

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013125\
 Data File : VN085595.D
 Acq On : 31 Jan 2025 12:03
 Operator : JC\MD
 Sample : Q1211-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TAPIAL2-MW03-012825-00-T3RE

Quant Time: Jan 31 22:26:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

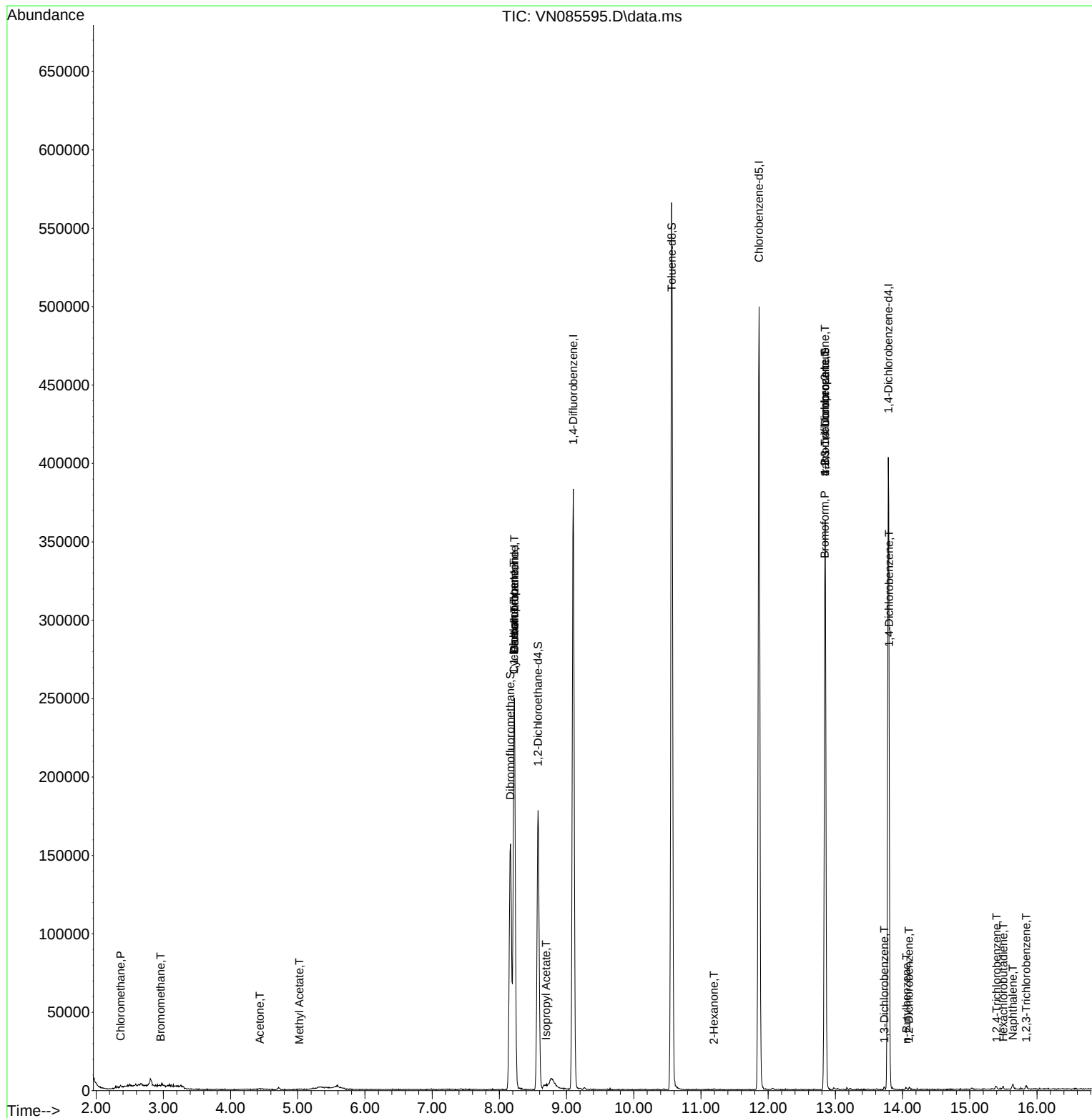
Internal Standards						
1) Pentafluorobenzene	8.224	168	165654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	310451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151665	56.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.440%			
35) Dibromofluoromethane	8.165	113	113642	52.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.520%			
50) Toluene-d8	10.565	98	376541	49.206	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.847	95	119830	45.778	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.560%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	695	0.286	ug/l #	85
5) Bromomethane	2.959	94	340	0.231	ug/l #	5
16) Acetone	4.436	43	756	0.875	ug/l #	45
18) Methyl Acetate	5.024	43	683	0.260	ug/l #	52
31) Cyclohexane	8.218	56	4619	1.361	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	15437	5.107	ug/l #	53
38) Carbon Tetrachloride	8.224	117	19349	5.591	ug/l #	17
43) Isopropyl Acetate	8.694	43	1286	0.263	ug/l #	55
59) 2-Hexanone	11.194	43	716	0.359	ug/l #	40
71) Bromoform	12.841	173	1031	0.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65881	31.693	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65881	85.748	ug/l #	3
87) 1,3-Dichlorobenzene	13.729	146	682	0.205	ug/l #	68
88) 1,4-Dichlorobenzene	13.800	146	1179	0.342	ug/l #	7
89) n-Butylbenzene	14.059	91	1045	0.220	ug/l	82
91) 1,2-Dichlorobenzene	14.094	146	665	0.201	ug/l #	64
93) 1,2,4-Trichlorobenzene	15.400	180	939	0.610	ug/l #	89
94) Hexachlorobutadiene	15.500	225	563	0.689	ug/l	83
95) Naphthalene	15.641	128	3368	0.733	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.841	180	980	0.629	ug/l	94

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

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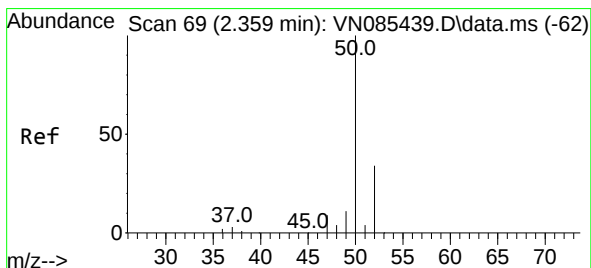
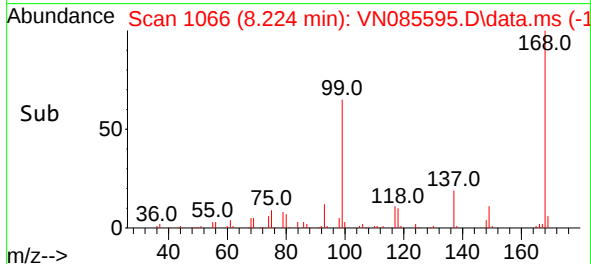
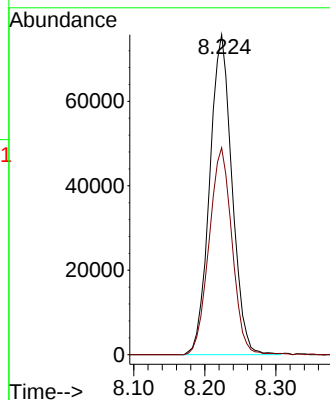
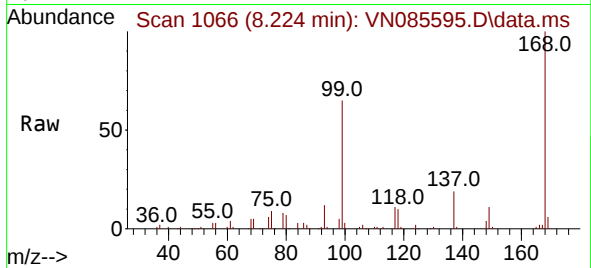




