	ug/l	89
20) Methylene Chloride	4.616	84	25472	1.437	ug/l	92
31) Cyclohexane	7.707	56	10849	1.049	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41294	4.171	ug/l #	49
38) Carbon Tetrachloride	7.713	117	54806	5.096	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4842	1.117	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	196881	48.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	196881	117.818	ug/l #	14

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
Data File : VY023286.D
Acq On : 04 Sep 2025 15:28
Operator : SY/MD
Sample : Q3023-04
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 05 04:25:48 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

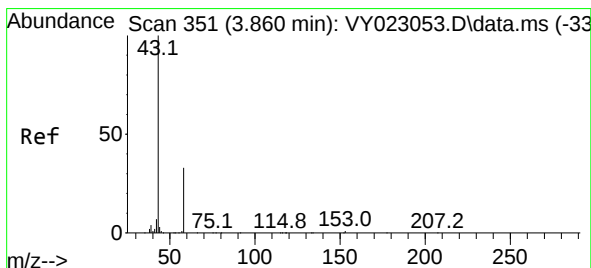
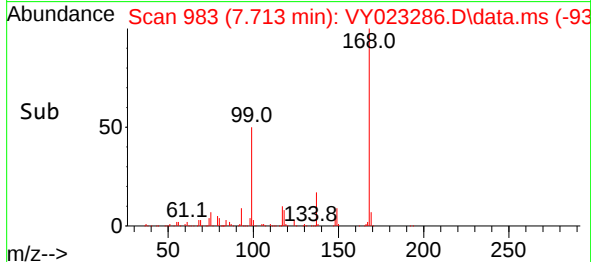
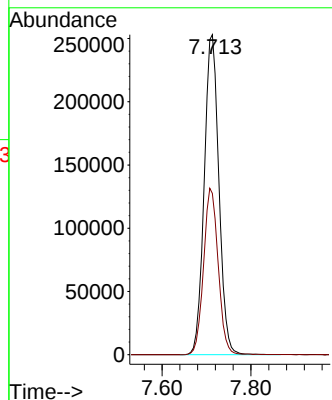
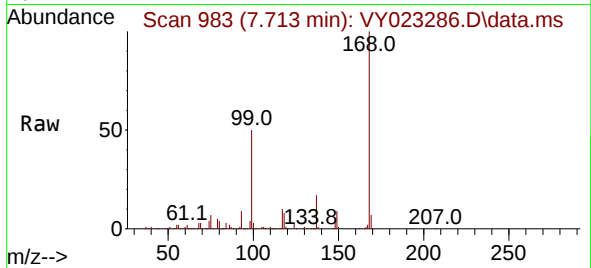




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

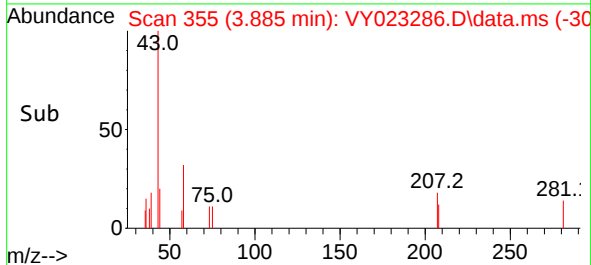
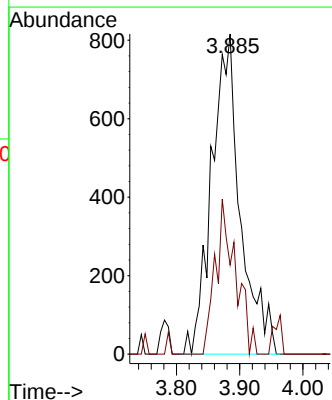
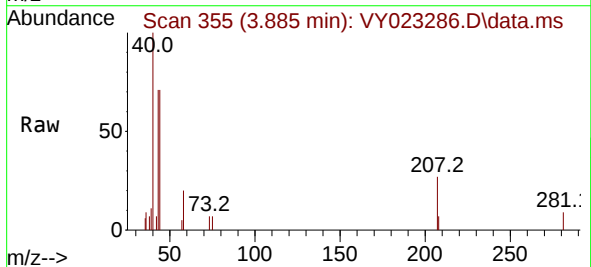
Instrument :
MSVOA_Y
ClientSampleId :

