

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071725\
 Data File : VW031884.D
 Acq On : 17 Jul 2025 12:57
 Operator : SY/MD
 Sample : Q2621-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 18 02:51:44 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)

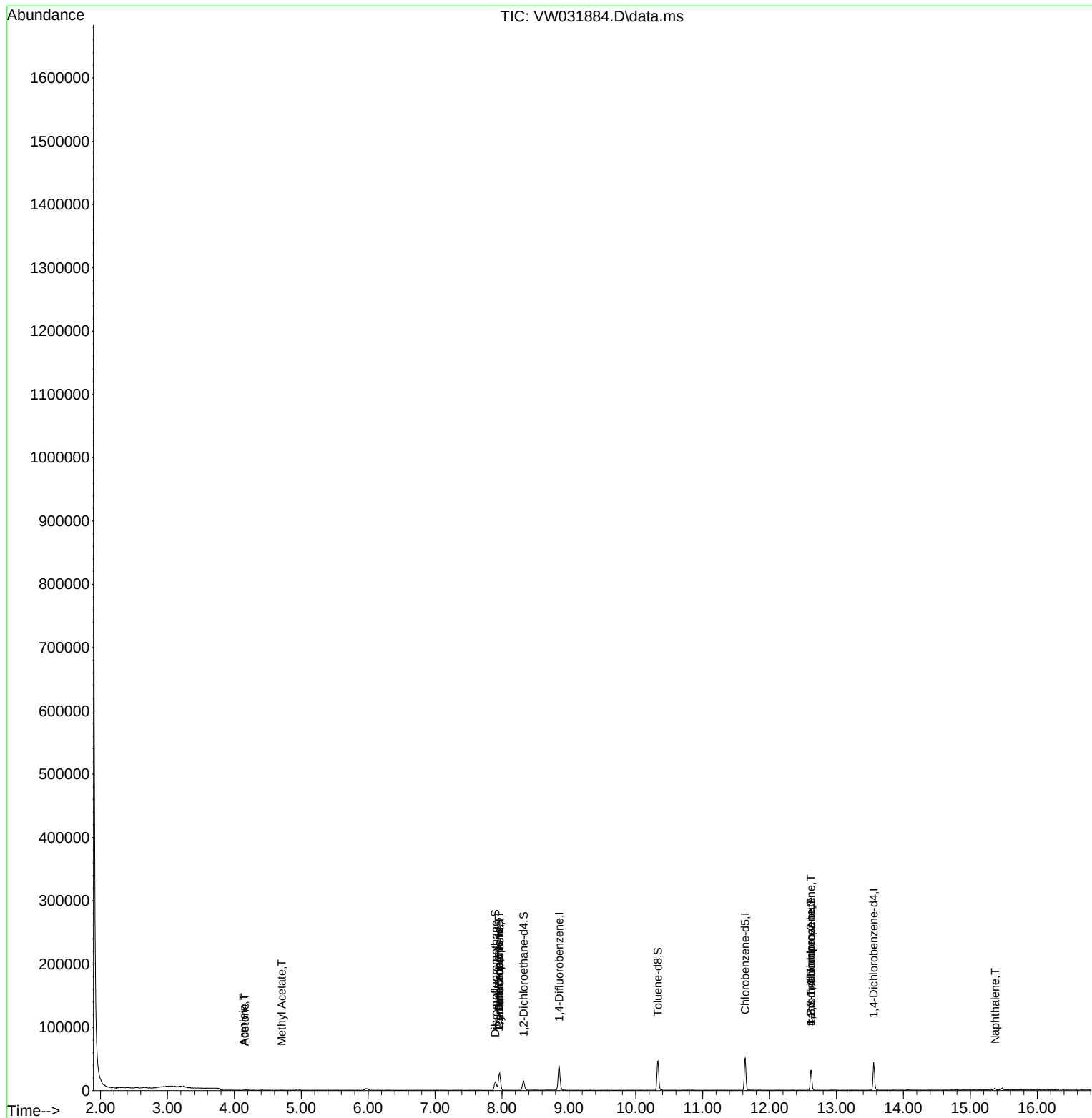
Internal Standards						
1) Pentafluorobenzene	7.965	168	18767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	33065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	27057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	10967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	12635	46.913	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.820%		
35) Dibromofluoromethane	7.898	113	10757	49.856	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	99.720%		
50) Toluene-d8	10.331	98	33456	41.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	83.340%		
62) 4-Bromofluorobenzene	12.617	95	12686	42.933	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	85.860%		
Target Compounds						
					Qvalue	
13) Acrolein	4.137	56	54	1.801	ug/l #	16
16) Acetone	4.155	43	565	8.487	ug/l	92
18) Methyl Acetate	4.710	43	293	1.540	ug/l #	49
20) Methylene Chloride	4.954	84	1133	Below Cal	#	71
31) Cyclohexane	7.959	56	547	1.426	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	1928	6.175	ug/l #	46
38) Carbon Tetrachloride	7.959	117	2165	6.805	ug/l #	13
76) 1,2,3-Trichloropropane	12.617	75	6363	44.897	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	6363	104.572	ug/l #	8
95) Naphthalene	15.373	128	2471	4.792	ug/l	97

