

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085986.D
 Acq On : 14 Mar 2025 12:06
 Operator : JC\MD
 Sample : VN0314WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL01

Quant Time: Mar 15 00:00:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

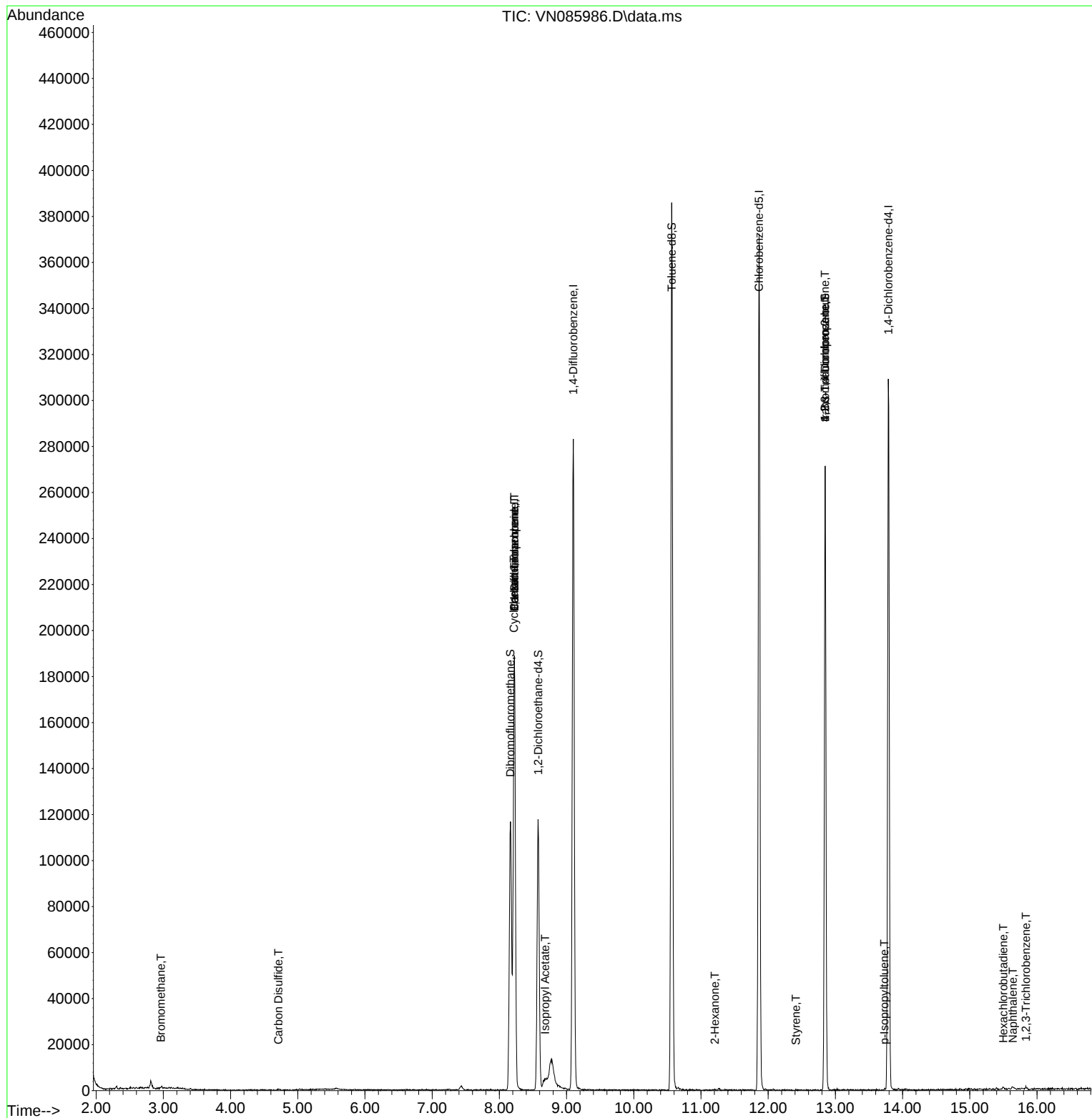
Internal Standards						
1) Pentafluorobenzene	8.224	168	134720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101682	58.217	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.440%
35) Dibromofluoromethane	8.165	113	85145	52.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.280%
50) Toluene-d8	10.565	98	274632	46.225	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.440%
62) 4-Bromofluorobenzene	12.847	95	91419	46.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	513	0.412	ug/l #	57
17) Carbon Disulfide	4.712	76	928	0.212	ug/l #	75
31) Cyclohexane	8.218	56	3111	1.247	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	10510	4.548	ug/l #	49
38) Carbon Tetrachloride	8.224	117	14204	5.173	ug/l #	17
43) Isopropyl Acetate	8.683	43	4284	0.745	ug/l #	53
59) 2-Hexanone	11.206	43	296	0.235	ug/l #	21
70) Styrene	12.412	104	59	0.597	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	46578	23.311	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46578	68.016	ug/l #	13
86) p-Isopropyltoluene	13.729	119	131	0.651	ug/l #	50
94) Hexachlorobutadiene	15.500	225	484	0.557	ug/l #	55
95) Naphthalene	15.641	128	2059	0.525	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.835	180	359	0.250	ug/l #	84

