

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088522.D
 Acq On : 16 Dec 2025 13:04
 Operator : JC\MD
 Sample : PB170929TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170929TB

Quant Time: Dec 17 01:39:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	264828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	599101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	614763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	267582	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	292011	58.533	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.060%	
35) Dibromofluoromethane	8.147	113	223537	53.842	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.680%	
50) Toluene-d8	10.541	98	823162	53.287	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.580%	
62) 4-Bromofluorobenzene	12.823	95	294842	55.626	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 111.260%	

Target Compounds				Qvalue		
5) Bromomethane	3.006	94	1121	0.536	ug/l #	75
10) Methyl Iodide	4.595	142	1060	0.329	ug/l #	82
11) Tert butyl alcohol	5.518	59	5847	7.341	ug/l #	91
13) Acrolein	4.177	56	546	0.716	ug/l #	31
15) Acrylonitrile	5.712	53	1207	0.525	ug/l #	67
16) Acetone	4.430	43	141370	78.355	ug/l	92
17) Carbon Disulfide	4.712	76	3883	0.368	ug/l #	76
18) Methyl Acetate	5.036	43	9445	1.759	ug/l	95
20) Methylene Chloride	5.271	84	185885	48.155	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	1282	0.358	ug/l #	26
25) 2-Butanone	7.471	43	34460	11.881	ug/l	96
29) Tetrahydrofuran	7.824	42	1747	0.840	ug/l #	65
31) Cyclohexane	8.194	56	7732	1.178	ug/l #	18
36) 1,1-Dichloropropene	8.200	75	25844	4.033	ug/l #	53
37) Ethyl Acetate	7.471	43	34460	4.090	ug/l #	76
38) Carbon Tetrachloride	8.200	117	30966	4.855	ug/l #	18
43) Isopropyl Acetate	8.671	43	37609	2.922	ug/l	95
48) Methyl methacrylate	9.718	41	179202	30.511	ug/l #	45
49) 1,4-Dioxane	9.671	88	1441	19.292	ug/l #	11
51) 4-Methyl-2-Pentanone	10.424	43	20050	2.643	ug/l #	85
54) cis-1,3-Dichloropropene	10.335	75	61123	8.071	ug/l #	61
58) 2-Chloroethyl Vinyl ether	10.147	63	1204	0.315	ug/l #	58
59) 2-Hexanone	11.182	43	100881	21.106	ug/l #	57
68) m/p-Xylenes	12.047	106	1995	0.223	ug/l	95
76) 1,2,3-Trichloropropane	12.823	75	163303	26.057	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	163303	73.921	ug/l #	1
82) 4-Chlorotoluene	13.206	91	3444	0.235	ug/l	93
85) sec-Butylbenzene	13.588	105	4319	0.216	ug/l	95
86) p-Isopropyltoluene	13.706	119	3600	0.219	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	2757	0.313	ug/l	91
88) 1,4-Dichlorobenzene	13.712	146	2757	0.299	ug/l	91
89) n-Butylbenzene	14.035	91	5127	0.322	ug/l	95
90) Hexachloroethane	14.312	117	633	0.211	ug/l	83
91) 1,2-Dichlorobenzene	14.088	146	1845	0.222	ug/l	91
93) 1,2,4-Trichlorobenzene	15.376	180	3150	0.639	ug/l #	88
94) Hexachlorobutadiene	15.464	225	1486	0.839	ug/l	87

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QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

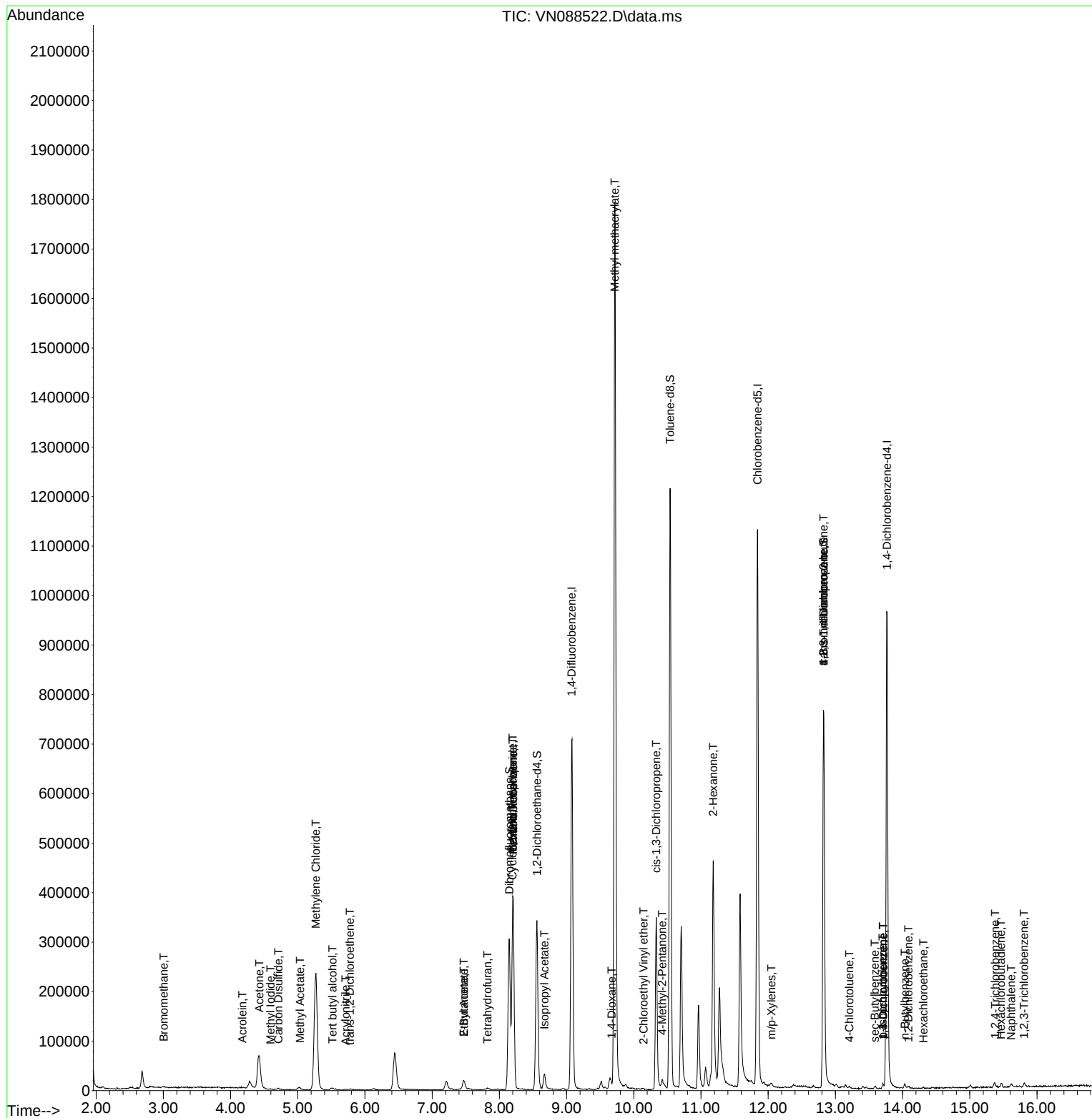
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.617	128	6497	0.381	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.806	180	2735	0.570	ug/l	88

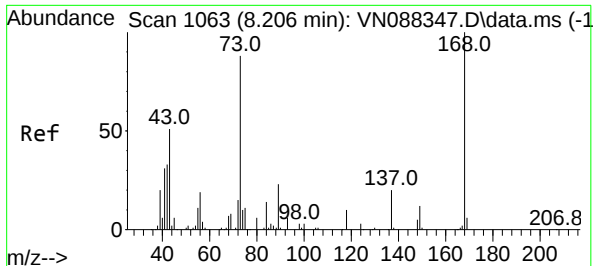
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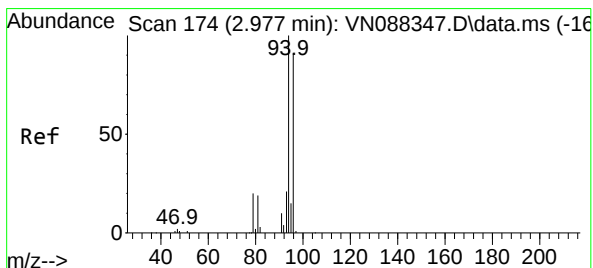
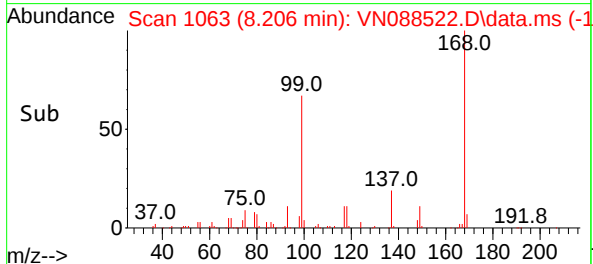
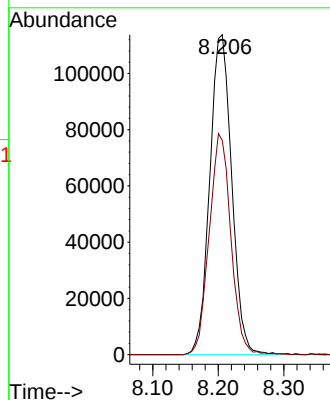
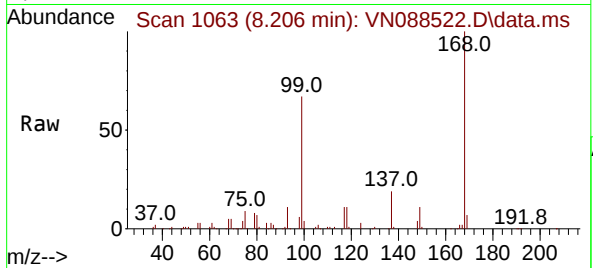




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

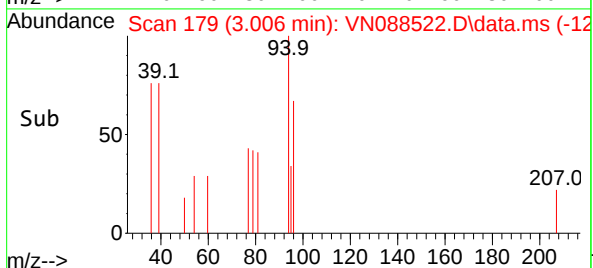
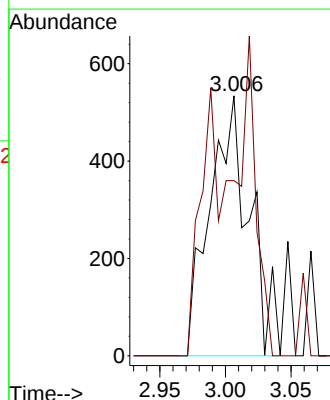
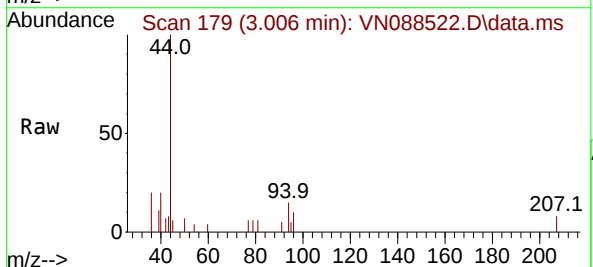
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

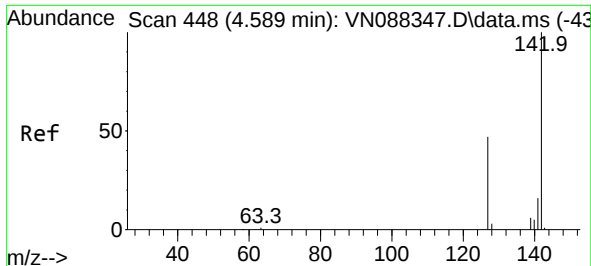
Tgt Ion:168 Resp: 264828
Ion Ratio Lower Upper
168 100
99 66.9 57.1 85.7



#5
Bromomethane
Concen: 0.536 ug/l
RT: 3.006 min Scan# 179
Delta R.T. 0.030 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

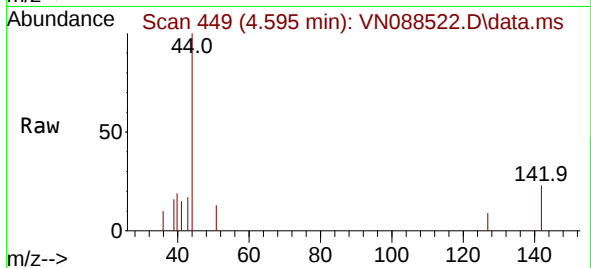
Tgt Ion: 94 Resp: 1121
Ion Ratio Lower Upper
94 100
96 67.4 73.2 109.8#



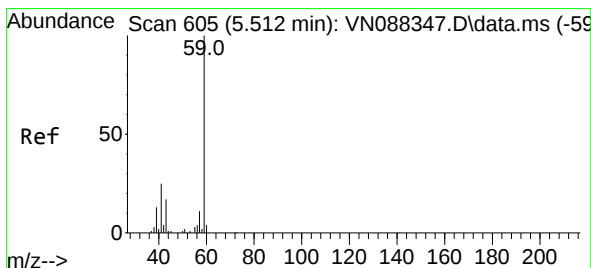
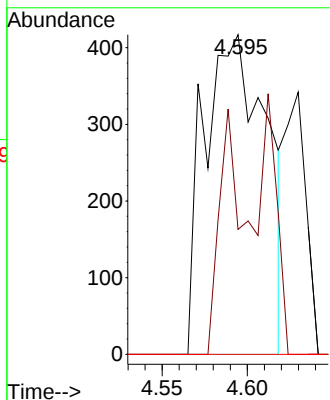
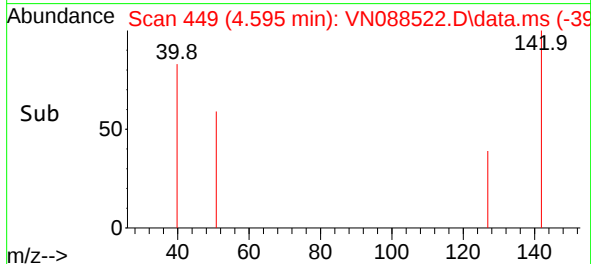


