

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086531.D
 Acq On : 07 May 2025 12:45
 Operator : JC\MD
 Sample : VN0507WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBL01

Quant Time: May 08 03:25:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

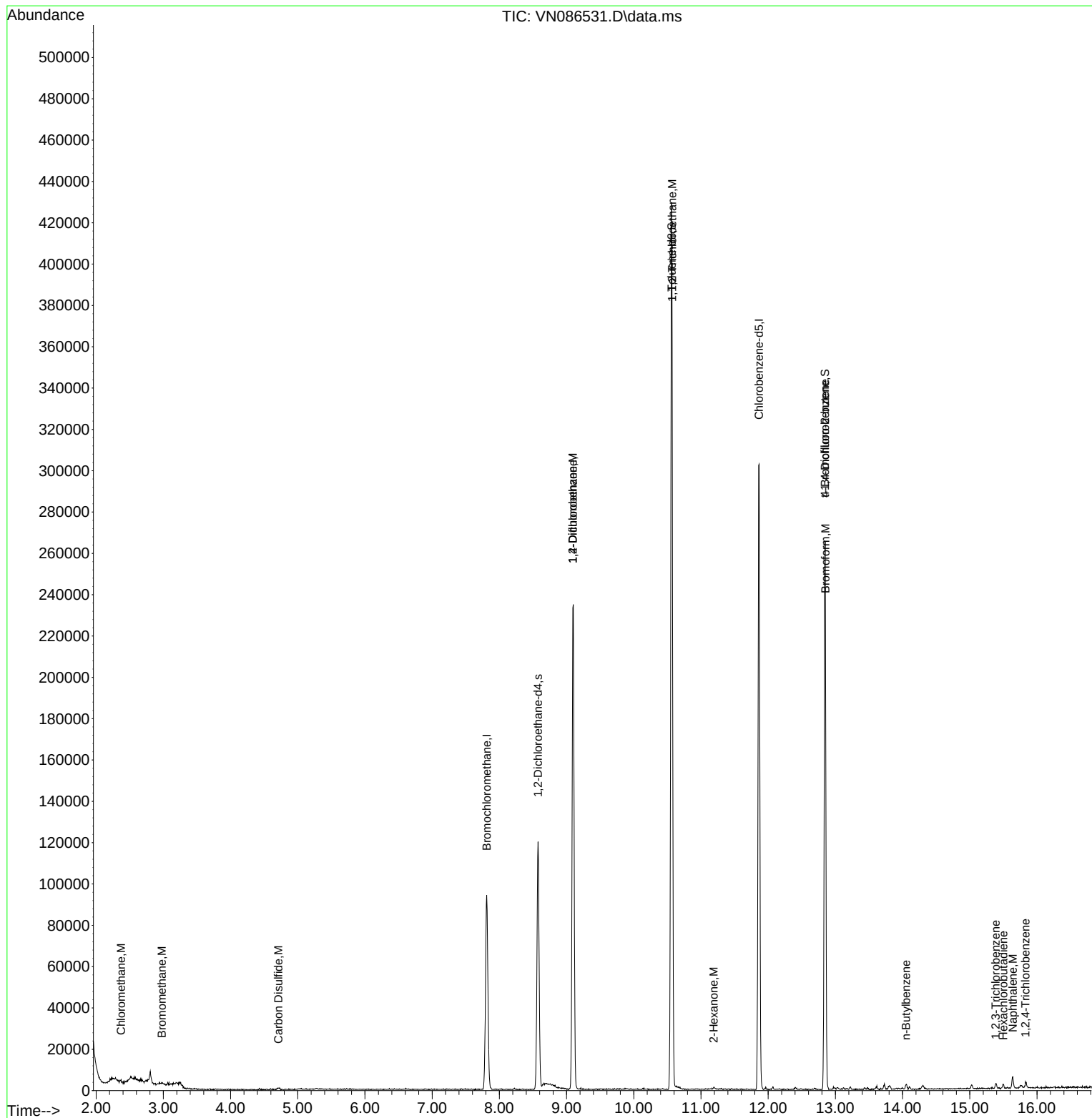
Internal Standards						
1) Bromochloromethane	7.812	128	36489	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	216920	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	188358	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	99317	28.231	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.100%
60) 4-Bromofluorobenzene	12.847	95	97805	26.419	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.067%
63) Toluene-d8	10.565	98	306756	29.603	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	887	0.248	ug/l	92
5) Bromomethane	2.977	94	531	0.297	ug/l	88
16) Carbon Disulfide	4.712	76	1592	0.237	ug/l #	75
36) 1,2-Dichloroethane	9.094	62	6687	1.693	ug/l #	74
50) 1,1,2-Trichloroethane	10.570	97	8894	3.169	ug/l #	1
56) Bromoform	12.853	173	533	0.261	ug/l #	1
59) 2-Hexanone	11.188	43	610	0.227	ug/l #	73
77) t-1,4-Dichloro-2-butene	12.847	75	49022	31.972	ug/l #	13
85) n-Butylbenzene	14.053	91	2145	0.218	ug/l	92
89) 1,2,4-Trichlorobenzene	15.829	180	903	0.364	ug/l #	21
90) Hexachlorobutadiene	15.500	225	659	0.660	ug/l	73
91) Naphthalene	15.641	128	6336	0.713	ug/l #	88
92) 1,2,3-Trichlorobenzene	15.388	180	977	0.394	ug/l	72

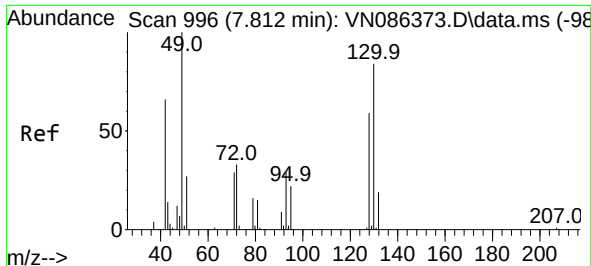
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086531.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Quant Time: May 08 03:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