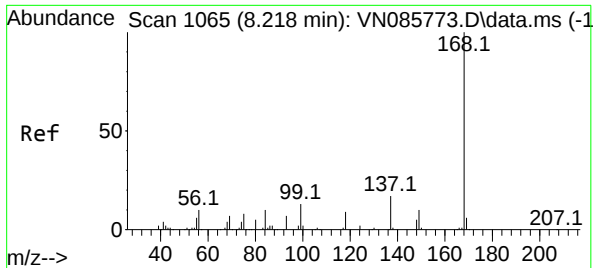
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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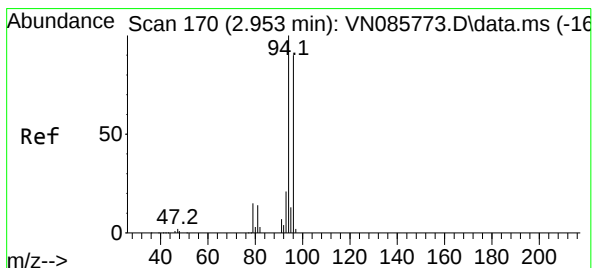
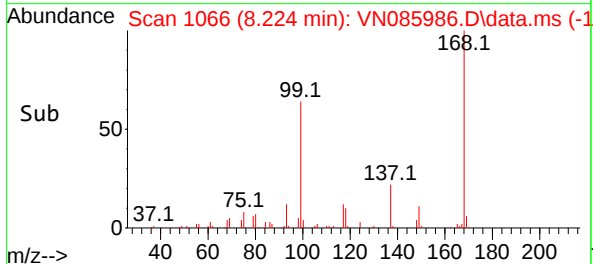
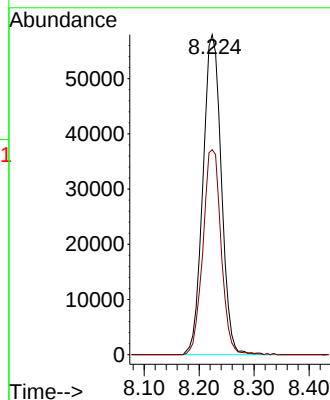
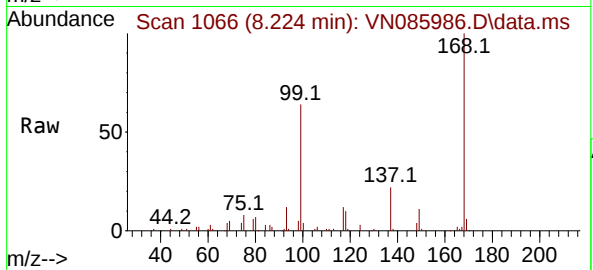




