

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086742.D
 Acq On : 21 May 2025 19:31
 Operator : JC\MD
 Sample : Q2095-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP2

Quant Time: May 22 01:30:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

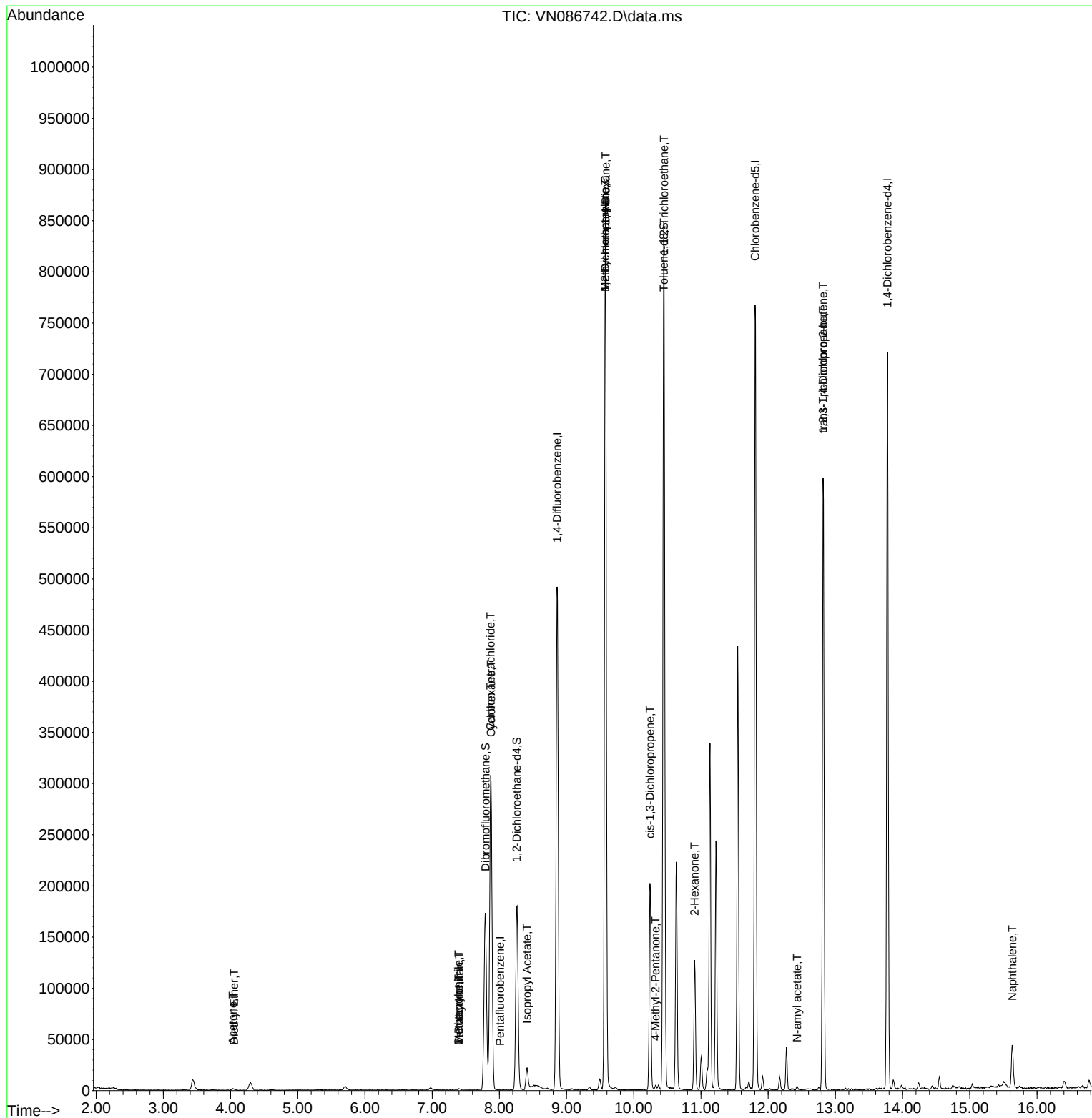
Internal Standards						
1) Pentafluorobenzene	8.012	168	55	50.000	ug/l	#-0.21
34) 1,4-Difluorobenzene	8.859	114	500057	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.806	117	412916	50.000	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	13.776	152	206241	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.259	65	165109	217248.888	ug/l	-0.32
Spiked Amount	50.000	Range 74 - 125	Recovery	= 434497.780%#		
35) Dibromofluoromethane	7.794	113	146965	49.349	ug/l	-0.37
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.700%		
50) Toluene-d8	10.447	98	642319	52.047	ug/l	-0.12
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.100%		
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range 77 - 121	Recovery	= 0.000%#		
Target Compounds						
					Qvalue	
8) Diethyl Ether	4.053	74	499	1252.766	ug/l #	4
16) Acetone	4.036	43	2195	7720.987	ug/l #	42
25) 2-Butanone	7.394	43	61	138.855	ug/l #	1
29) Tetrahydrofuran	7.406	42	1162	4052.412	ug/l #	70
31) Cyclohexane	7.877	56	4720	4138.046	ug/l #	1
38) Carbon Tetrachloride	7.871	117	19860	4.589	ug/l #	17
41) Methacrylonitrile	7.394	41	563	0.235	ug/l #	25
43) Isopropyl Acetate	8.412	43	27119	3.049	ug/l #	92
45) 1,2-Dichloropropane	9.577	63	1184	0.348	ug/l #	42
48) Methyl methacrylate	9.577	41	72585	21.057	ug/l #	35
49) 1,4-Dioxane	9.582	88	66	0.904	ug/l #	1
51) 4-Methyl-2-Pentanone	10.324	43	3341	0.745	ug/l	94
54) cis-1,3-Dichloropropene	10.241	75	42795	7.823	ug/l #	54
55) 1,1,2-Trichloroethane	10.453	97	14605	4.396	ug/l #	1
59) 2-Hexanone	10.906	43	89623	27.359	ug/l #	21
74) N-amyl acetate	12.429	43	3369	0.506	ug/l #	39
76) 1,2,3-Trichloropropane	12.818	75	109023	23.374	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.818	75	109023	58.987	ug/l #	15
95) Naphthalene	15.635	128	45153	4.668	ug/l	99

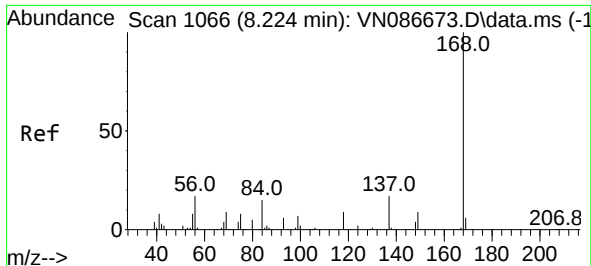
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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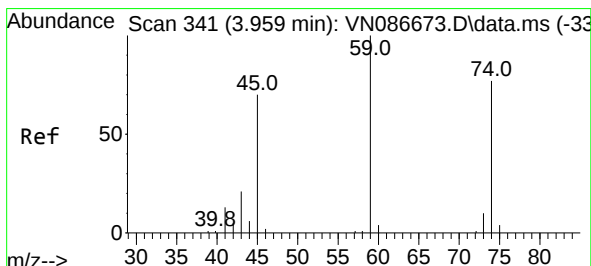
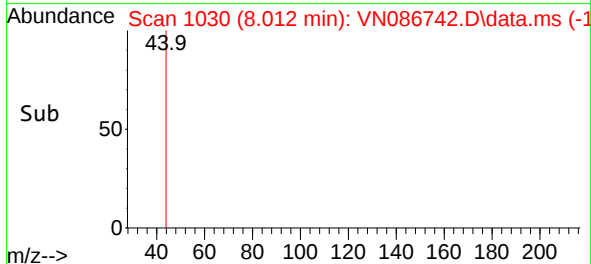
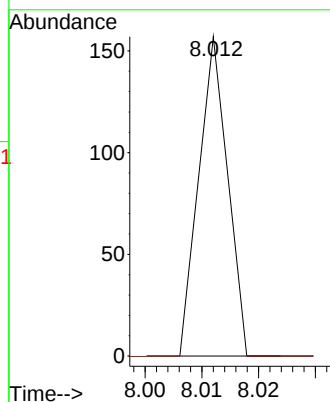
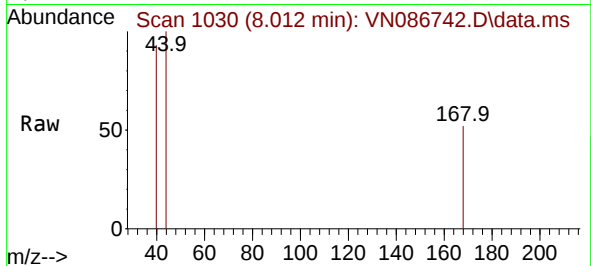