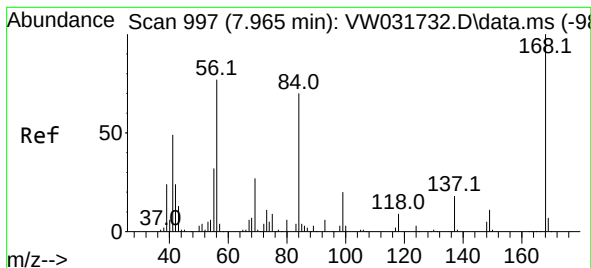
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

Lab File: VW031884.D

Acq: 17 Jul 2025 12:57

Instrument :

MSVOA_W

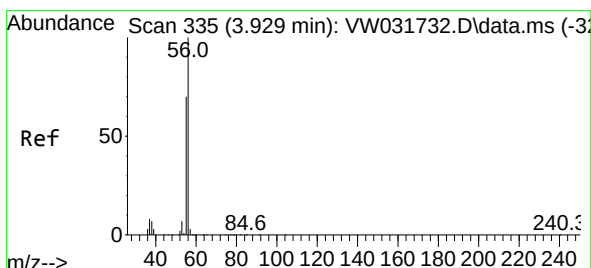
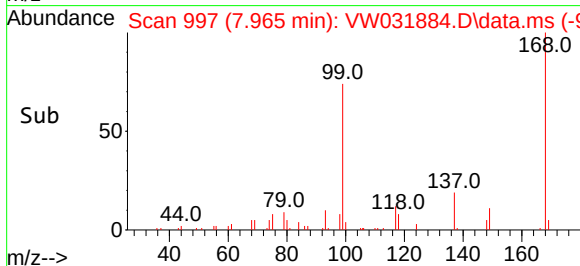
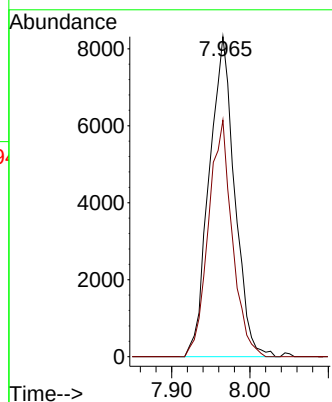
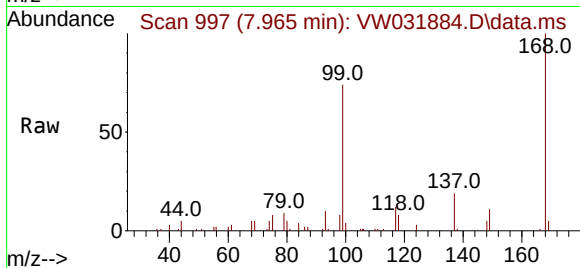
ClientSampleId :

Tgt Ion:168 Resp: 18767

Ion Ratio Lower Upper

168 100

99 73.9 49.4 74.2



#13

Acrolein

Concen: 1.801 ug/l

RT: 4.137 min Scan# 369

Delta R.T. 0.208 min

Lab File: VW031884.D

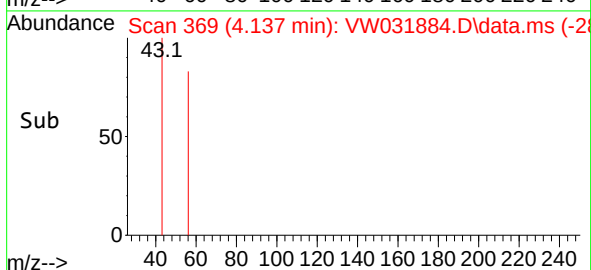
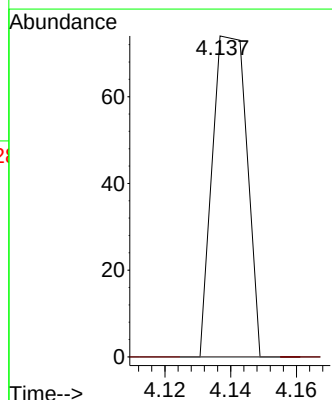
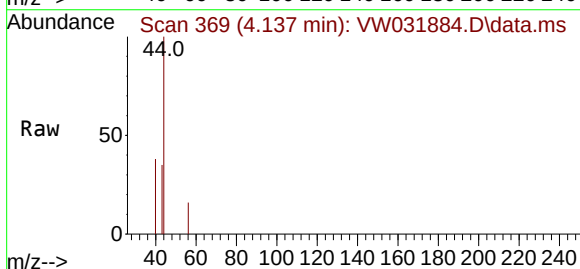
Acq: 17 Jul 2025 12:57

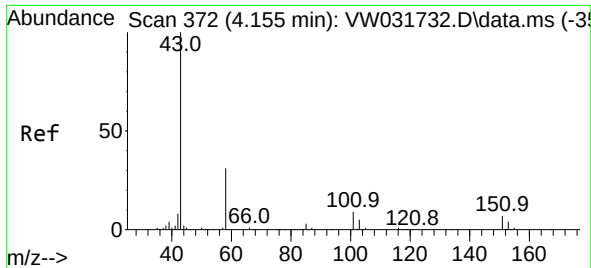
Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 0.0 54.0 81.0#

