

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031886.D
 Acq On : 17 Jul 2025 13:49
 Operator : SY/MD
 Sample : Q2621-01RE
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:52:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

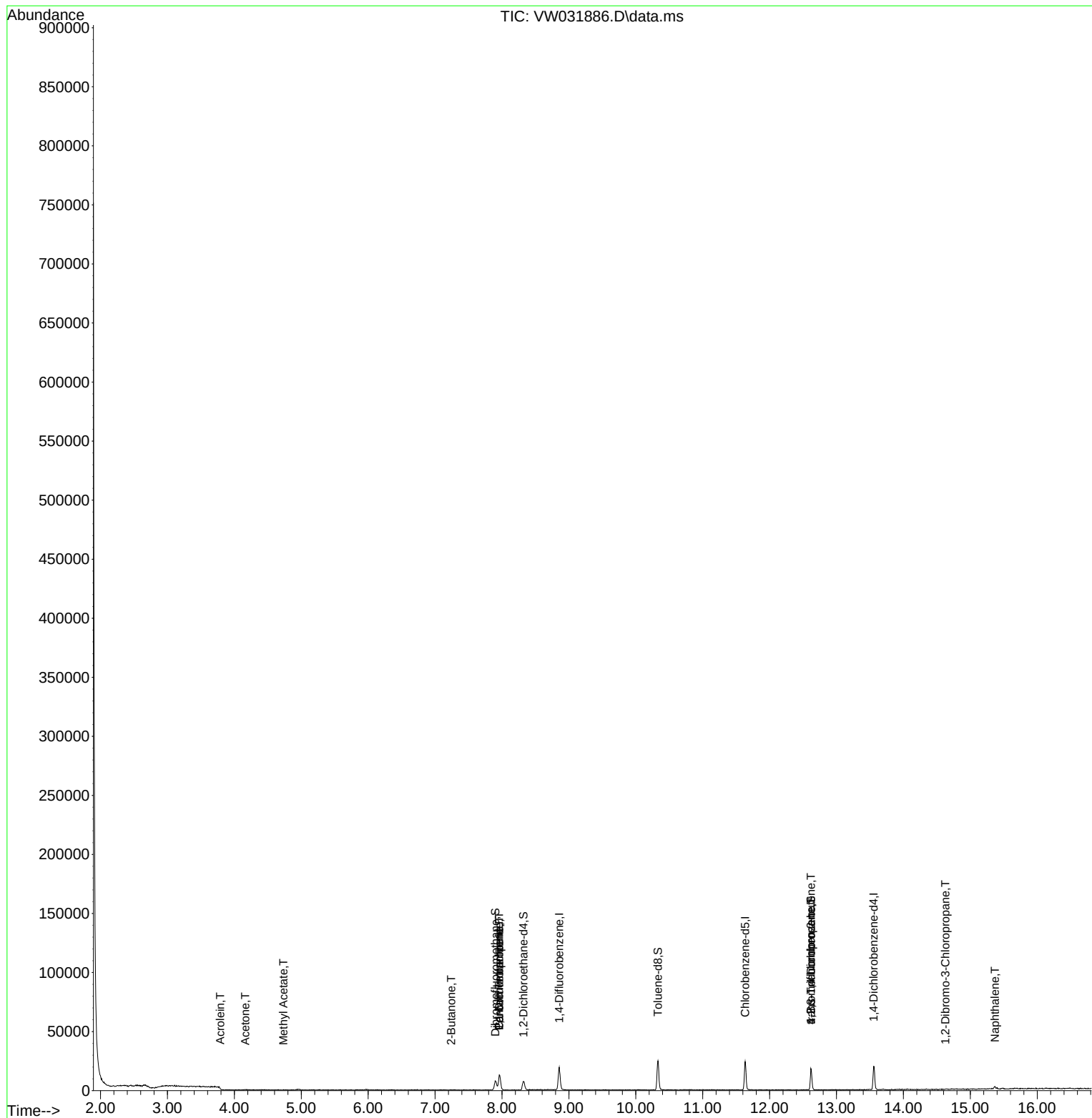
Internal Standards						
1) Pentafluorobenzene	7.959	168	8439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	15173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	13399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	5671	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	6685	55.198	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 110.400%		
35) Dibromofluoromethane	7.898	113	6150	62.115	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 124.220%		
50) Toluene-d8	10.331	98	17524	47.560	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.120%		
62) 4-Bromofluorobenzene	12.617	95	6981	51.485	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 102.980%		
Target Compounds						
					Qvalue	
13) Acrolein	3.789	56	20	1.483	ug/l #	1
16) Acetone	4.161	43	320	10.690	ug/l #	44
18) Methyl Acetate	4.734	43	101	1.181	ug/l #	49
20) Methylene Chloride	4.960	84	397	Below Cal	#	62
25) 2-Butanone	7.240	43	46	1.181	ug/l #	46
36) 1,1-Dichloropropene	7.959	75	916	6.393	ug/l #	42
38) Carbon Tetrachloride	7.959	117	1177	8.062	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	3368	45.957	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	3368	107.042	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.629	75	24	1.283	ug/l #	8
95) Naphthalene	15.366	128	2068	7.756	ug/l #	96