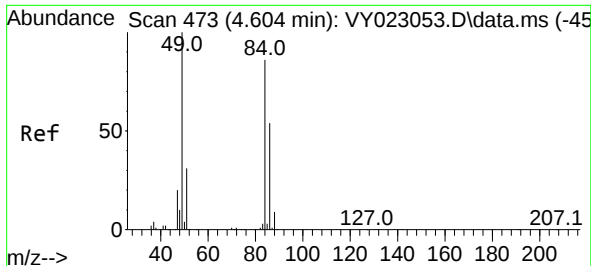
Tgt Ion:168 Resp: 582364
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#16
Acetone
Concen: 2.136 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.024 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion: 43 Resp: 2569
Ion Ratio Lower Upper
43 100
58 27.8 27.1 40.7





#20

Methylene Chloride

Concen: 1.437 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.012 min

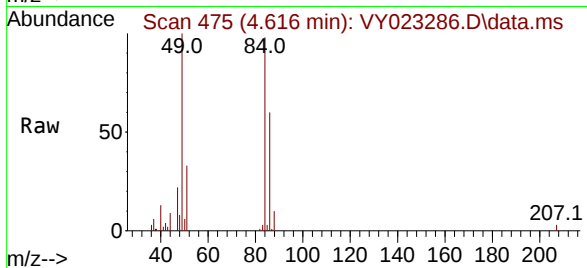
Lab File: VY023286.D

Acq: 04 Sep 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 25472

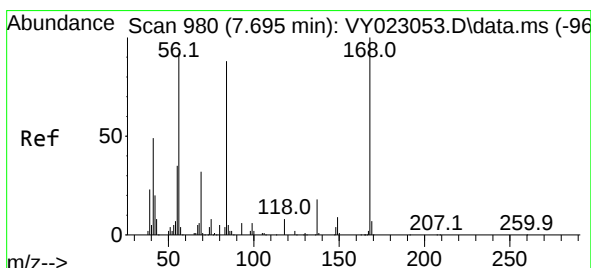
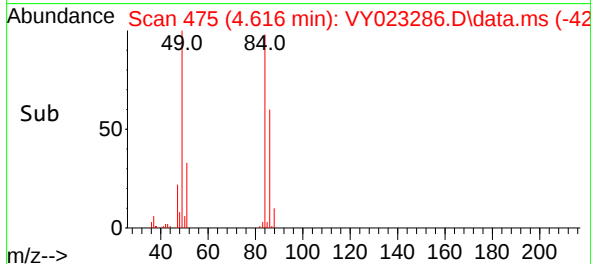
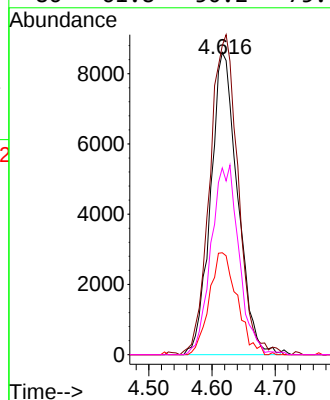
Ion Ratio Lower Upper