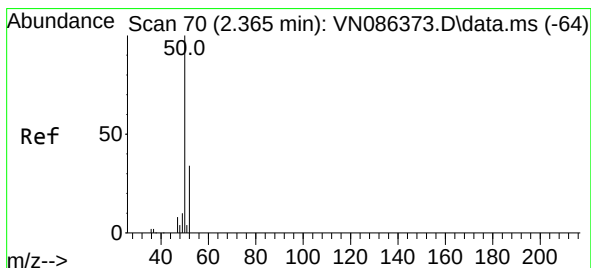
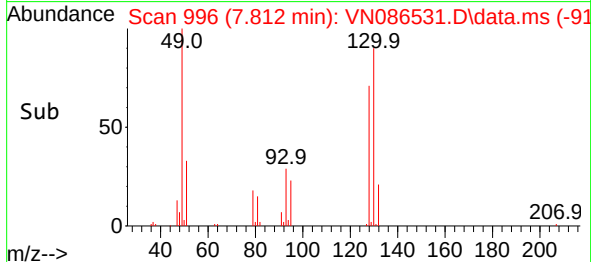
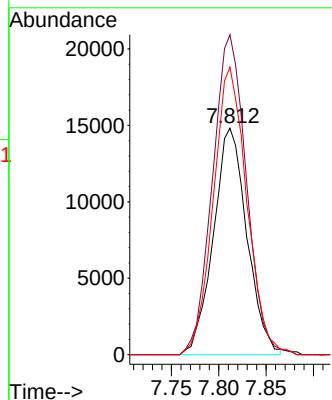
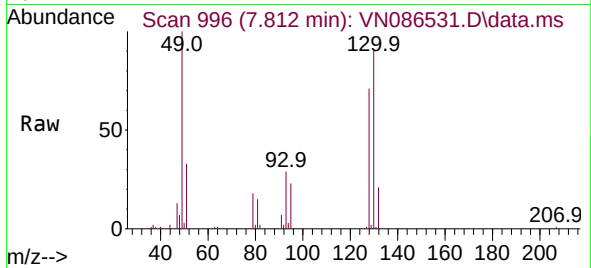




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

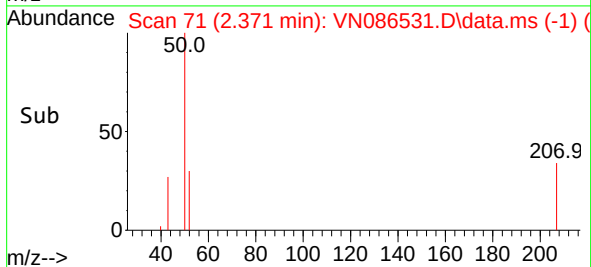
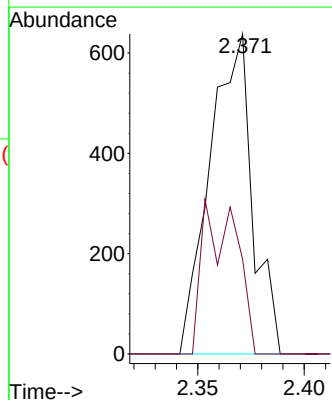
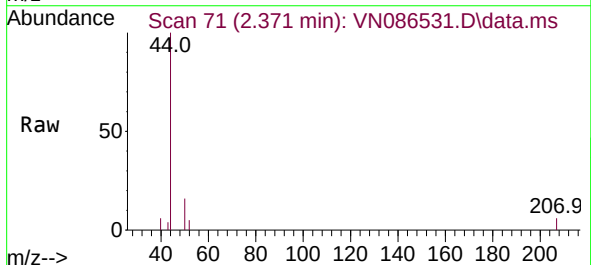
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

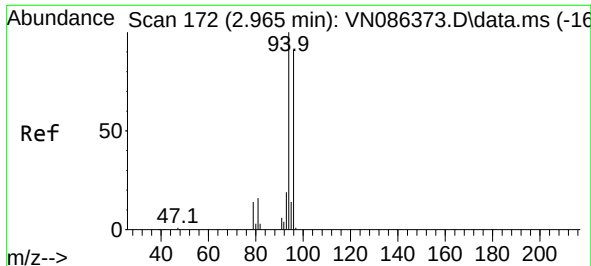
Tgt Ion:128 Resp: 36489
Ion Ratio Lower Upper
128 100
49 142.7 0.0 433.8
130 127.2 0.0 325.0



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 29.6 27.3 40.9

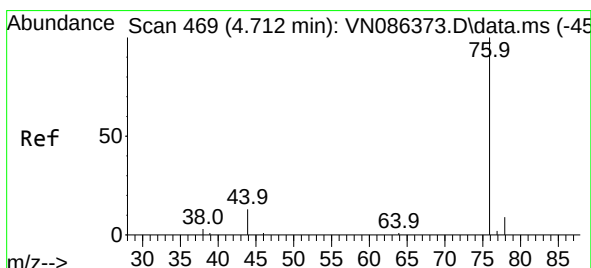
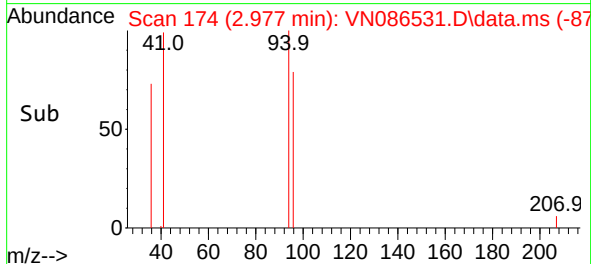
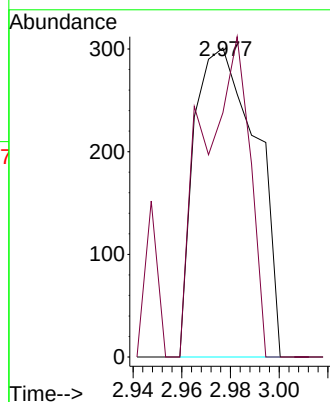
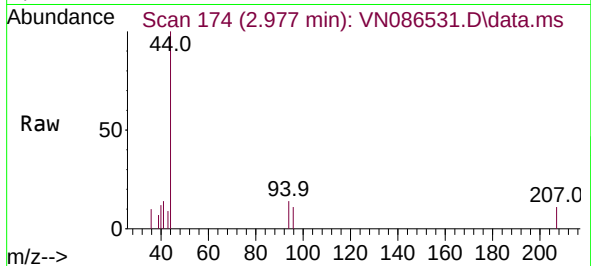