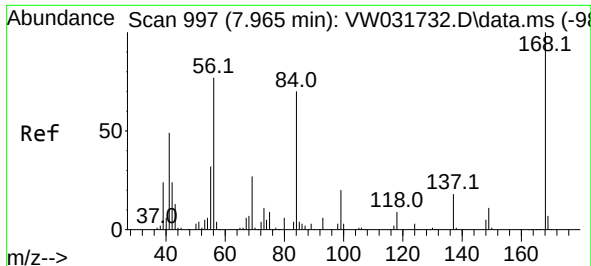
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
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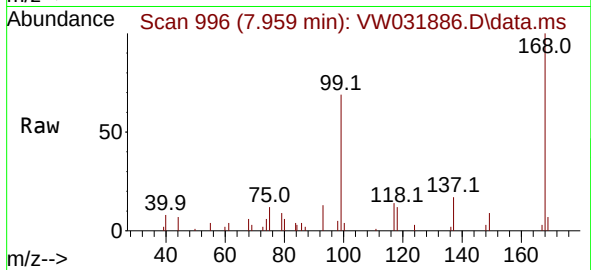
Quant Time: Jul 18 02:52:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
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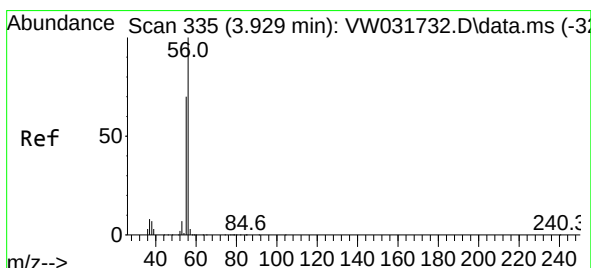
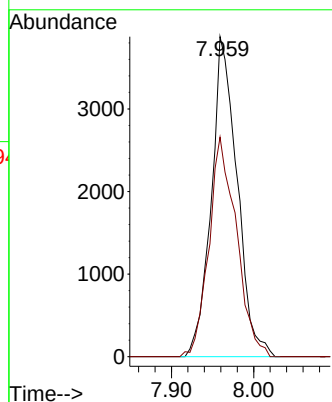
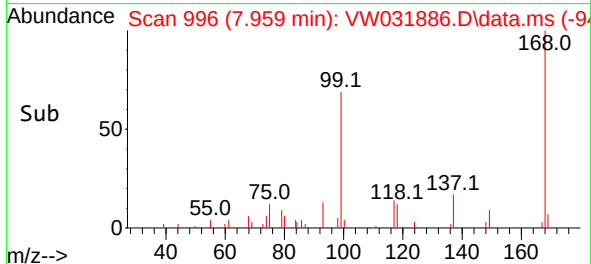


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Instrument :
MSVOA_W
ClientSampleId :

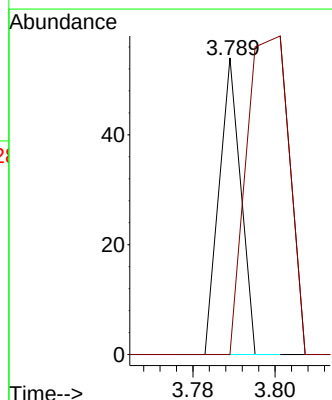
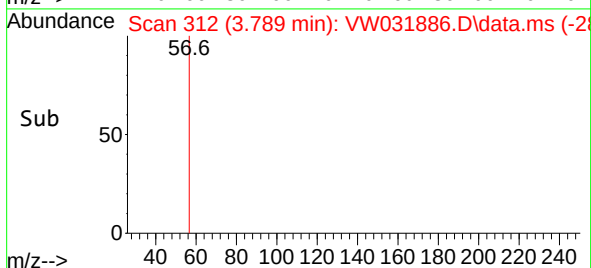
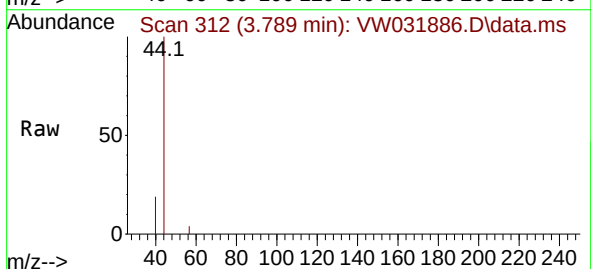


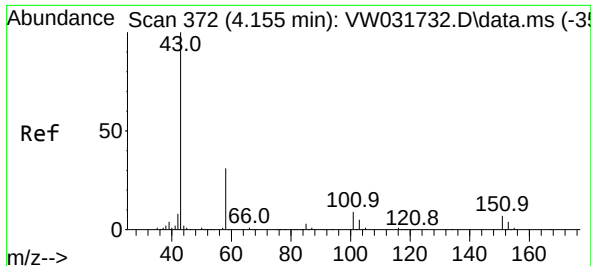
Tgt Ion:168 Resp: 8439
Ion Ratio Lower Upper
168 100
99 68.6 49.4 74.2



#13
Acrolein
Concen: 1.483 ug/l
RT: 3.789 min Scan# 312
Delta R.T. -0.140 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 210.0 54.0 81.0#