#10
Methyl Iodide
Concen: 0.329 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

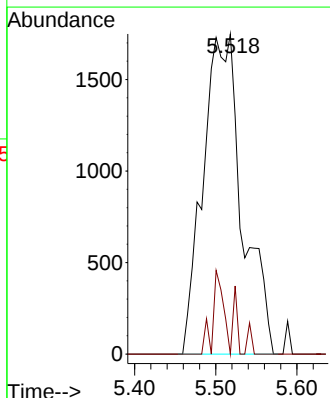
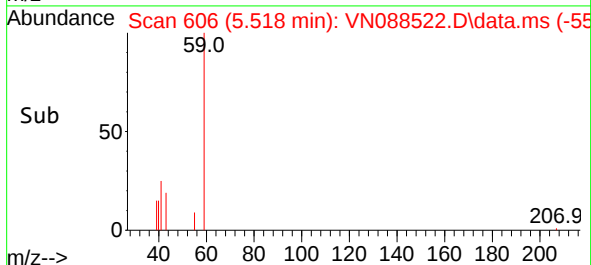
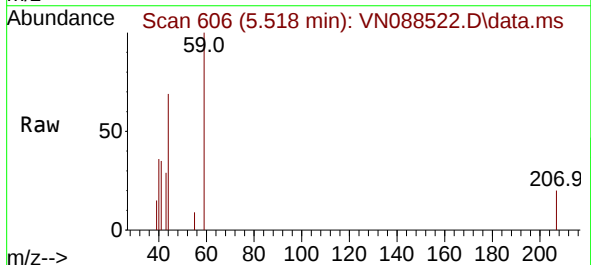


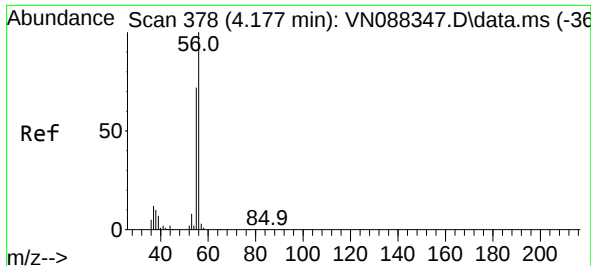
Tgt Ion:142 Resp: 1060
Ion Ratio Lower Upper
142 100
127 39.1 37.9 56.9
141 0.0 12.4 18.6#



#11
Tert butyl alcohol
Concen: 7.341 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 59 Resp: 5847
Ion Ratio Lower Upper
59 100
57 7.2 8.5 12.7#

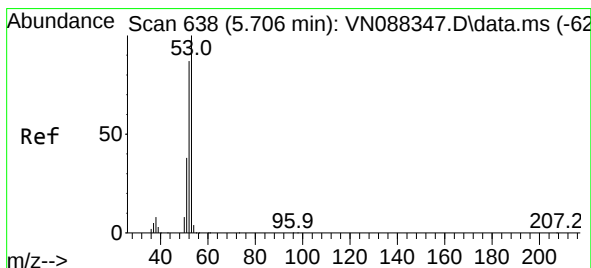
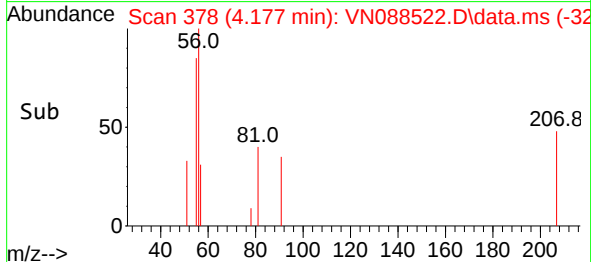
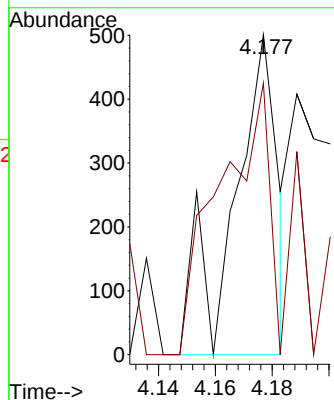
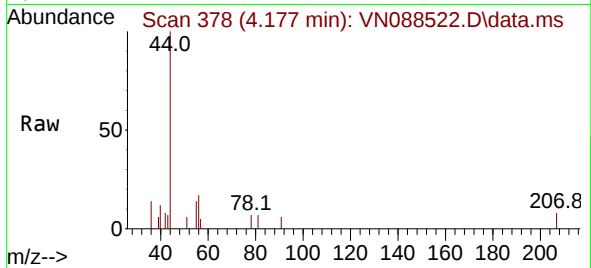




#13
Acrolein
Concen: 0.716 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

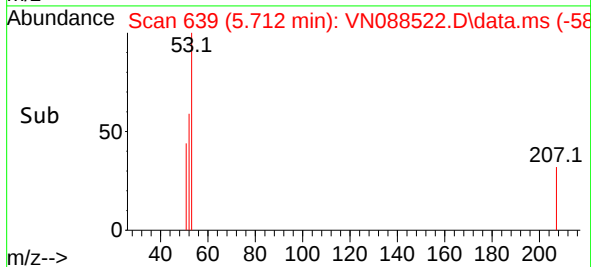
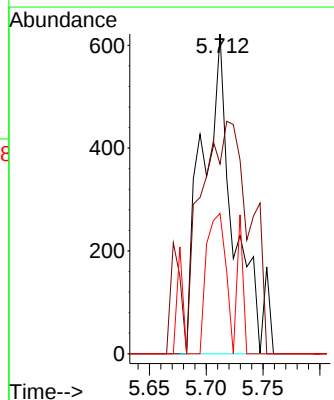
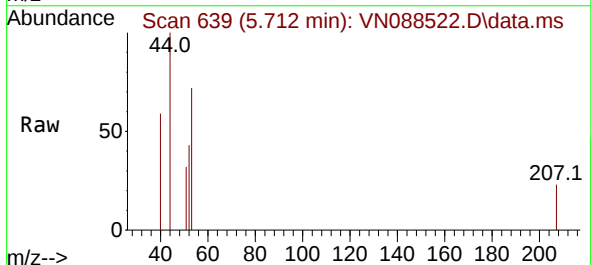
Instrument :
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ClientSampleId :
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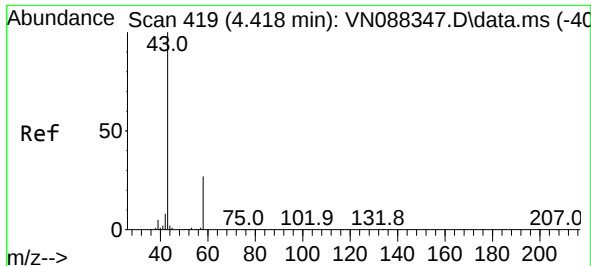
Tgt Ion: 56 Resp: 546
Ion Ratio Lower Upper
56 100
55 127.1 56.3 84.5#



#15
Acrylonitrile
Concen: 0.525 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 53 Resp: 1207
Ion Ratio Lower Upper
53 100
52 121.2 67.8 101.6#
51 26.4 29.8 44.8#

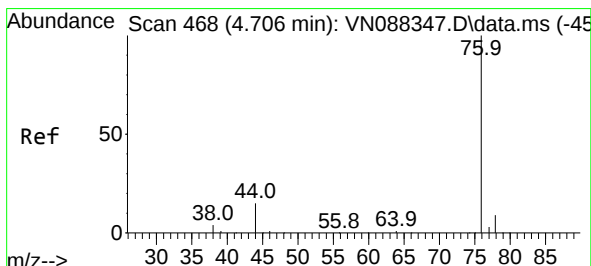
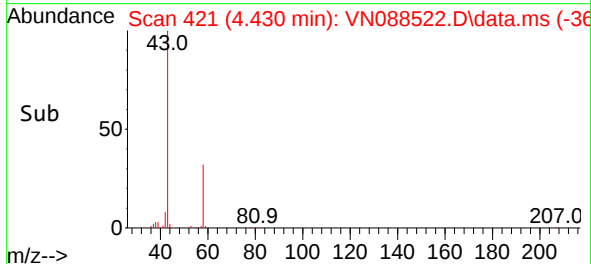
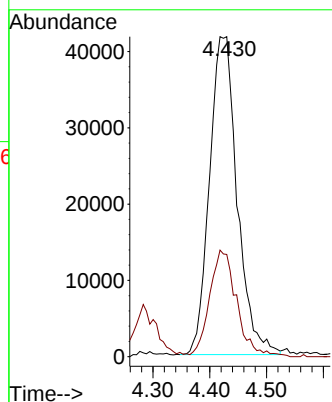
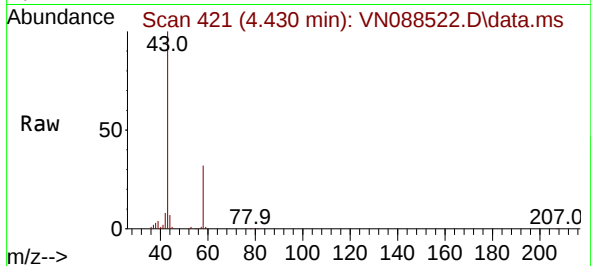




#16
Acetone
Concen: 78.355 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

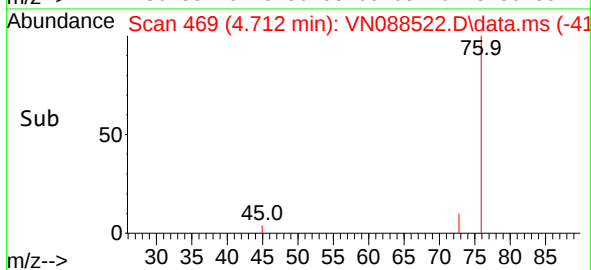
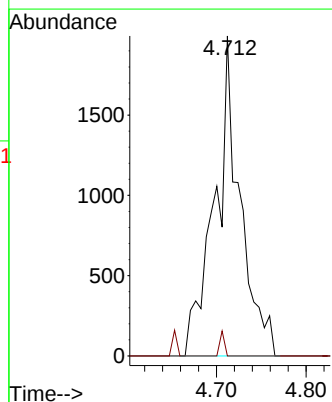
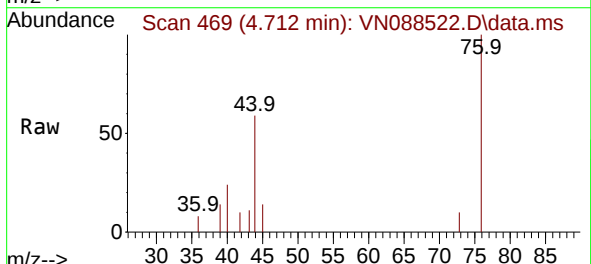
Instrument :
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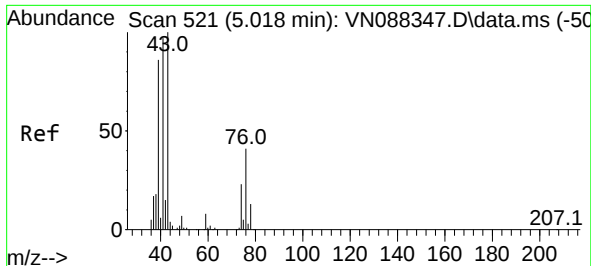
Tgt Ion: 43 Resp: 141370
Ion Ratio Lower Upper
43 100
58 31.5 21.7 32.5



#17
Carbon Disulfide
Concen: 0.368 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

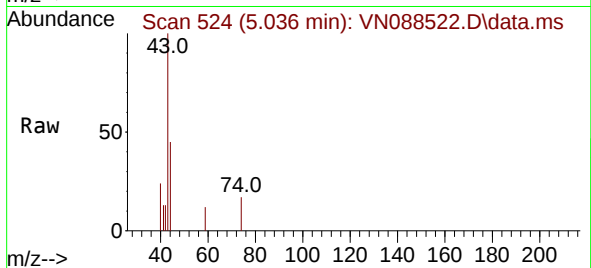
Tgt Ion: 76 Resp: 3883
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



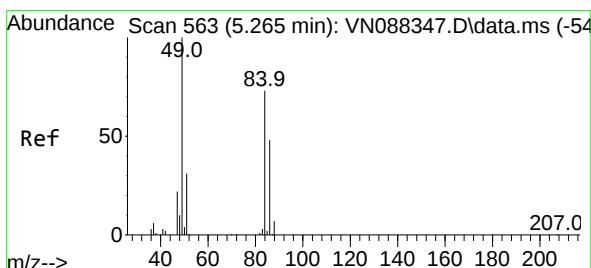
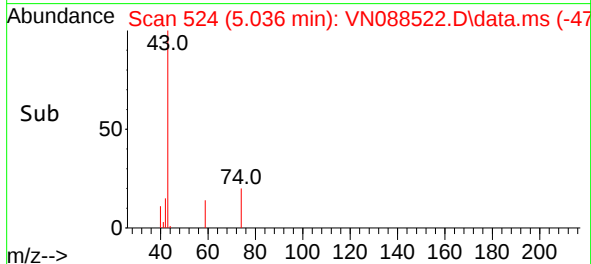
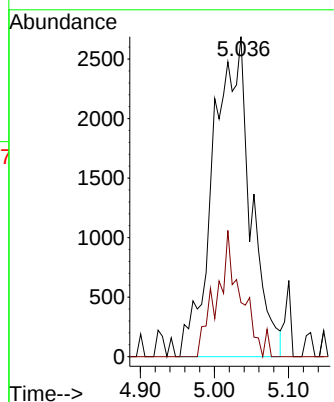