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.012 min Scan# 1030
Delta R.T. -0.212 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

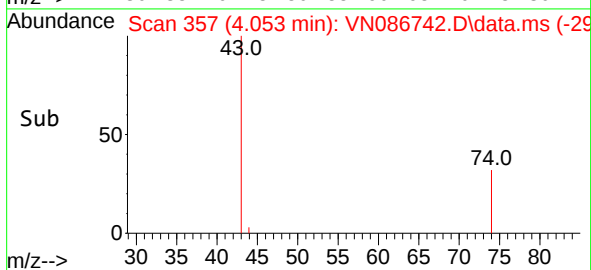
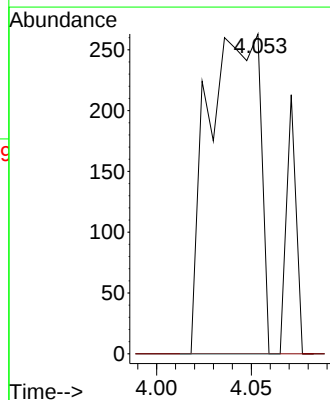
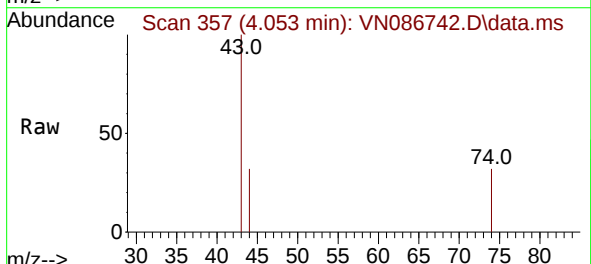
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

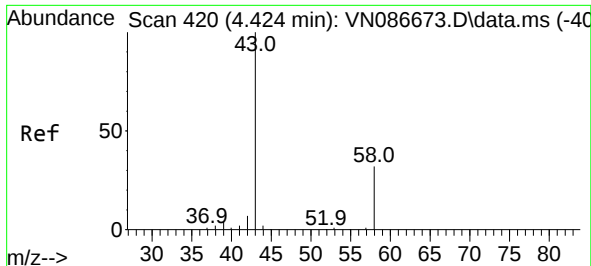
Tgt Ion:168 Resp: 55
Ion Ratio Lower Upper
168 100
99 0.0 47.0 70.4#



#8
Diethyl Ether
Concen: 1252.766 ug/l
RT: 4.053 min Scan# 357
Delta R.T. 0.094 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion: 74 Resp: 499
Ion Ratio Lower Upper
74 100
45 0.0 45.0 135.0#

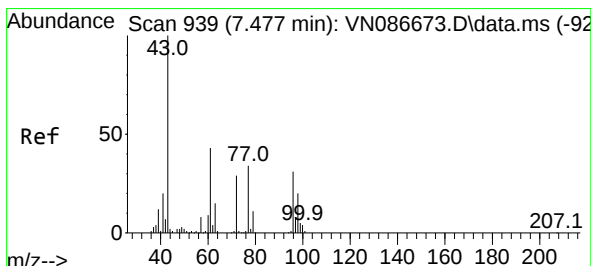
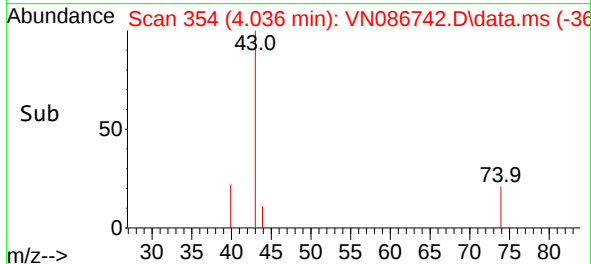
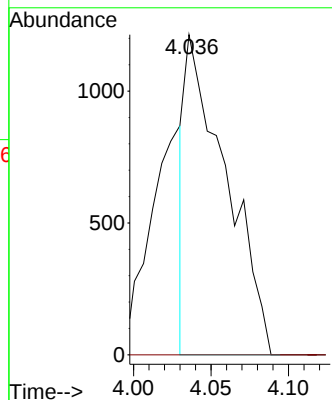
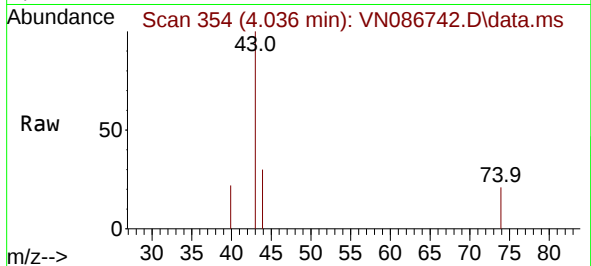




#16
Acetone
Concen: 7720.987 ug/l
RT: 4.036 min Scan# 31
Delta R.T. -0.388 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

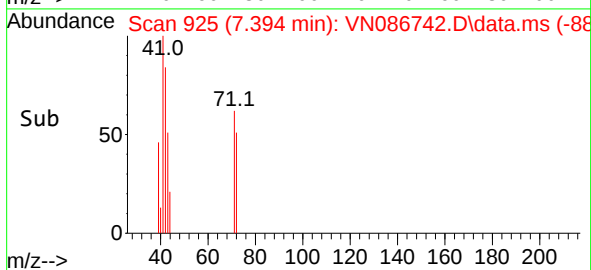
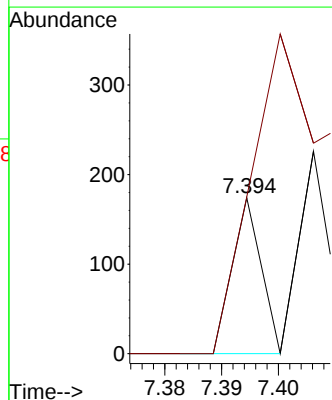
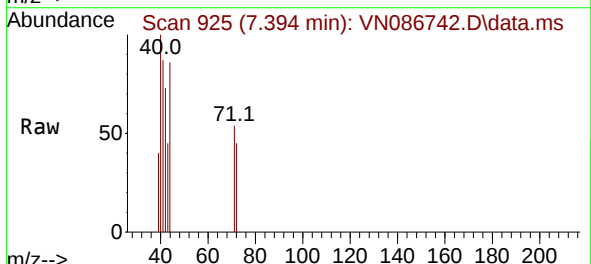
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

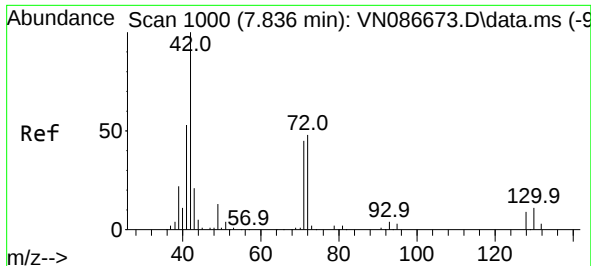
Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#25
2-Butanone
Concen: 138.855 ug/l
RT: 7.394 min Scan# 925
Delta R.T. -0.082 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 100.6 23.1 34.7#