84 100

49 102.4 93.0 139.6

51 33.8 29.0 43.4

86 61.8 50.2 75.4



#31

Cyclohexane

Concen: 1.049 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY023286.D

Acq: 04 Sep 2025 15:28

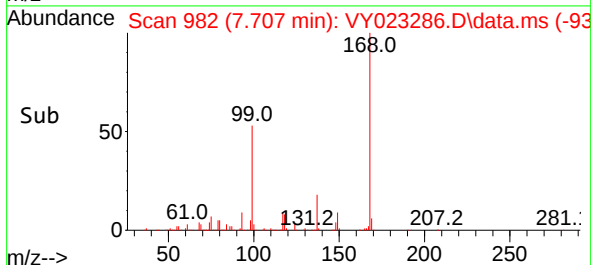
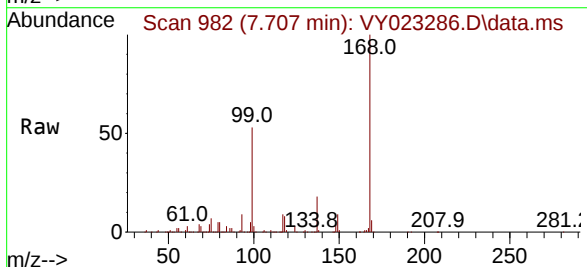
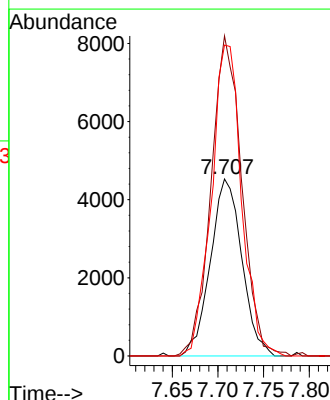
Tgt Ion: 56 Resp: 10849

Ion Ratio Lower Upper

56 100

69 179.6 28.2 42.2#

84 175.7 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 55.066 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023286.D

Acq: 04 Sep 2025 15:28

Instrument :

MSVOA_Y

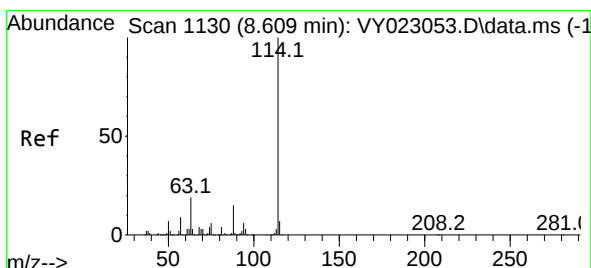
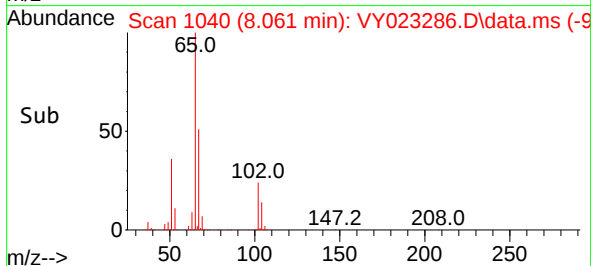
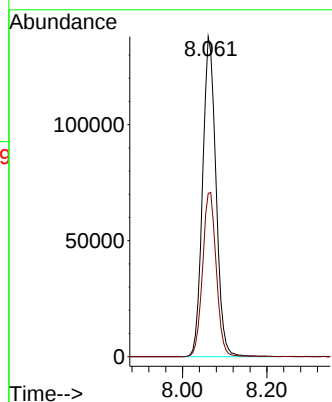
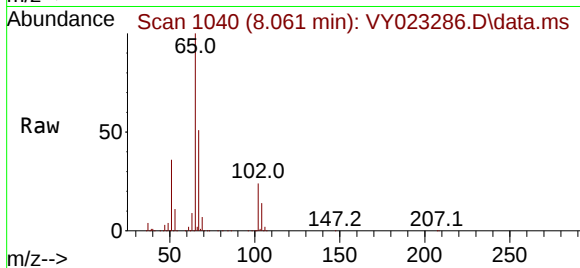
ClientSampleId :