#5
Bromomethane
Concen: 0.297 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

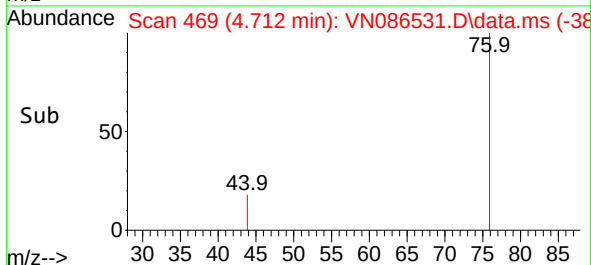
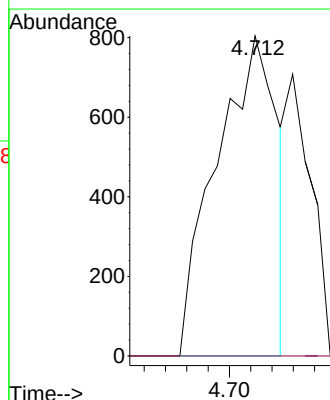
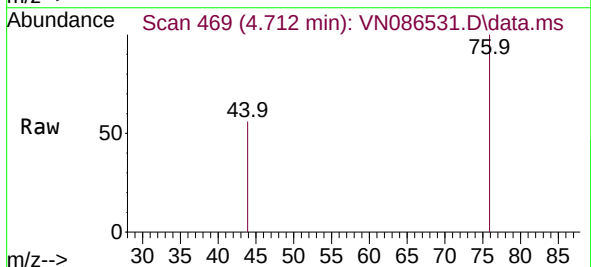
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

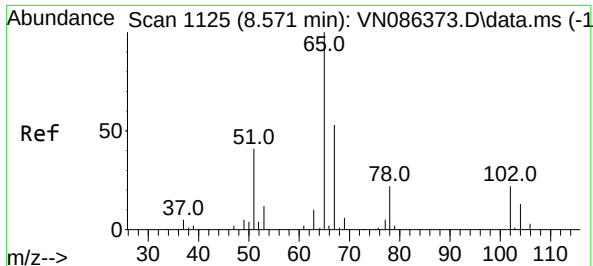
Tgt Ion: 94 Resp: 531
Ion Ratio Lower Upper
94 100
96 79.1 72.4 108.6



#16
Carbon Disulfide
Concen: 0.237 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion: 76 Resp: 1592
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#27

1,2-Dichloroethane-d4

Concen: 28.231 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

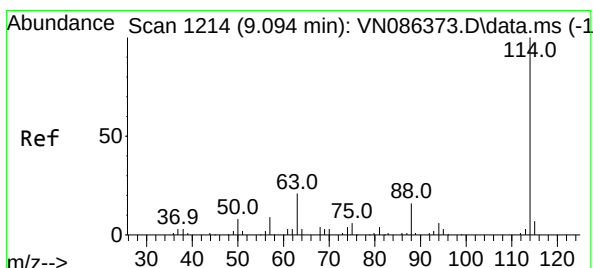
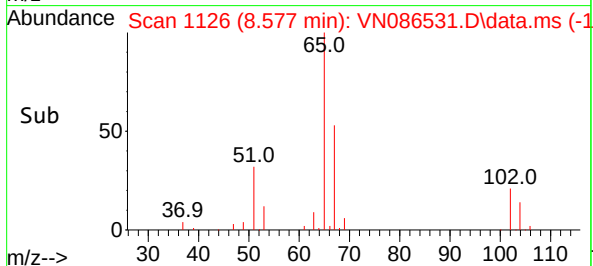
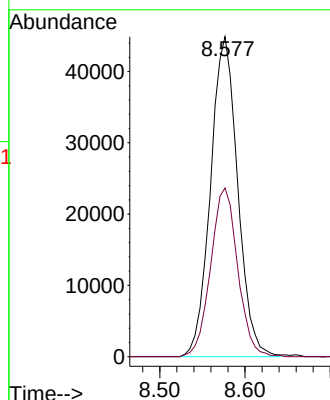
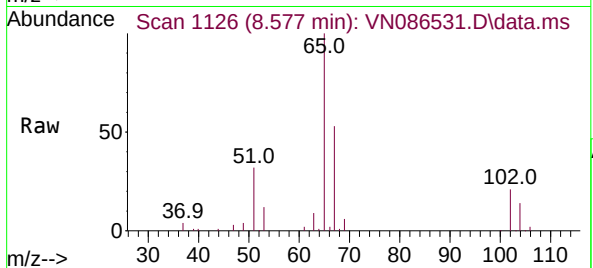
VN0507WBL01