#29

Tetrahydrofuran

Concen: 4052.412 ug/l

RT: 7.406 min Scan# 91

Delta R.T. -0.429 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP2

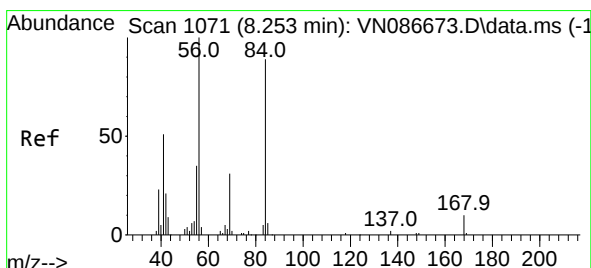
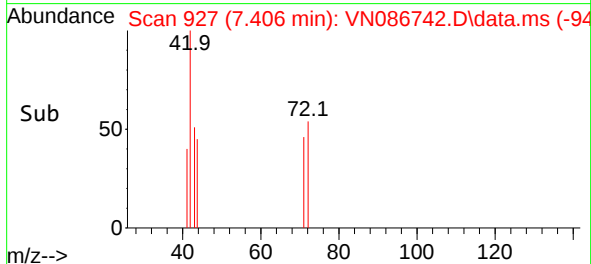
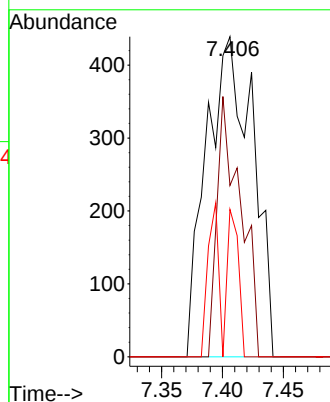
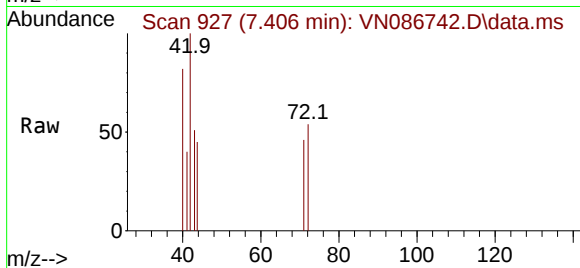
Tgt Ion: 42 Resp: 1162

Ion Ratio Lower Upper

42 100

72 41.4 38.7 58.1

71 11.2 36.2 54.4#



#31

Cyclohexane

Concen: 4138.046 ug/l

RT: 7.877 min Scan# 1007

Delta R.T. -0.376 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

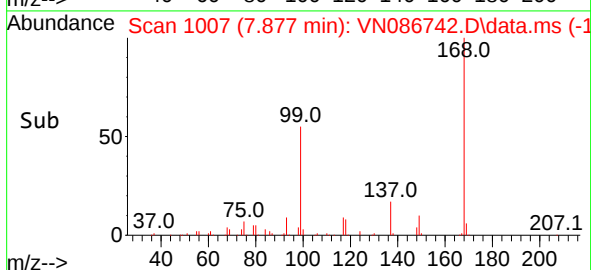
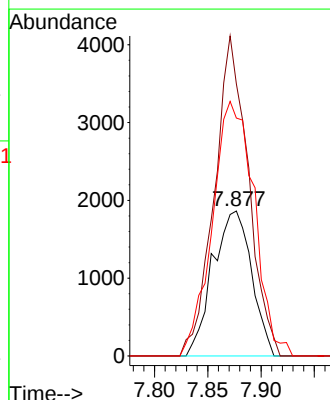
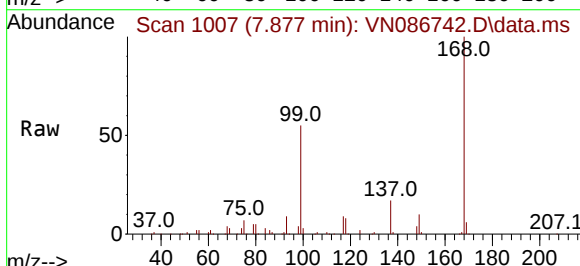
Tgt Ion: 56 Resp: 4720

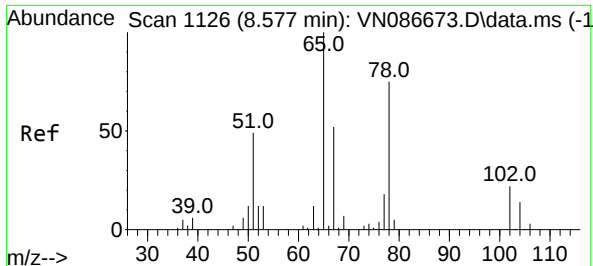
Ion Ratio Lower Upper

56 100

69 187.7 25.0 37.6#

84 164.1 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 217248.888 ug/l

RT: 8.259 min Scan# 1107

Delta R.T. -0.318 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

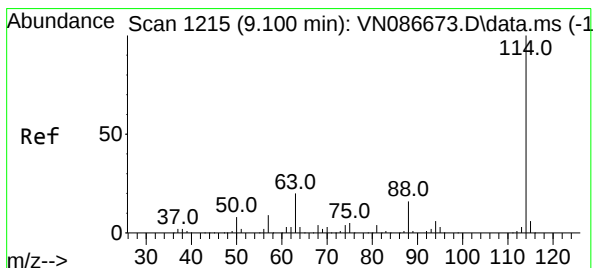
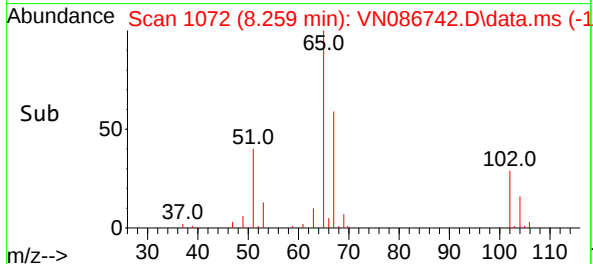
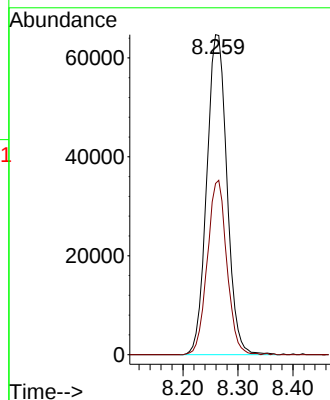
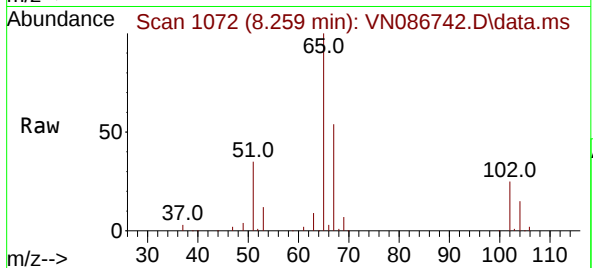
WCS-TP2

Tgt Ion: 65 Resp: 165109

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.859 min Scan# 1174

Delta R.T. -0.241 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

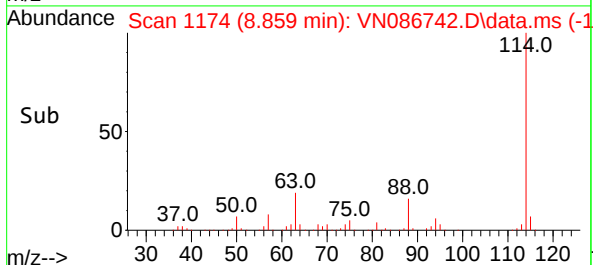
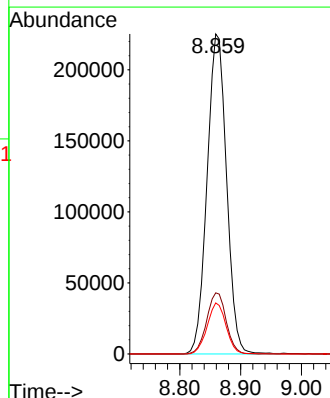
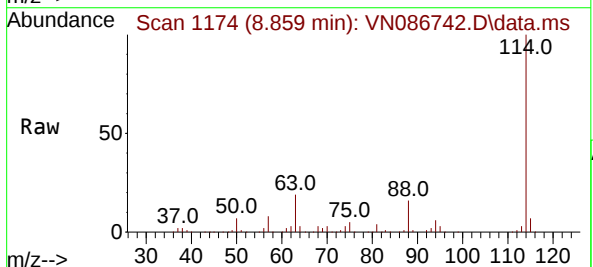
Tgt Ion: 114 Resp: 500057

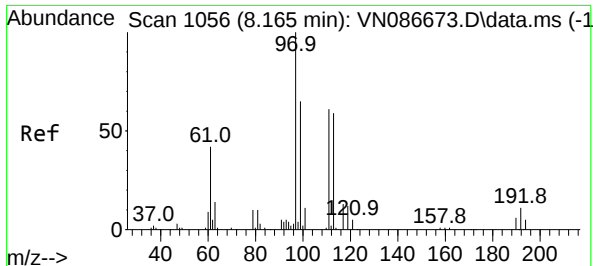
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.2