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

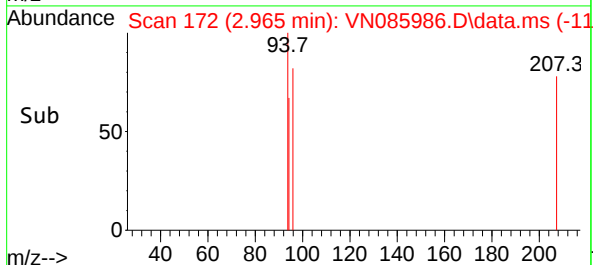
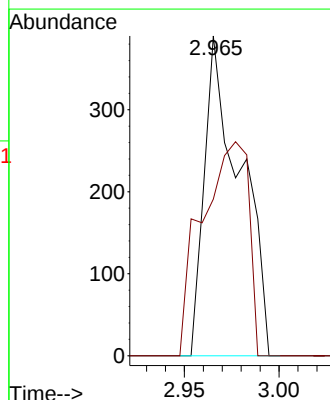
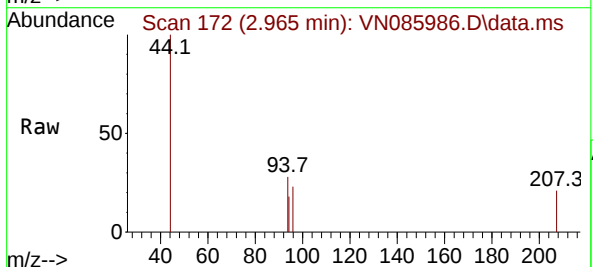
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

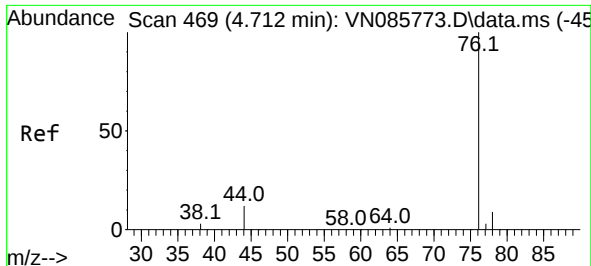
Tgt Ion:168 Resp: 134720
Ion Ratio Lower Upper
168 100
99 64.0 47.9 71.9



#5
Bromomethane
Concen: 0.412 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 49.0 71.7 107.5#

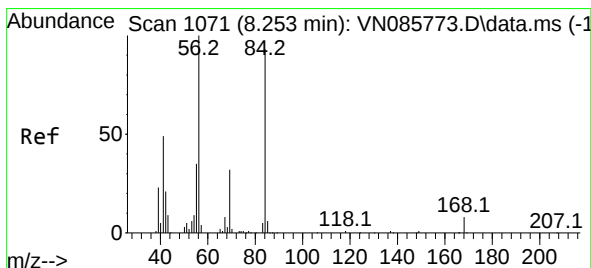
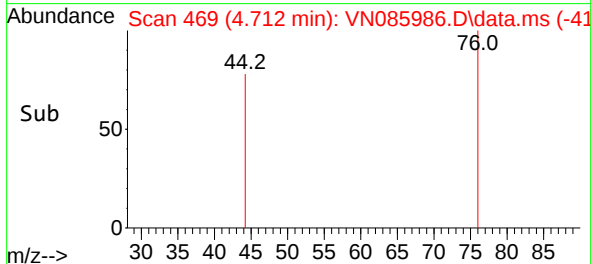
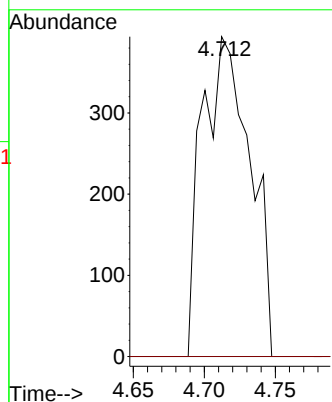
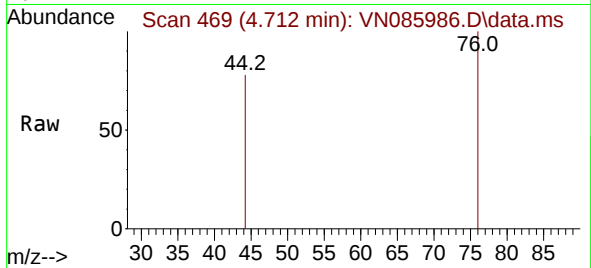