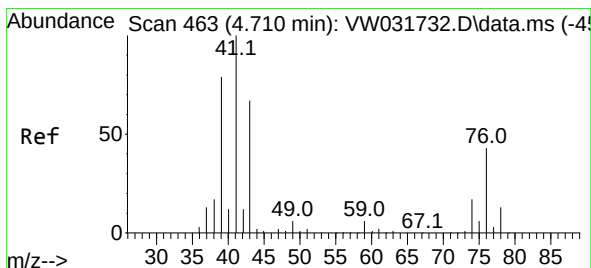
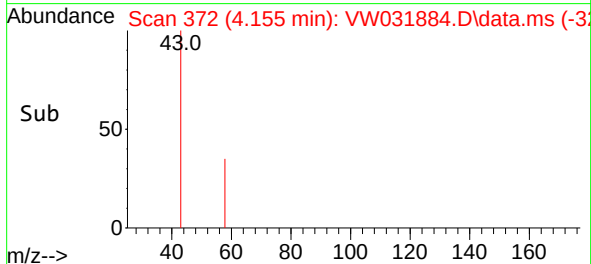
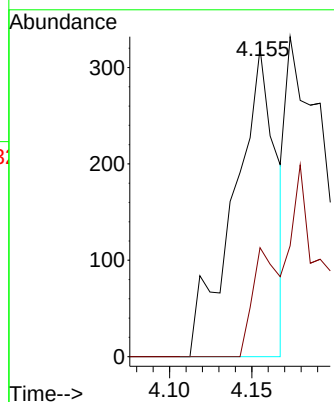
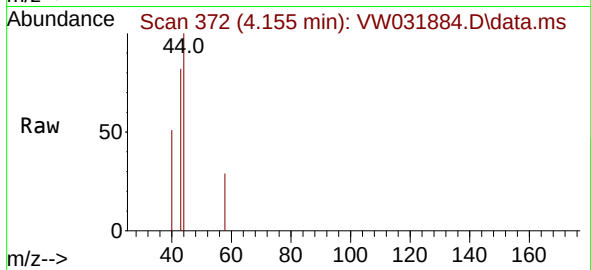




#16
Acetone
Concen: 8.487 ug/l
RT: 4.155 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

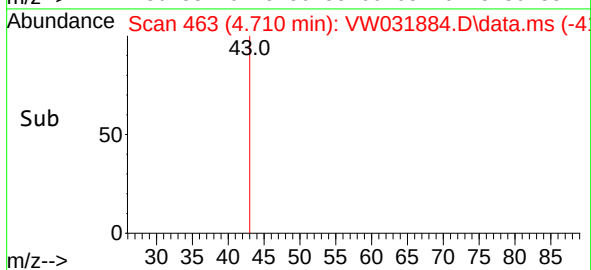
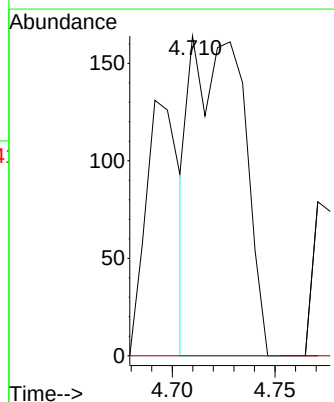
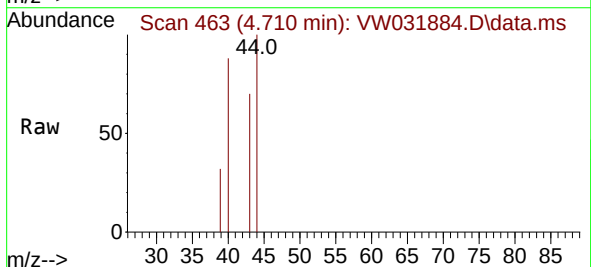
Instrument :
MSVOA_W
ClientSampleId :

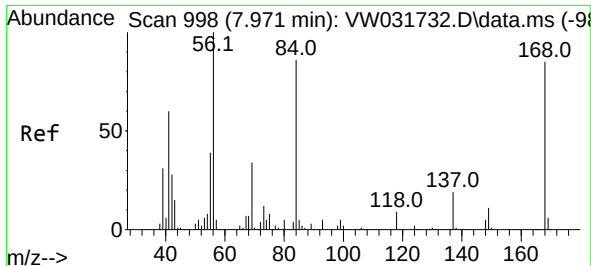
Tgt Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
58 35.3 24.8 37.2



#18
Methyl Acetate
Concen: 1.540 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

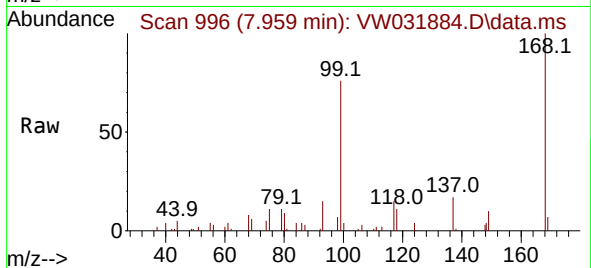
Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