88 15.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.349 ug/l

RT: 7.794 min Scan# 91

Delta R.T. -0.371 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

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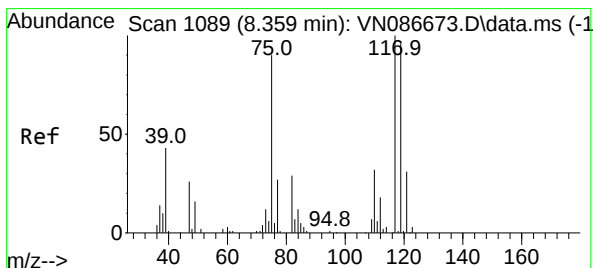
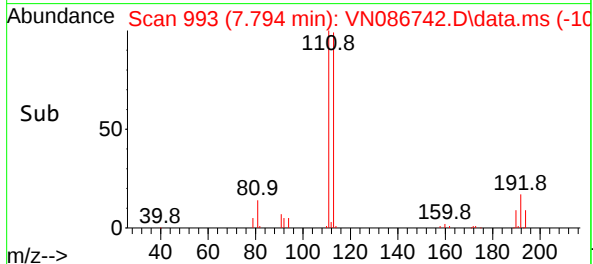
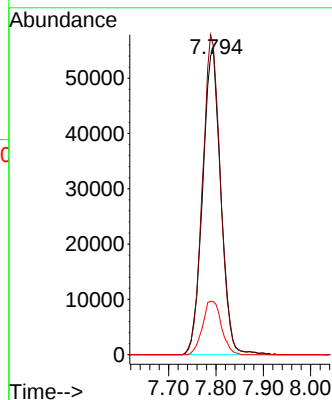
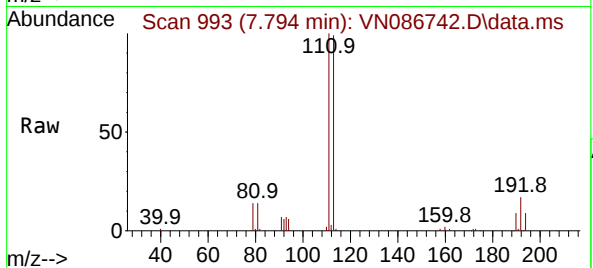
Tgt Ion:113 Resp: 146965

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 18.2 13.8 20.8



#38

Carbon Tetrachloride

Concen: 4.589 ug/l

RT: 7.871 min Scan# 1006

Delta R.T. -0.488 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

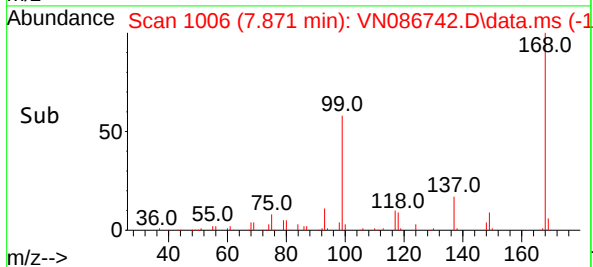
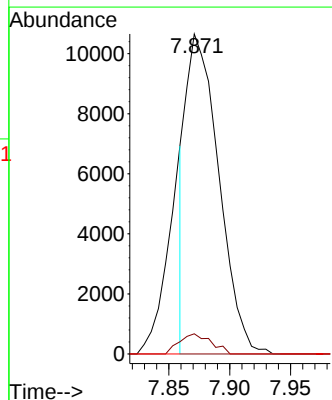
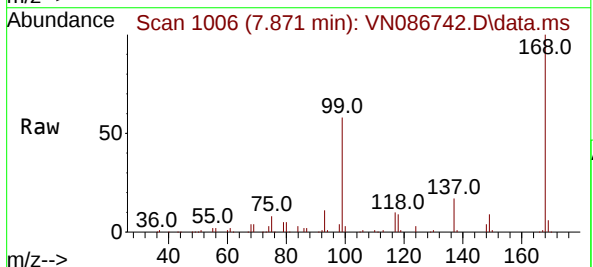
Tgt Ion:117 Resp: 19860

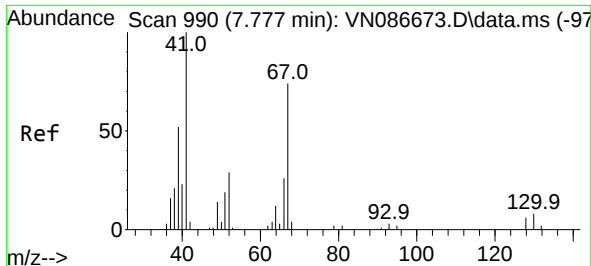
Ion Ratio Lower Upper

117 100

119 6.3 77.0 115.6#

121 0.0 25.0 37.6#

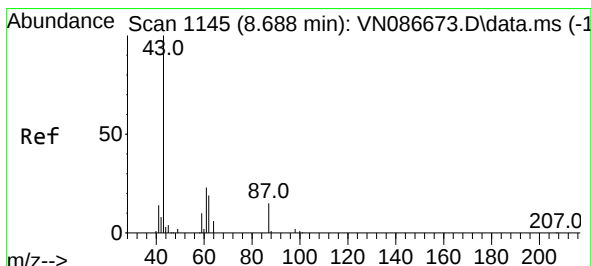
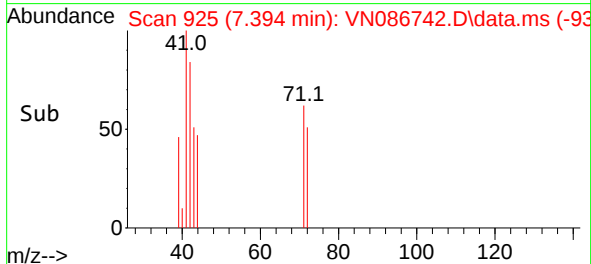
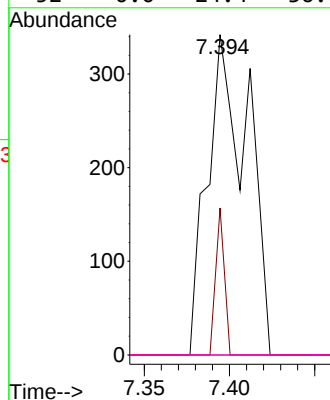
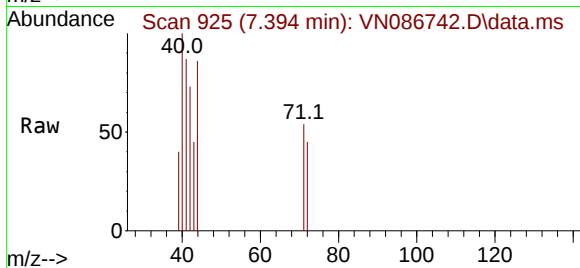




#41
Methacrylonitrile
Concen: 0.235 ug/l
RT: 7.394 min Scan# 91
Delta R.T. -0.382 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

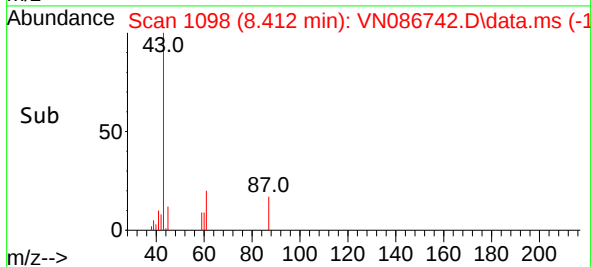
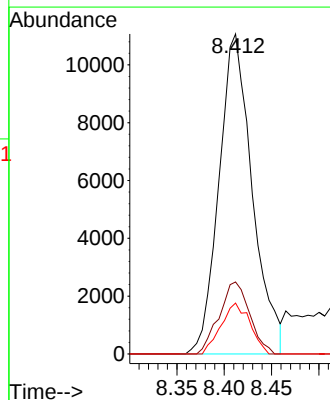
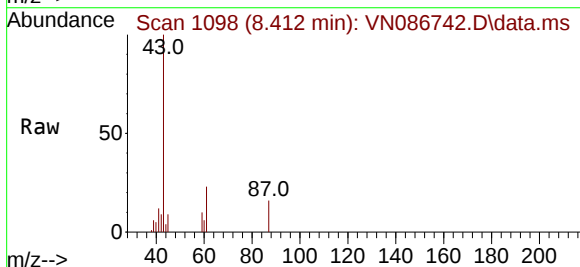
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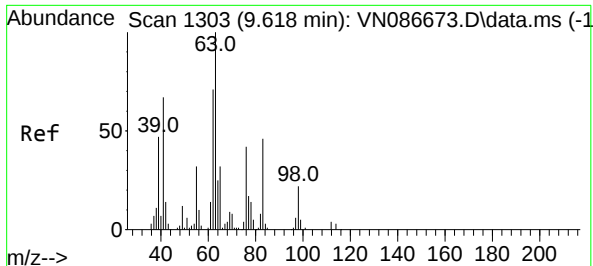
Tgt Ion: 41	Resp: 563
Ion Ratio	Lower Upper
41 100	
39 9.8	44.9 67.3#
67 0.0	63.4 95.0#
52 0.0	24.4 36.6#