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

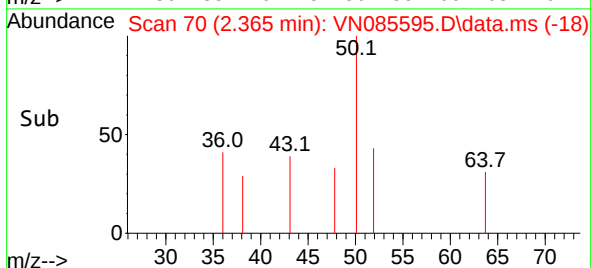
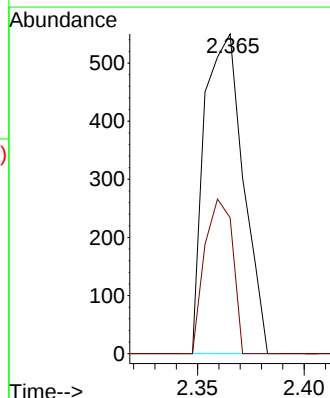
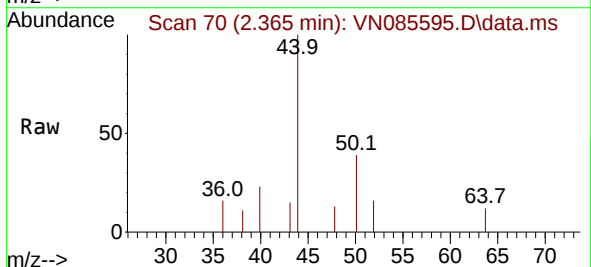
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

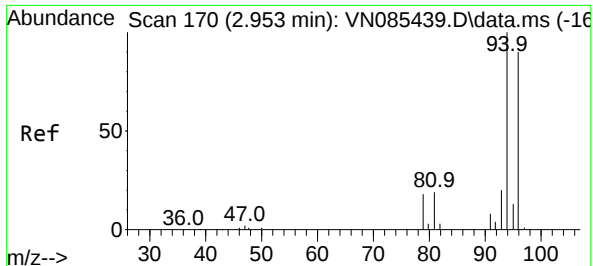
Tgt Ion:168 Resp: 165654
Ion Ratio Lower Upper
168 100
99 64.6 53.6 80.4



#3
Chloromethane
Concen: 0.286 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 50 Resp: 695
Ion Ratio Lower Upper
50 100
52 42.5 27.0 40.6#

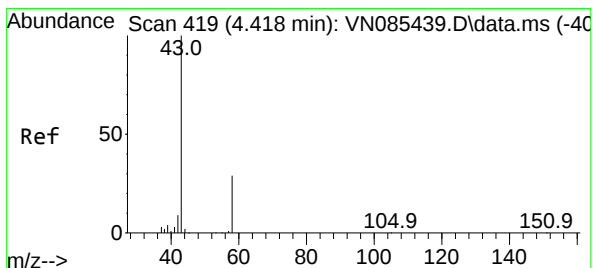
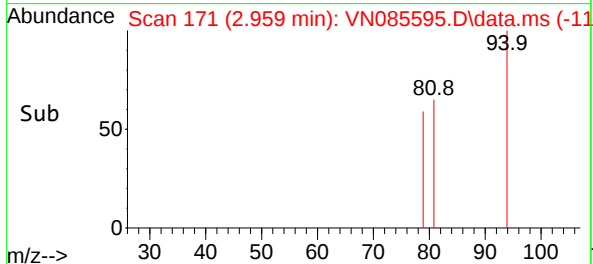
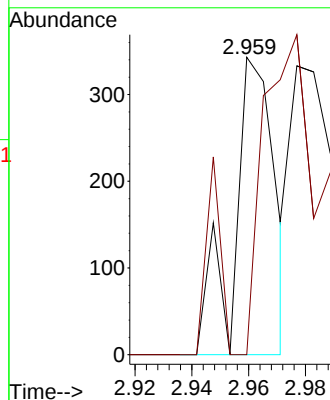
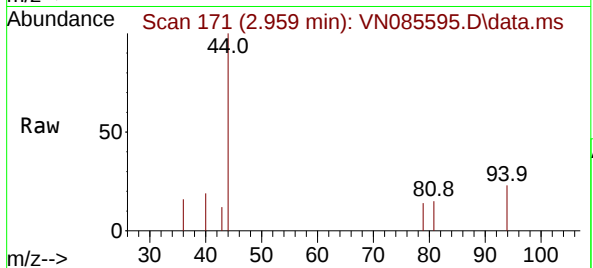




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

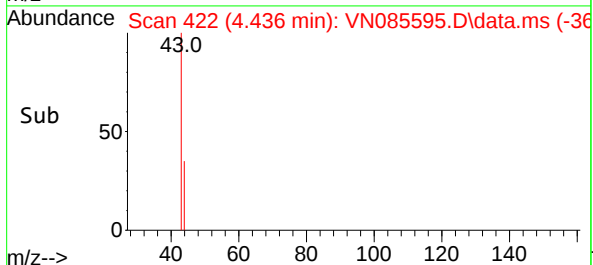
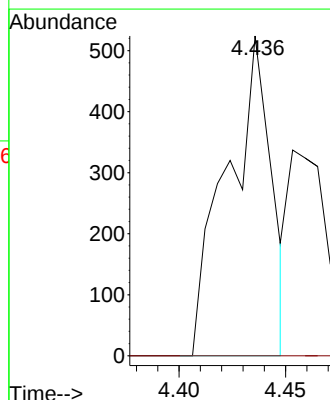
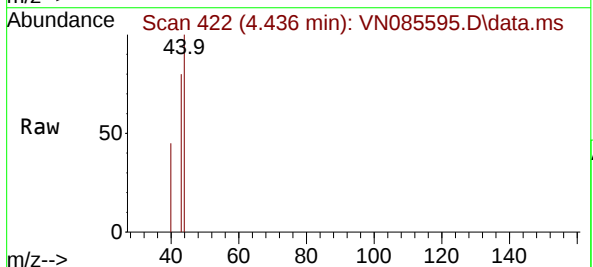
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

Tgt Ion: 94 Resp: 340
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



#16
Acetone
Concen: 0.875 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#





#18

Methyl Acetate

Concen: 0.260 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

Instrument :

MSVOA_N

ClientSampleId :

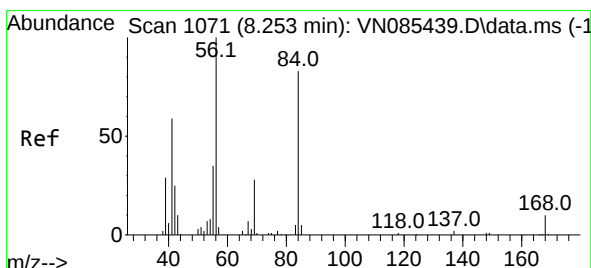
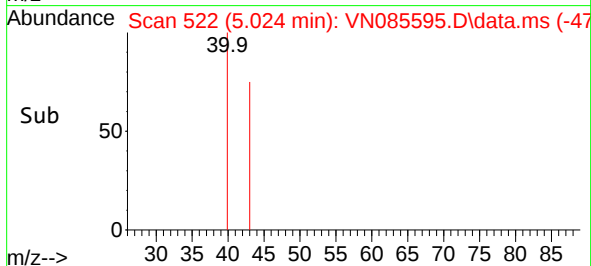
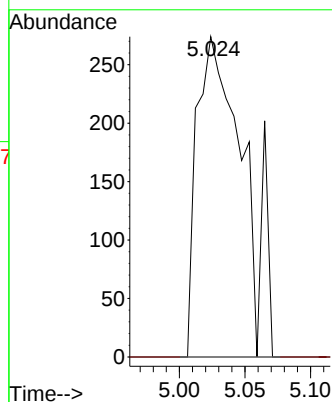
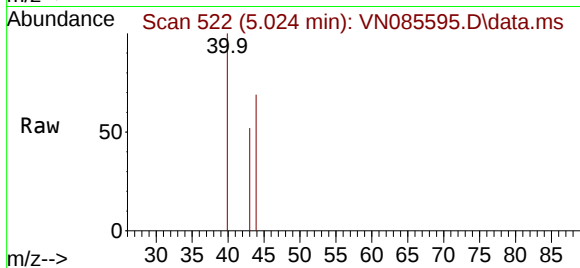
TAPIAL2-MW03-012825-00-T3RE

Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



#31

Cyclohexane

Concen: 1.361 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

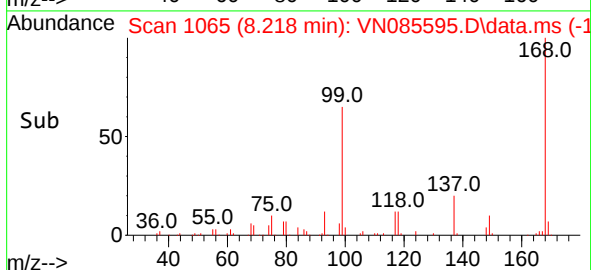
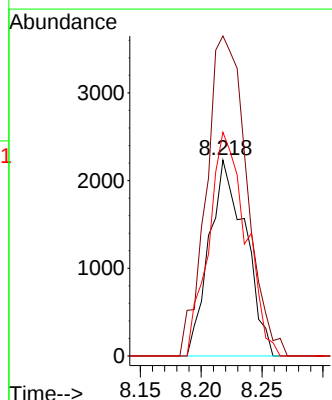
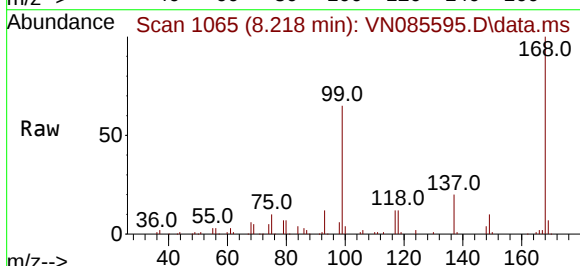
Tgt Ion: 56 Resp: 4619

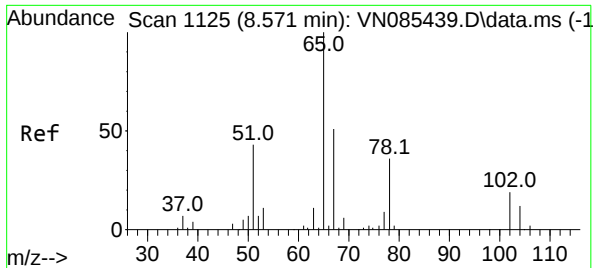
Ion Ratio Lower Upper

56 100

69 163.4 22.2 33.4#

84 114.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.718 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

Instrument :

MSVOA_N

ClientSampleId :

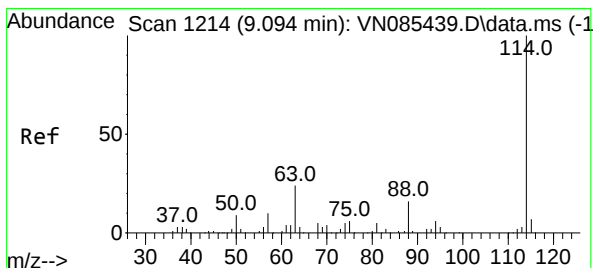
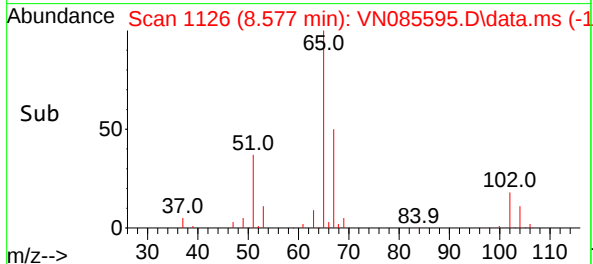
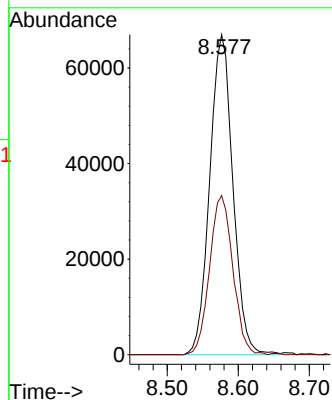
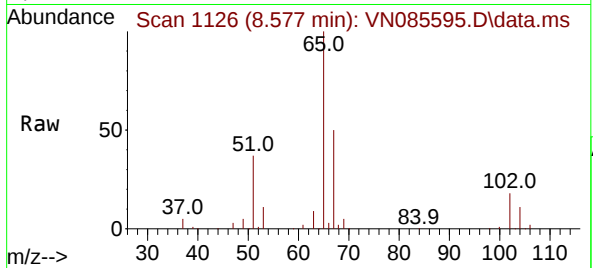
TAPIAL2-MW03-012825-00-T3RE

Tgt Ion: 65 Resp: 151665

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

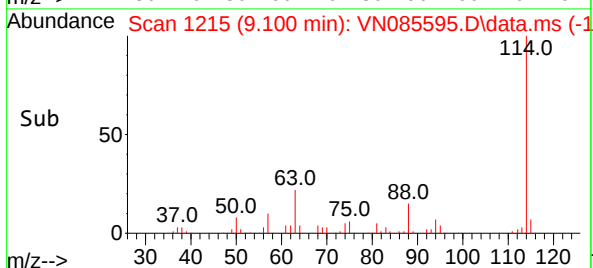
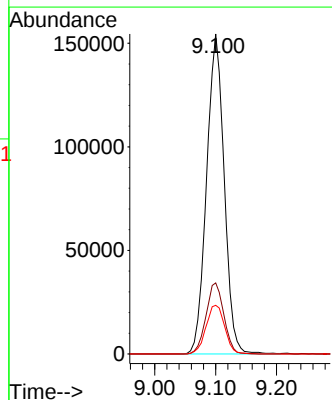
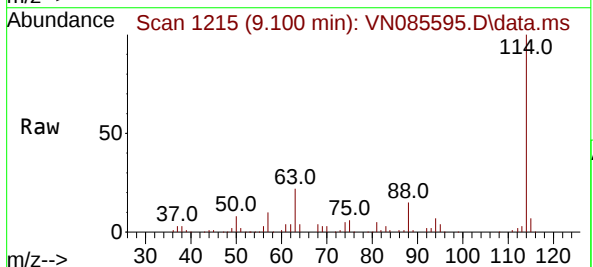
Tgt Ion: 114 Resp: 310451

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.764 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085595.D

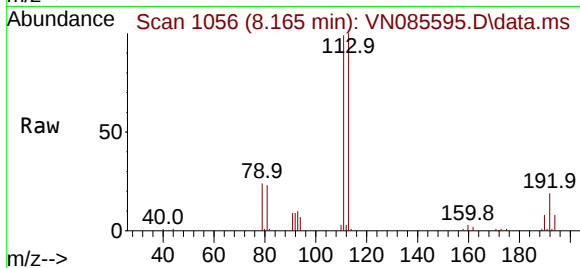
Acq: 31 Jan 2025 12:03

Instrument :

MSVOA_N

ClientSampleId :

TAPIAL2-MW03-012825-00-T3RE



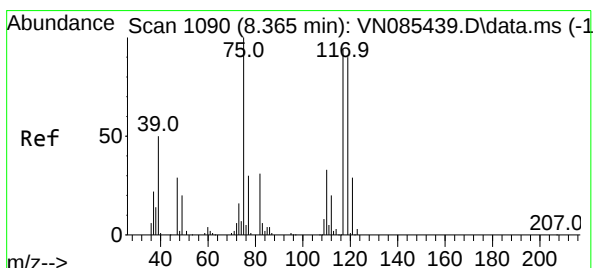
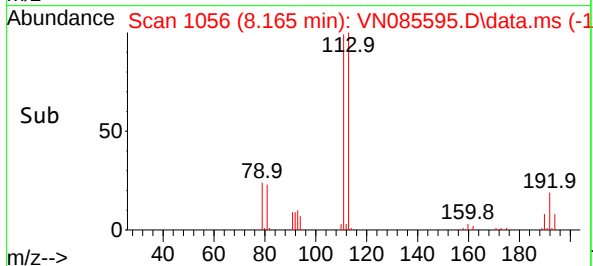
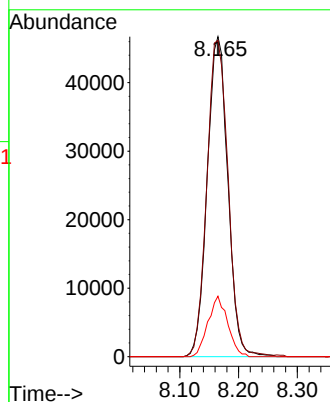
Tgt Ion:113 Resp: 113642

Ion Ratio Lower Upper

113 100

111 101.9 82.7 124.1

192 18.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.107 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