Tgt Ion: 65 Resp: 99317

Ion Ratio Lower Upper

65 100

67 52.4 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

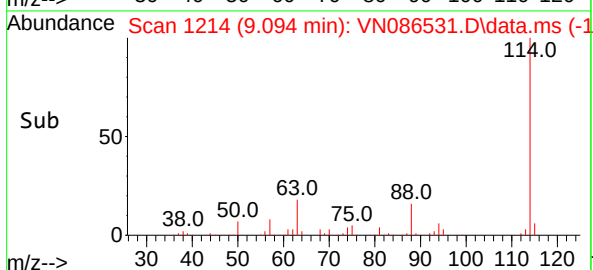
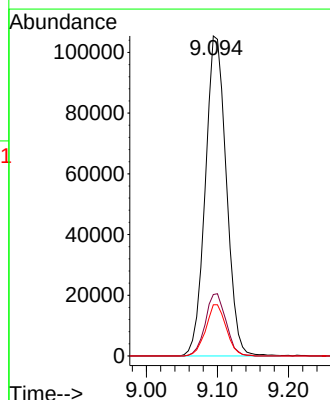
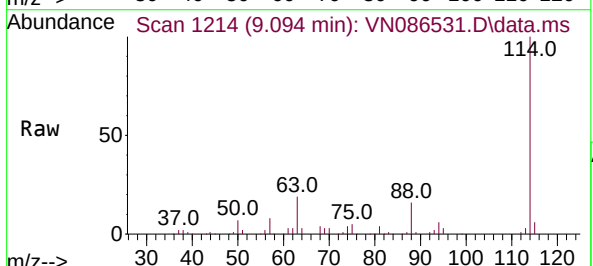
Tgt Ion: 114 Resp: 216920

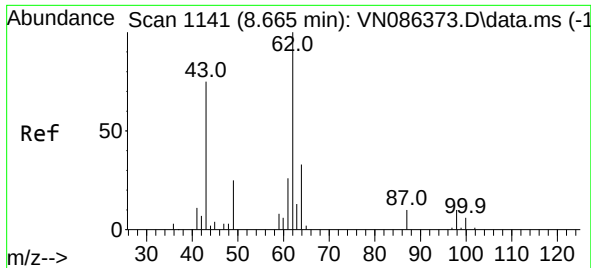
Ion Ratio Lower Upper

114 100

63 19.1 16.7 25.1

88 15.6 12.6 19.0

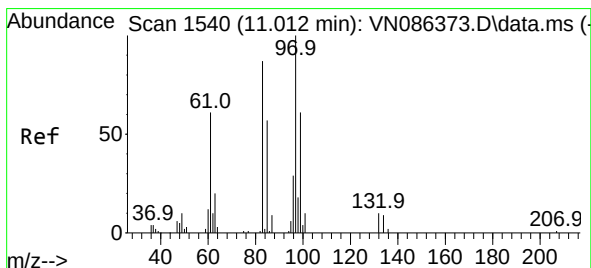
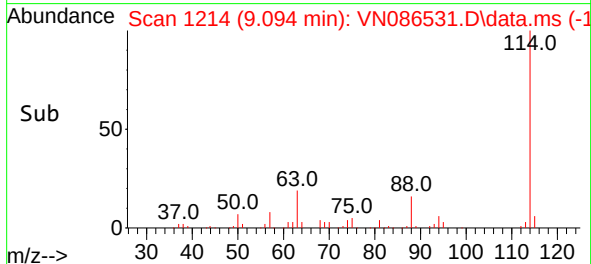
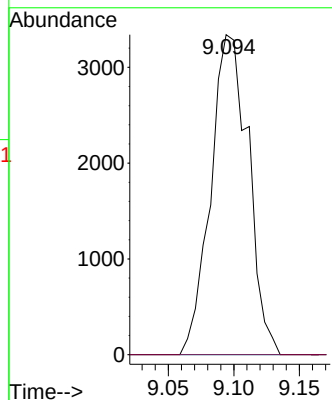
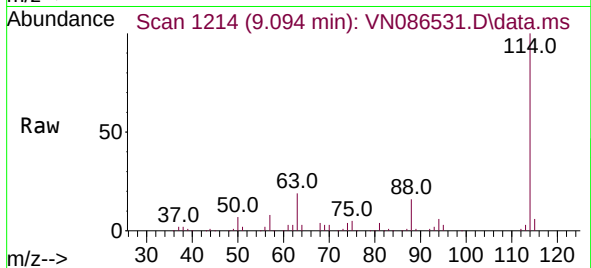




#36
1,2-Dichloroethane
Concen: 1.693 ug/l
RT: 9.094 min Scan# 1141
Delta R.T. 0.429 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

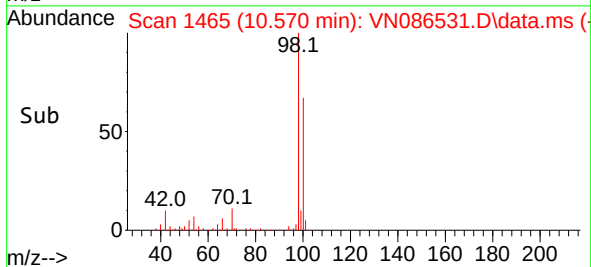
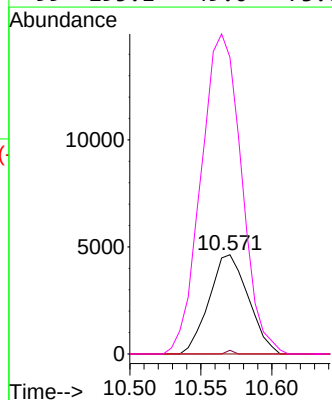
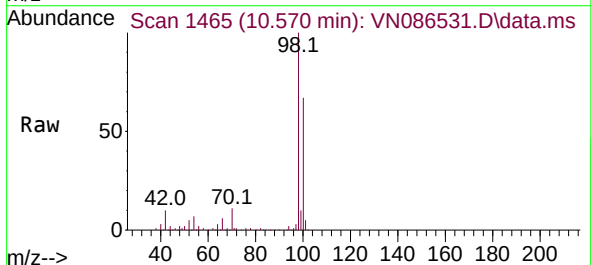
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

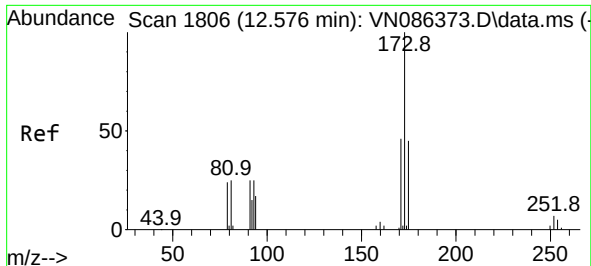
Tgt Ion: 62 Resp: 6687
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 3.169 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion: 97 Resp: 8894
Ion Ratio Lower Upper
97 100
83 3.6 69.3 103.9#
85 0.0 45.5 68.3#
99 295.1 49.0 73.6#