#43
Isopropyl Acetate
Concen: 3.049 ug/l
RT: 8.412 min Scan# 1098
Delta R.T. -0.276 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion: 43	Resp: 27119
Ion Ratio	Lower Upper
43 100	
61 20.6	21.4 32.2#
87 13.8	11.1 16.7

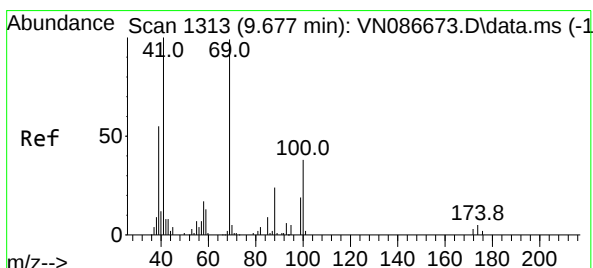
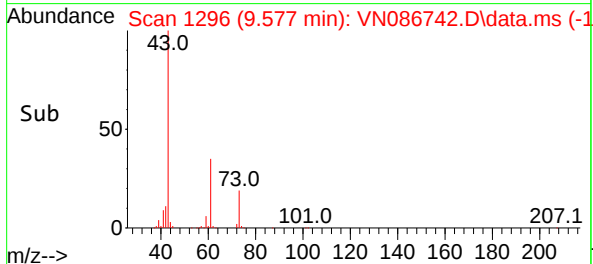
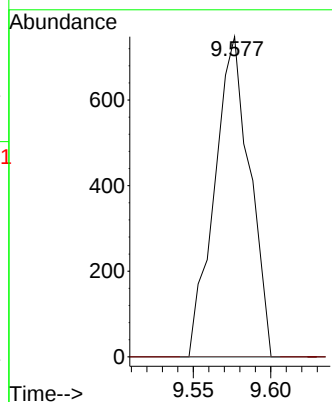
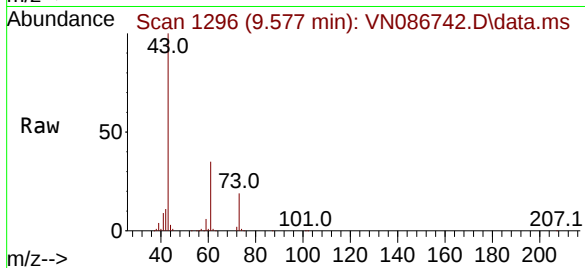




#45
1,2-Dichloropropane
Concen: 0.348 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.041 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

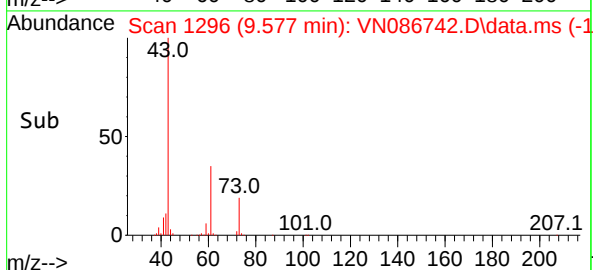
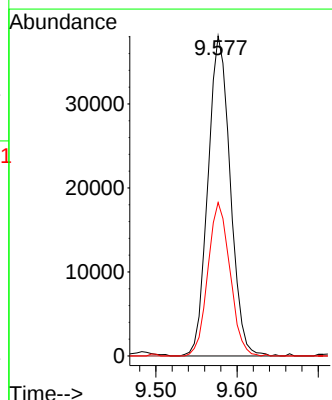
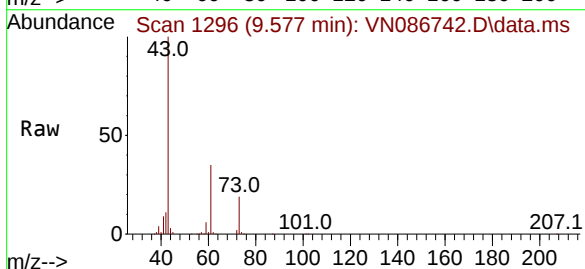
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

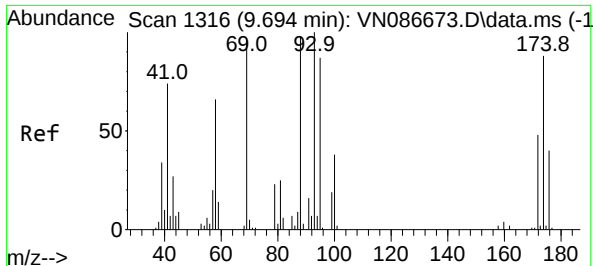
Tgt Ion: 63 Resp: 1184
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#



#48
Methyl methacrylate
Concen: 21.057 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.100 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion: 41 Resp: 72585
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 47.5 44.1 66.1





#49

1,4-Dioxane

Concen: 0.904 ug/l

RT: 9.582 min Scan# 11

Delta R.T. -0.112 min

Lab File: VN086742.D

Acq: 21 May 2025 19:31

Instrument :

MSVOA_N

ClientSampleId :

WCS-TP2

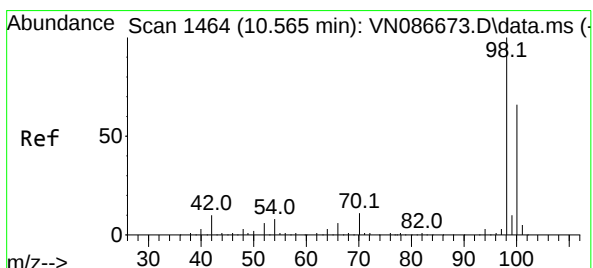
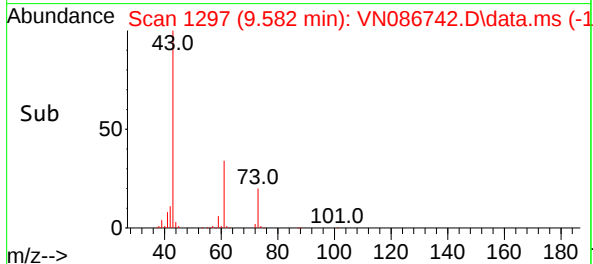
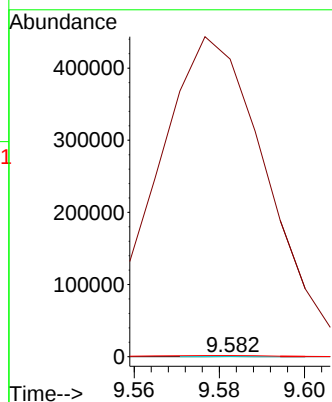
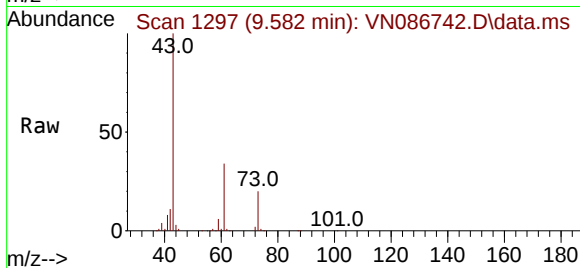
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 1259624.2 23.6 35.4#