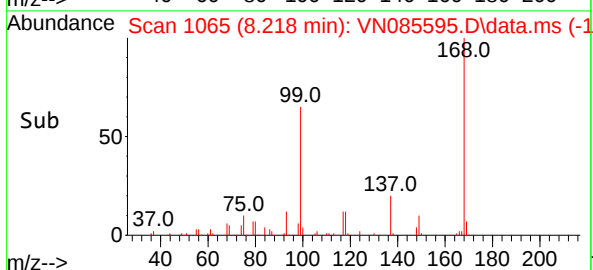
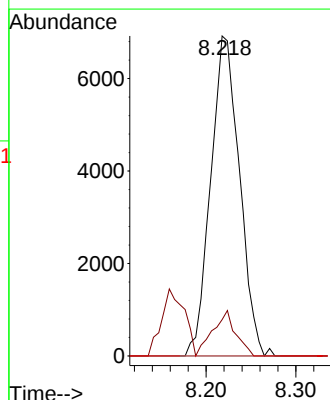
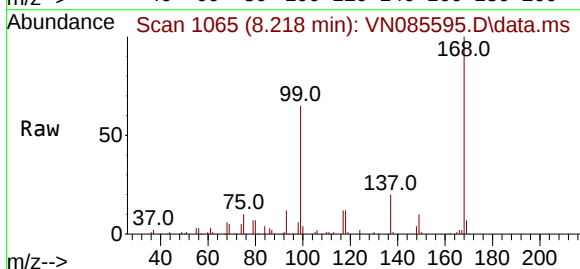
Tgt Ion: 75 Resp: 15437

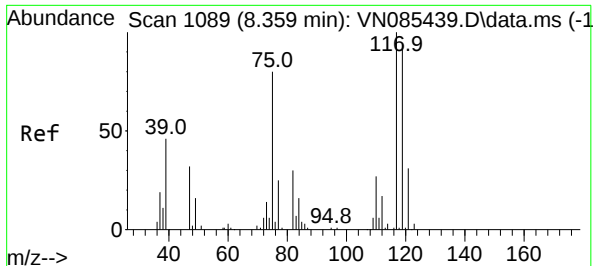
Ion Ratio Lower Upper

75 100

110 11.2 16.5 49.5#

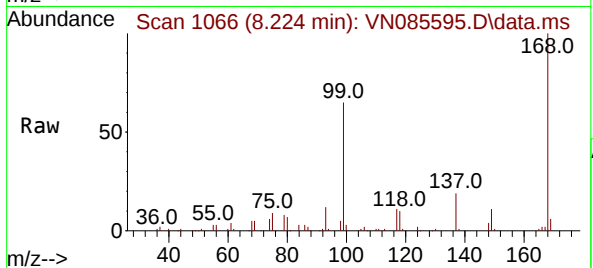
77 0.0 24.4 36.6#



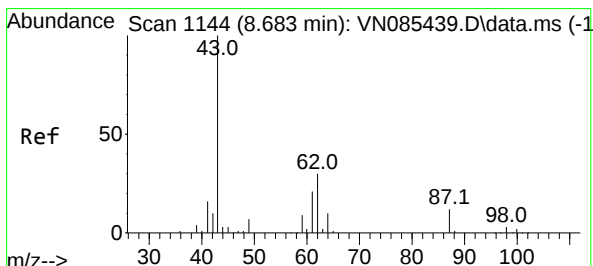
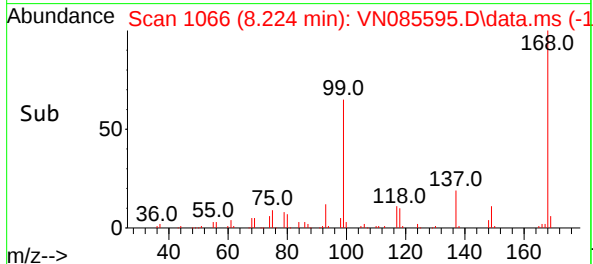
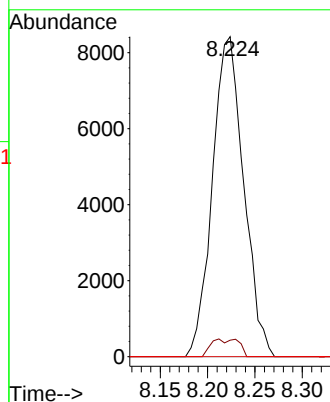


#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument : MSVOA_N
ClientSampleId : TAPIAL2-MW03-012825-00-T3RE

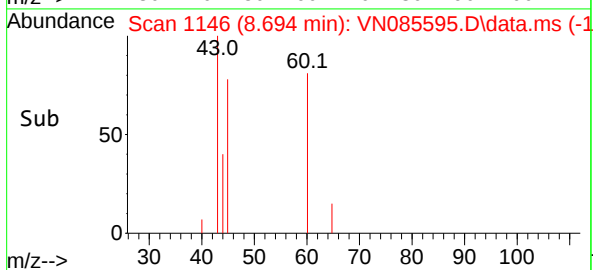
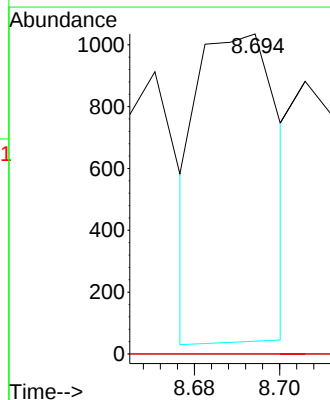
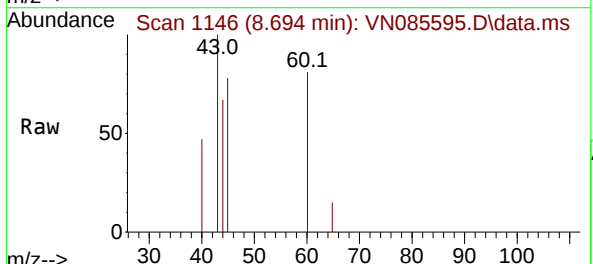


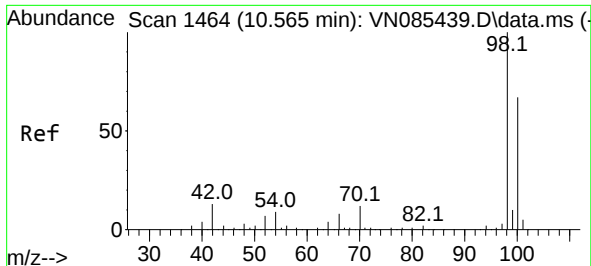
Tgt Ion: 117 Resp: 19349
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.263 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
61 0.0 20.7 31.1#
87 0.0 9.8 14.8#

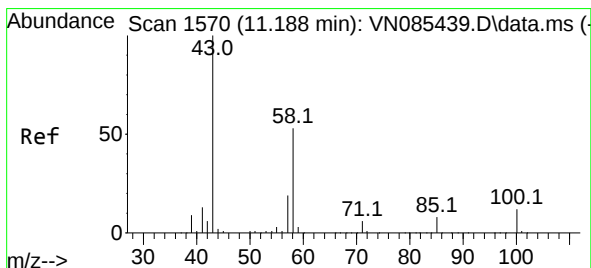
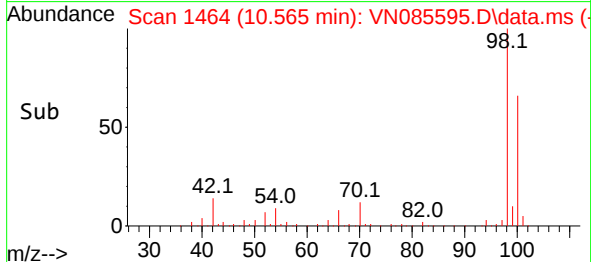
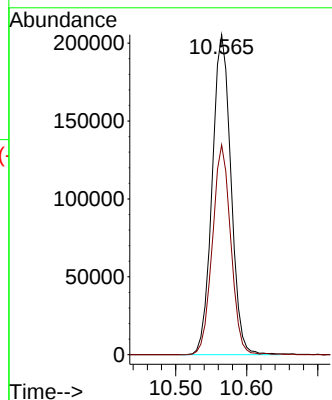
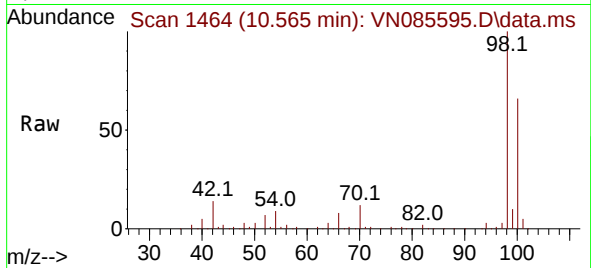