#18
Methyl Acetate
Concen: 1.759 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

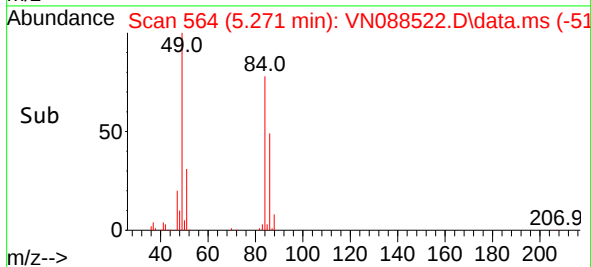
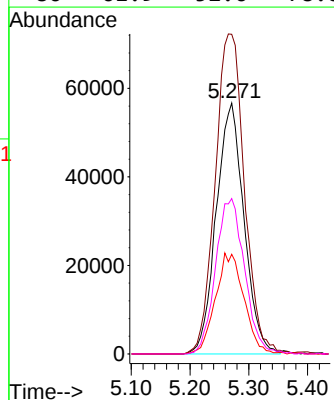
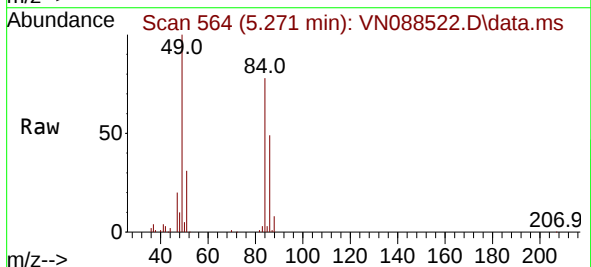


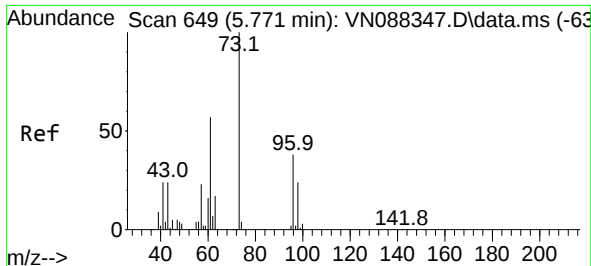
Tgt Ion: 43 Resp: 9445
Ion Ratio Lower Upper
43 100
74 24.6 17.9 26.9



#20
Methylene Chloride
Concen: 48.155 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 84 Resp: 185885
Ion Ratio Lower Upper
84 100
49 127.4 110.2 165.2
51 39.7 34.1 51.1
86 61.9 52.6 78.8

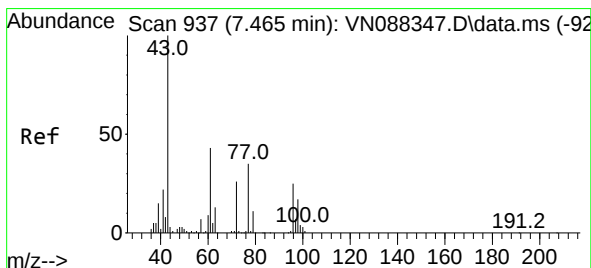
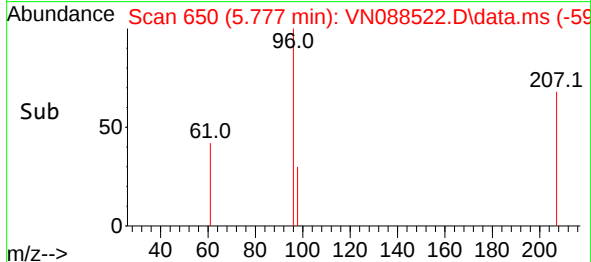
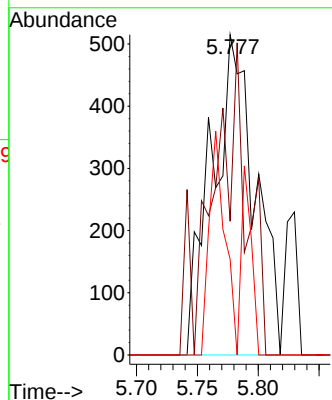
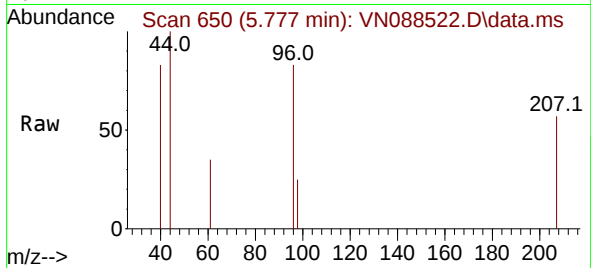




#21
trans-1,2-Dichloroethene
Concen: 0.358 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

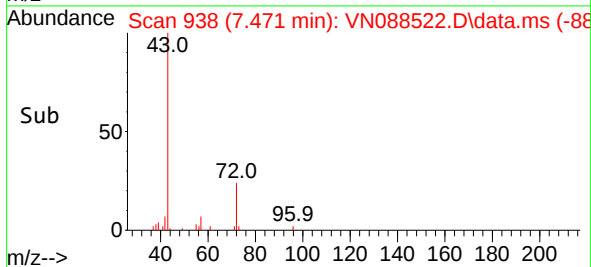
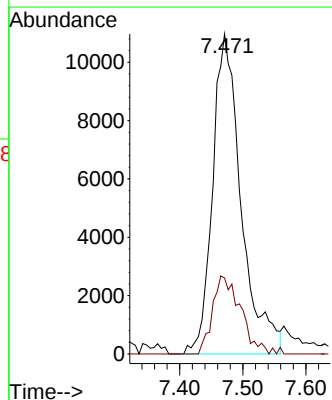
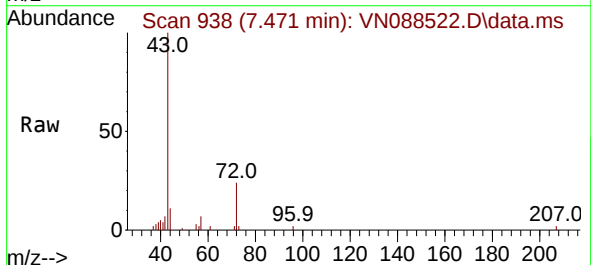
Instrument :
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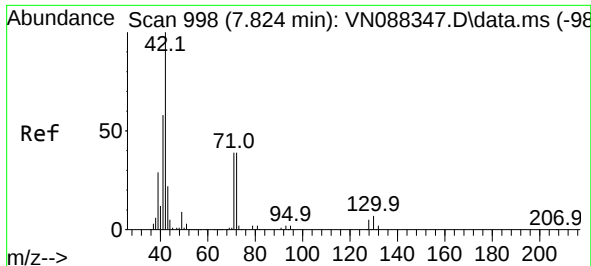
Tgt Ion: 96 Resp: 1282
Ion Ratio Lower Upper
96 100
61 41.7 122.4 183.6#
98 29.9 50.9 76.3#



#25
2-Butanone
Concen: 11.881 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

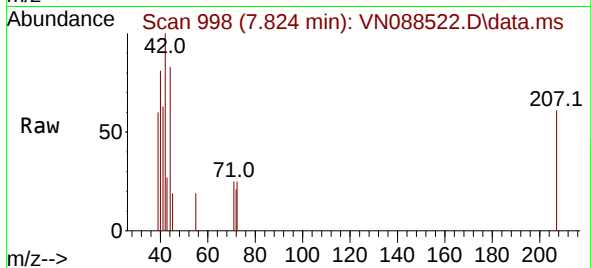
Tgt Ion: 43 Resp: 34460
Ion Ratio Lower Upper
43 100
72 23.7 20.5 30.7





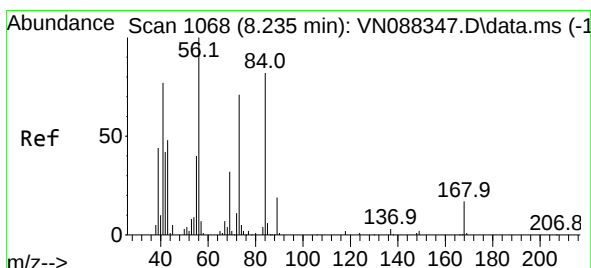
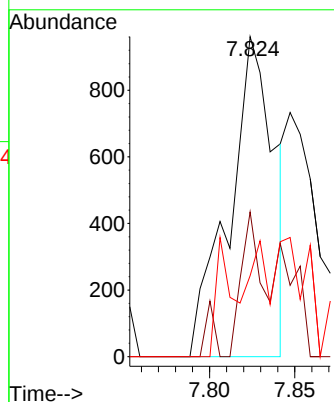
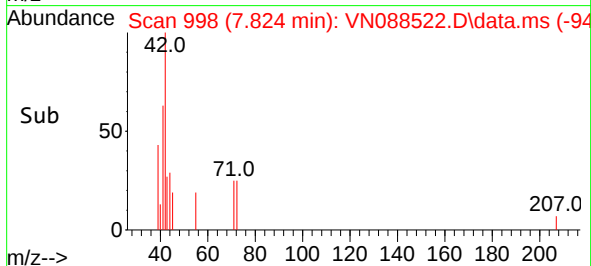
#29
Tetrahydrofuran
Concen: 0.840 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

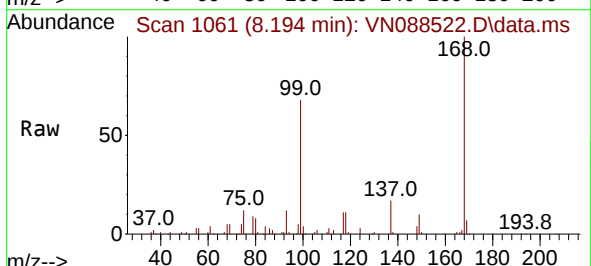


Tgt Ion: 42 Resp: 1747

Ion	Ratio	Lower	Upper
42	100		
72	21.3	32.2	48.4#
71	15.1	31.1	46.7#

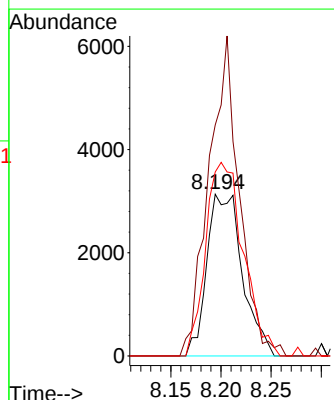
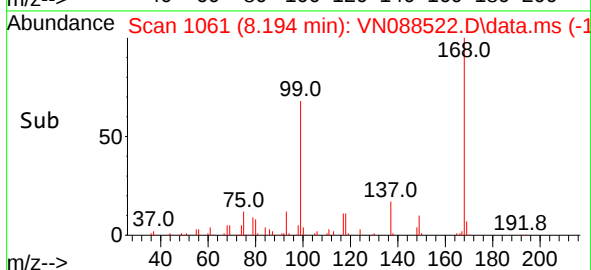


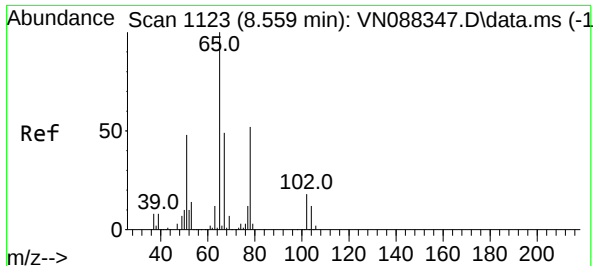
#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.041 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04



Tgt Ion: 56 Resp: 7732

Ion	Ratio	Lower	Upper
56	100		
69	142.8	25.3	37.9#
84	113.7	65.4	98.2#





#33

1,2-Dichloroethane-d4

Concen: 58.533 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

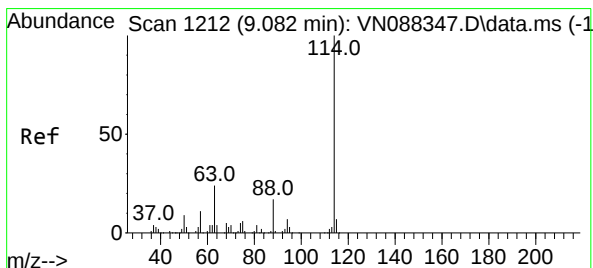
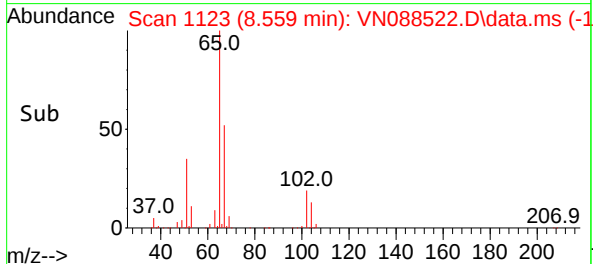
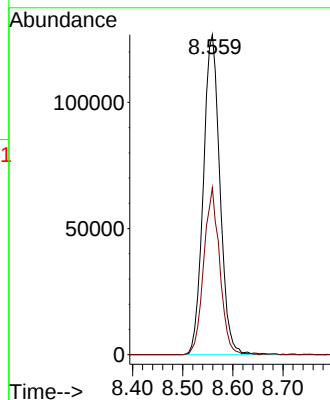
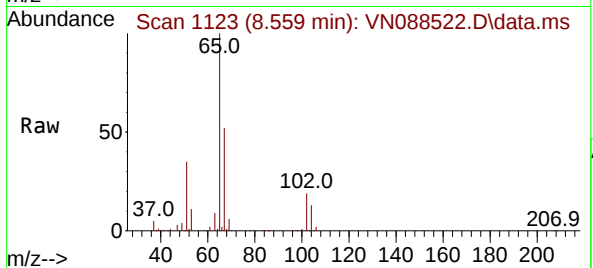
PB170929TB