58 4950.0 55.3 82.9#



#50

Toluene-d8

Concen: 52.047 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.118 min

Lab File: VN086742.D

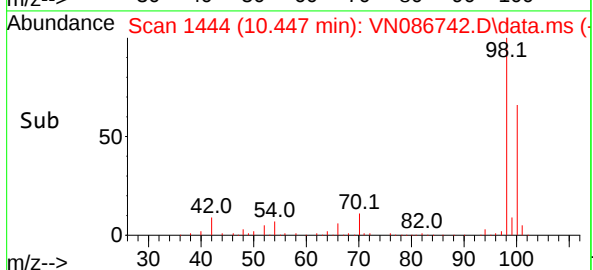
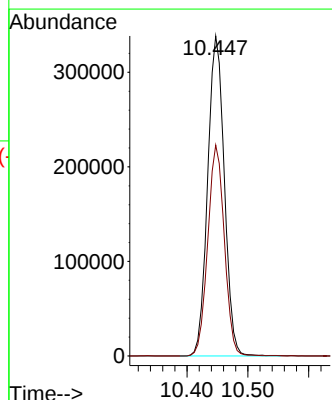
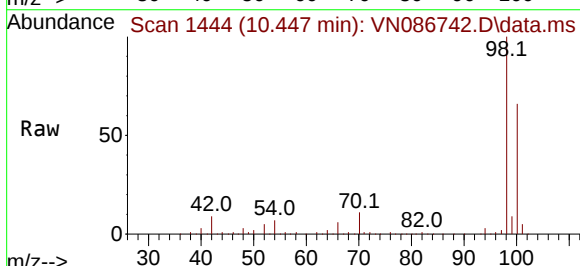
Acq: 21 May 2025 19:31

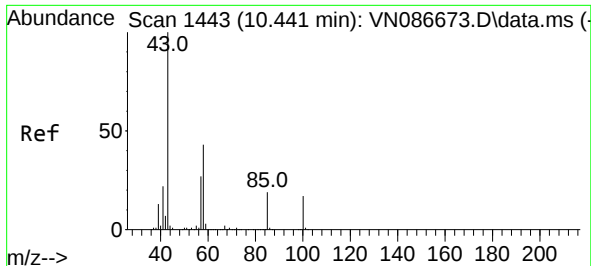
Tgt Ion: 98 Resp: 642319

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3

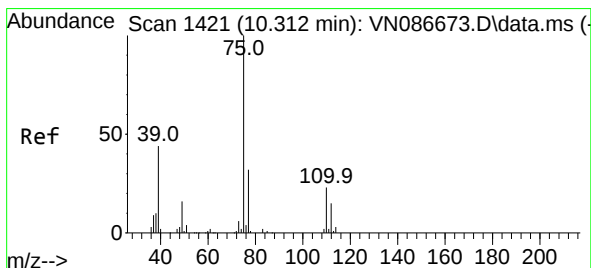
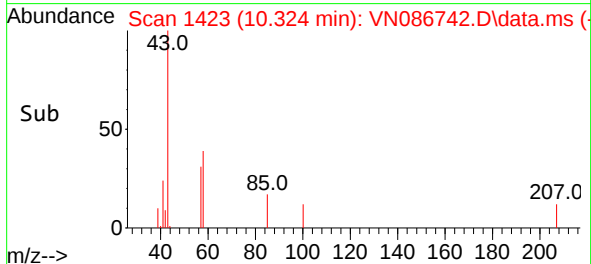
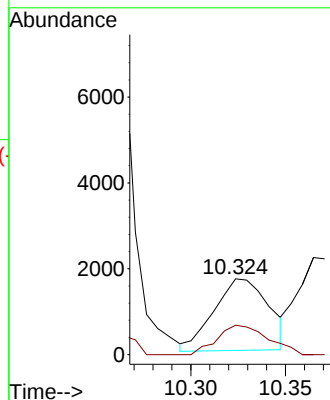
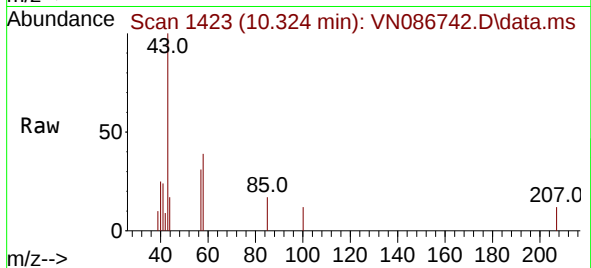




#51
4-Methyl-2-Pentanone
Concen: 0.745 ug/l
RT: 10.324 min Scan# 1409
Delta R.T. -0.118 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

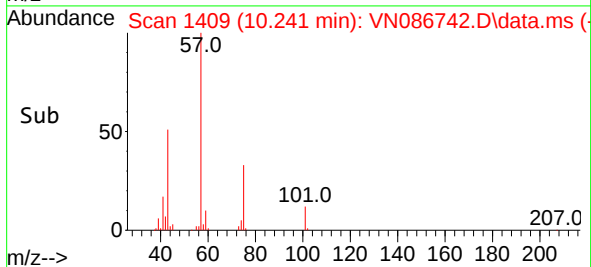
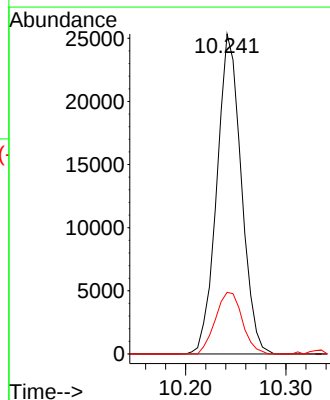
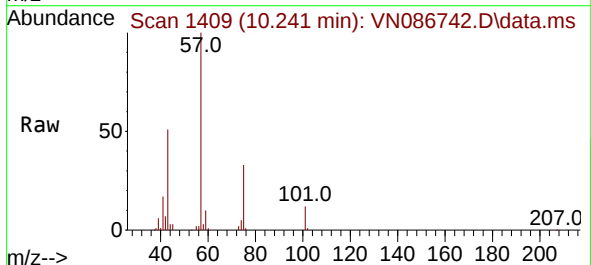
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

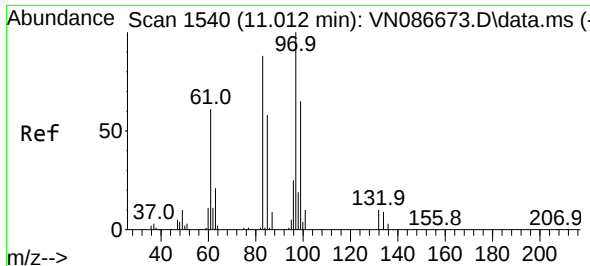
Tgt Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
58 38.4 33.9 50.9



#54
cis-1,3-Dichloropropene
Concen: 7.823 ug/l
RT: 10.241 min Scan# 1409
Delta R.T. -0.071 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

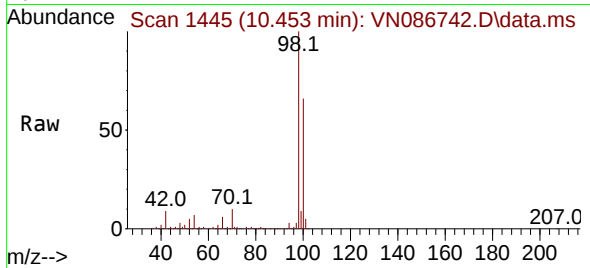
Tgt Ion: 75 Resp: 42795
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 19.3 35.2 52.8#



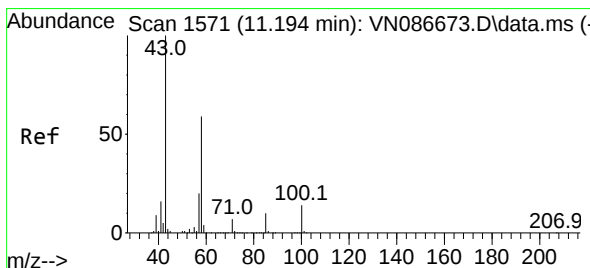
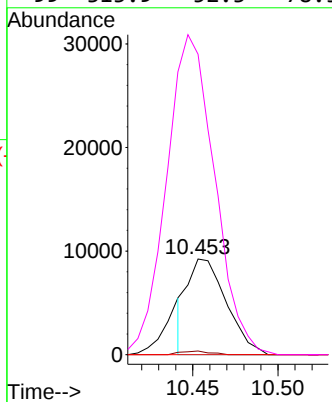
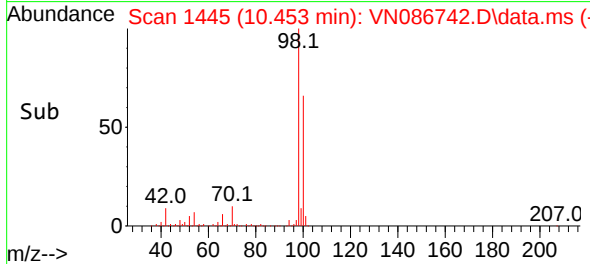