#50
Toluene-d8
Concen: 49.206 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

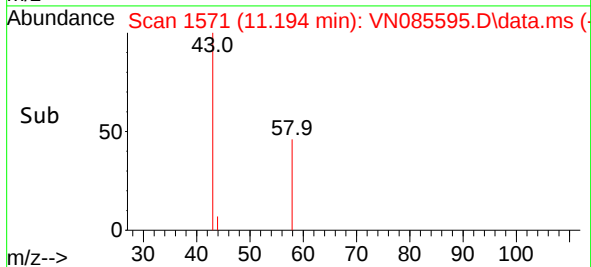
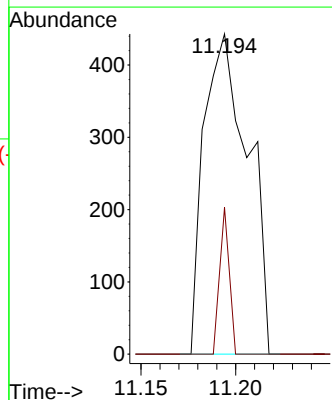
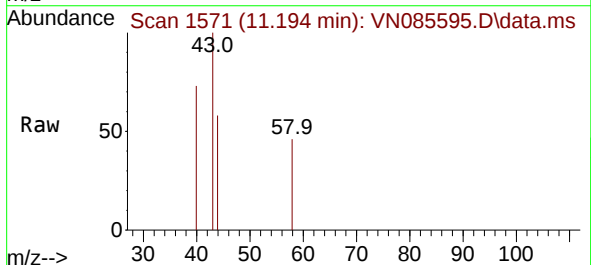
Instrument : MSVOA_N
ClientSampleId : TAPIAL2-MW03-012825-00-T3RE

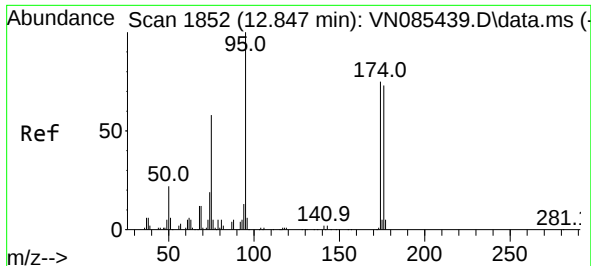
Tgt Ion: 98 Resp: 376541
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4



#59
2-Hexanone
Concen: 0.359 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 10.1 26.2 78.6#

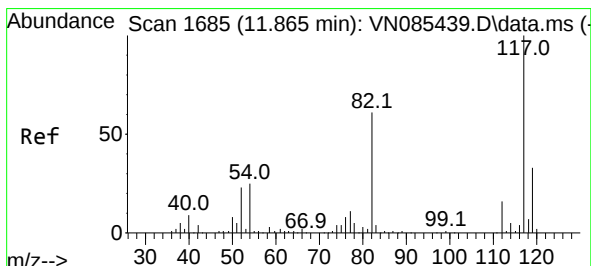
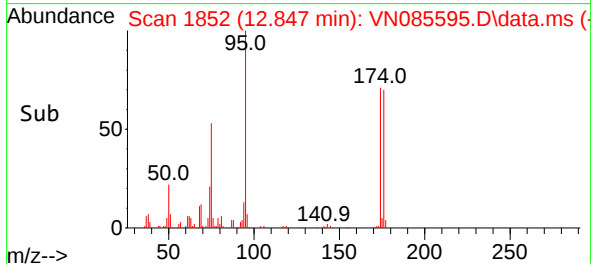
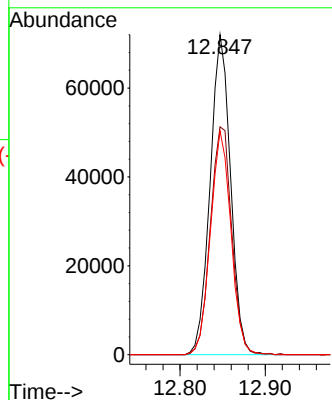
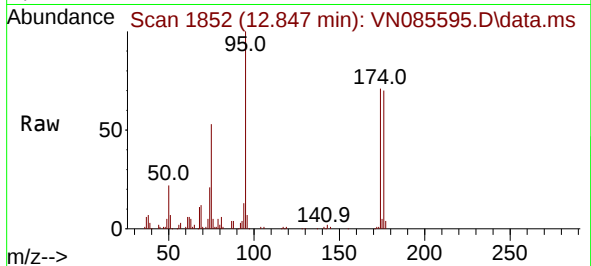




#62
4-Bromofluorobenzene
Concen: 45.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

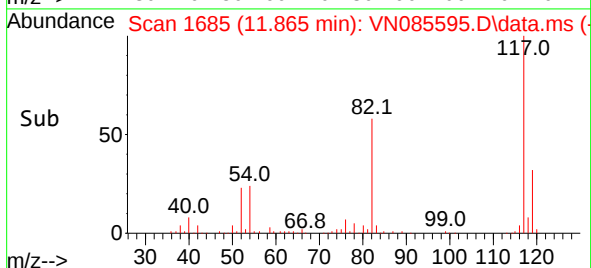
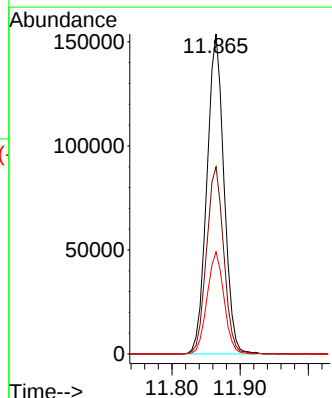
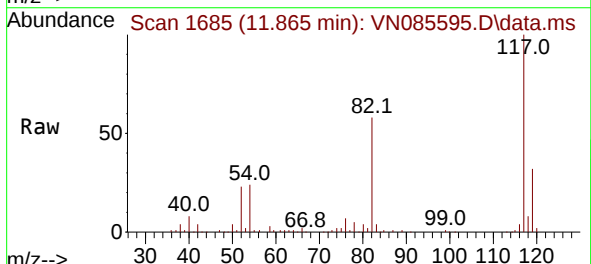
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

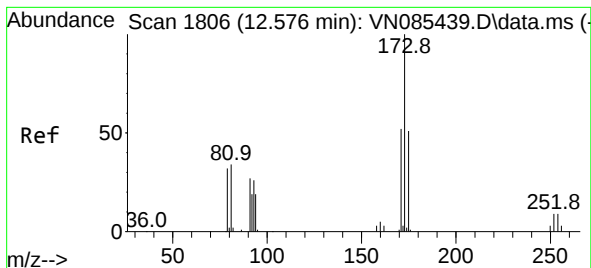
Tgt Ion: 95 Resp: 119830
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.0
176 70.3 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 117 Resp: 268445
Ion Ratio Lower Upper
117 100
82 58.4 48.6 72.8
119 31.9 26.6 39.8





#71

Bromoform

Concen: 0.668 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

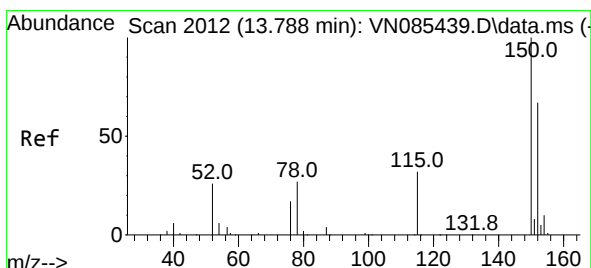
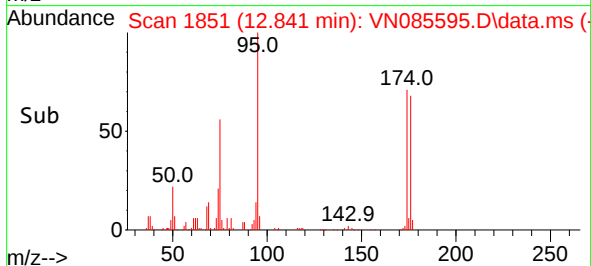
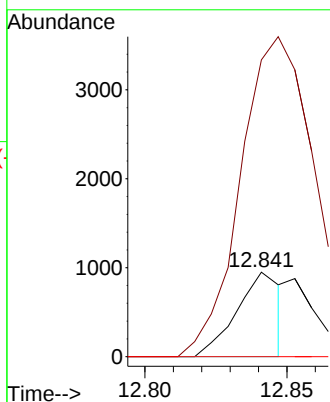
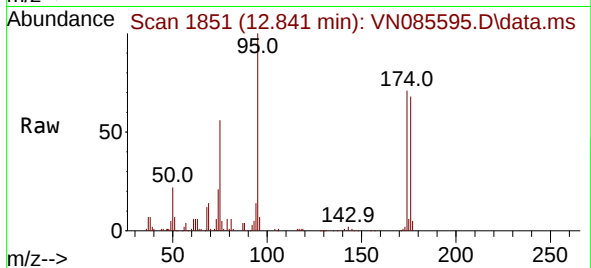
Instrument :