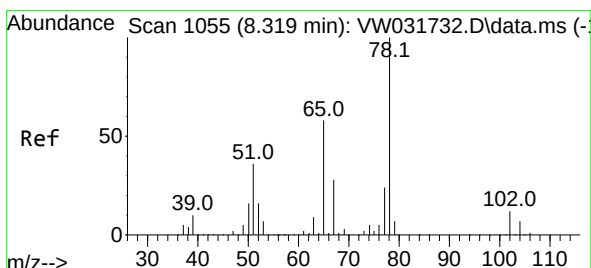
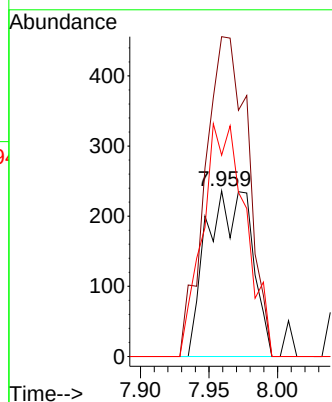
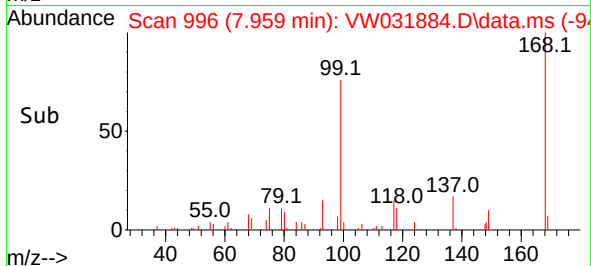


#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Instrument :
MSVOA_W
ClientSampleId :

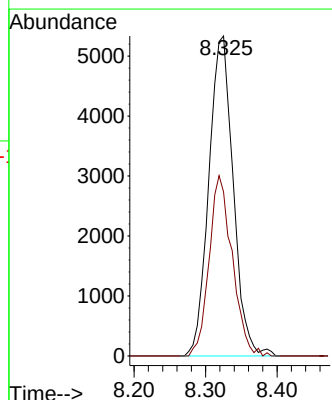
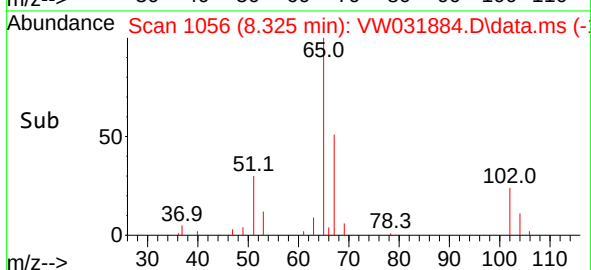
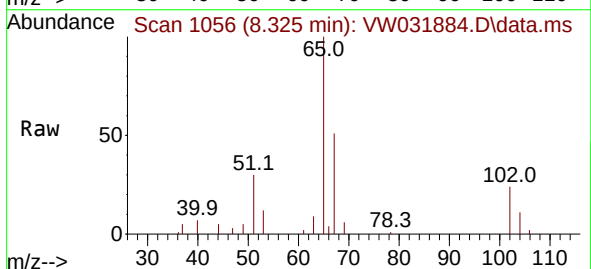


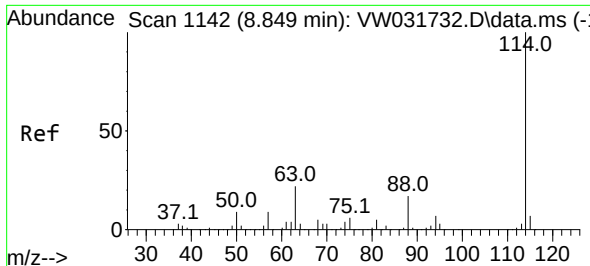
Tgt Ion: 56 Resp: 547
Ion Ratio Lower Upper
56 100
69 193.2 27.2 40.8#
84 121.6 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.913 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Tgt Ion: 65 Resp: 12635
Ion Ratio Lower Upper
65 100
67 53.4 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: VW031884.D

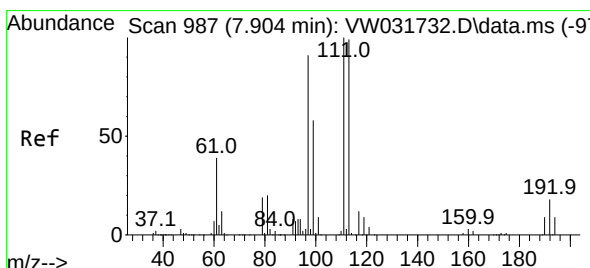
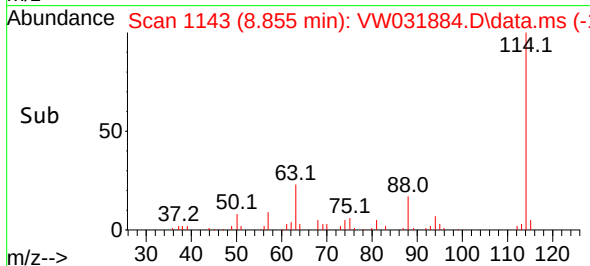
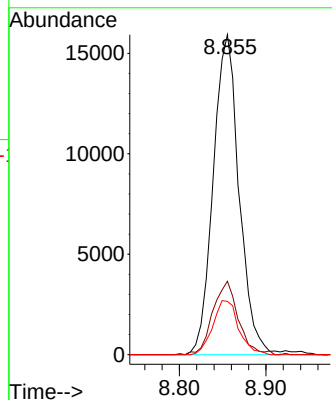
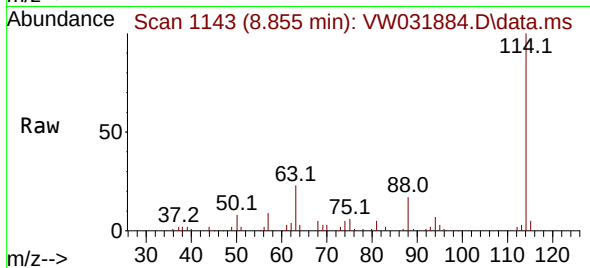
Acq: 17 Jul 2025 12:57