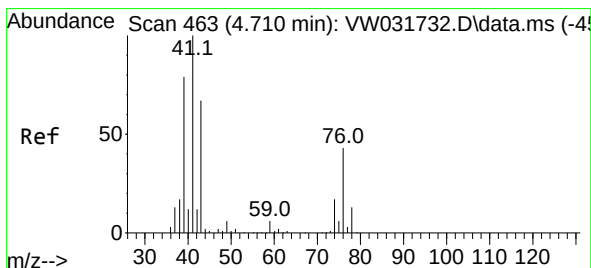
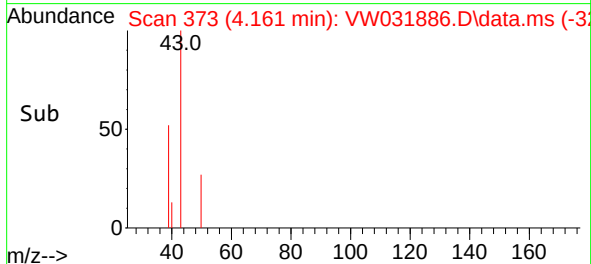
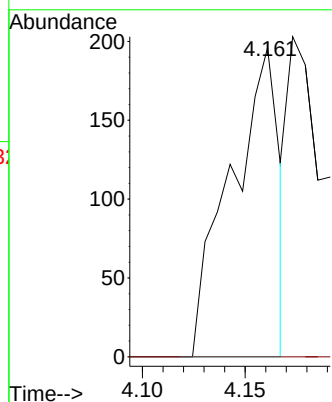
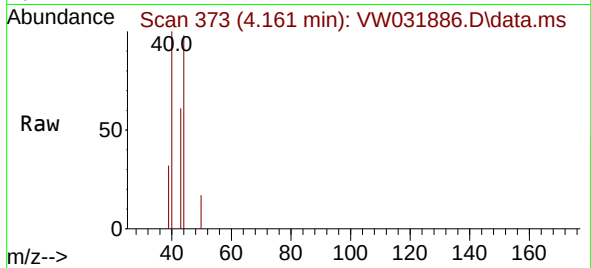




#16
Acetone
Concen: 10.690 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

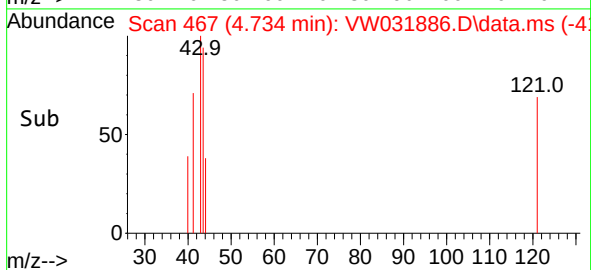
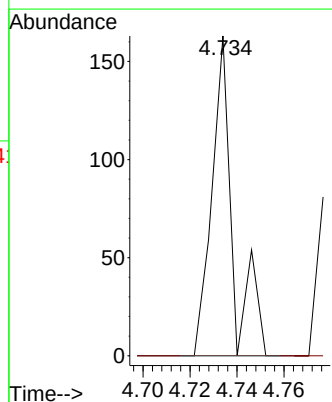
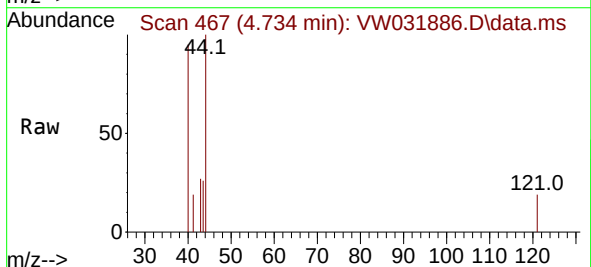
Instrument :
MSVOA_W
ClientSampleId :

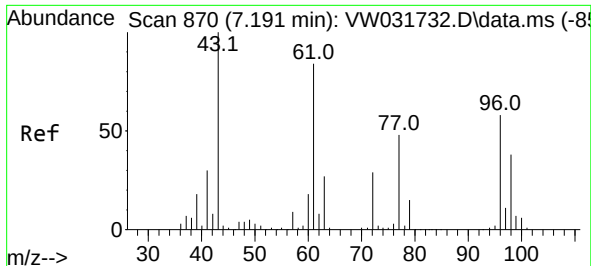
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#18
Methyl Acetate
Concen: 1.181 ug/l
RT: 4.734 min Scan# 467
Delta R.T. 0.024 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#





#25

2-Butanone

Concen: 1.181 ug/l

RT: 7.240 min Scan# 81

Delta R.T. 0.049 min

Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

Instrument :

MSVOA_W

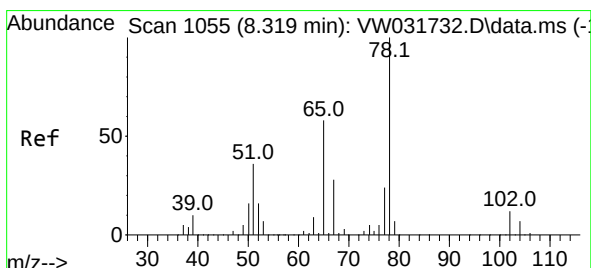
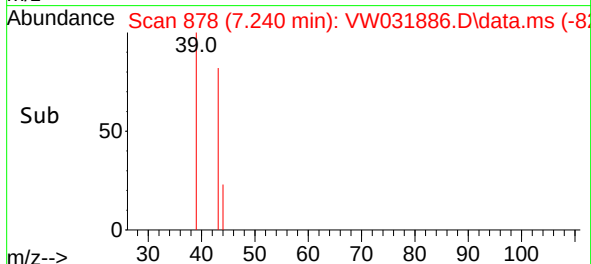
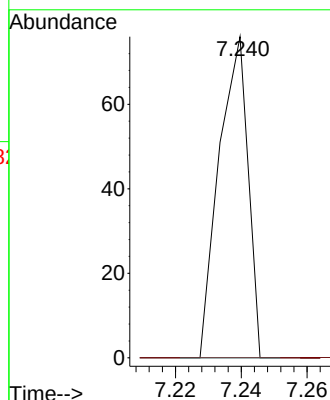
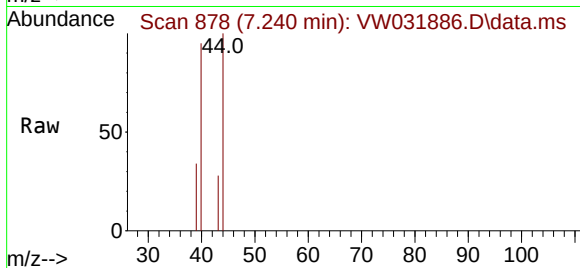
ClientSampleId :