MSVOA_N

ClientSampleId :

TAPIAL2-MW03-012825-00-T3RE

Tgt Ion:173	Resp:	1031
Ion Ratio	Lower	Upper
173	100	
175	487.3	24.4 73.2#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

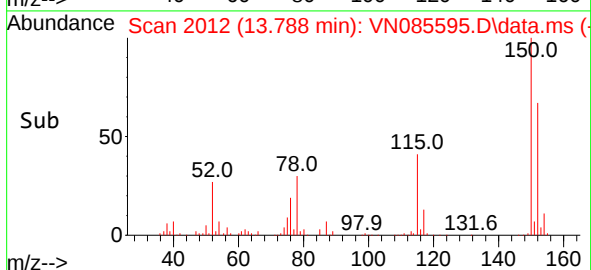
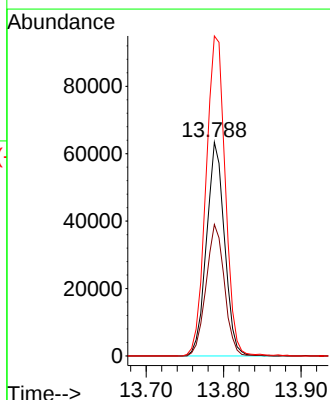
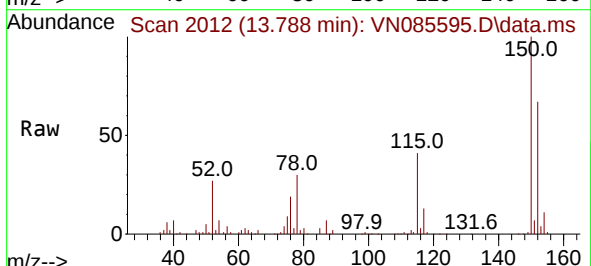
RT: 13.788 min Scan# 2012

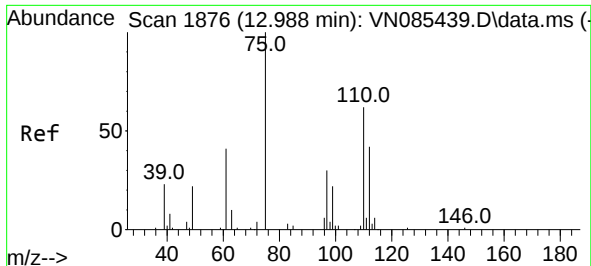
Delta R.T. -0.000 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

Tgt Ion:152	Resp:	102272
Ion Ratio	Lower	Upper
152	100	
115	62.8	31.1 93.3
150	160.3	0.0 343.6

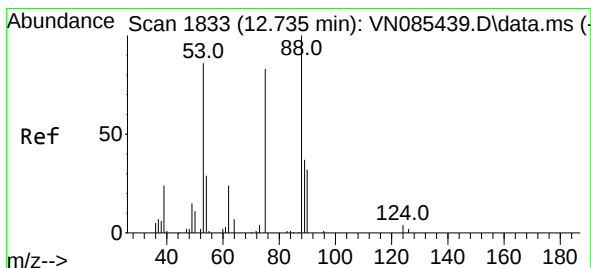
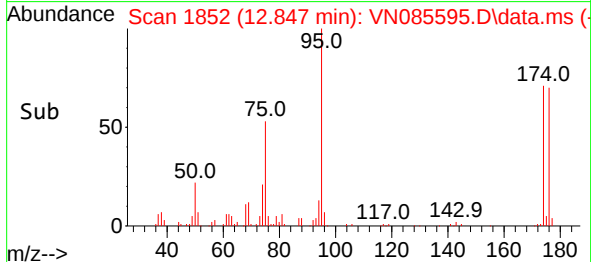
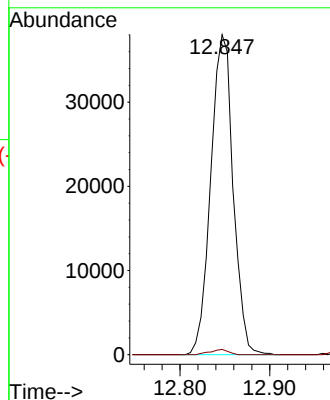
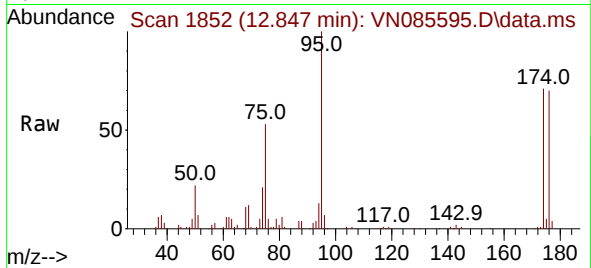




#76
1,2,3-Trichloropropane
Concen: 31.693 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

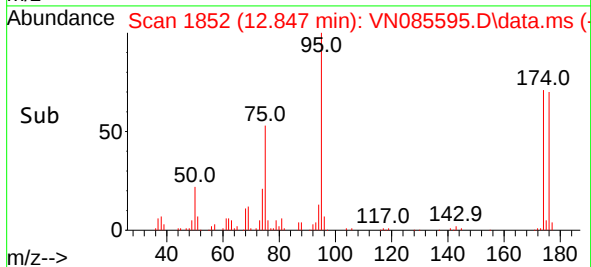
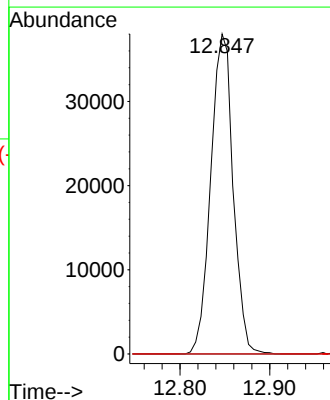
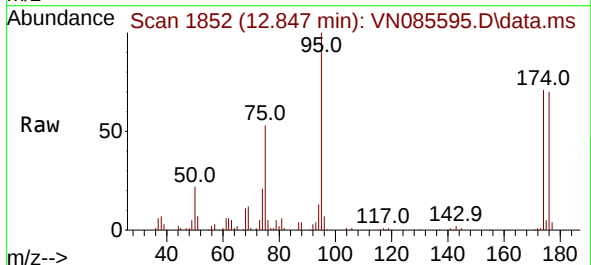
Instrument : MSVOA_N
ClientSampleId : TAPIAL2-MW03-012825-00-T3RE

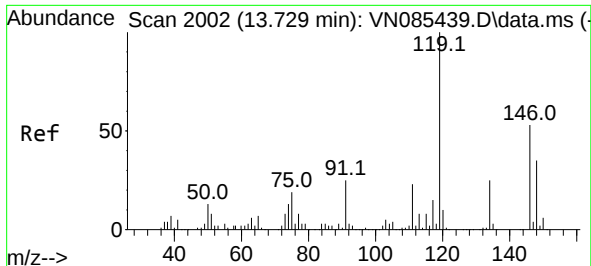
Tgt Ion: 75 Resp: 65881
Ion Ratio Lower Upper
75 100
77 1.3 109.7 329.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.748 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion: 75 Resp: 65881
Ion Ratio Lower Upper
75 100
53 0.0 95.6 143.4#
89 0.0 37.0 55.6#