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:114	Resp:	33065
Ion Ratio	Lower	Upper
114	100	
63	23.0	0.0 43.6
88	16.7	0.0 34.2



#35

Dibromofluoromethane

Concen: 49.856 ug/l

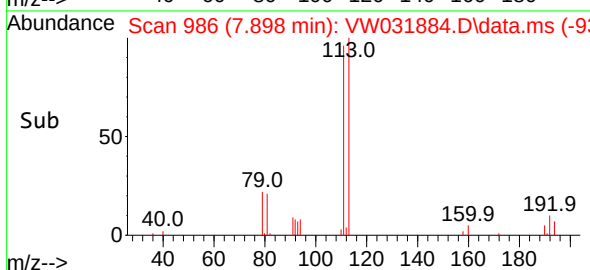
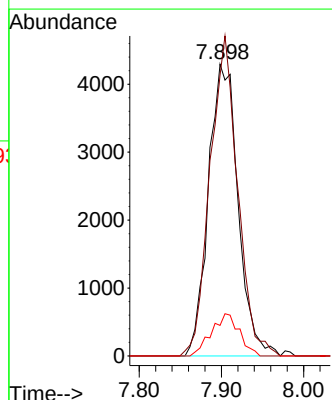
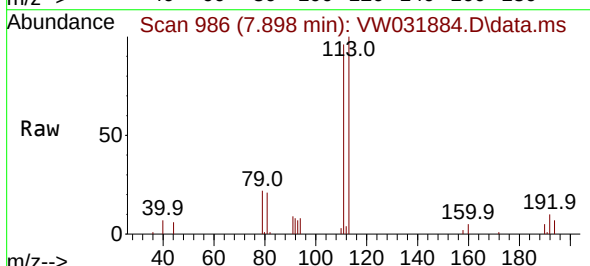
RT: 7.898 min Scan# 986

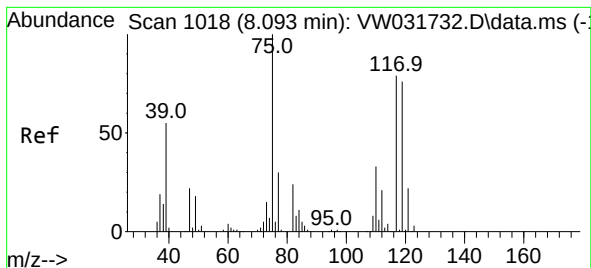
Delta R.T. -0.006 min

Lab File: VW031884.D

Acq: 17 Jul 2025 12:57

Tgt Ion:113	Resp:	10757
Ion Ratio	Lower	Upper
113	100	
111	102.4	82.1 123.1
192	13.6	13.8 20.6#





#36

1,1-Dichloropropene

Concen: 6.175 ug/l

RT: 7.953 min Scan# 995

Delta R.T. -0.140 min

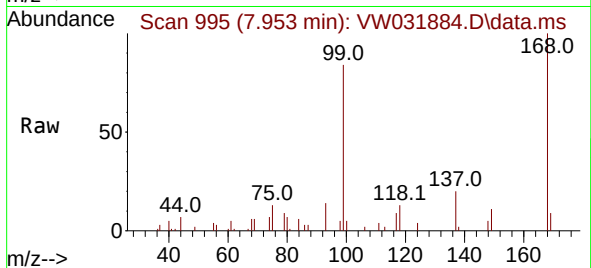
Lab File: VW031884.D

Acq: 17 Jul 2025 12:57

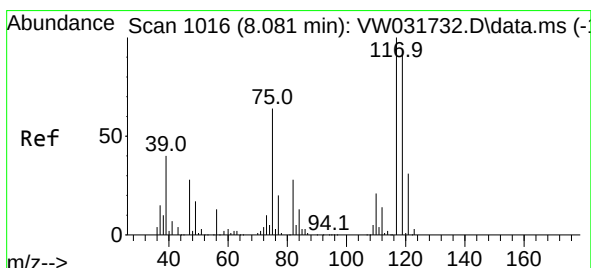
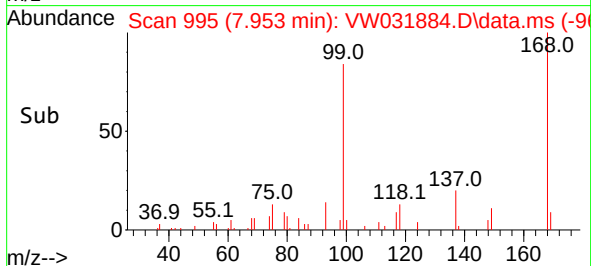
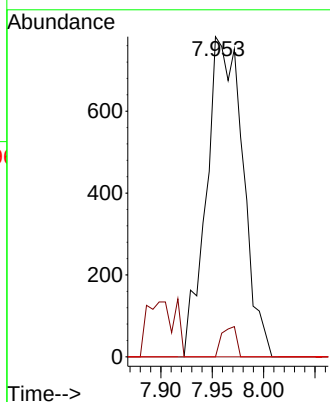
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	75	Resp:	1928
Ion	Ratio	Lower	Upper
75	100		
110	3.8	16.8	50.4#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 6.805 ug/l