Tgt Ion: 65 Resp: 292011

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

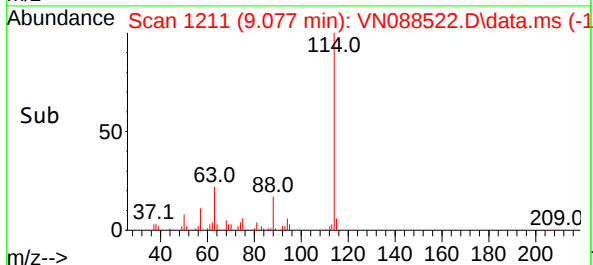
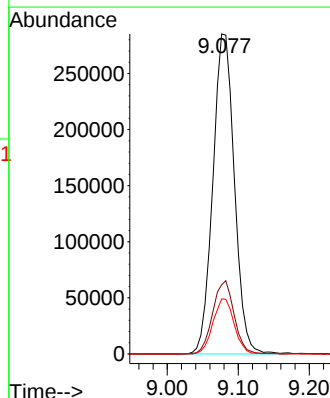
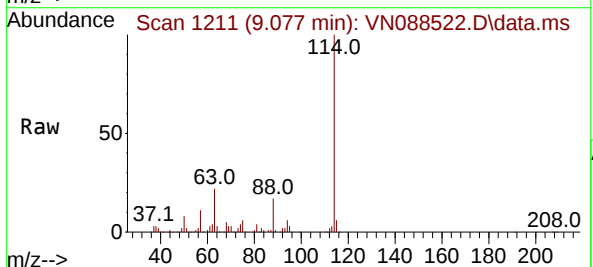
Tgt Ion: 114 Resp: 599101

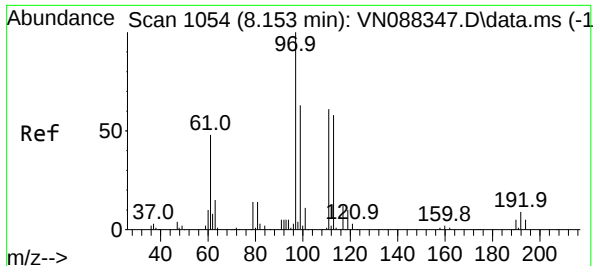
Ion Ratio Lower Upper

114 100

63 21.6 0.0 49.0

88 17.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 53.842 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

PB170929TB

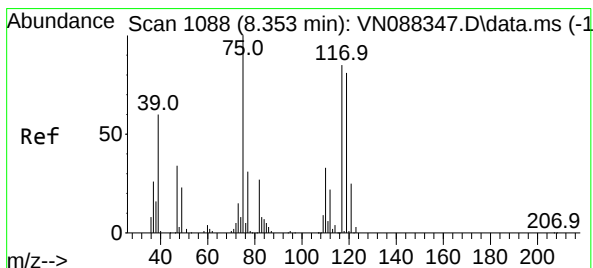
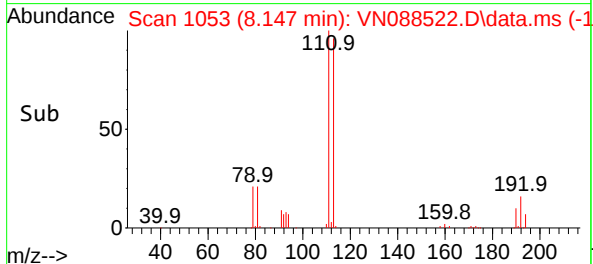
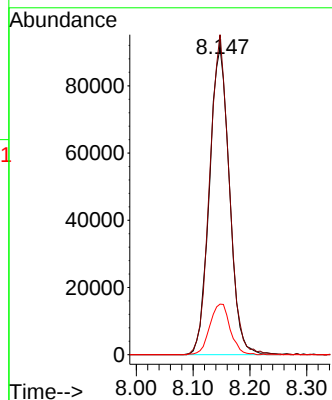
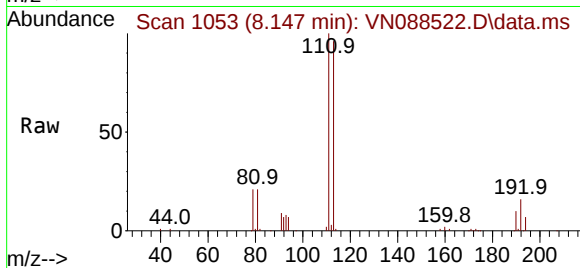
Tgt Ion:113 Resp: 223537

Ion Ratio Lower Upper

113 100

111 101.3 82.5 123.7

192 16.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.033 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

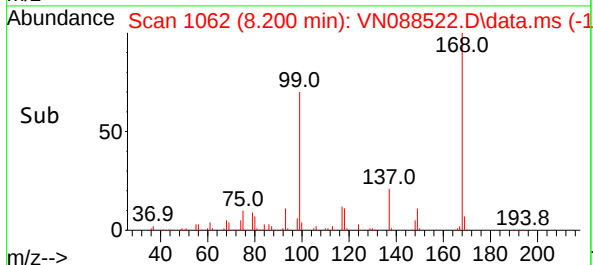
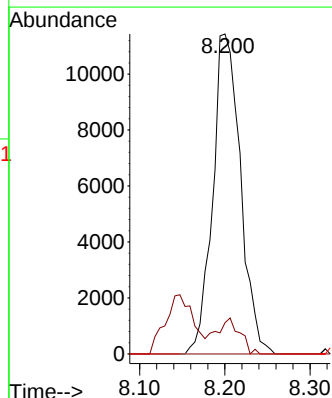
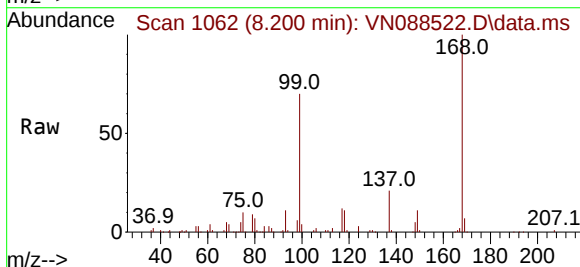
Tgt Ion: 75 Resp: 25844

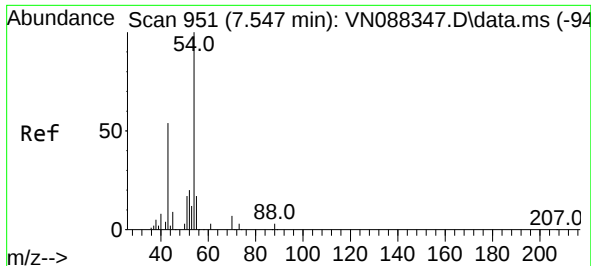
Ion Ratio Lower Upper

75 100

110 9.7 15.8 47.4#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 4.090 ug/l

RT: 7.471 min Scan# 91

Delta R.T. -0.076 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

PB170929TB

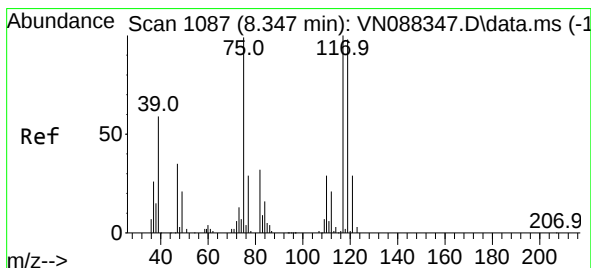
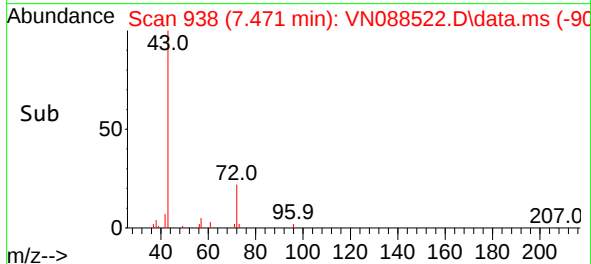
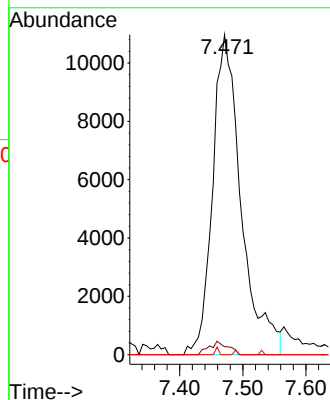
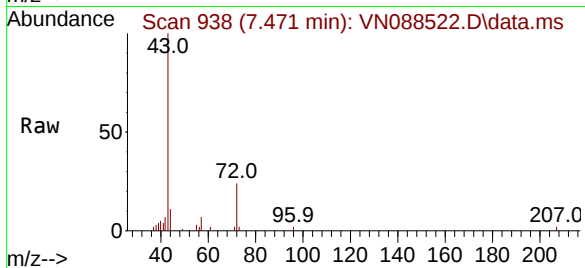
Tgt Ion: 43 Resp: 34460

Ion Ratio Lower Upper

43 100

61 2.8 9.5 14.3#

70 0.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.855 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.147 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

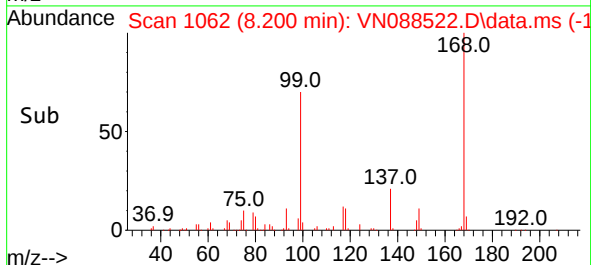
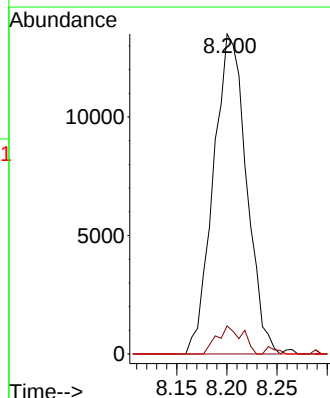
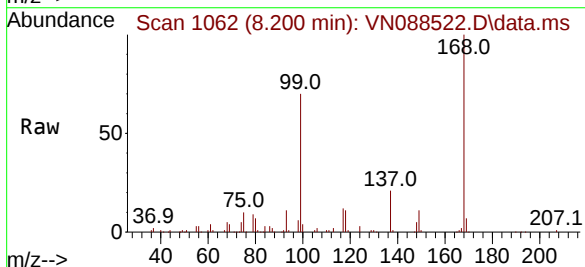
Tgt Ion: 117 Resp: 30966

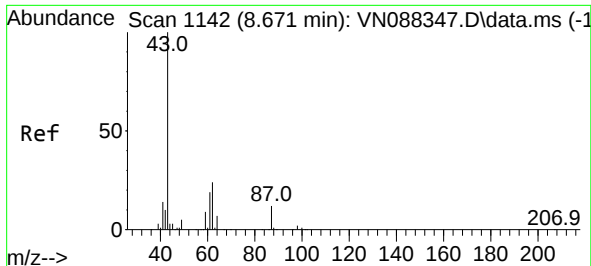
Ion Ratio Lower Upper

117 100

119 8.7 78.2 117.4#

121 0.0 23.4 35.2#

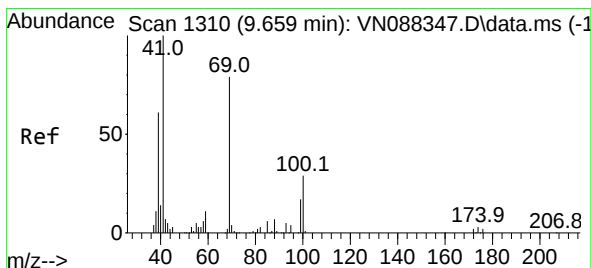
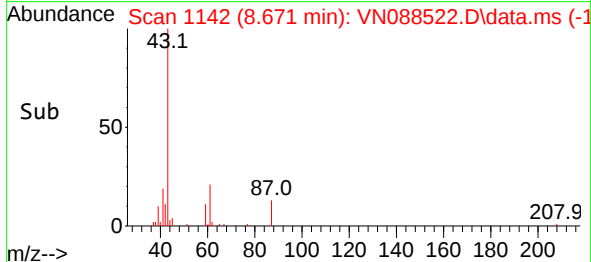
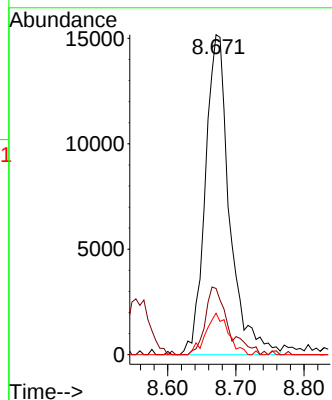
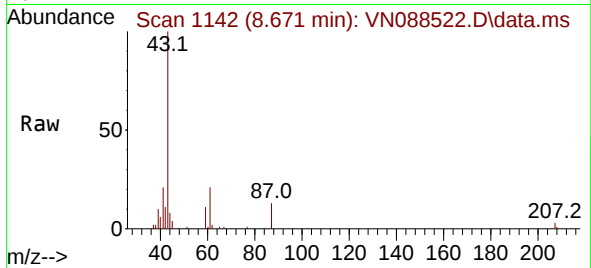