Tgt Ion: 43 Resp: 46

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#33

1,2-Dichloroethane-d4

Concen: 55.198 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031886.D

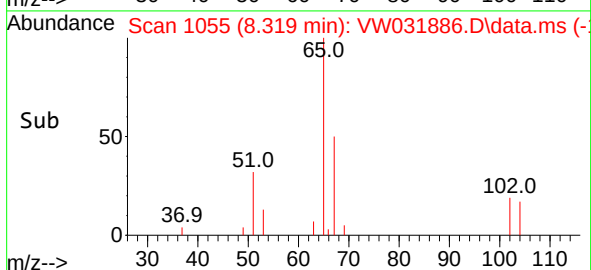
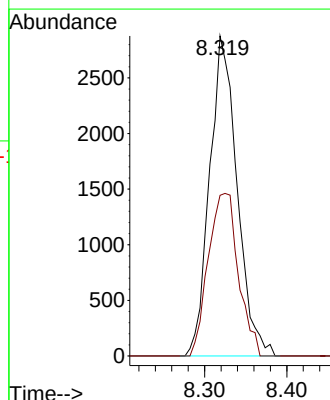
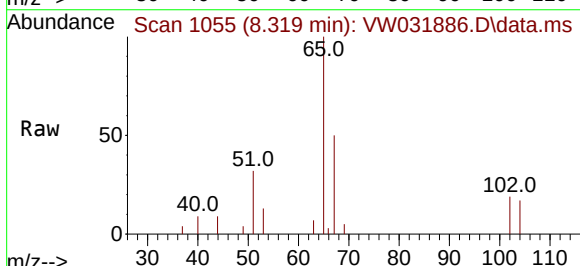
Acq: 17 Jul 2025 13:49

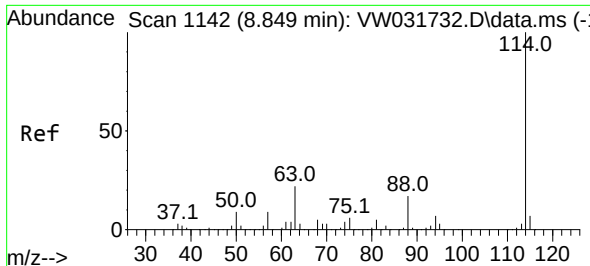
Tgt Ion: 65 Resp: 6685

Ion Ratio Lower Upper

65 100

67 55.6 0.0 99.4

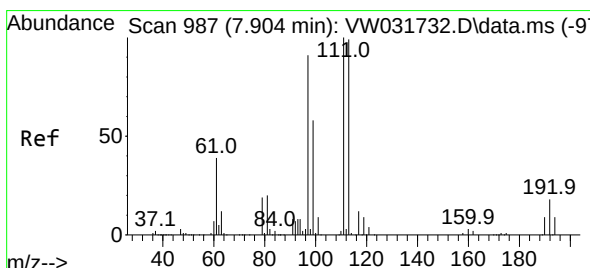
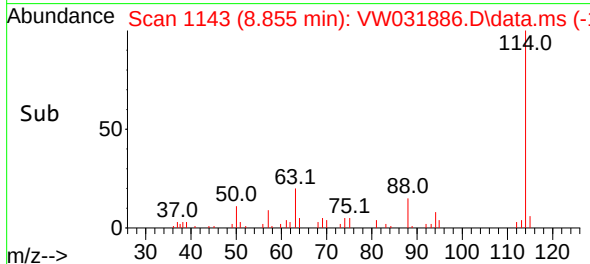
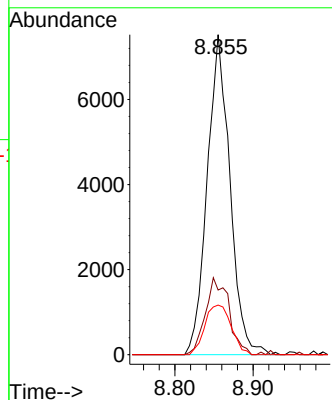
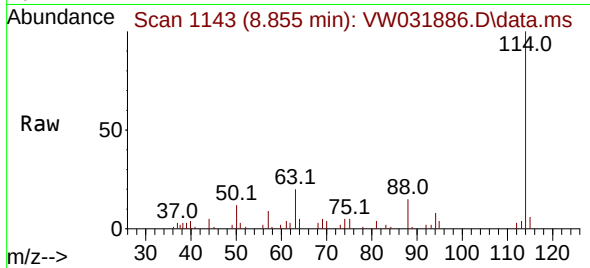




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031886.D
 Acq: 17 Jul 2025 13:49

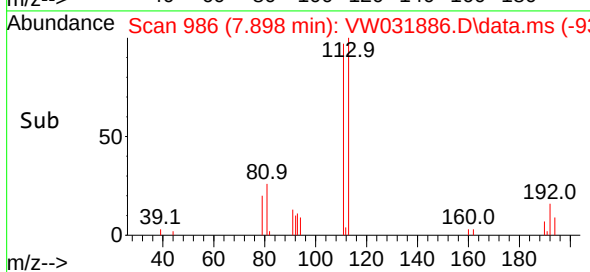
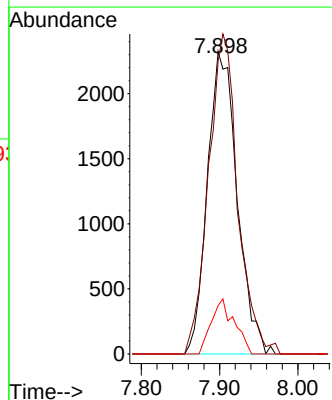
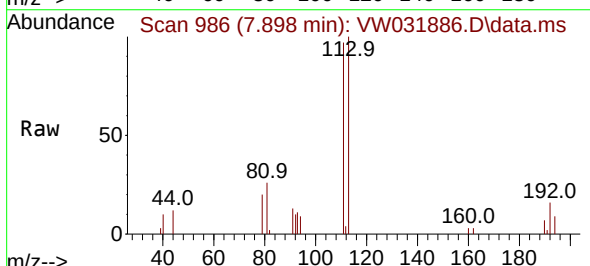
Instrument :
 MSVOA_W
 ClientSampleId :