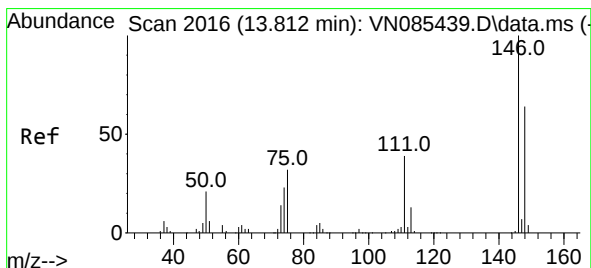
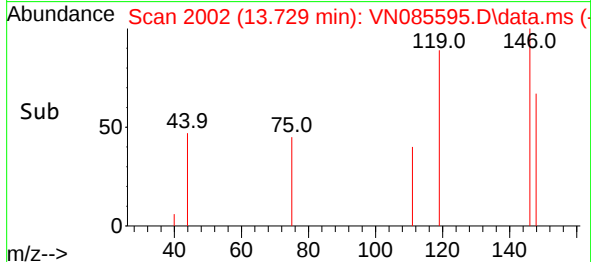
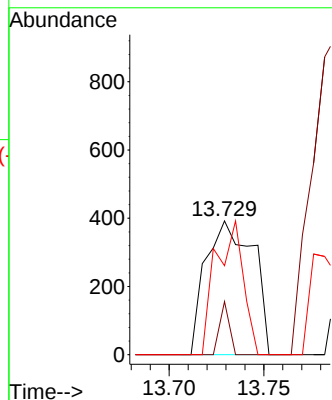
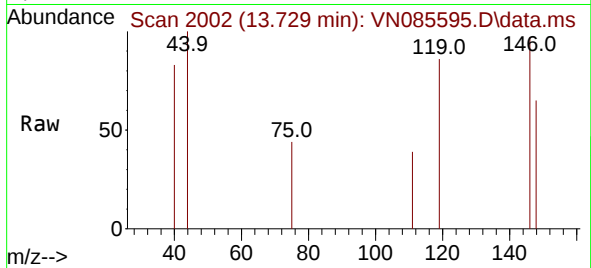




#87
1,3-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.729 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

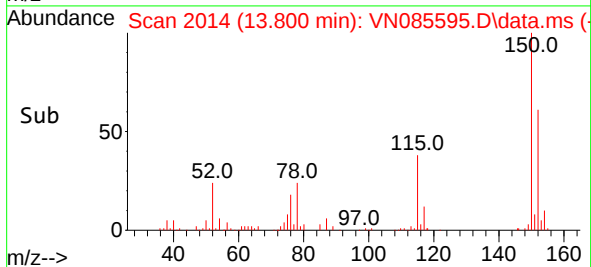
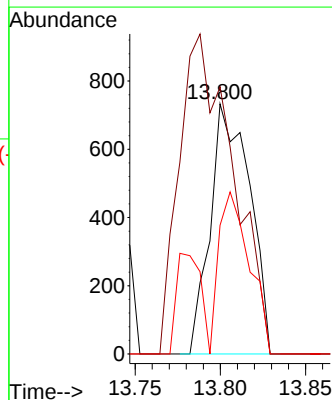
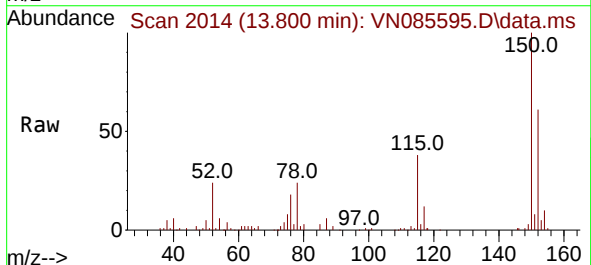
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

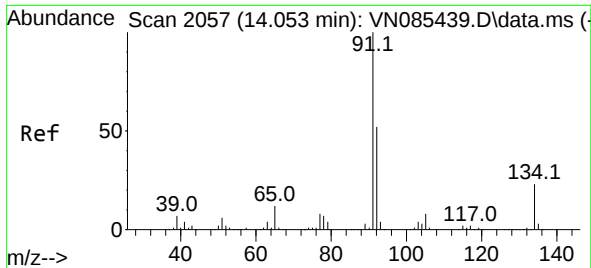
Tgt Ion:146 Resp: 682
Ion Ratio Lower Upper
146 100
111 0.0 21.4 64.3#
148 57.9 32.3 96.9



#88
1,4-Dichlorobenzene
Concen: 0.342 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.012 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:146 Resp: 1179
Ion Ratio Lower Upper
146 100
111 174.5 21.3 63.7#
148 50.6 32.4 97.0

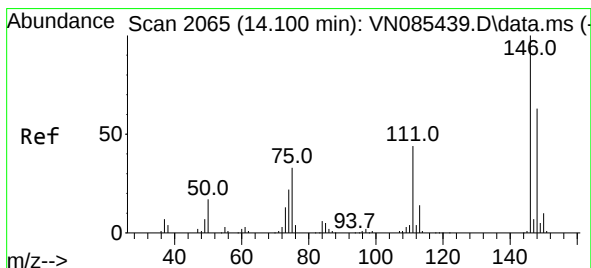
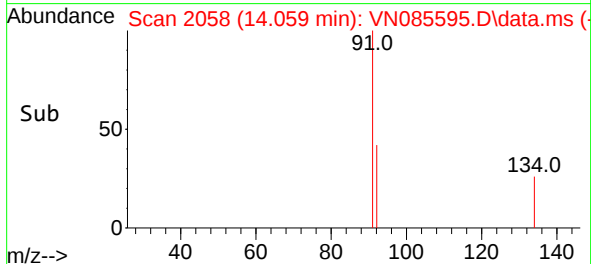
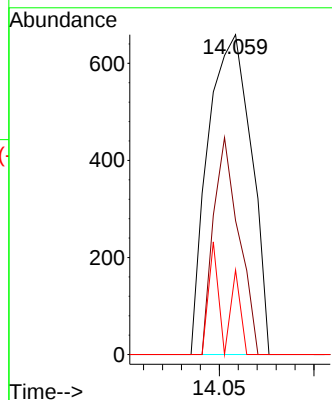
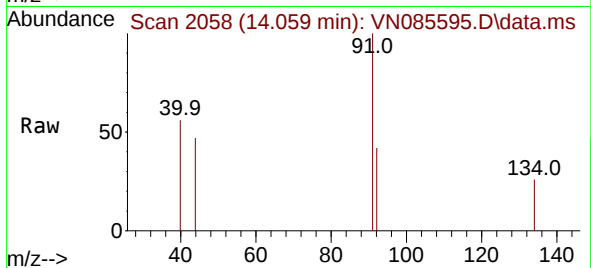




#89
n-Butylbenzene
Concen: 0.220 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

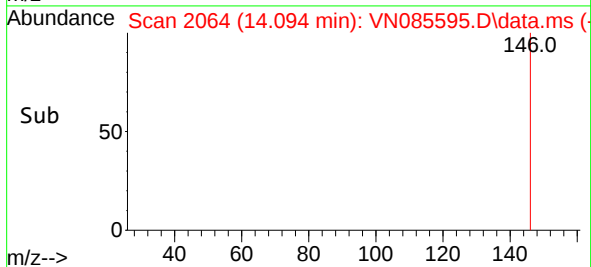
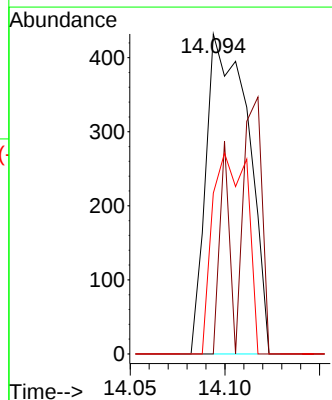
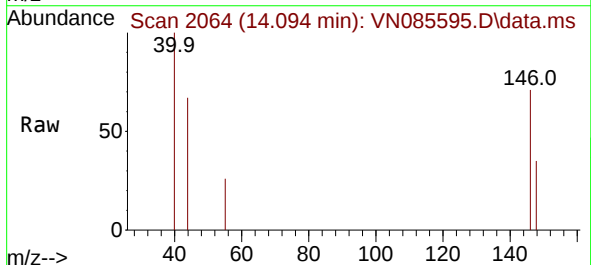
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