#43
Isopropyl Acetate
Concen: 2.922 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

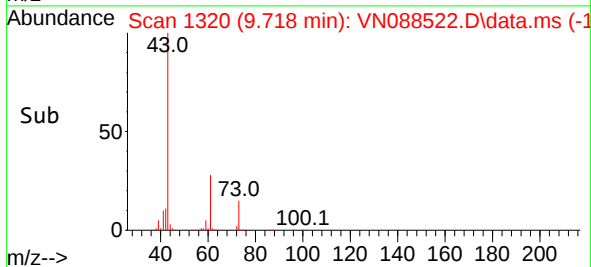
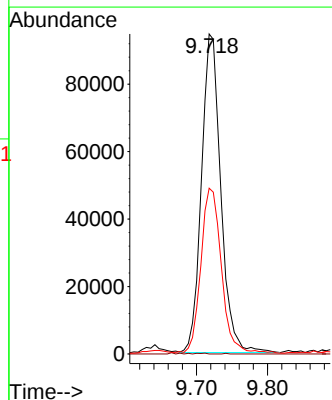
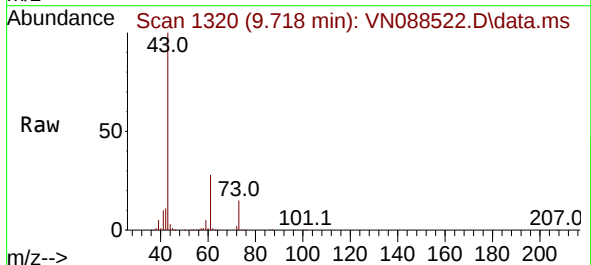
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

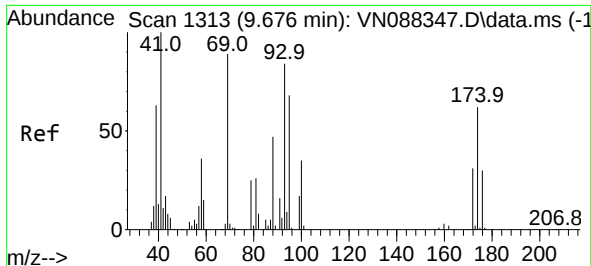
Tgt Ion: 43 Resp: 37609
Ion Ratio Lower Upper
43 100
61 20.1 18.7 28.1
87 11.9 9.1 13.7



#48
Methyl methacrylate
Concen: 30.511 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.059 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 41 Resp: 179202
Ion Ratio Lower Upper
41 100
69 0.1 62.4 93.6#
39 54.8 52.6 79.0

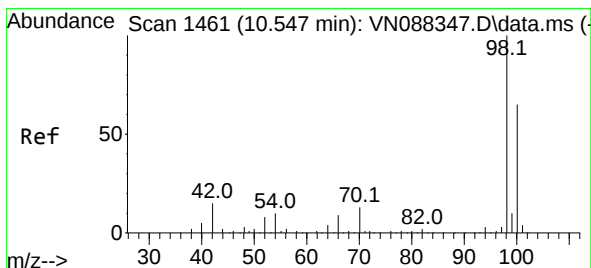
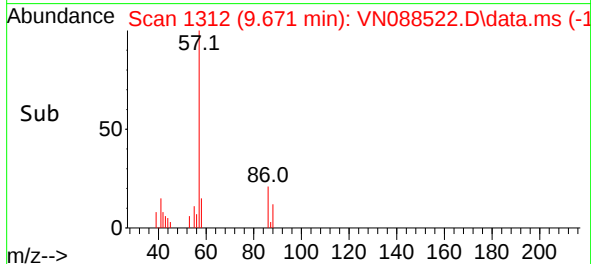
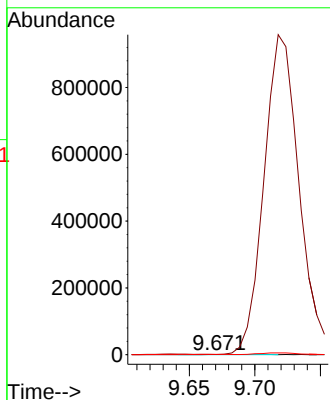
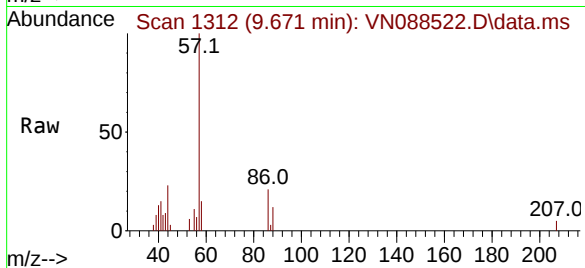




#49
1,4-Dioxane
Concen: 19.292 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

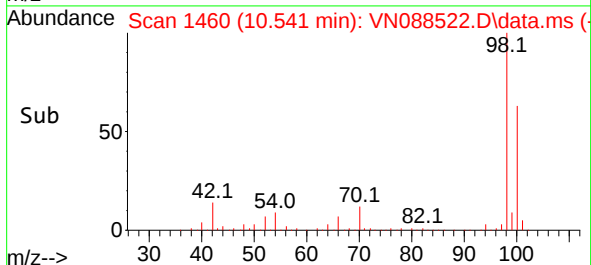
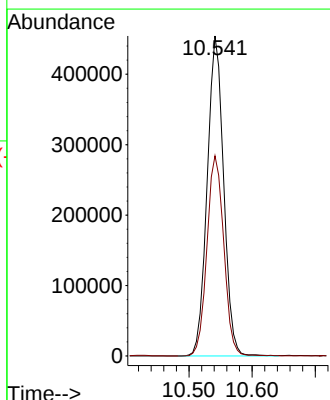
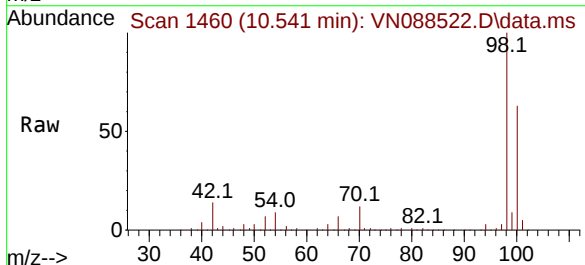
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

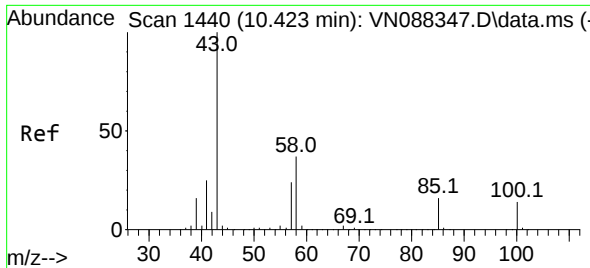
Tgt Ion: 88 Resp: 1441
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 62.0 93.0#



#50
Toluene-d8
Concen: 53.287 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 98 Resp: 823162
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2

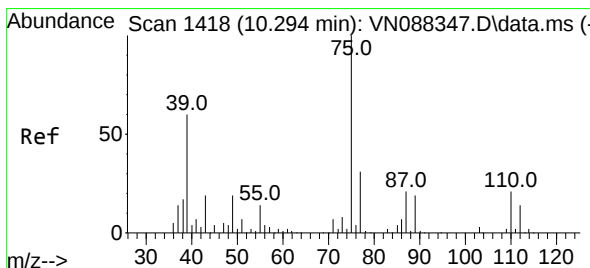
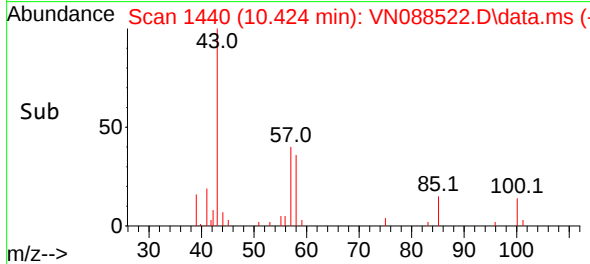
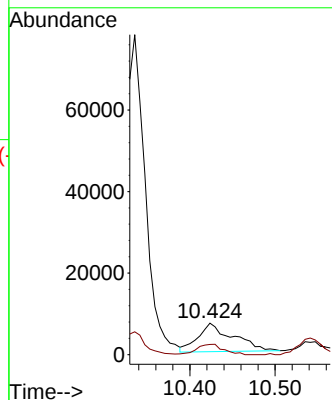
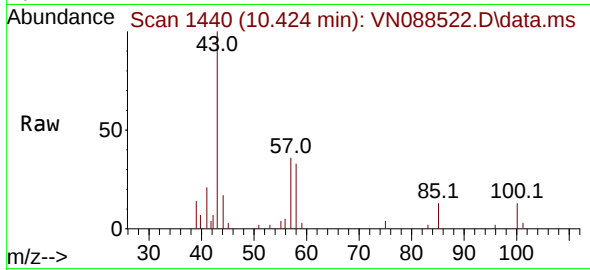




#51
4-Methyl-2-Pentanone
Concen: 2.643 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

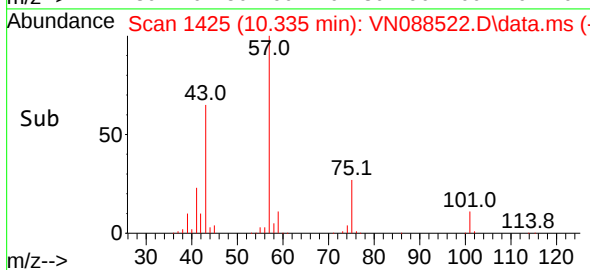
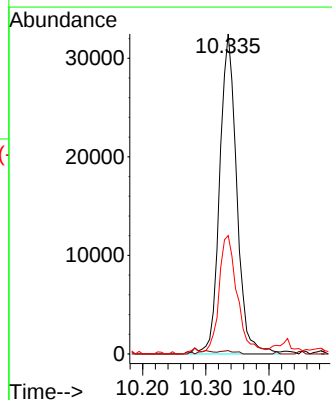
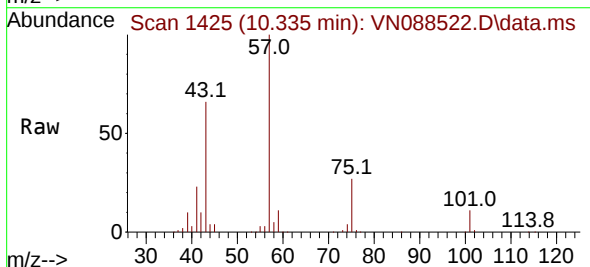
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

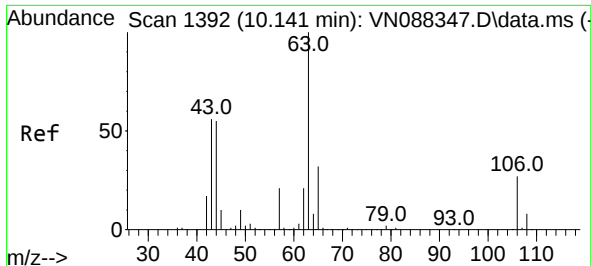
Tgt Ion: 43 Resp: 20050
Ion Ratio Lower Upper
43 100
58 27.5 29.1 43.7#



#54
cis-1,3-Dichloropropene
Concen: 8.071 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.041 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 75 Resp: 61123
Ion Ratio Lower Upper
75 100
77 1.0 24.5 36.7#
39 36.0 48.3 72.5#

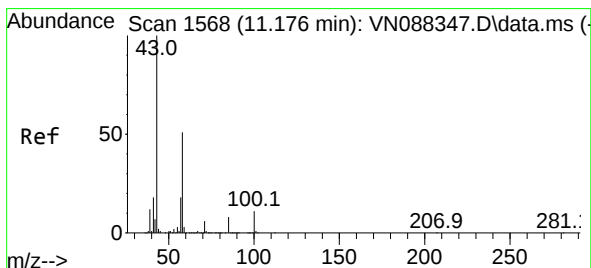
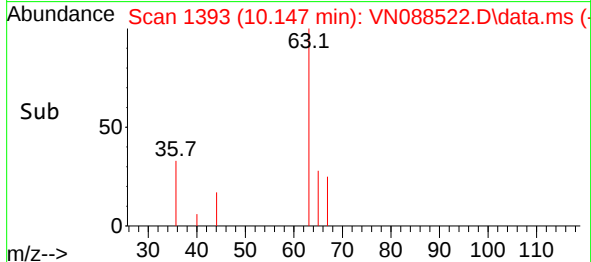
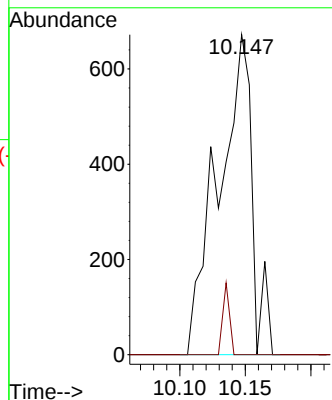
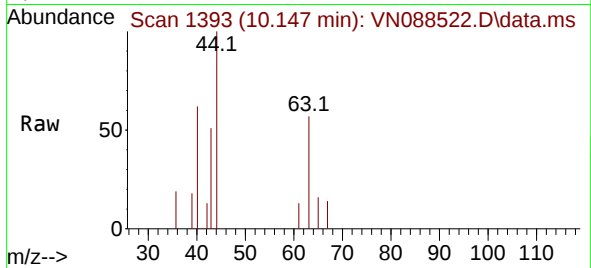




#58
2-Chloroethyl Vinyl ether
Concen: 0.315 ug/l
RT: 10.147 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