#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

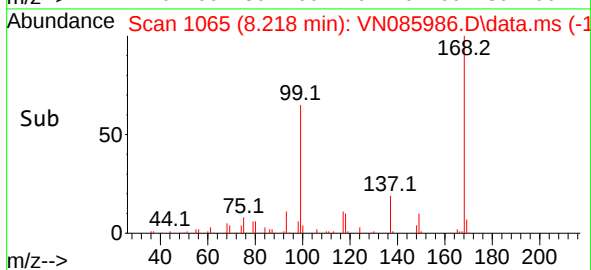
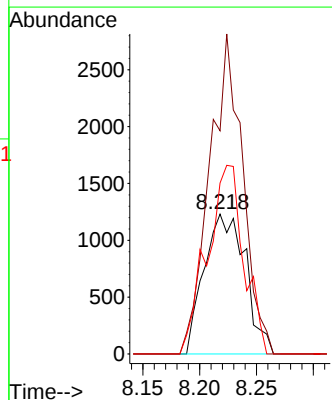
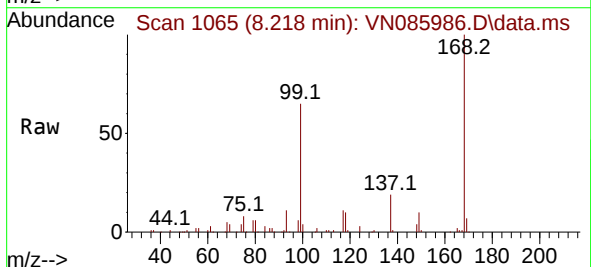
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

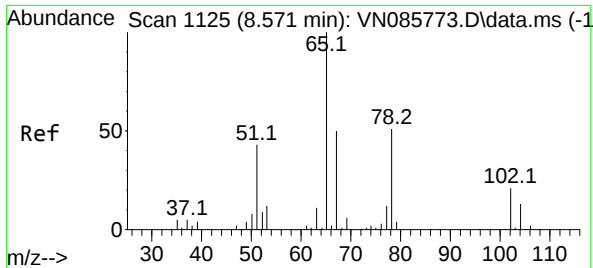
Tgt Ion: 76 Resp: 928
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion: 56 Resp: 3111
Ion Ratio Lower Upper
56 100
69 159.7 25.8 38.6#
84 122.3 74.5 111.7#

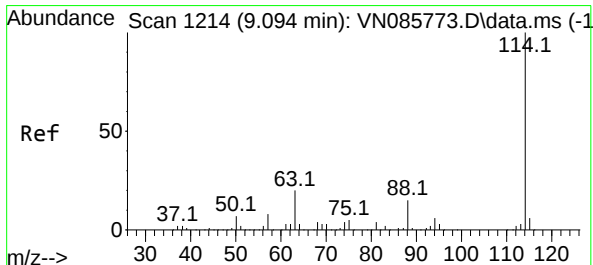
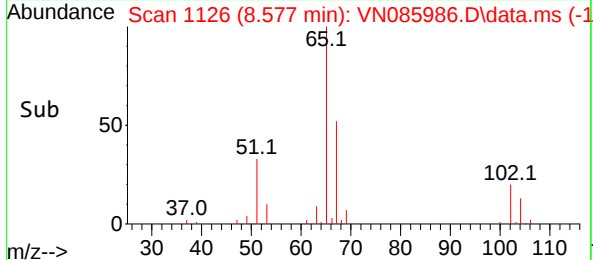
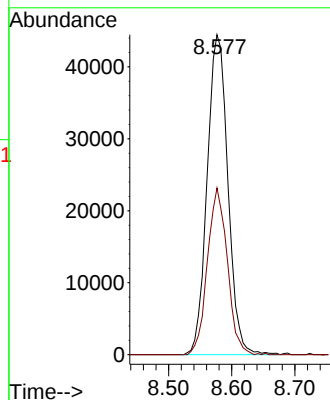
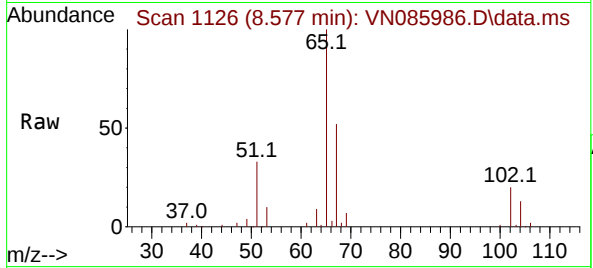




#33
 1,2-Dichloroethane-d4
 Concen: 58.217 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085986.D
 Acq: 14 Mar 2025 12:06