Tgt Ion: 65 Resp: 305634

Ion Ratio Lower Upper

65 100

67 52.4 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: VY023286.D

Acq: 04 Sep 2025 15:28

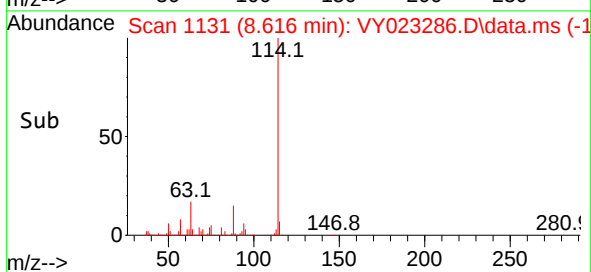
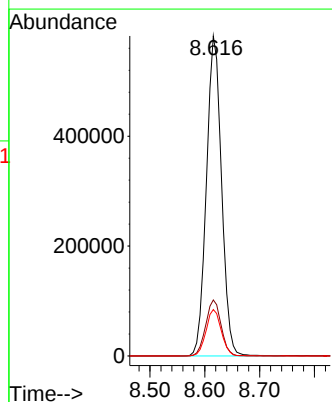
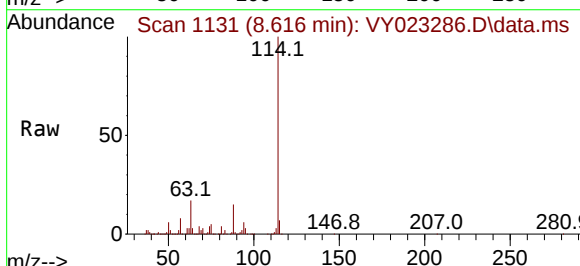
Tgt Ion:114 Resp: 1113419

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.4

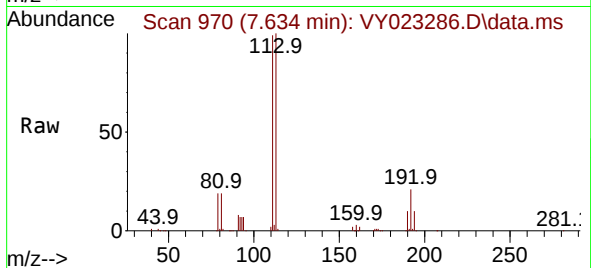
88 14.5 0.0 30.0



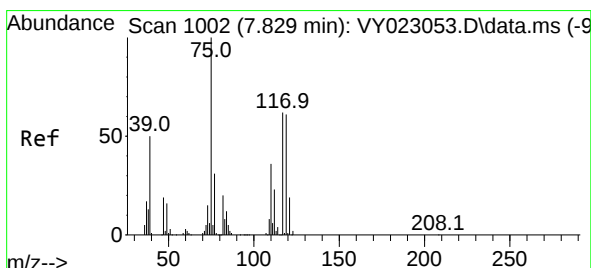
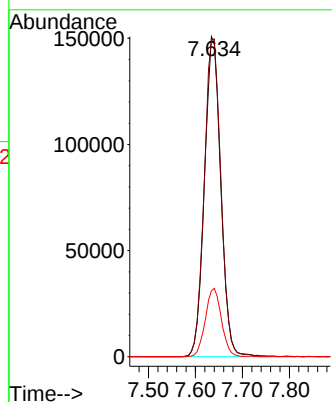
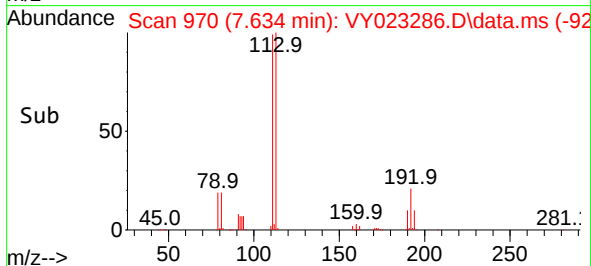


#35
Dibromofluoromethane
Concen: 54.470 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

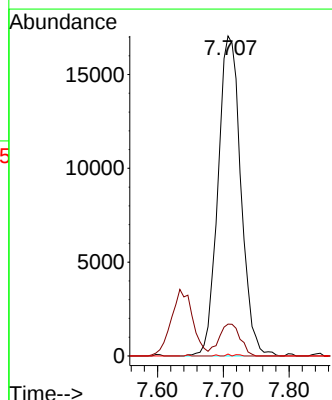
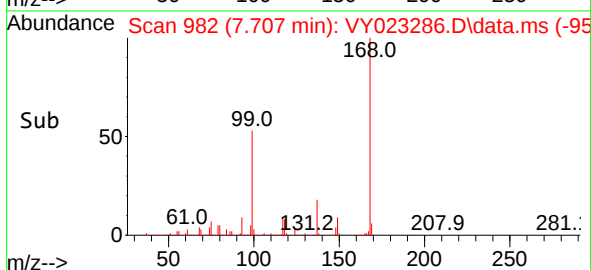
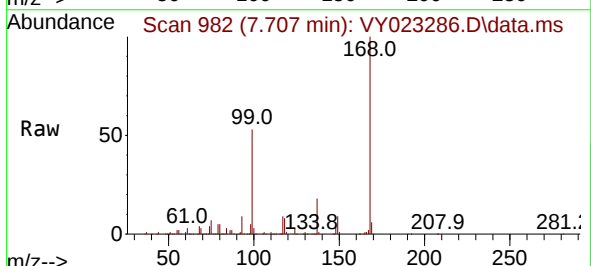