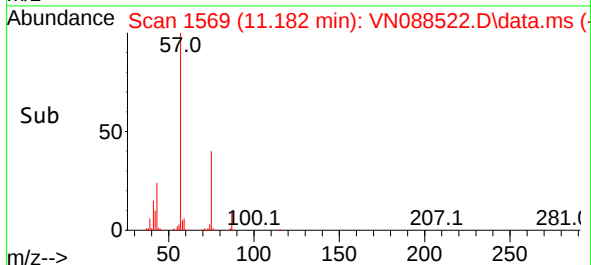
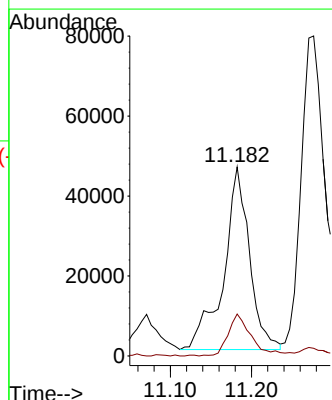
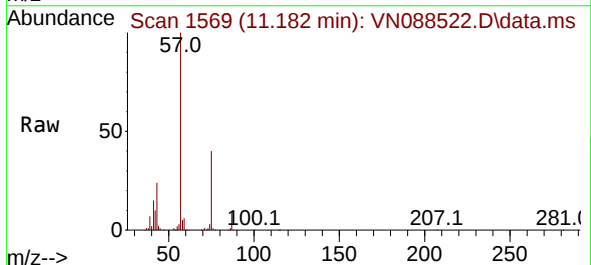
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

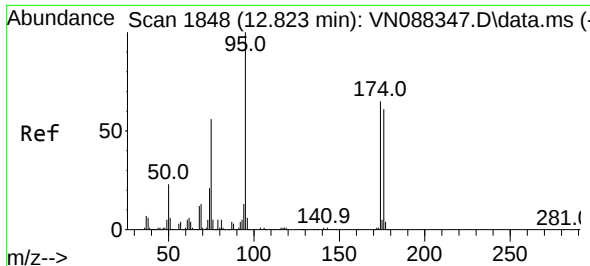
Tgt Ion: 63 Resp: 1204
Ion Ratio Lower Upper
63 100
106 4.4 20.5 30.7#



#59
2-Hexanone
Concen: 21.106 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 43 Resp: 100881
Ion Ratio Lower Upper
43 100
58 20.6 25.3 75.9#

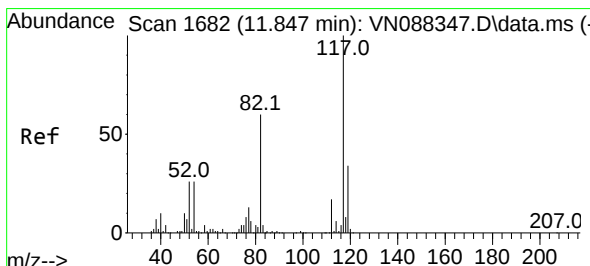
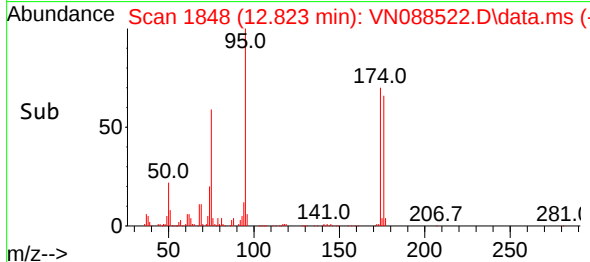
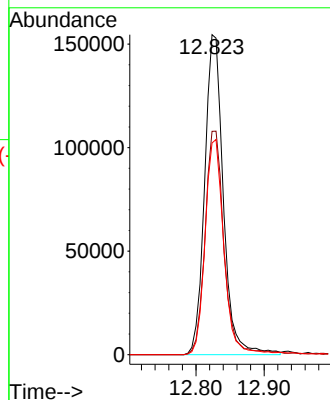
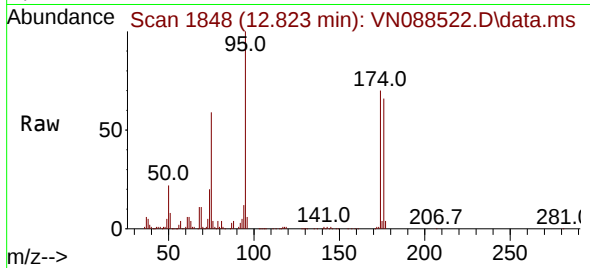




#62
4-Bromofluorobenzene
Concen: 55.626 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

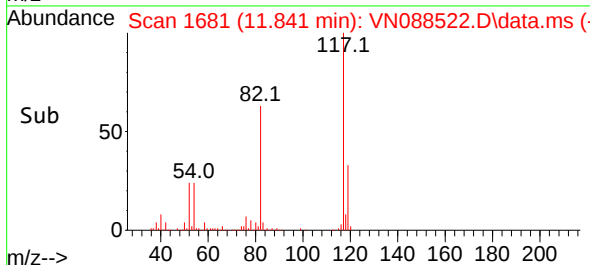
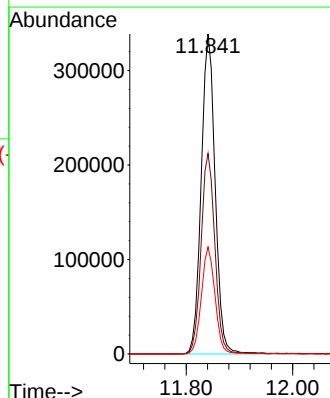
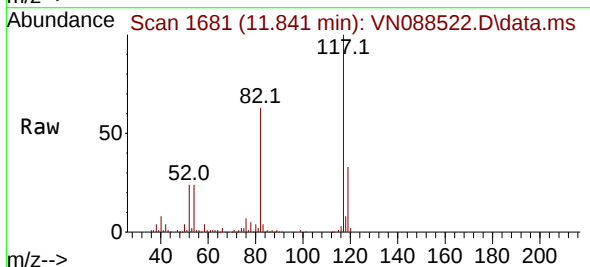
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

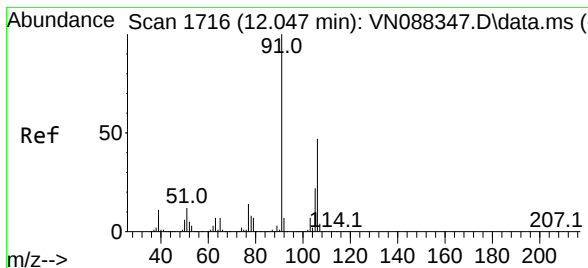
Tgt Ion: 95 Resp: 294842
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.0
176 67.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 117 Resp: 614763
Ion Ratio Lower Upper
117 100
82 62.6 47.8 71.8
119 33.4 26.9 40.3

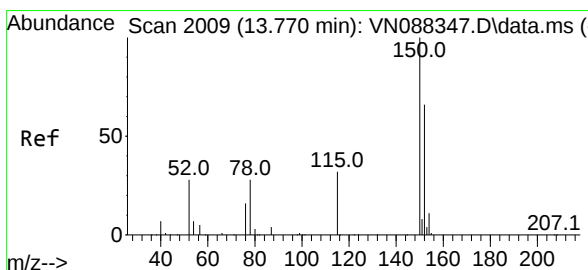
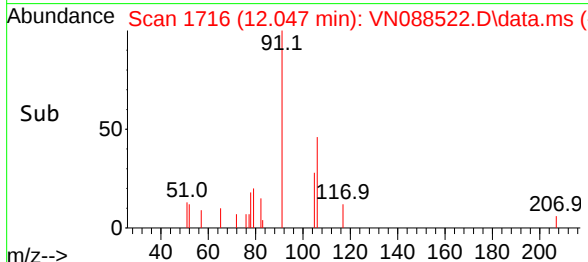
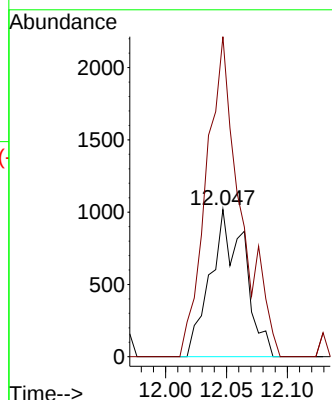
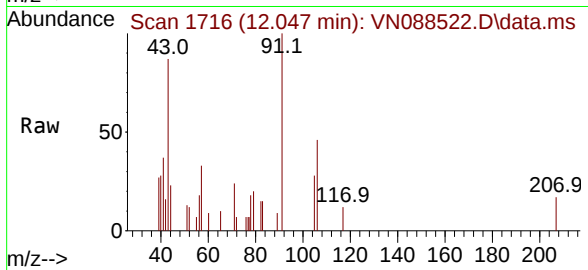




#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 12.047 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

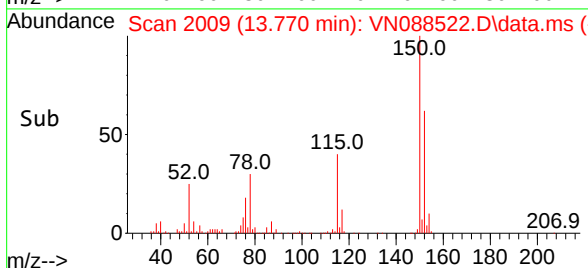
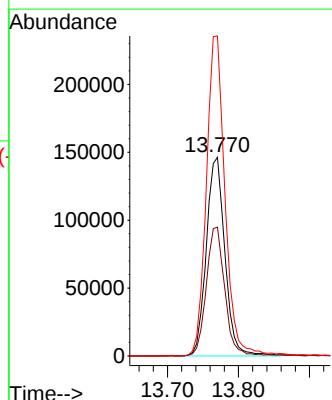
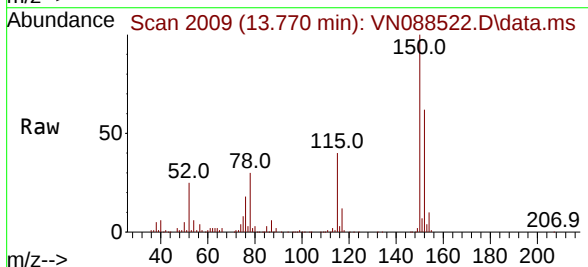
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

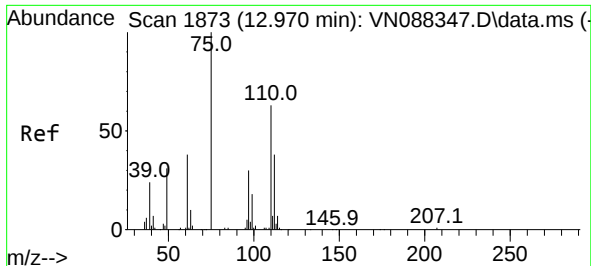
Tgt Ion:106 Resp: 1995
Ion Ratio Lower Upper
106 100
91 217.4 167.8 251.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion:152 Resp: 267582
Ion Ratio Lower Upper
152 100
115 64.6 33.0 98.9
150 161.9 0.0 349.0

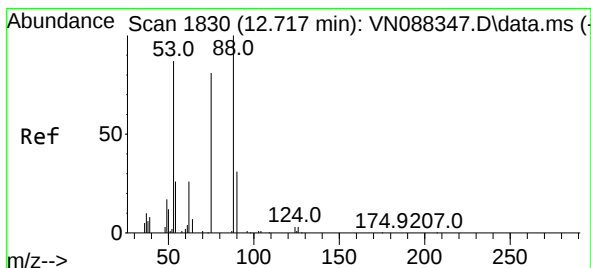
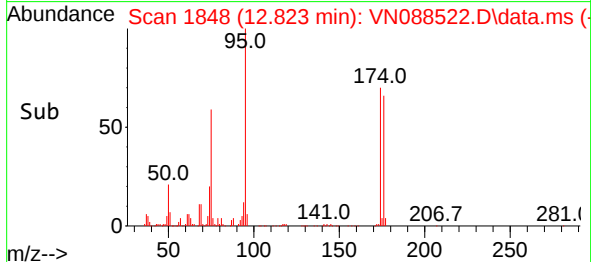
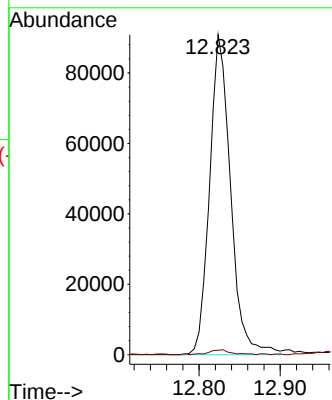
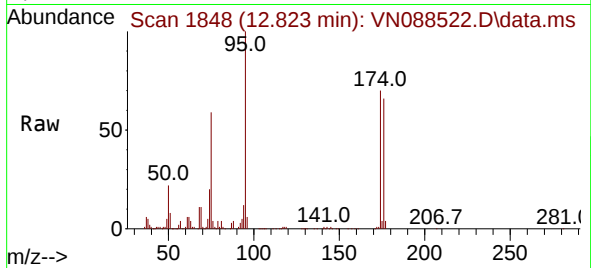




#76
1,2,3-Trichloropropane
Concen: 26.057 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