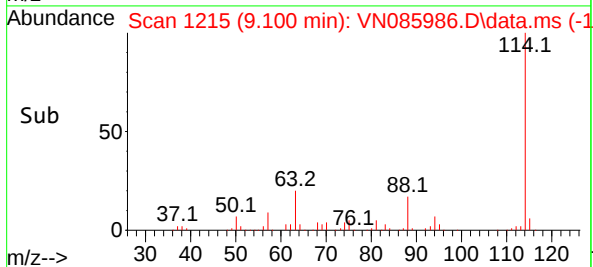
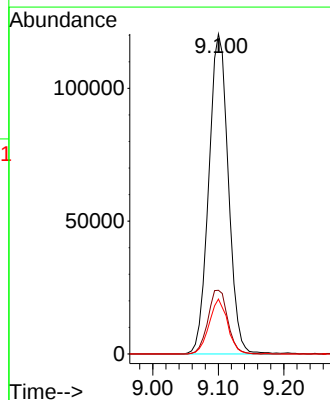
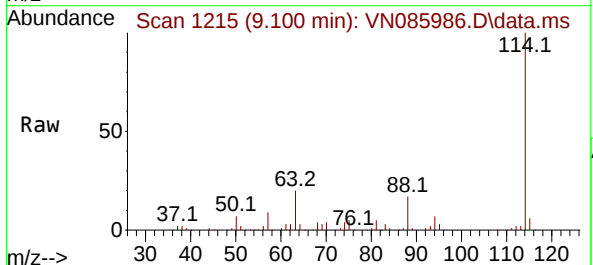
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBL01

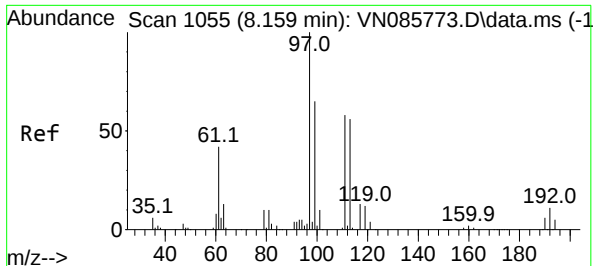
Tgt Ion: 65 Resp: 101682
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085986.D
 Acq: 14 Mar 2025 12:06

Tgt Ion: 114 Resp: 249554
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.2
 88 17.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.141 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085986.D

Acq: 14 Mar 2025 12:06

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBL01

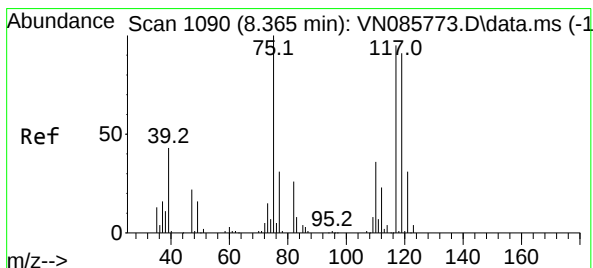
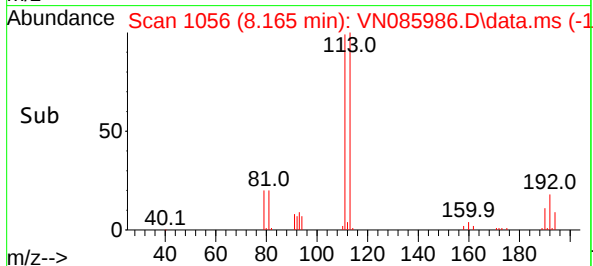
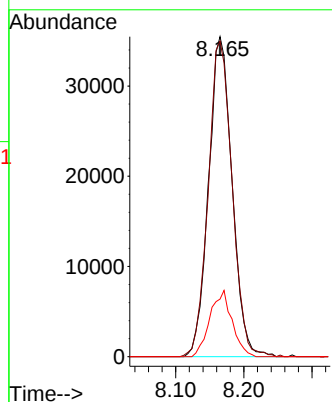
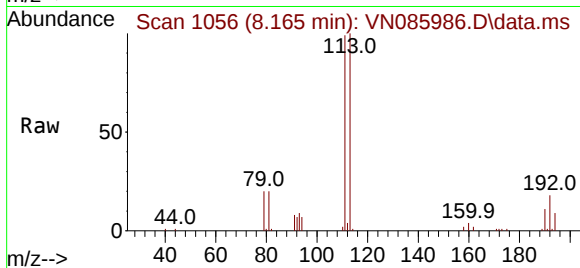
Tgt Ion:113 Resp: 85145