Tgt Ion:113 Resp: 362895
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 21.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.171 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

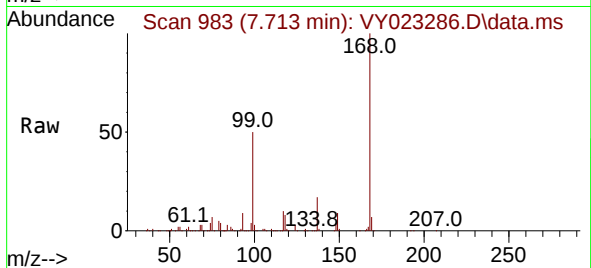
Tgt Ion: 75 Resp: 41294
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.1 24.6 37.0#



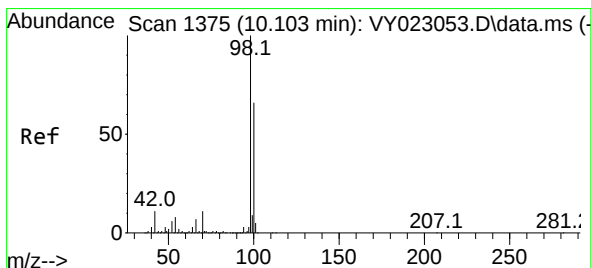
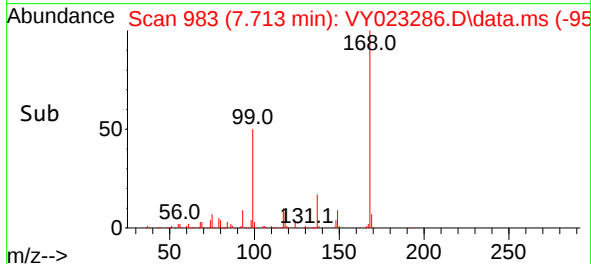
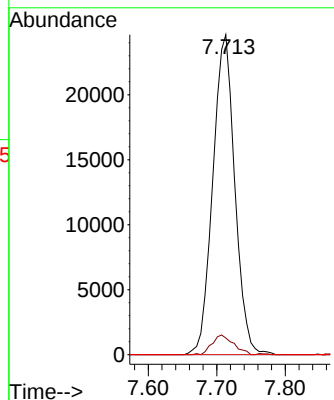


#38
Carbon Tetrachloride
Concen: 5.096 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

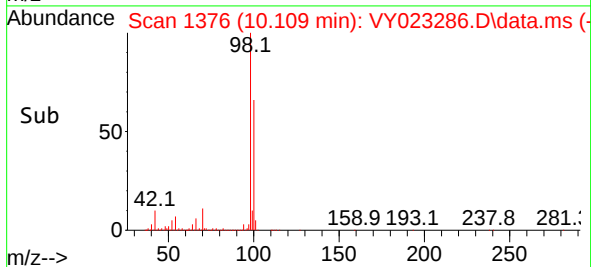
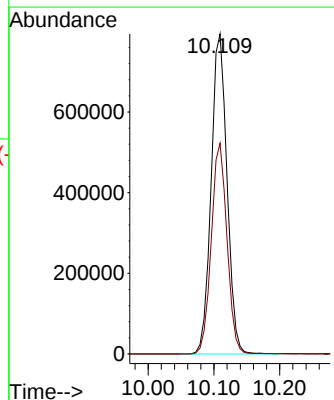
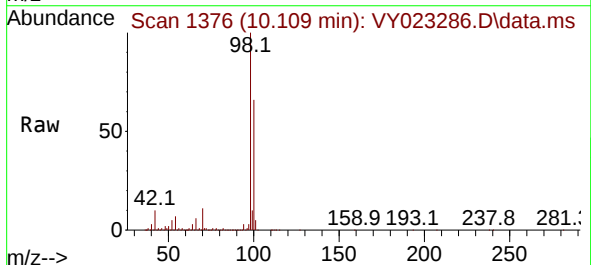