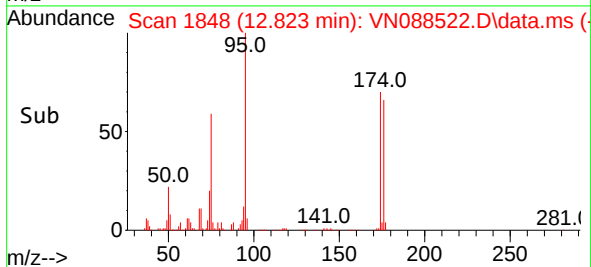
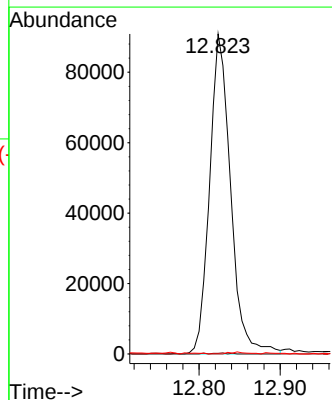
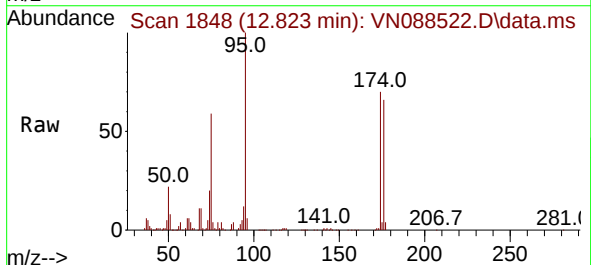
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

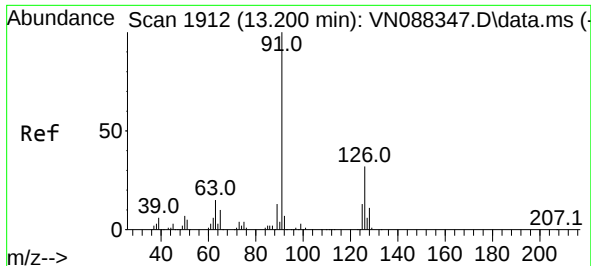
Tgt Ion: 75 Resp: 163303
Ion Ratio Lower Upper
75 100
77 1.6 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.921 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 75 Resp: 163303
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0

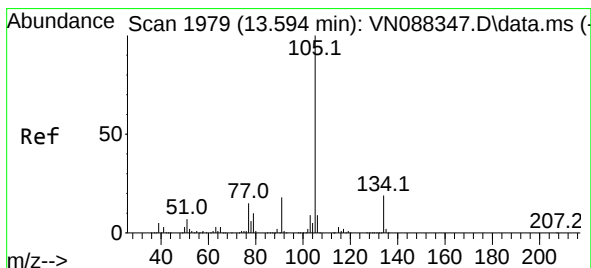
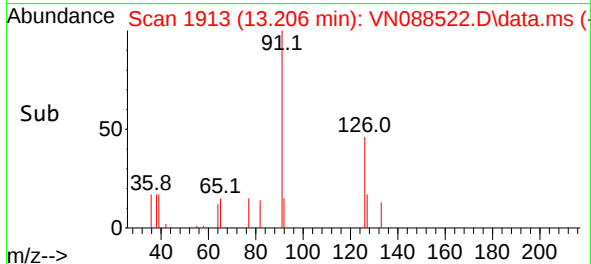
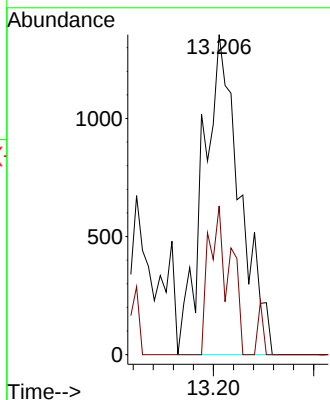
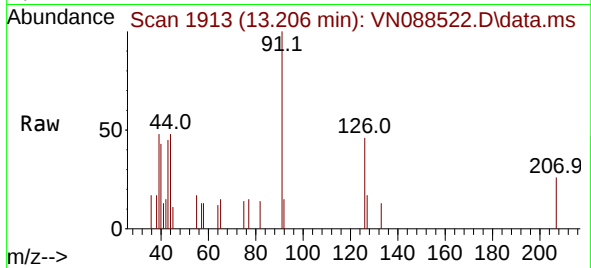




#82
4-Chlorotoluene
Concen: 0.235 ug/l
RT: 13.206 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

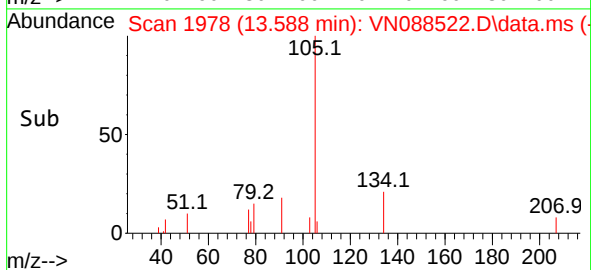
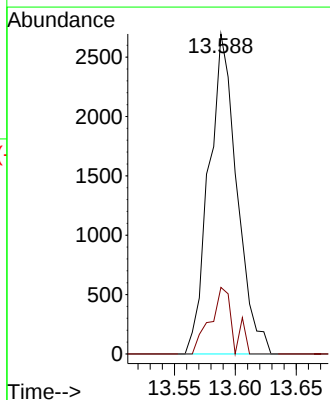
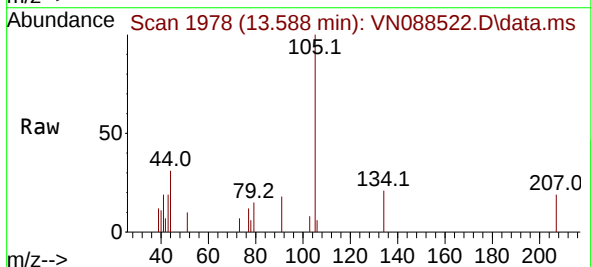
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

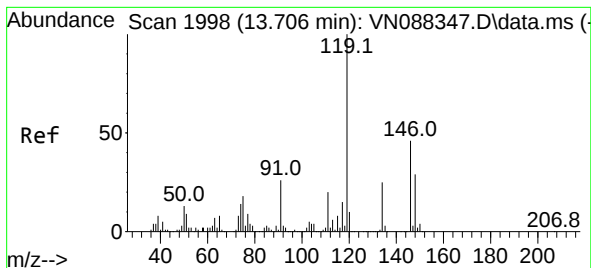
Tgt Ion: 91 Resp: 3444
Ion Ratio Lower Upper
91 100
126 27.0 15.6 46.7



#85
sec-Butylbenzene
Concen: 0.216 ug/l
RT: 13.588 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 105 Resp: 4319
Ion Ratio Lower Upper
105 100
134 16.9 9.5 28.5

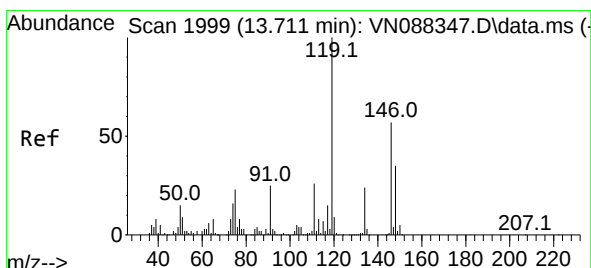
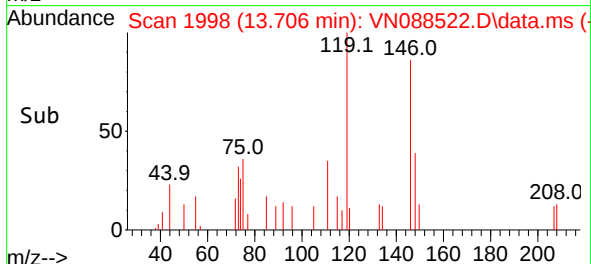
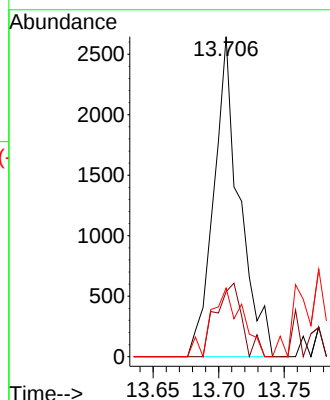
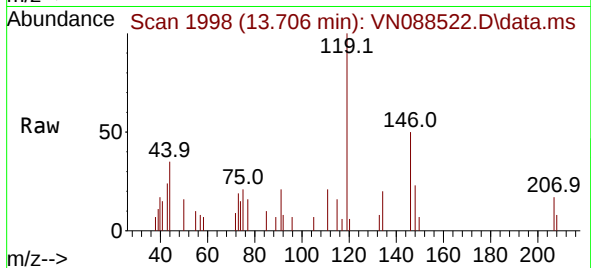




#86
p-Isopropyltoluene
Concen: 0.219 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

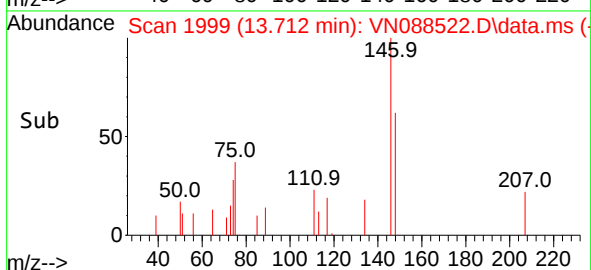
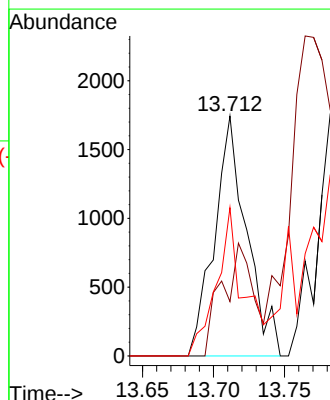
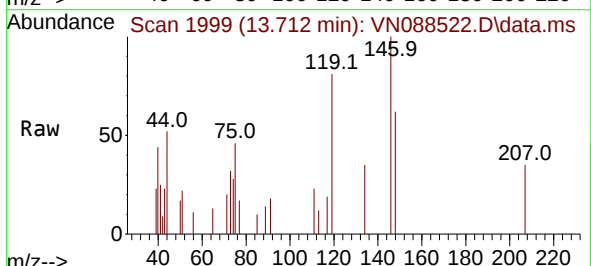
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

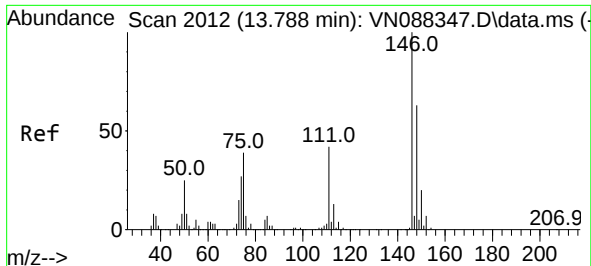
Tgt Ion:	119	Resp:	3600
Ion	Ratio	Lower	Upper
119	100		
134	23.5	12.2	36.6
91	25.7	13.0	39.0



#87
1,3-Dichlorobenzene
Concen: 0.313 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion:	146	Resp:	2757
Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.4	67.0
148	51.7	31.6	94.8

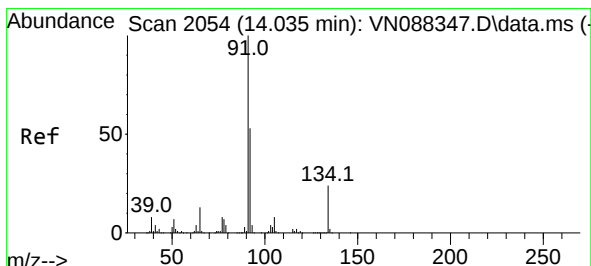
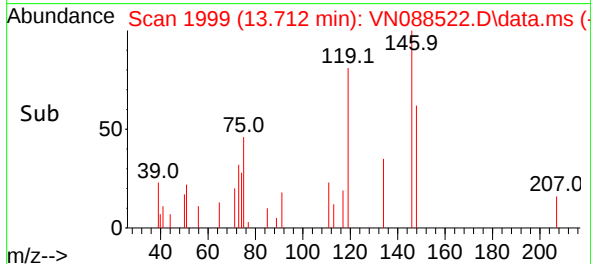
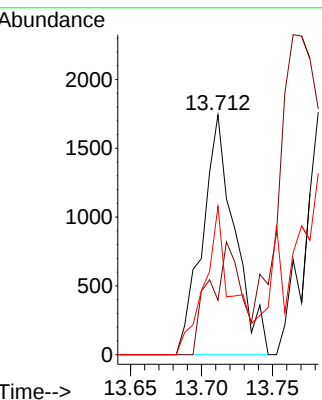
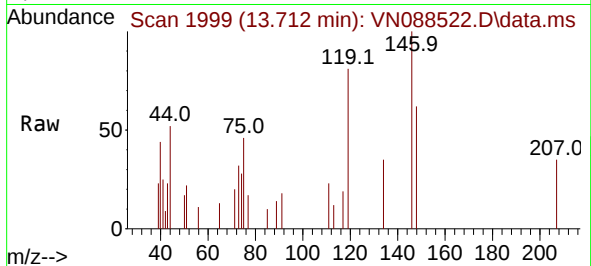




#88
1,4-Dichlorobenzene
Concen: 0.299 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