Ion Ratio Lower Upper

113 100

111 100.0 82.2 123.4

192 19.5 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.548 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085986.D

Acq: 14 Mar 2025 12:06

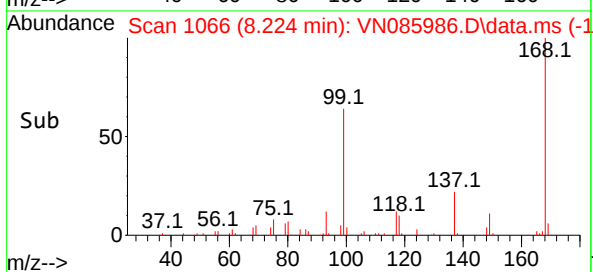
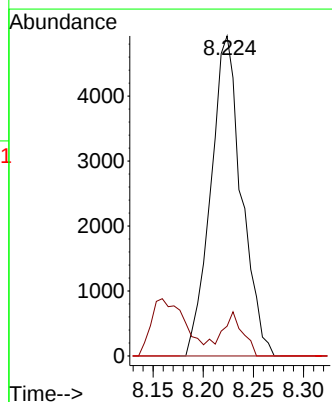
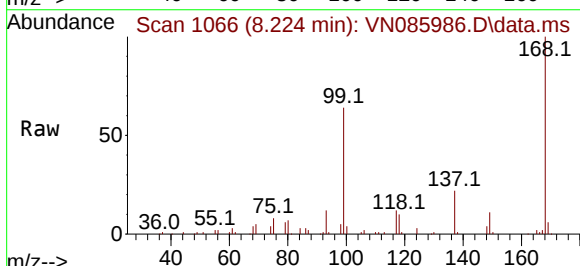
Tgt Ion: 75 Resp: 10510

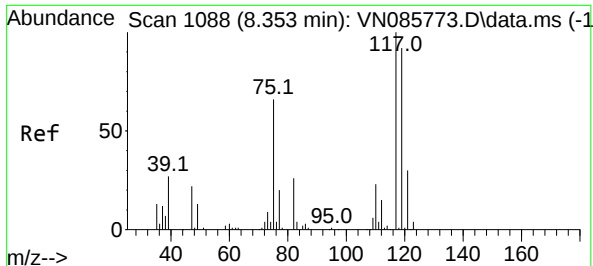
Ion Ratio Lower Upper

75 100

110 8.4 17.3 52.0#

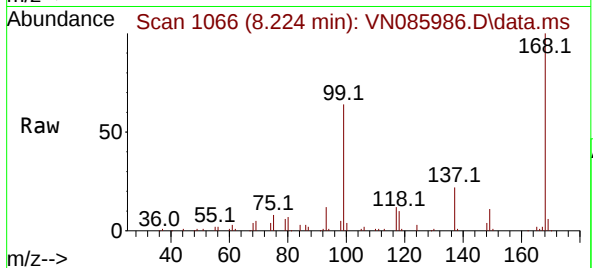
77 0.0 24.6 37.0#



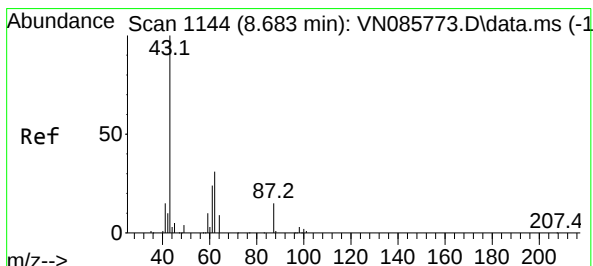
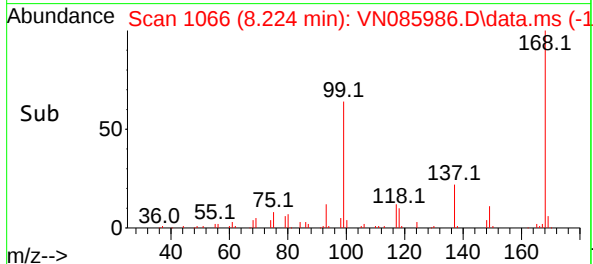
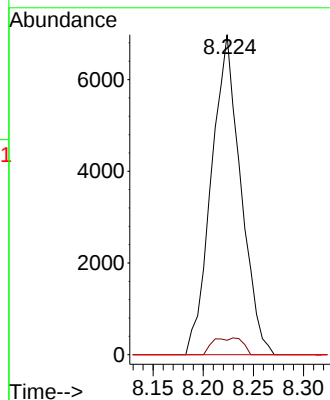