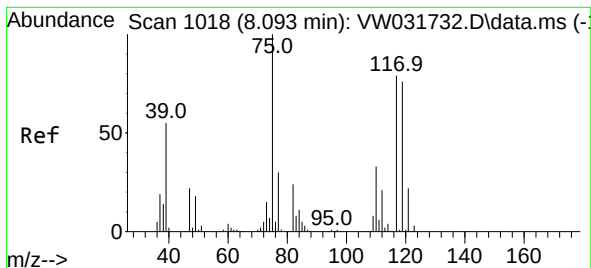
Tgt Ion:	114	Resp:	15173
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.6
88	15.5	0.0	34.2



#35
 Dibromofluoromethane
 Concen: 62.115 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW031886.D
 Acq: 17 Jul 2025 13:49

Tgt Ion:	113	Resp:	6150
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	14.0	13.8	20.6





#36

1,1-Dichloropropene

Concen: 6.393 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

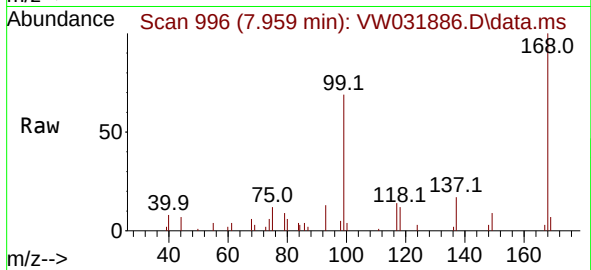
Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

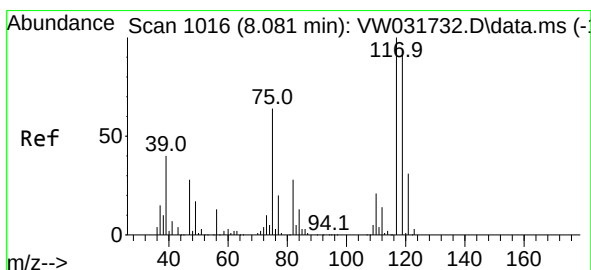
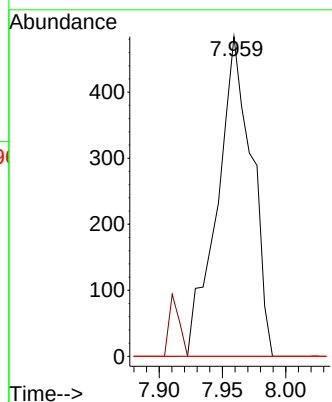
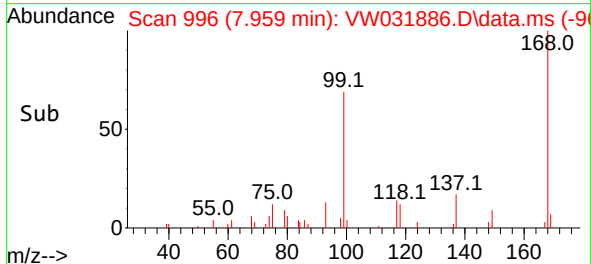
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	916
Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.8	50.4#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 8.062 ug/l

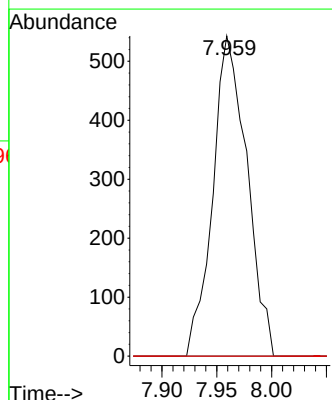
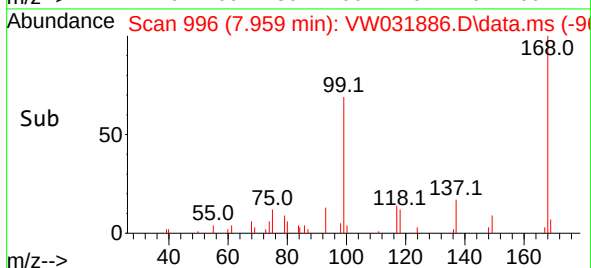
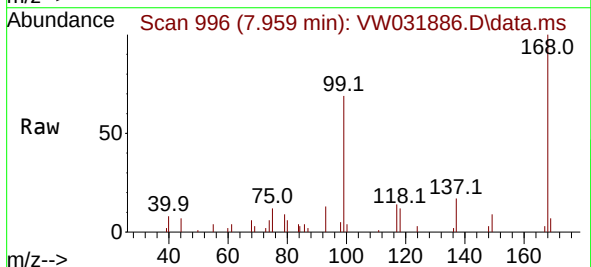
RT: 7.959 min Scan# 996