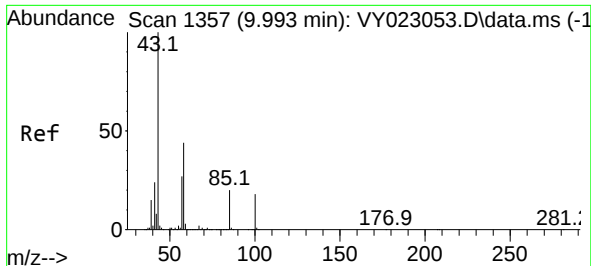
Tgt Ion:117 Resp: 54806
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.147 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion: 98 Resp: 1331201
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.117 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY023286.D

Acq: 04 Sep 2025 15:28

Instrument :

MSVOA_Y

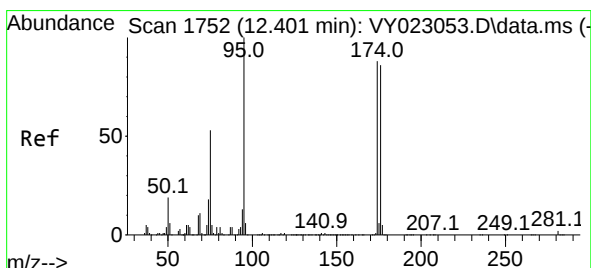
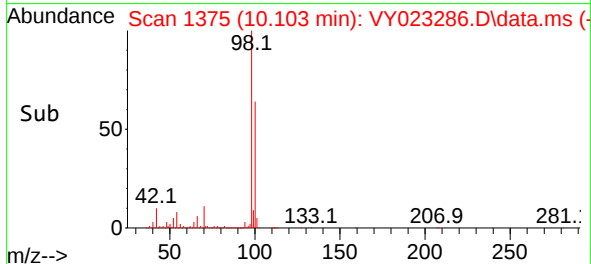
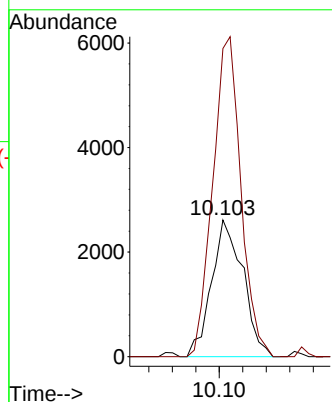
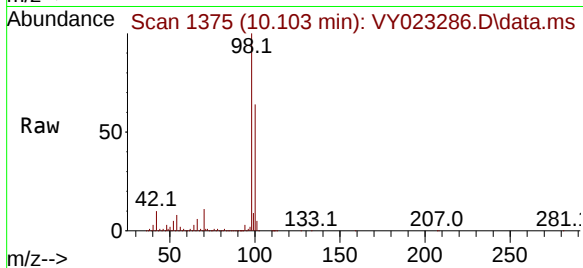
ClientSampleId :