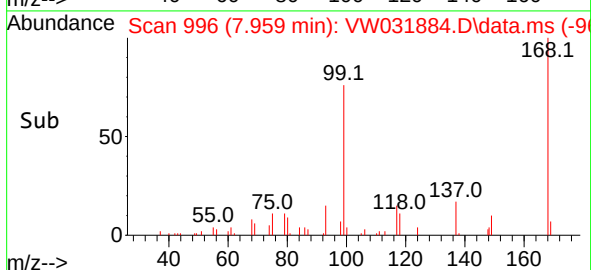
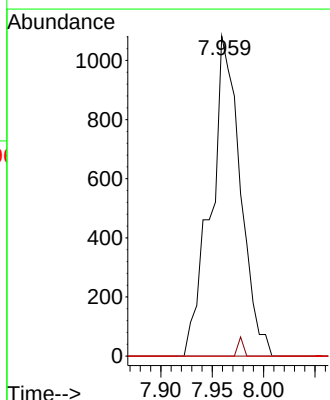
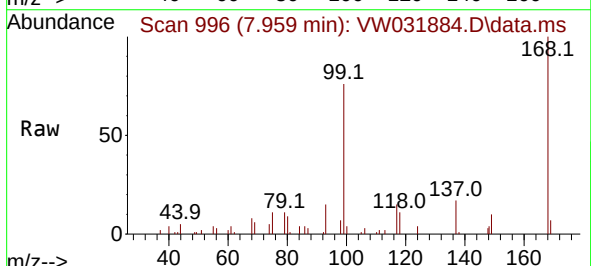
RT: 7.959 min Scan# 996

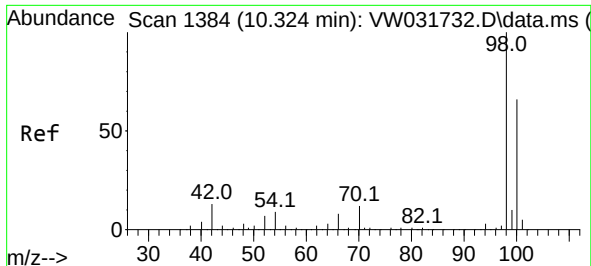
Delta R.T. -0.122 min

Lab File: VW031884.D

Acq: 17 Jul 2025 12:57

Tgt Ion:	117	Resp:	2165
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.0	112.6#
121	0.0	24.6	37.0#

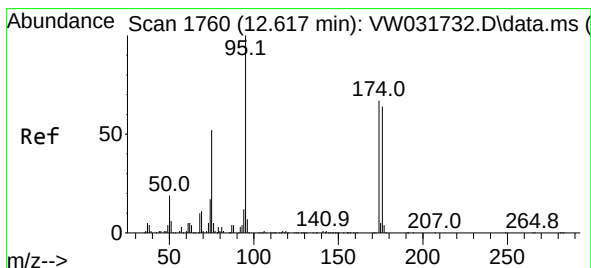
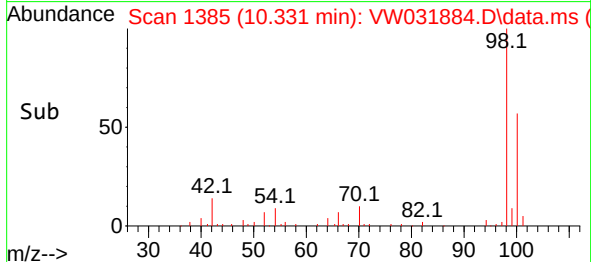
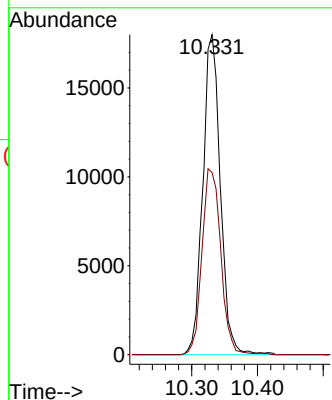
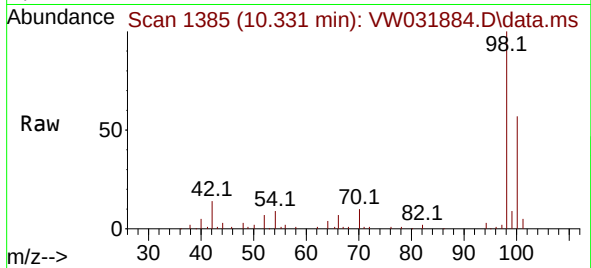




#50
Toluene-d8
Concen: 41.667 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

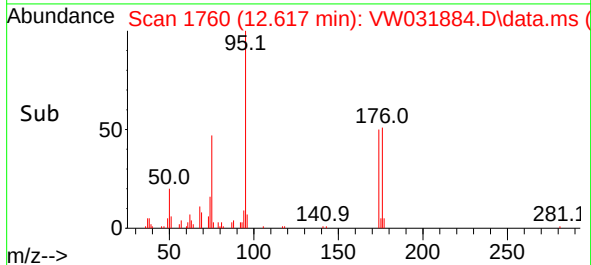
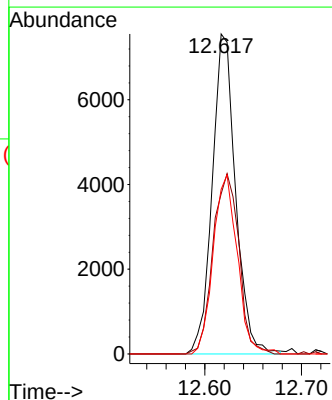
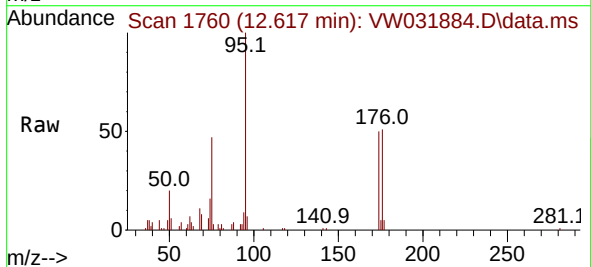
Instrument :
MSVOA_W
ClientSampleId :