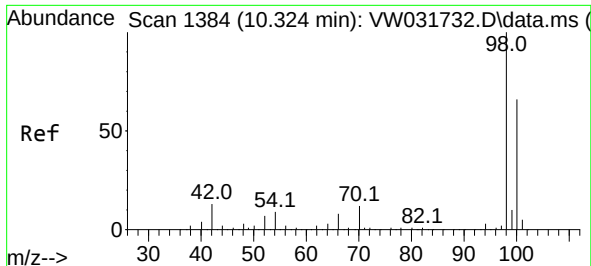
Delta R.T. -0.122 min

Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

Tgt Ion:	117	Resp:	1177
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
121	0.0	24.6	37.0#

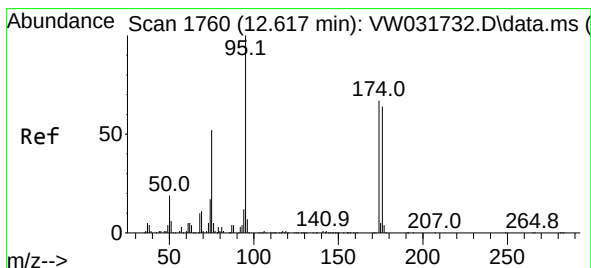
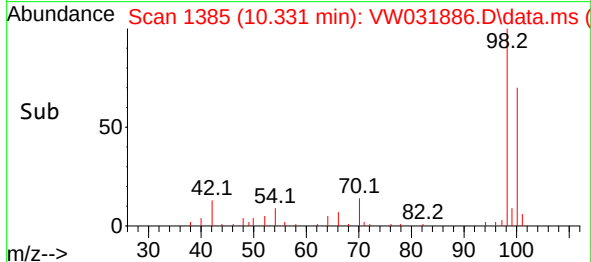
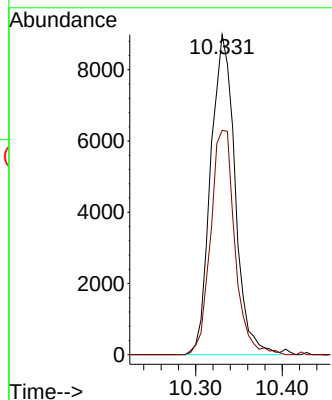
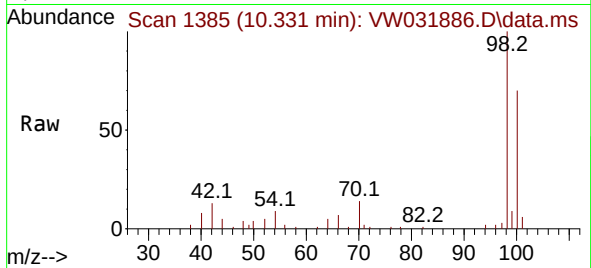




#50
Toluene-d8
Concen: 47.560 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

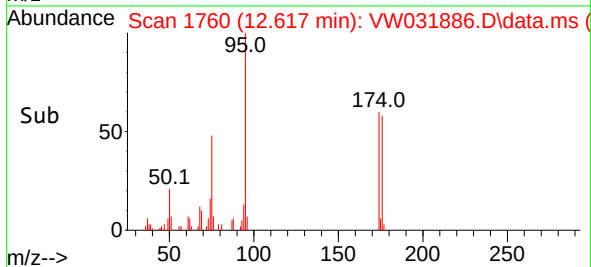
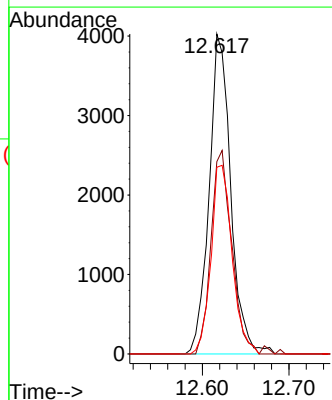
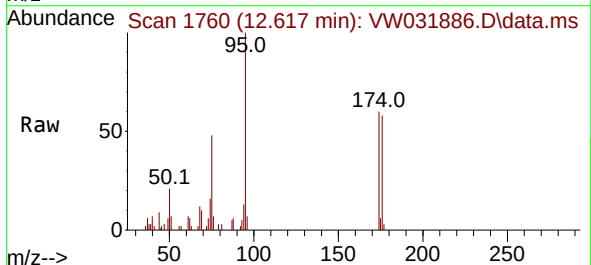
Instrument :
MSVOA_W
ClientSampleId :

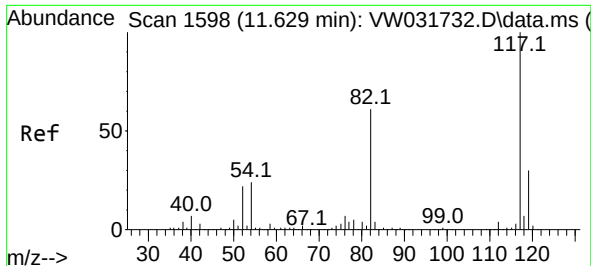
Tgt Ion: 98 Resp: 17524
Ion Ratio Lower Upper
98 100
100 69.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.485 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

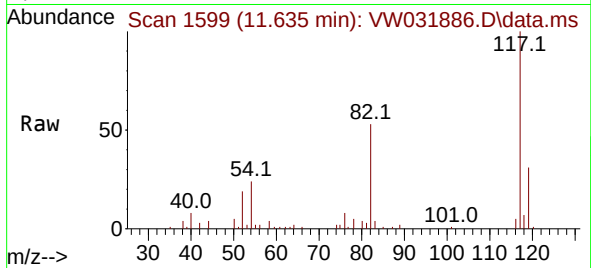
Tgt Ion: 95 Resp: 6981
Ion Ratio Lower Upper
95 100
174 61.0 0.0 133.8
176 57.8 0.0 126.0