Tgt Ion: 43 Resp: 4842

Ion Ratio Lower Upper

43 100

58 210.4 33.5 50.3#



#62

4-Bromofluorobenzene

Concen: 46.896 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023286.D

Acq: 04 Sep 2025 15:28

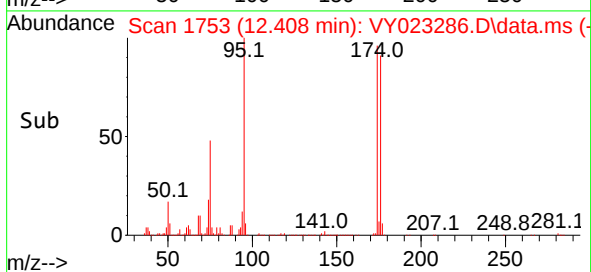
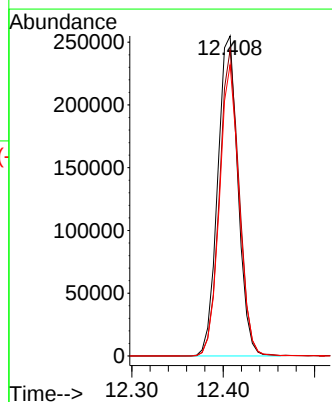
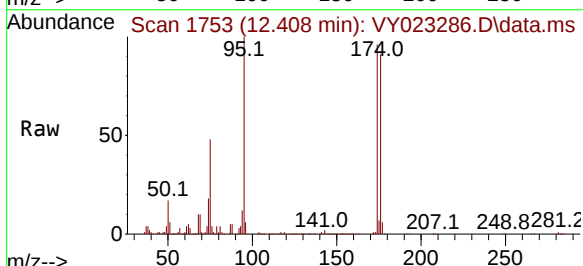
Tgt Ion: 95 Resp: 392533

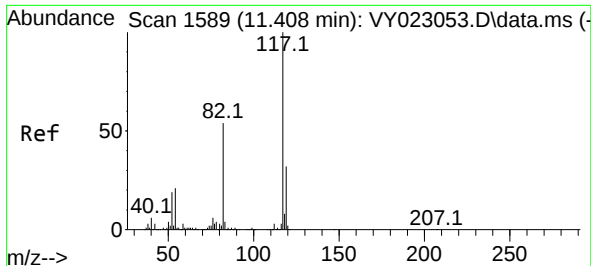
Ion Ratio Lower Upper

95 100

174 93.2 0.0 171.6

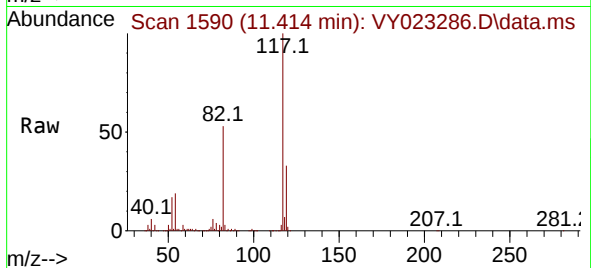
176 88.9 0.0 167.6



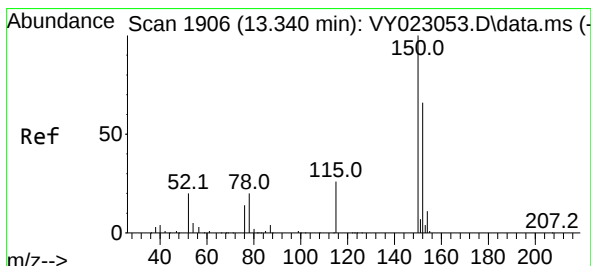
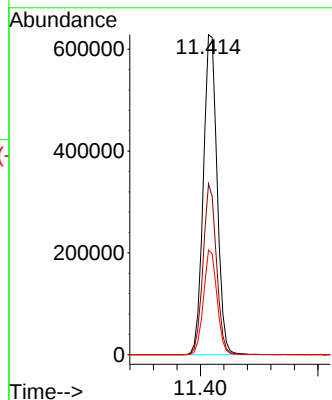
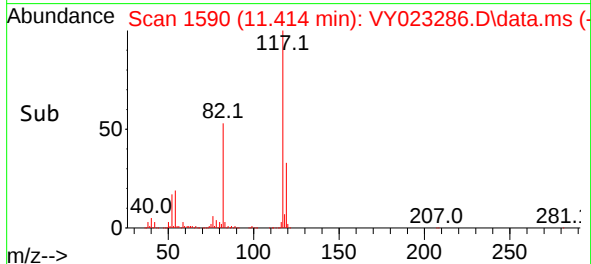