#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

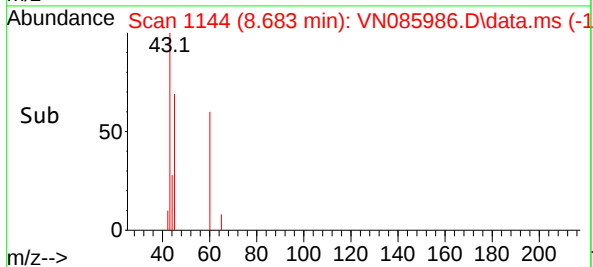
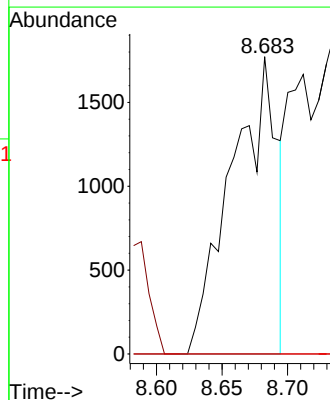
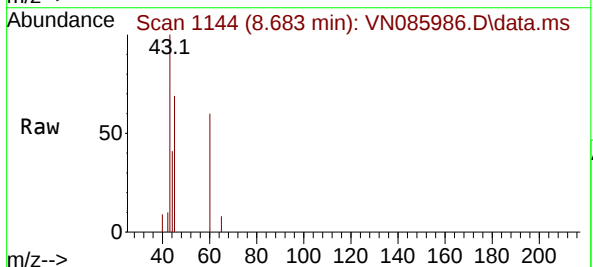


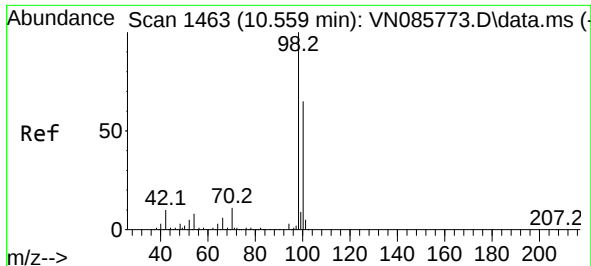
Tgt Ion:117 Resp: 14204
Ion Ratio Lower Upper
117 100
119 4.5 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.745 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion: 43 Resp: 4284
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

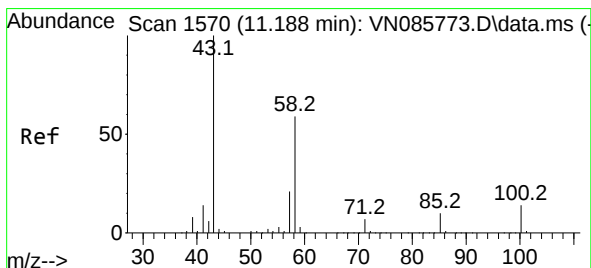
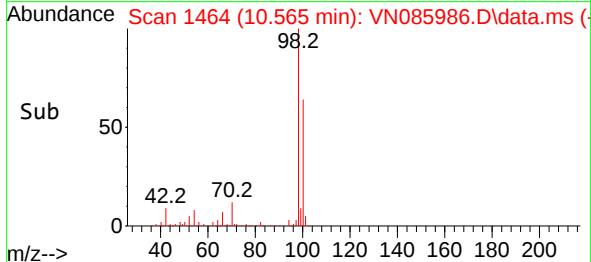
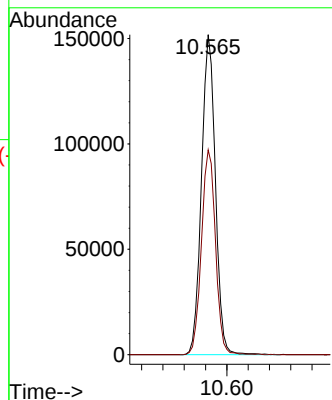
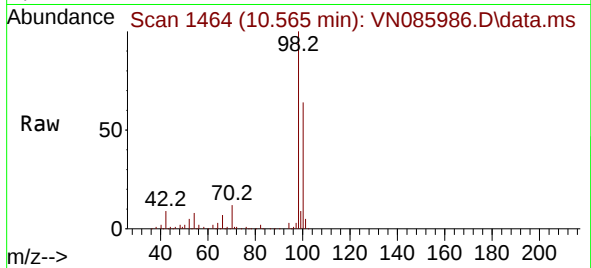