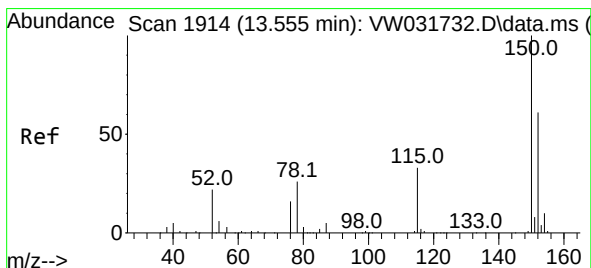
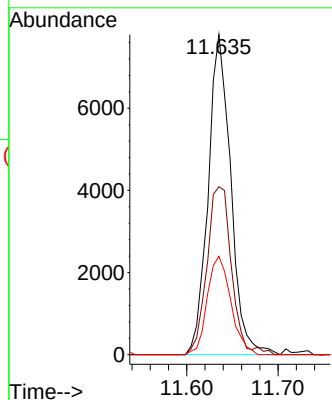
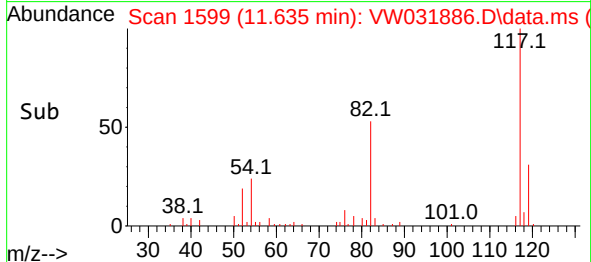


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

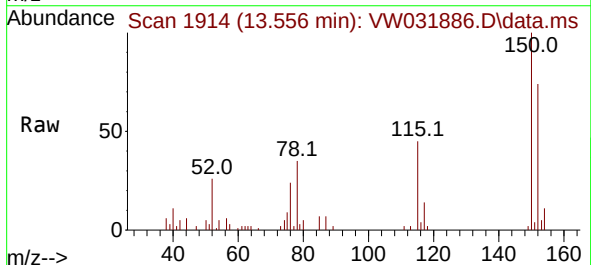
Instrument :
MSVOA_W
ClientSampleId :



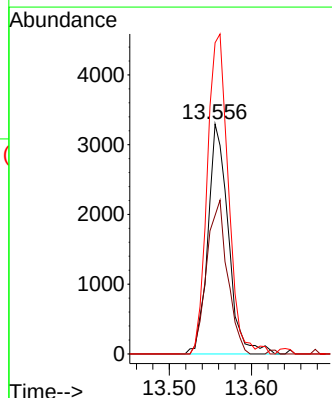
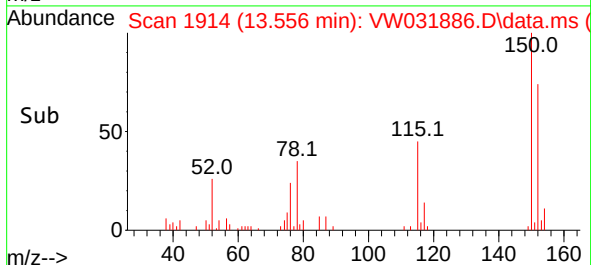
Tgt Ion:117 Resp: 13399
Ion Ratio Lower Upper
117 100
82 52.5 48.6 72.8
119 30.7 23.9 35.9

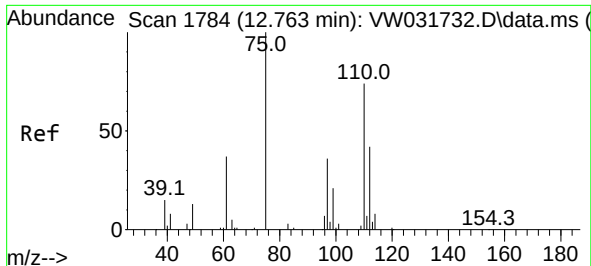


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49



Tgt Ion:152 Resp: 5671
Ion Ratio Lower Upper
152 100
115 68.3 31.9 95.7
150 143.8 0.0 356.4

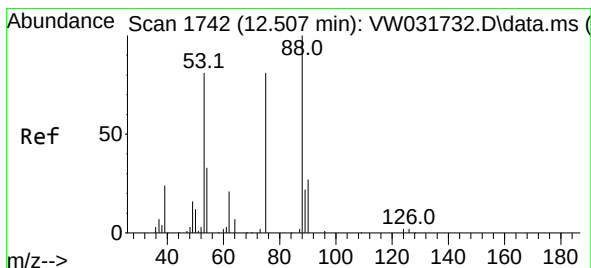
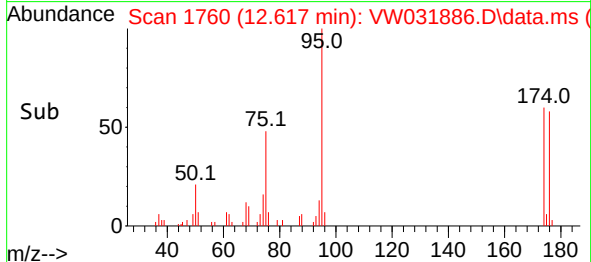
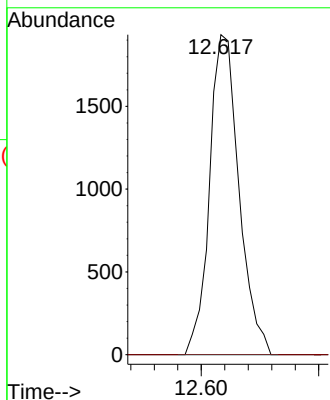
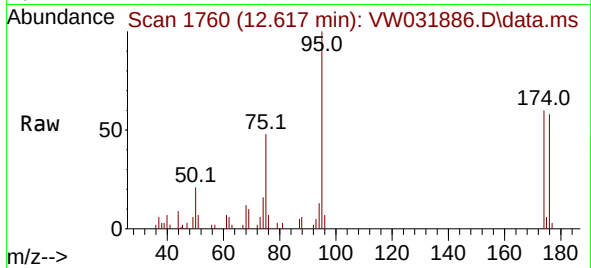