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

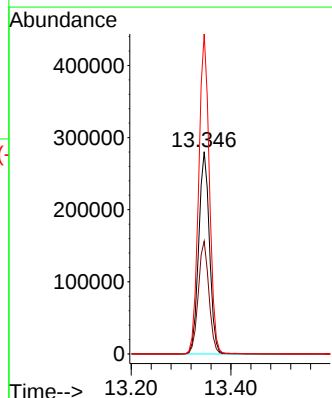
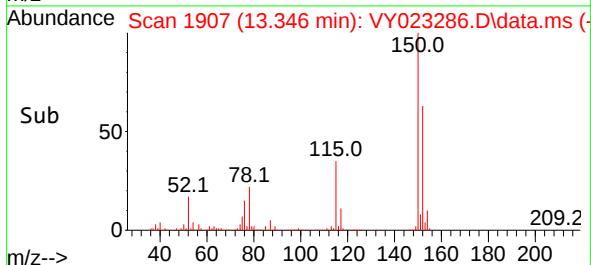
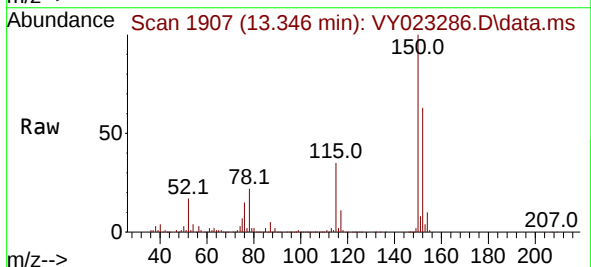


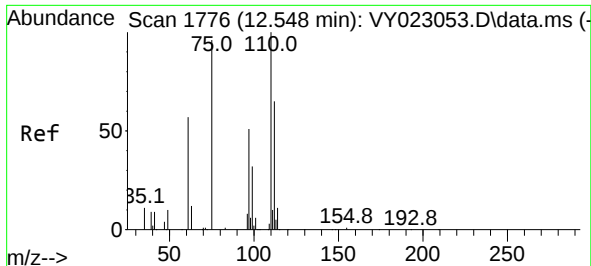
Tgt Ion:117 Resp: 1024645
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion:152 Resp: 419135
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.6
150 157.2 0.0 348.0

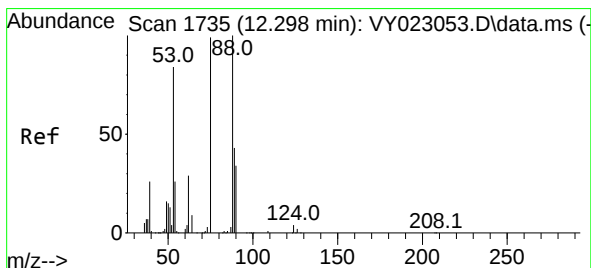
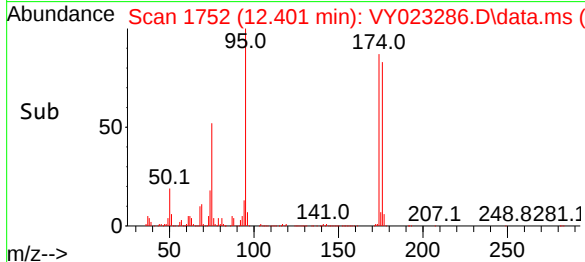
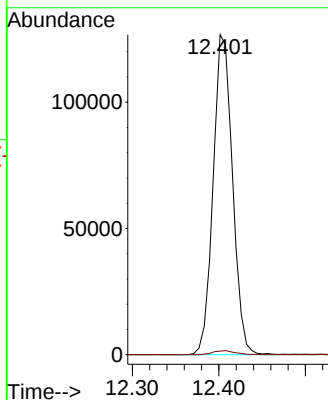
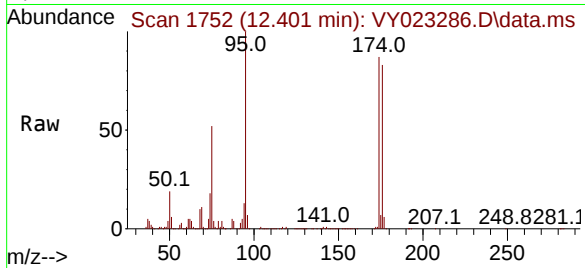




#76
1,2,3-Trichloropropane
Concen: 48.672 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 196881
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.818 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion: 75 Resp: 196881
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.0 38.1 57.1#