#55
1,1,2-Trichloroethane
Concen: 4.396 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.559 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

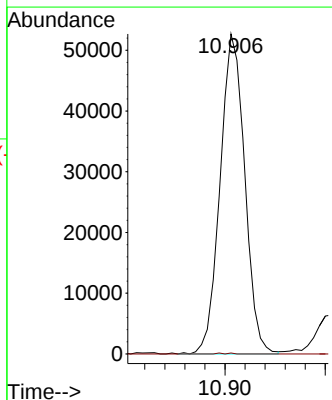
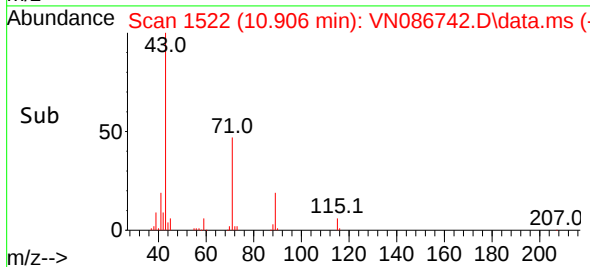
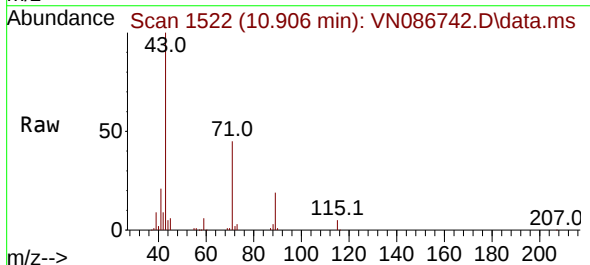


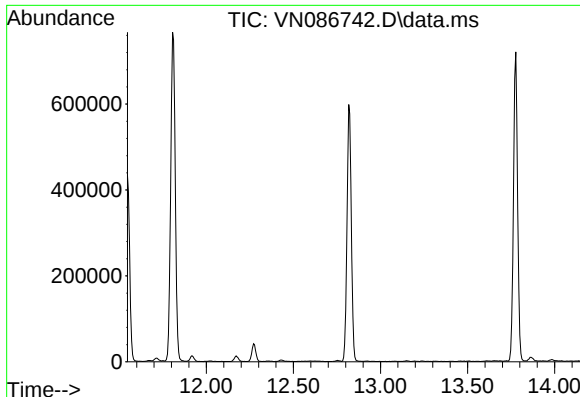
Tgt Ion:	97	Resp:	14605
Ion	Ratio	Lower	Upper
97	100		
83	3.8	70.4	105.6#
85	0.0	46.1	69.1#
99	313.9	52.3	78.5#



#59
2-Hexanone
Concen: 27.359 ug/l
RT: 10.906 min Scan# 1522
Delta R.T. -0.288 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion:	43	Resp:	89623
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.8	89.5#



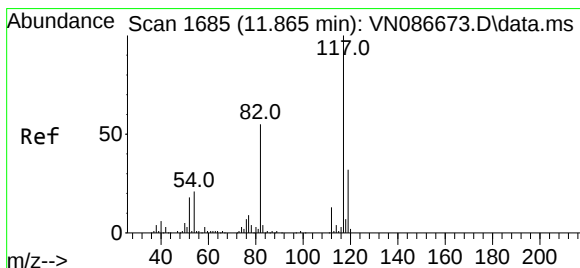
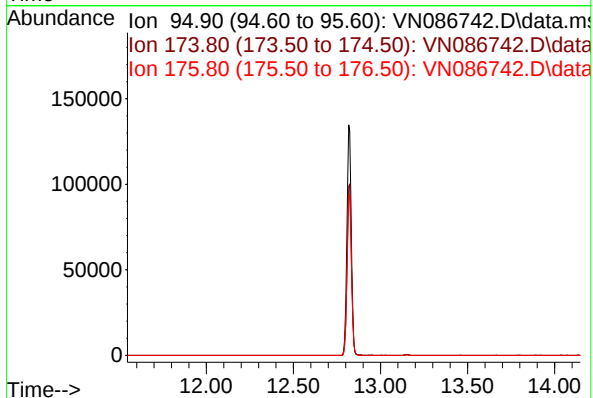


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.85 min
 Lab File: VN086742.D
 Acq: 21 May 2025 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TP2

Tgt Ion: 95

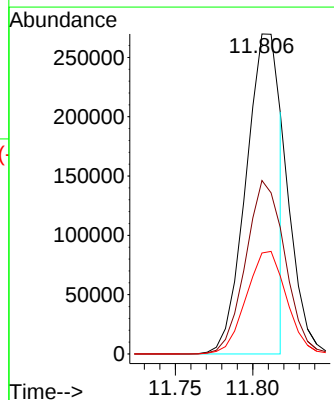
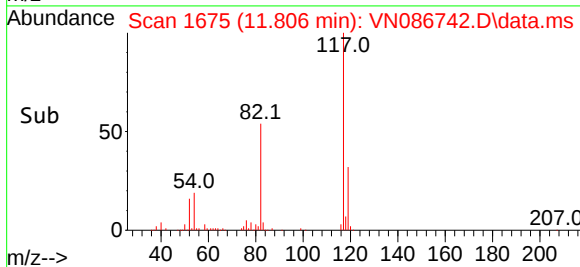
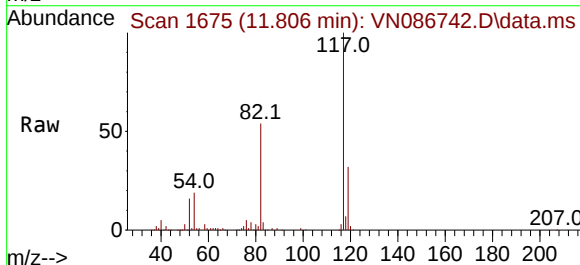
Sig	Exp Ratio
95	100
174	72.7
176	68.9

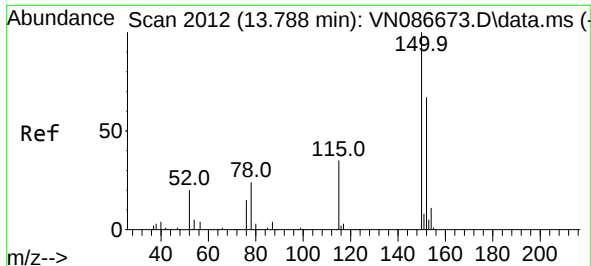


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.806 min Scan# 1675
 Delta R.T. -0.059 min
 Lab File: VN086742.D
 Acq: 21 May 2025 19:31

Tgt Ion: 117 Resp: 412916

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	31.5	25.4	38.2

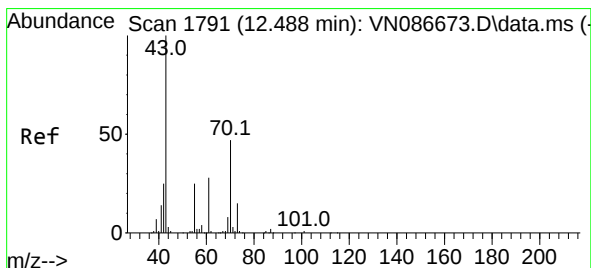
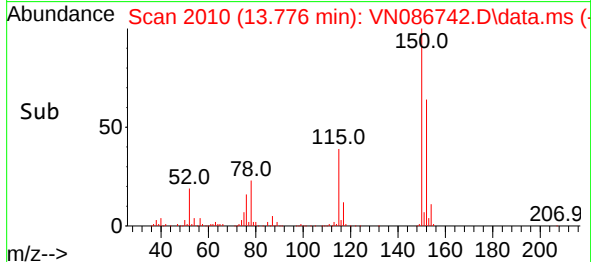
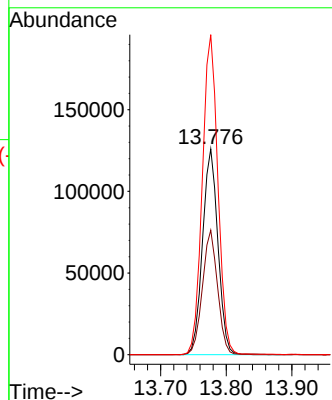
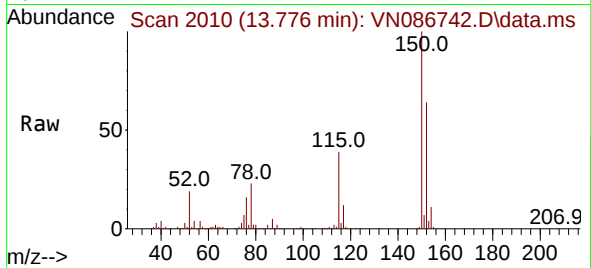