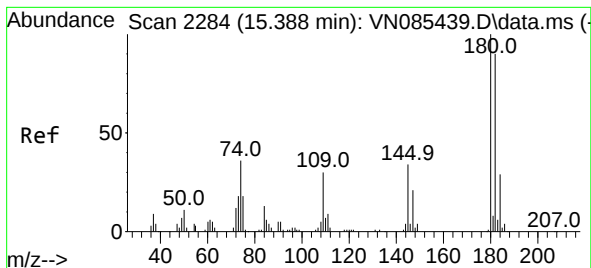
Tgt Ion: 91	Resp: 1045
Ion Ratio	Lower Upper
91 100	
92 40.0	25.8 77.3
134 13.7	11.7 35.1



#91
1,2-Dichlorobenzene
Concen: 0.201 ug/l
RT: 14.094 min Scan# 2064
Delta R.T. -0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:146	Resp:	665	
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.7	65.1#
148	51.9	31.4	94.2





#93

1,2,4-Trichlorobenzene

Concen: 0.610 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

Instrument :

MSVOA_N

ClientSampleId :

TAPIAL2-MW03-012825-00-T3RE

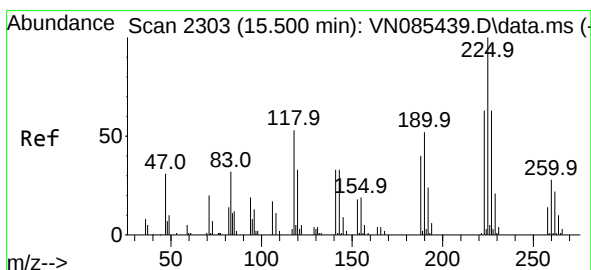
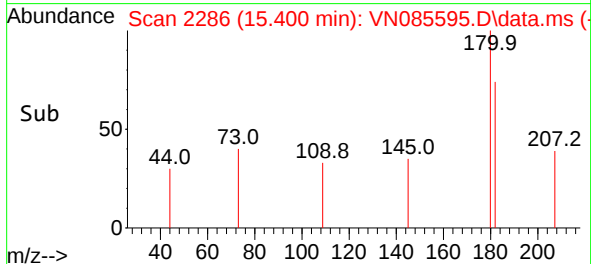
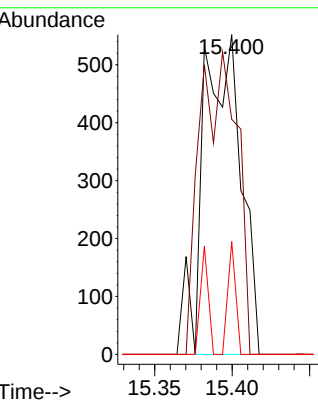
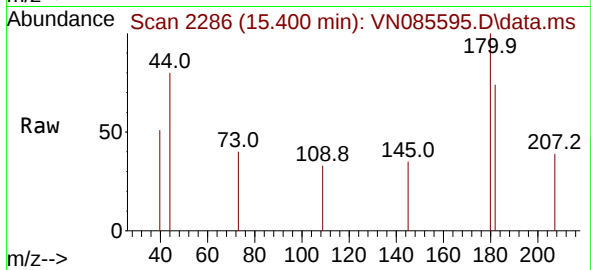
Tgt Ion:180 Resp: 939

Ion Ratio Lower Upper

180 100

182 93.6 46.8 140.3

145 7.3 16.0 48.0#



#94

Hexachlorobutadiene

Concen: 0.689 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085595.D

Acq: 31 Jan 2025 12:03

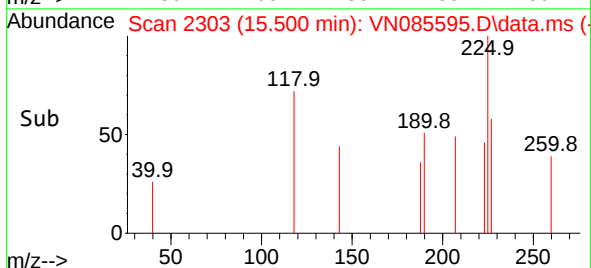
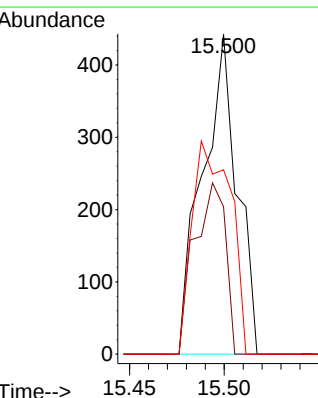
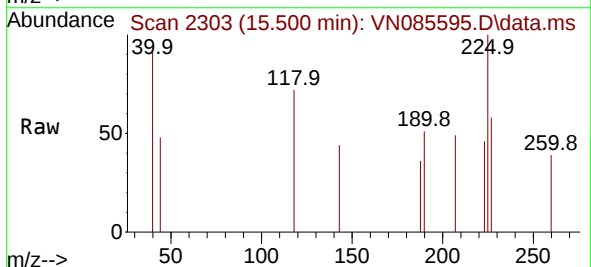
Tgt Ion:225 Resp: 563

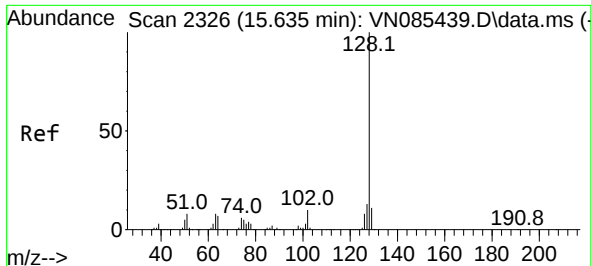
Ion Ratio Lower Upper

225 100

223 47.8 30.7 92.1

227 73.5 30.9 92.5

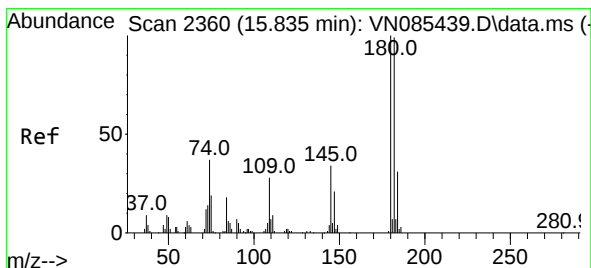
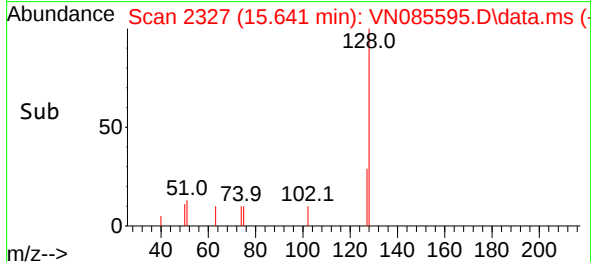
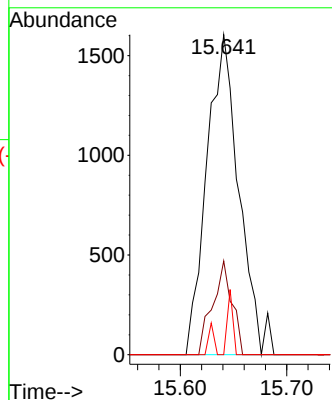
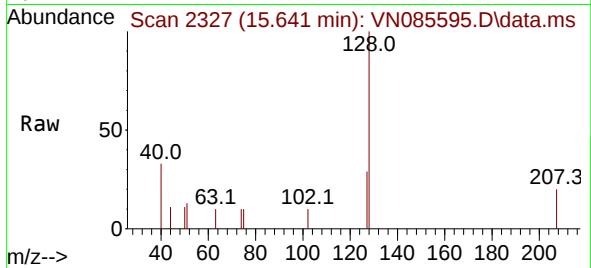




#95
Naphthalene
Concen: 0.733 ug/l
RT: 15.641 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-MW03-012825-00-T3RE

Tgt Ion:128 Resp: 3368
Ion Ratio Lower Upper
128 100
127 17.6 10.6 16.0#
129 3.4 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.629 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085595.D
Acq: 31 Jan 2025 12:03

Tgt Ion:180 Resp: 980
Ion Ratio Lower Upper
180 100
182 91.2 47.4 142.2
145 26.0 16.9 50.7