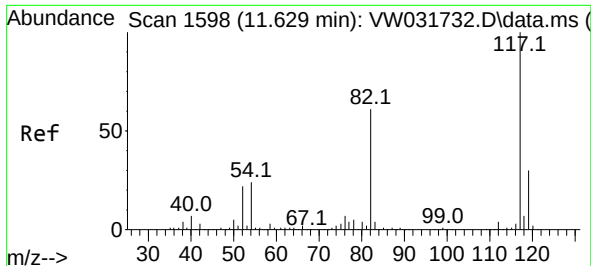
Tgt Ion: 98 Resp: 33456
Ion Ratio Lower Upper
98 100
100 62.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.933 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Tgt Ion: 95 Resp: 12686
Ion Ratio Lower Upper
95 100
174 62.4 0.0 133.8
176 57.9 0.0 126.0

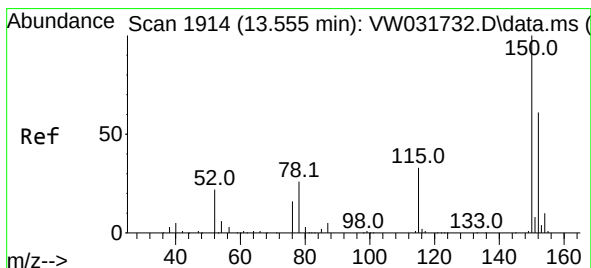
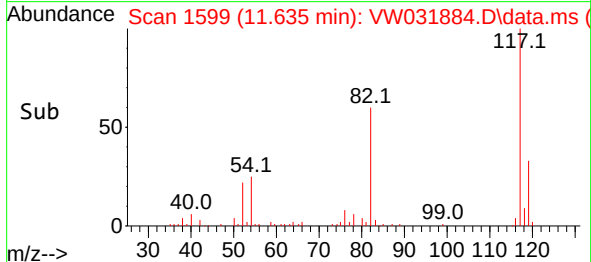
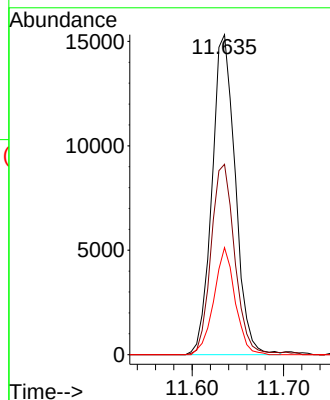
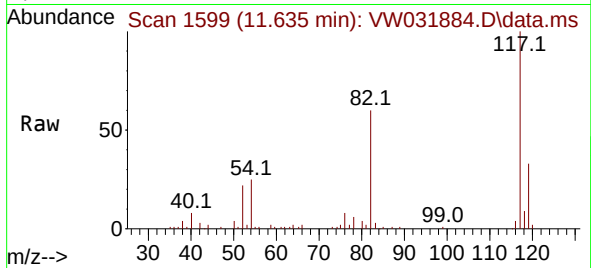




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

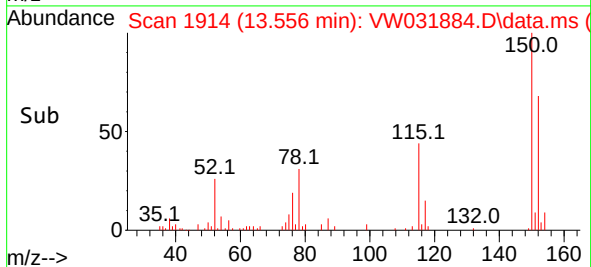
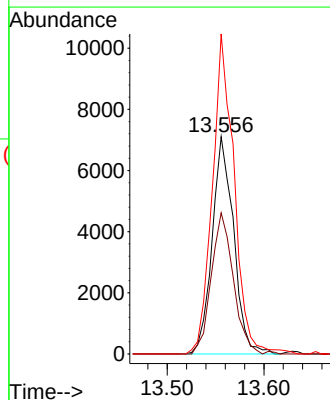
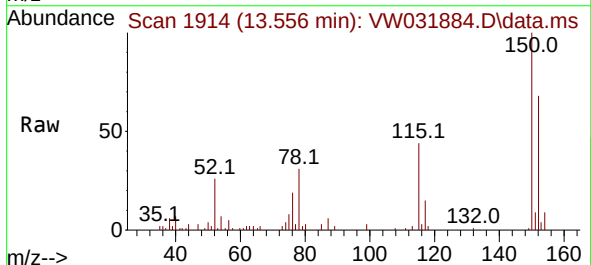
Instrument :
MSVOA_W
ClientSampleId :