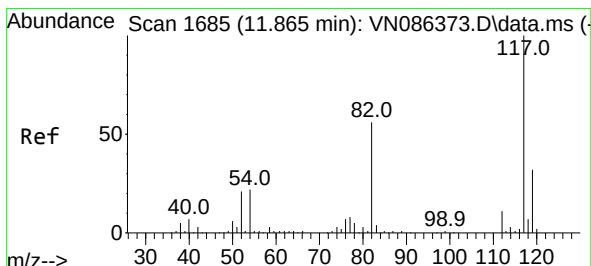
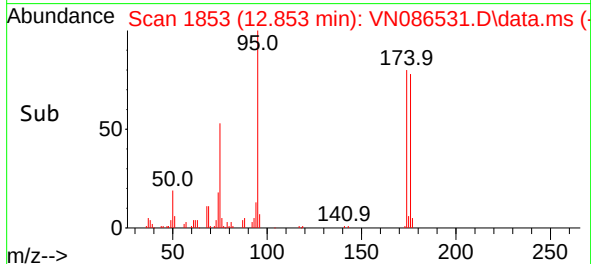
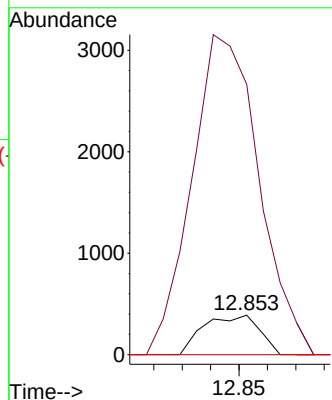
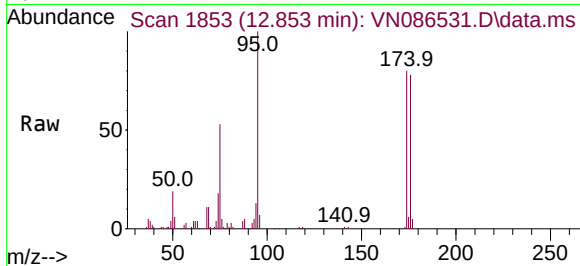




#56
Bromoform
Concen: 0.261 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.276 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

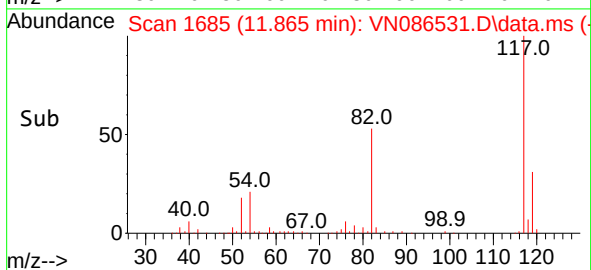
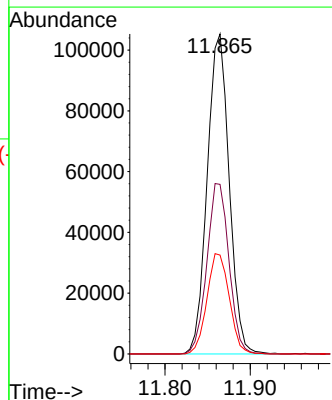
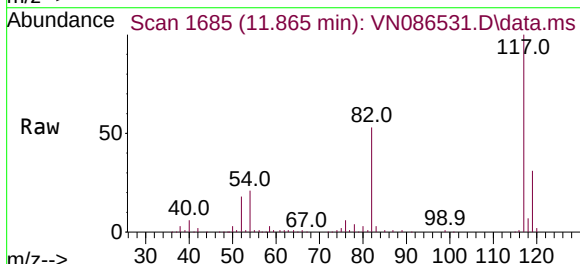
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

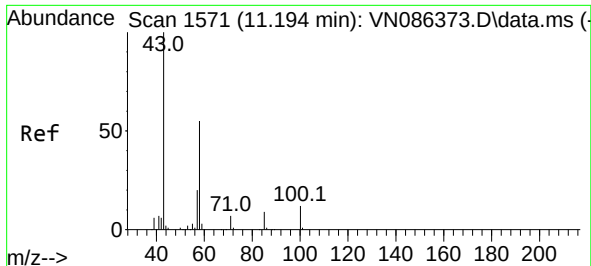
Tgt Ion:173 Resp: 533
Ion Ratio Lower Upper
173 100
175 972.4 39.0 58.6#
254 0.0 3.8 5.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion:117 Resp: 188358
Ion Ratio Lower Upper
117 100
82 53.6 45.5 68.3
119 31.9 25.9 38.9

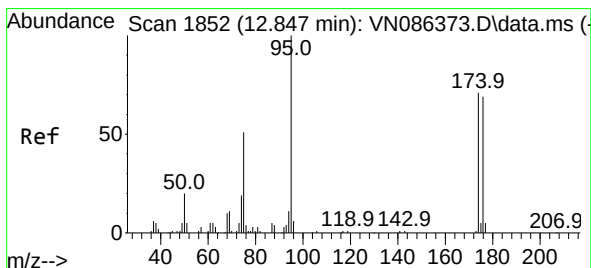
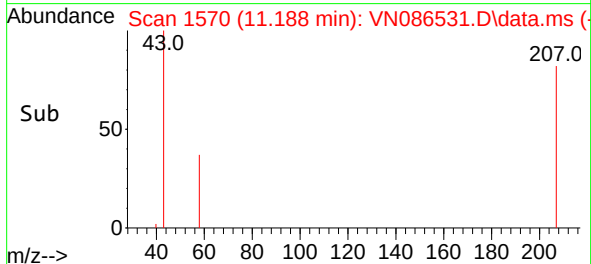
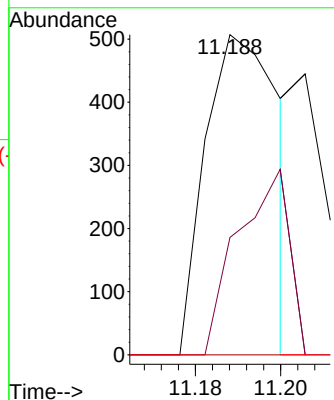
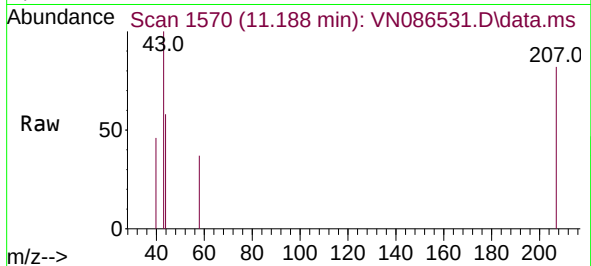