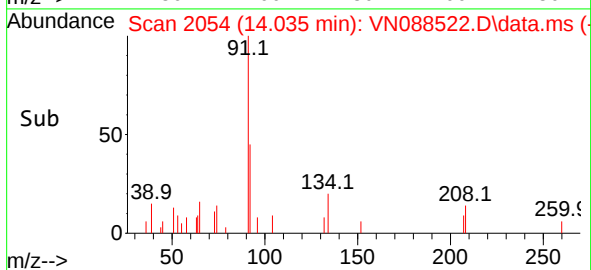
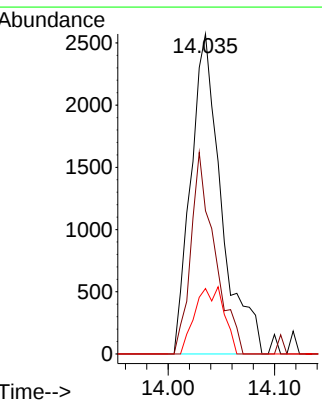
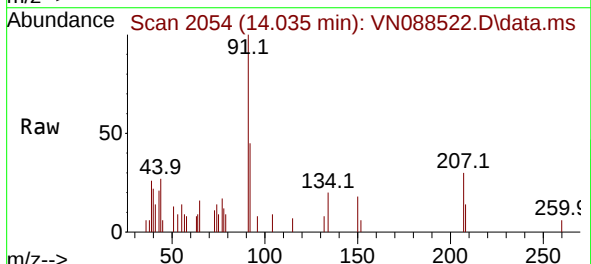
Instrument :
MSVOA_N
ClientSampleId :
PB170929TB

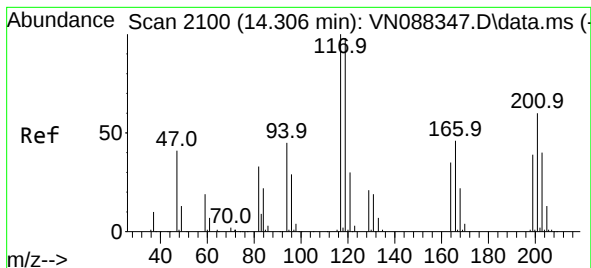
Tgt Ion:146	Resp:	2757
Ion Ratio	Lower	Upper
146	100	
111	45.2	21.6 64.6
148	51.7	31.0 93.0



#89
n-Butylbenzene
Concen: 0.322 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088522.D
Acq: 16 Dec 2025 13:04

Tgt Ion: 91	Resp:	5127
Ion Ratio	Lower	Upper
91	100	
92	49.0	26.1 78.3
134	19.9	11.7 35.1





#90

Hexachloroethane

Concen: 0.211 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. 0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

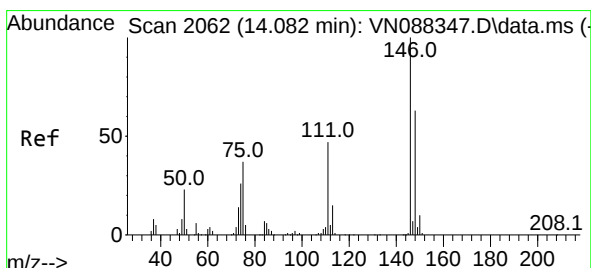
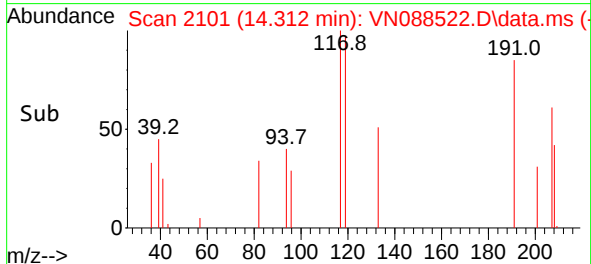
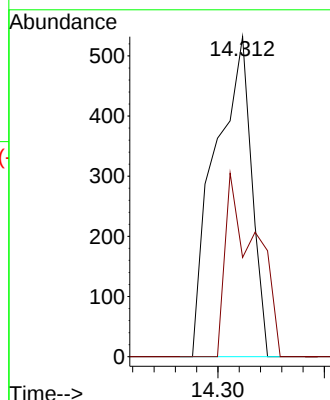
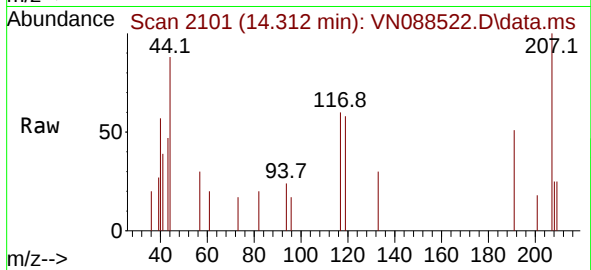
PB170929TB

Tgt Ion:117 Resp: 633

Ion Ratio Lower Upper

117 100

201 47.6 30.3 90.9



#91

1,2-Dichlorobenzene

Concen: 0.222 ug/l

RT: 14.088 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

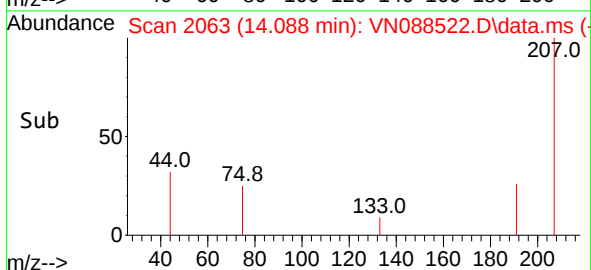
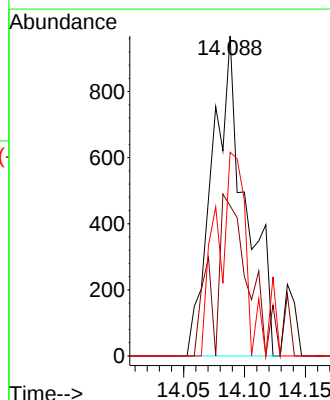
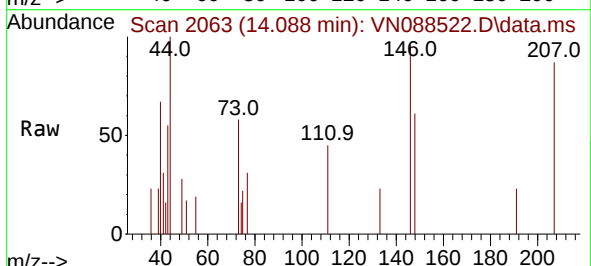
Tgt Ion:146 Resp: 1845

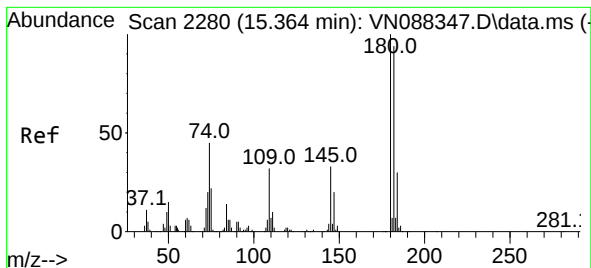
Ion Ratio Lower Upper

146 100

111 51.3 23.3 69.9

148 54.8 31.8 95.4





#93

1,2,4-Trichlorobenzene

Concen: 0.639 ug/l

RT: 15.376 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

PB170929TB

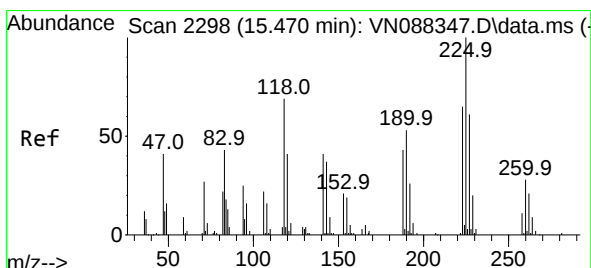
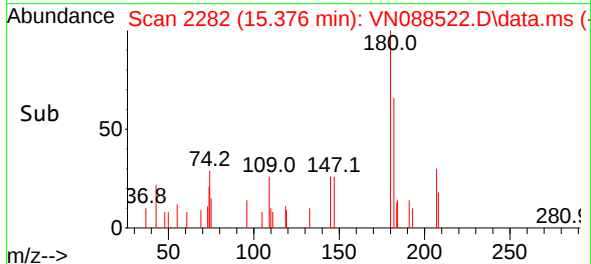
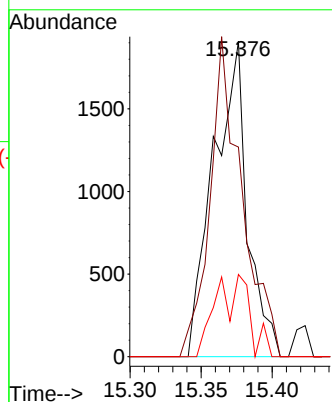
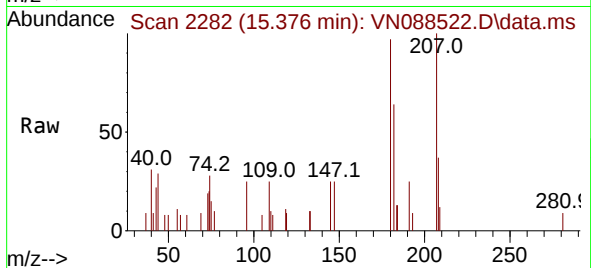
Tgt Ion:180 Resp: 3150

Ion Ratio Lower Upper

180 100

182 96.0 46.1 138.2

145 13.1 16.7 50.1#



#94

Hexachlorobutadiene

Concen: 0.839 ug/l

RT: 15.464 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

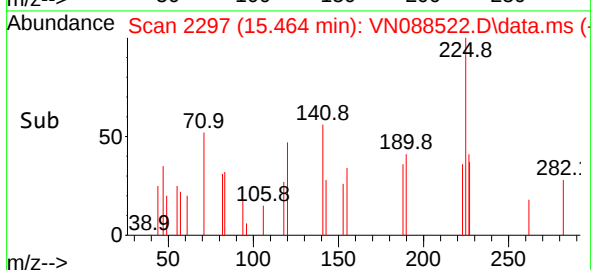
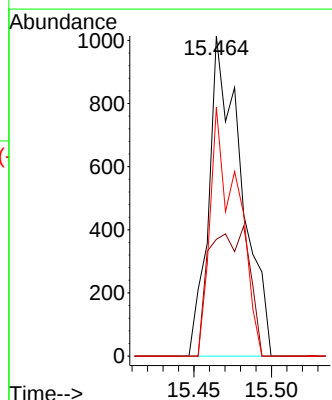
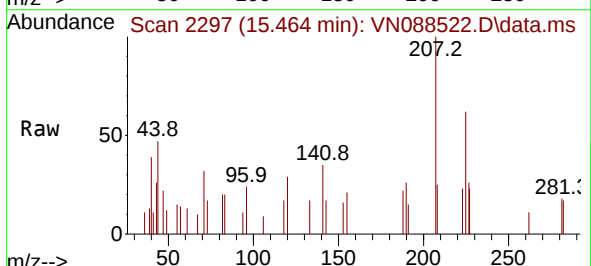
Tgt Ion:225 Resp: 1486

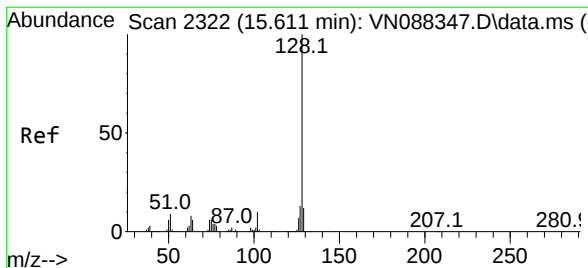
Ion Ratio Lower Upper

225 100

223 48.9 32.3 96.8

227 64.6 29.9 89.8





#95

Naphthalene

Concen: 0.381 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Instrument :

MSVOA_N

ClientSampleId :

PB170929TB

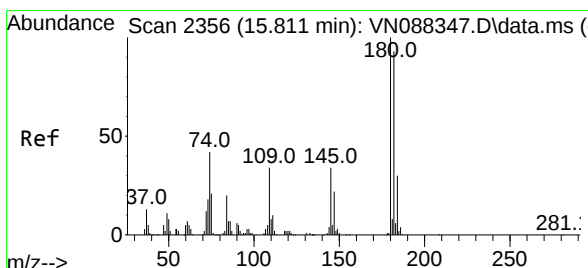
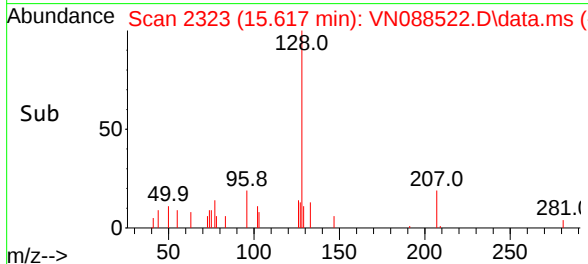
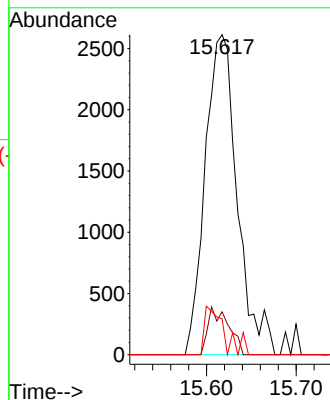
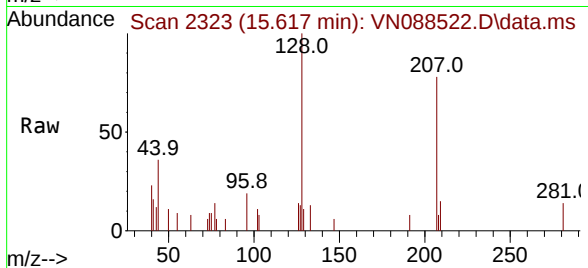
Tgt Ion:128 Resp: 6497

Ion Ratio Lower Upper

128 100

127 9.6 10.4 15.6#

129 9.3 9.0 13.6



#96

1,2,3-Trichlorobenzene

Concen: 0.570 ug/l

RT: 15.806 min Scan# 2355

Delta R.T. -0.006 min

Lab File: VN088522.D

Acq: 16 Dec 2025 13:04

Tgt Ion:180 Resp: 2735

Ion Ratio Lower Upper

180 100

182 104.2 45.9 137.7

145 41.2 17.8 53.4