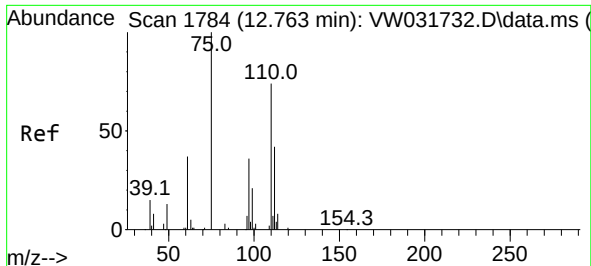
Tgt Ion:117 Resp: 27057
Ion Ratio Lower Upper
117 100
82 59.5 48.6 72.8
119 33.5 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Tgt Ion:152 Resp: 10967
Ion Ratio Lower Upper
152 100
115 66.6 31.9 95.7
150 149.2 0.0 356.4

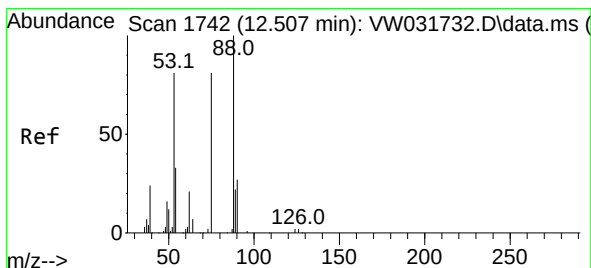
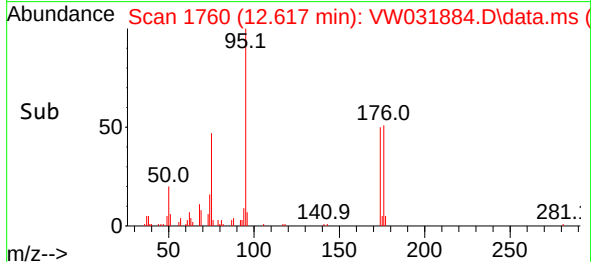
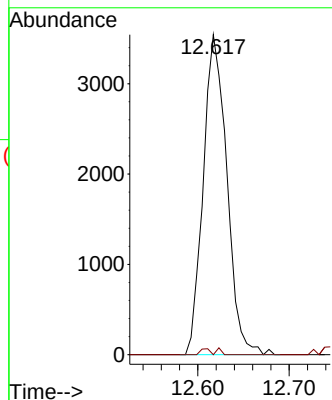
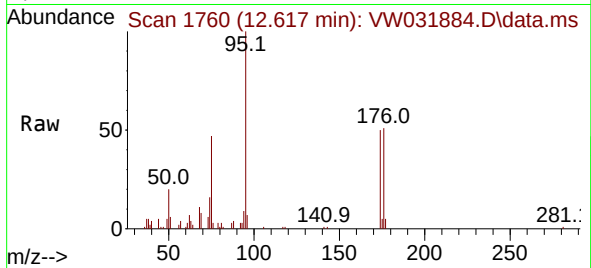




#76
1,2,3-Trichloropropane
Concen: 44.897 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

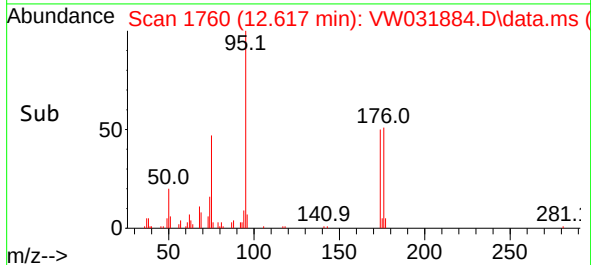
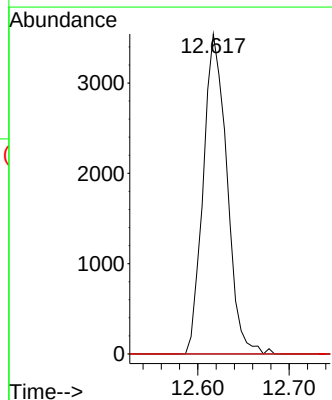
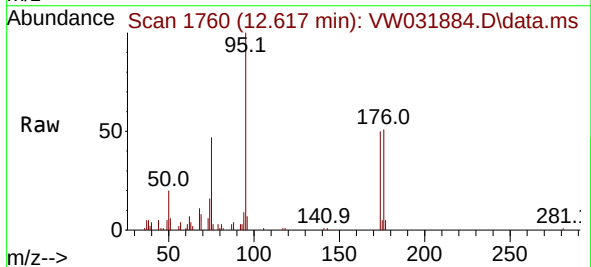
Instrument :
MSVOA_W
ClientSampleId :

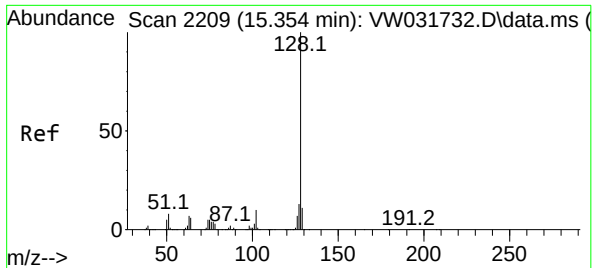
Tgt Ion: 75 Resp: 6363
Ion Ratio Lower Upper
75 100
77 0.7 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.572 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Tgt Ion: 75 Resp: 6363
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#





#95
Naphthalene
Concen: 4.792 ug/l
RT: 15.373 min Scan# 21
Delta R.T. 0.019 min
Lab File: VW031884.D
Acq: 17 Jul 2025 12:57

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	128	Resp:	2471
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.8	16.2
129	12.4	8.7	13.1