#59
2-Hexanone
Concen: 0.227 ug/l
RT: 11.188 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

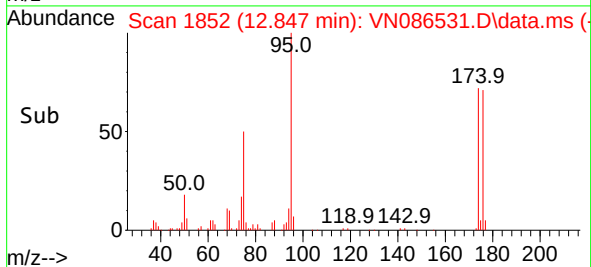
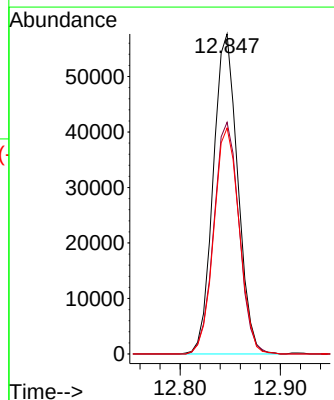
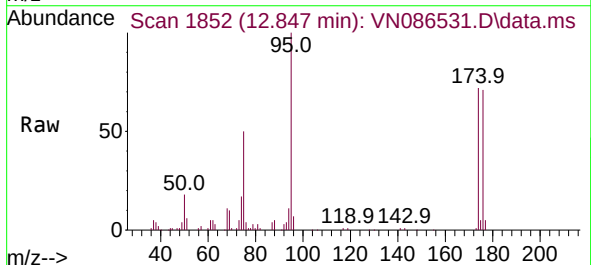
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

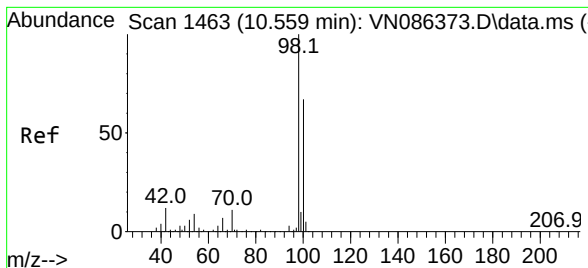
Tgt Ion: 43 Resp: 610
Ion Ratio Lower Upper
43 100
58 40.3 45.0 67.6#
57 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 26.419 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion: 95 Resp: 97805
Ion Ratio Lower Upper
95 100
174 74.5 56.6 84.8
176 73.1 53.3 79.9





#63

Toluene-d8

Concen: 29.603 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

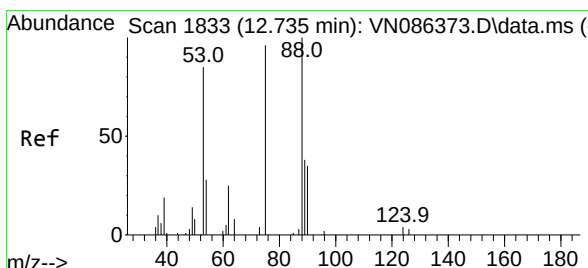
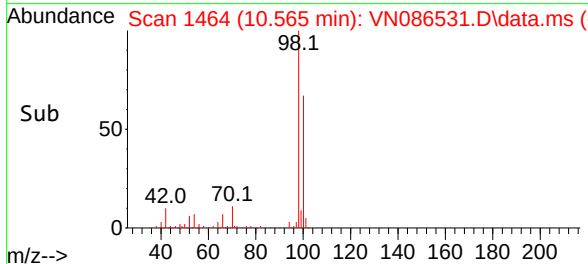
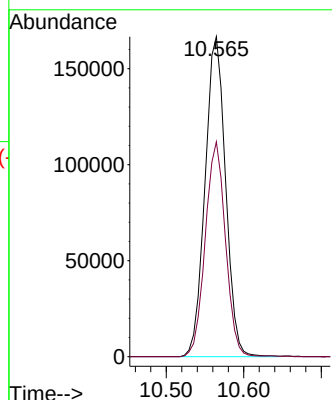
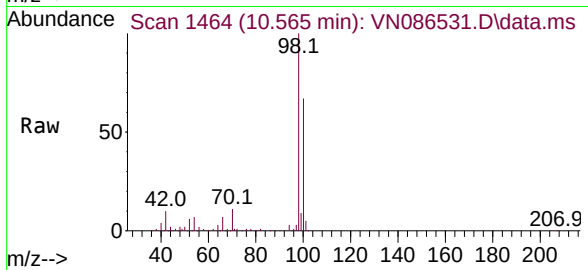
VN0507WBL01

Tgt Ion: 98 Resp: 306756

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 31.972 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