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.776 min Scan# 2012
Delta R.T. -0.012 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

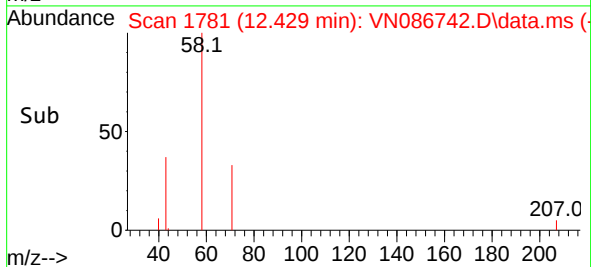
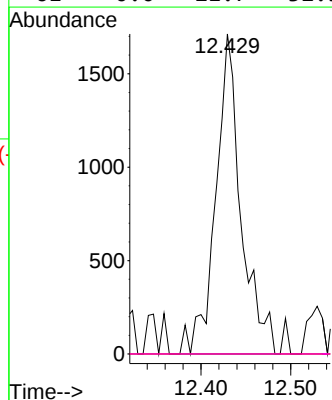
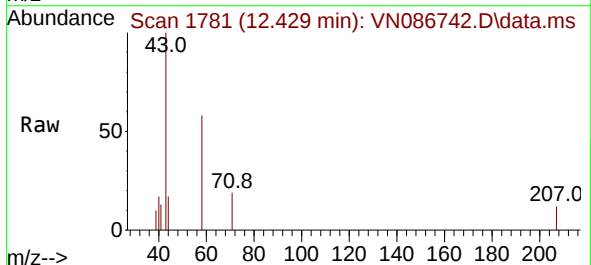
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

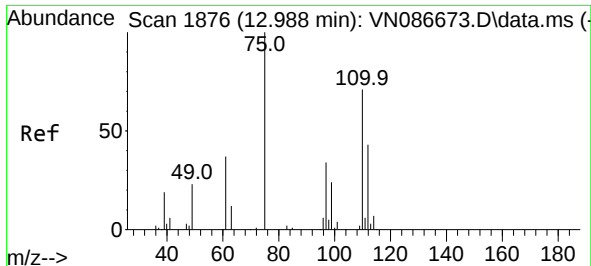
Tgt Ion:152 Resp: 206241
Ion Ratio Lower Upper
152 100
115 59.6 30.0 90.1
150 157.2 0.0 347.8



#74
N-ethyl acetate
Concen: 0.506 ug/l
RT: 12.429 min Scan# 1791
Delta R.T. -0.059 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Tgt Ion: 43 Resp: 3369
Ion Ratio Lower Upper
43 100
70 0.0 37.9 56.9#
55 0.0 20.5 30.7#
61 0.0 21.7 32.5#

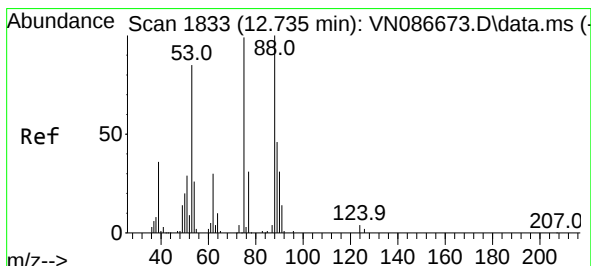
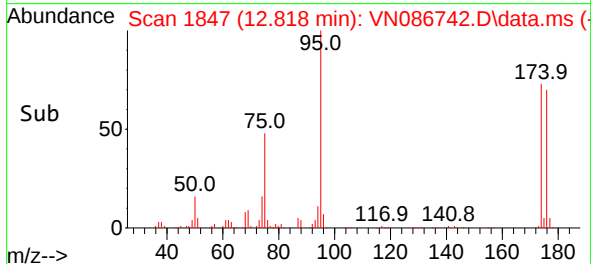
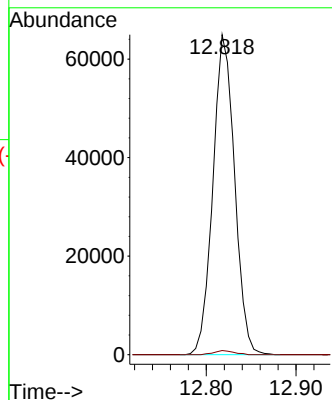
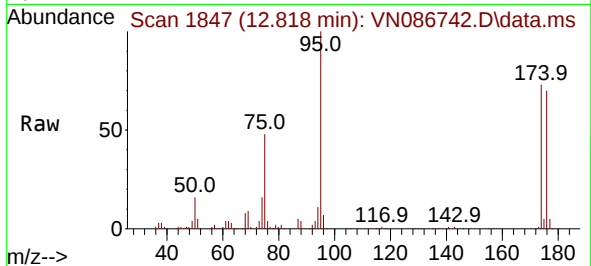




#76
1,2,3-Trichloropropane
Concen: 23.374 ug/l
RT: 12.818 min Scan# 1847
Delta R.T. -0.171 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

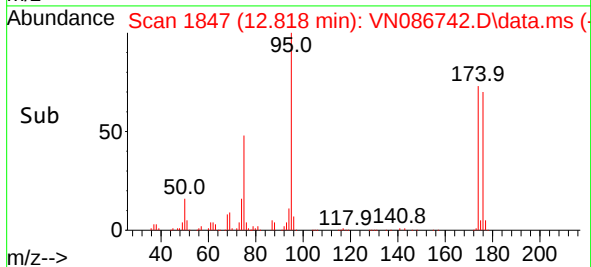
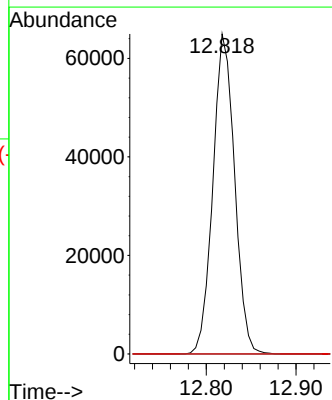
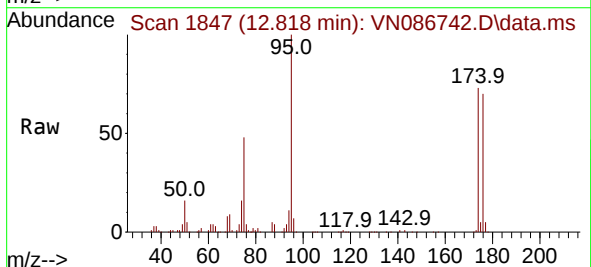
Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2

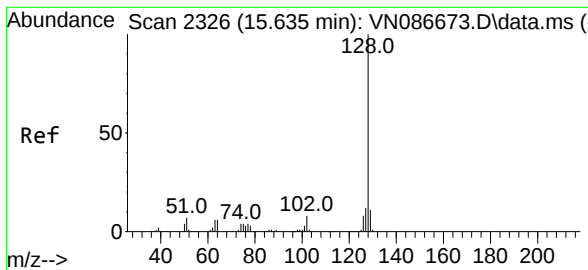
Tgt Ion: 75 Resp: 109023
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.987 ug/l
RT: 12.818 min Scan# 1847
Delta R.T. 0.082 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

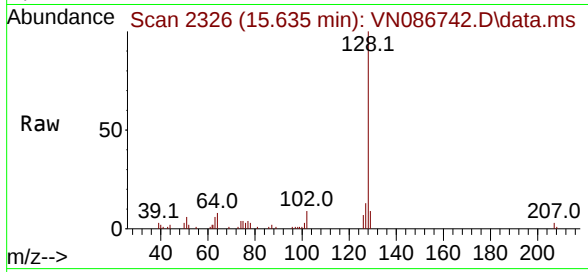
Tgt Ion: 75 Resp: 109023
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#





#95
Naphthalene
Concen: 4.668 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086742.D
Acq: 21 May 2025 19:31

Instrument :
MSVOA_N
ClientSampleId :
WCS-TP2



Tgt Ion:	128	Resp:	45153
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.0	8.6	13.0