#76
1,2,3-Trichloropropane
Concen: 45.957 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

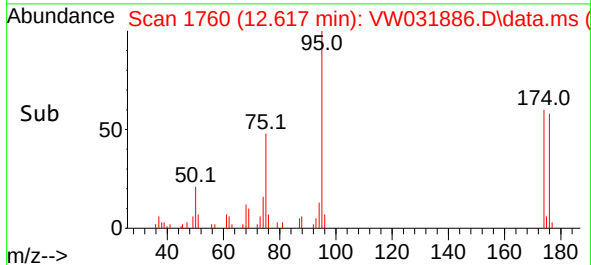
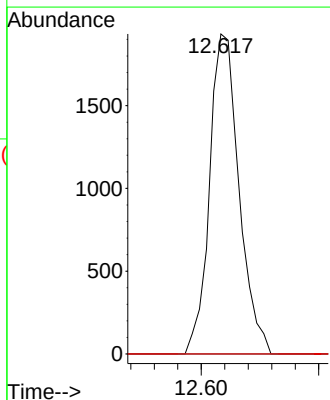
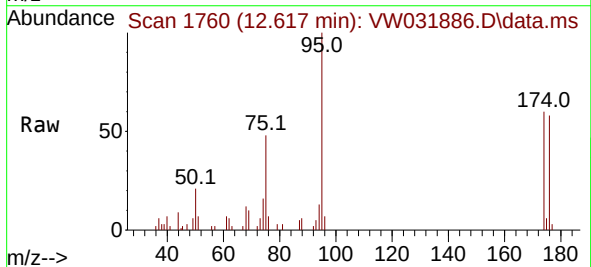
Instrument :
MSVOA_W
ClientSampleId :

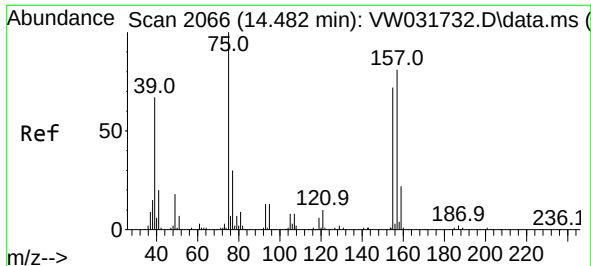
Tgt Ion: 75 Resp: 3368
Ion Ratio Lower Upper
75 100
77 0.0 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.042 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031886.D
Acq: 17 Jul 2025 13:49

Tgt Ion: 75 Resp: 3368
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.283 ug/l

RT: 14.629 min Scan# 2066

Delta R.T. 0.146 min

Lab File: VW031886.D

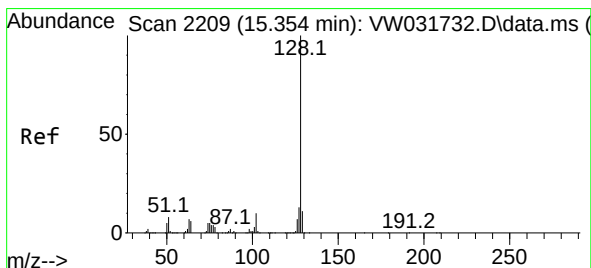
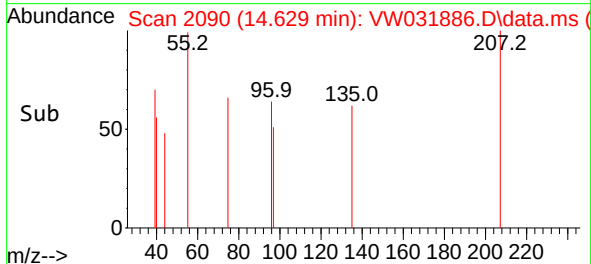
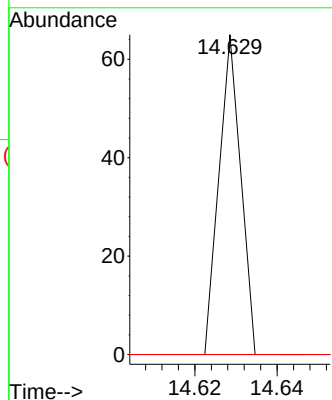
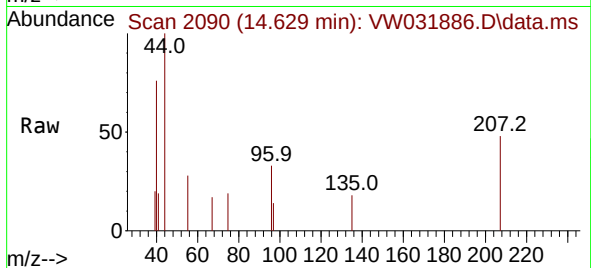
Acq: 17 Jul 2025 13:49

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	24
Ion	Ratio	Lower	Upper
75	100		
155	0.0	37.2	111.6#
157	0.0	45.6	136.9#



#95

Naphthalene

Concen: 7.756 ug/l

RT: 15.366 min Scan# 2211

Delta R.T. 0.012 min

Lab File: VW031886.D

Acq: 17 Jul 2025 13:49

Tgt Ion:	128	Resp:	2068
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.8	16.2
129	13.4	8.7	13.1#