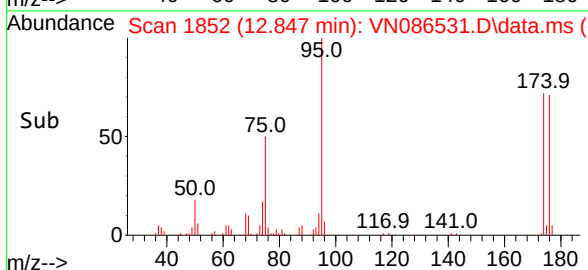
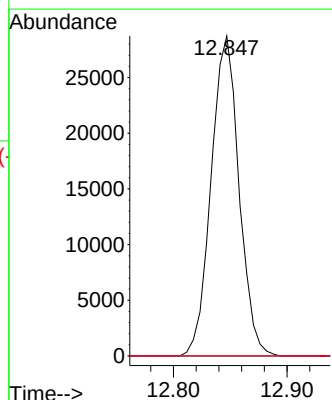
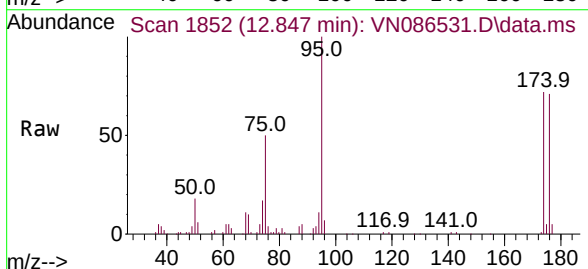
Tgt Ion: 75 Resp: 49022

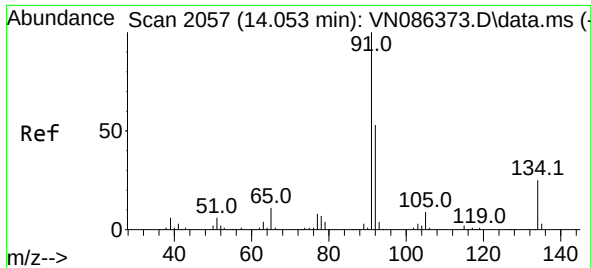
Ion Ratio Lower Upper

75 100

53 0.0 46.0 138.0#

89 0.0 21.6 64.6#

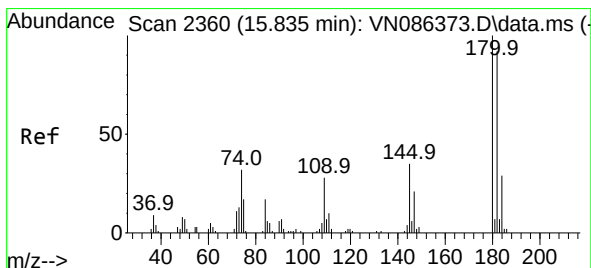
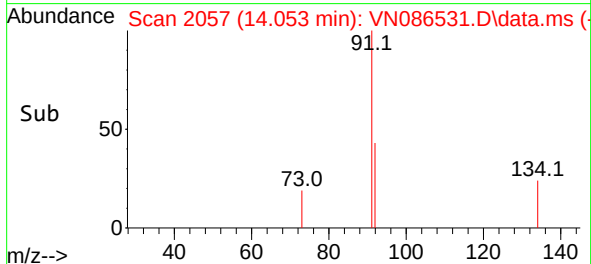
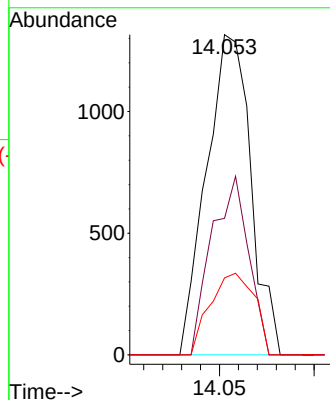
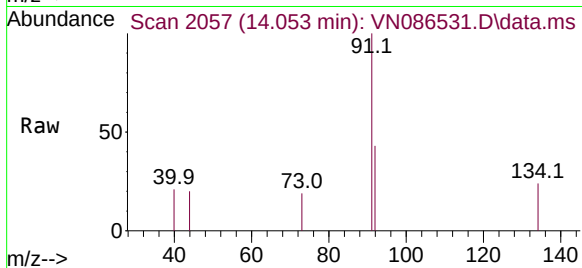




#85
n-Butylbenzene
Concen: 0.218 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

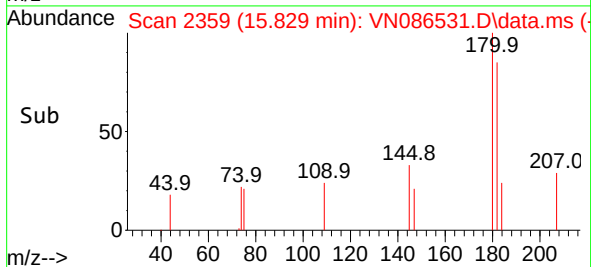
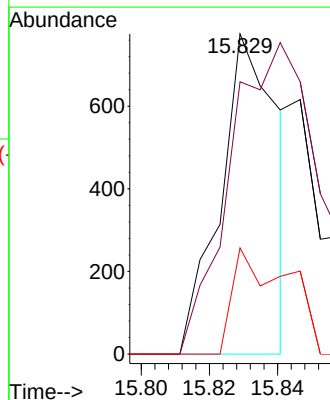
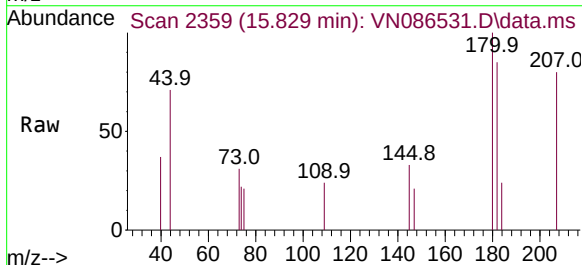
Instrument :
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ClientSampleId :
VN0507WBL01

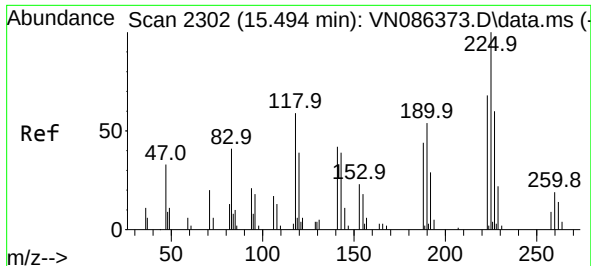
Tgt Ion: 91	Resp:	2145
Ion Ratio	Lower	Upper
91	100	
92	46.4	0.0 107.2
134	25.4	0.0 48.2



#89
1,2,4-Trichlorobenzene
Concen: 0.364 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

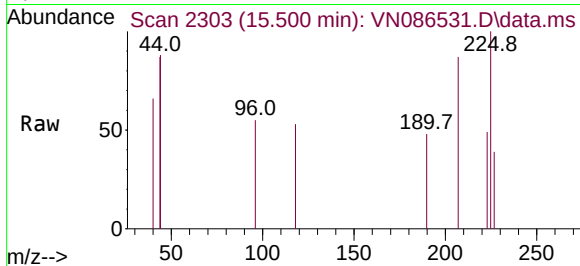
Tgt Ion: 180	Resp:	903
Ion Ratio	Lower	Upper
180	100	
182	0.0	74.8 112.2#
145	16.5	26.9 40.3#



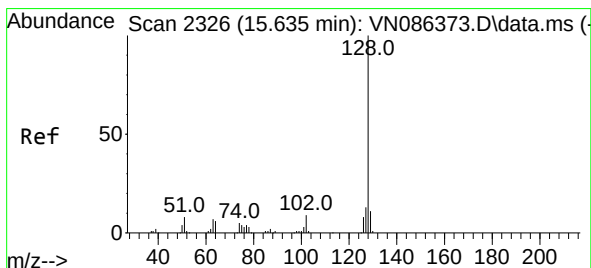
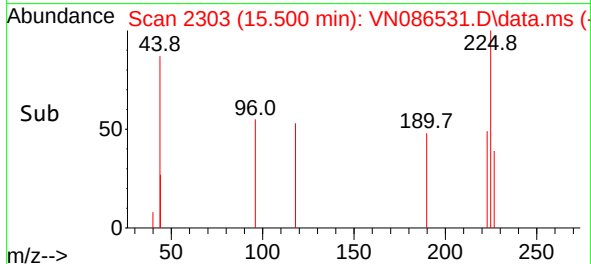
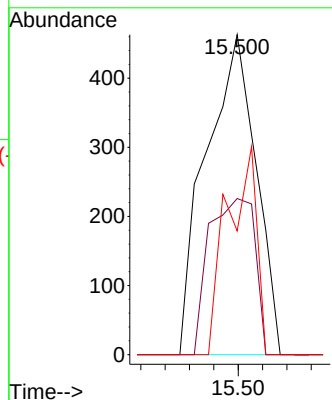


#90
Hexachlorobutadiene
Concen: 0.660 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

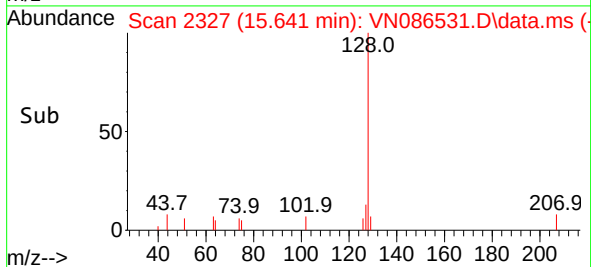
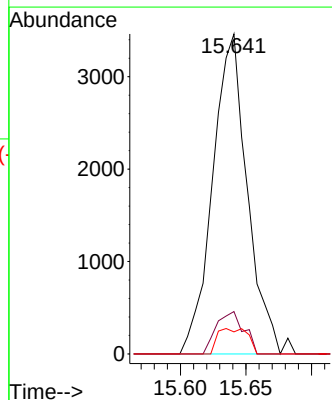
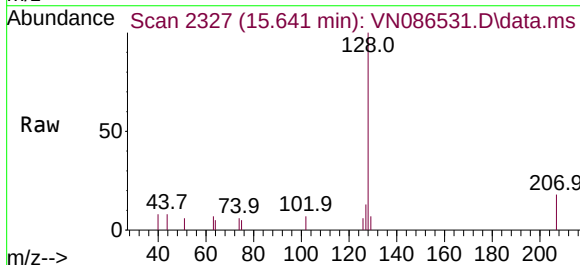


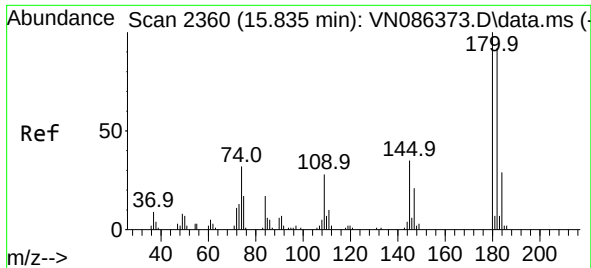
Tgt Ion	Ratio	Lower	Upper
225	100		
223	44.8	0.0	128.8
227	38.1	0.0	120.2



#91
Naphthalene
Concen: 0.713 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.6	15.8
129	4.2	8.7	13.1





#92

1,2,3-Trichlorobenzene

Concen: 0.394 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.447 min

Lab File: VN086531.D

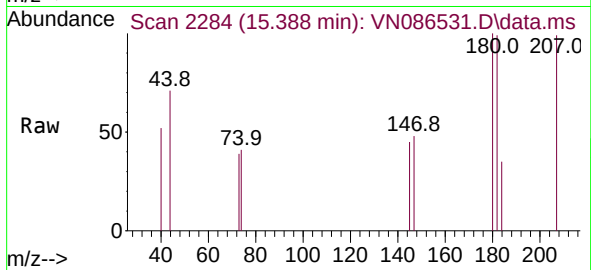
Acq: 07 May 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBL01



Tgt Ion:180 Resp: 977

Ion Ratio Lower Upper

180 100

182 125.0 0.0 187.0

145 25.5 0.0 67.2