#50
Toluene-d8
Concen: 46.225 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

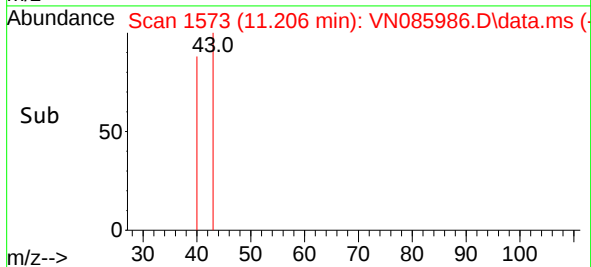
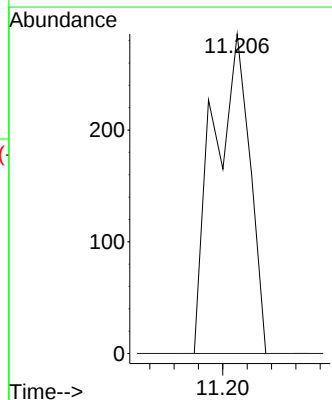
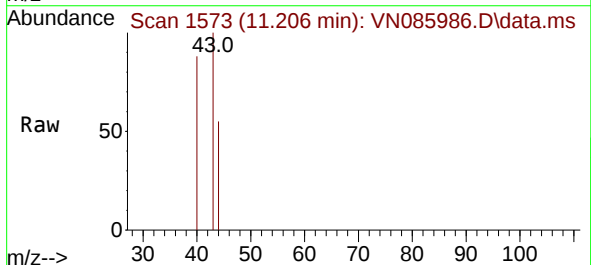
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ClientSampleId :
VN0314WBL01

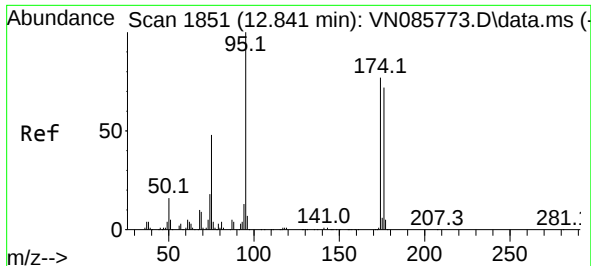
Tgt Ion: 98 Resp: 274632
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#59
2-Hexanone
Concen: 0.235 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.018 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

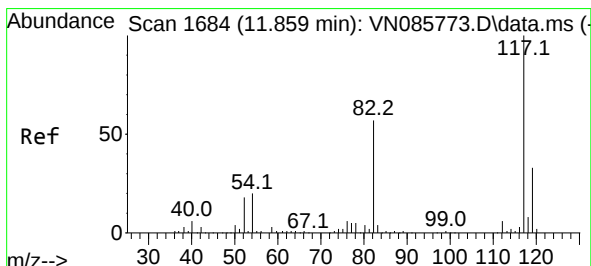
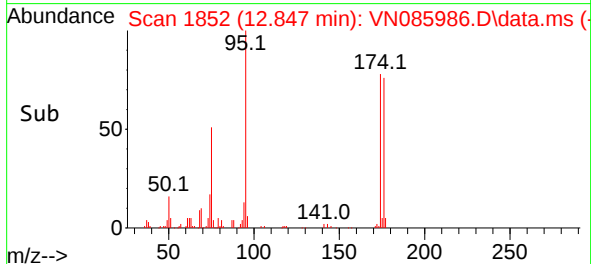
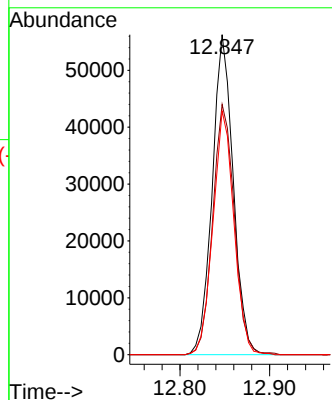
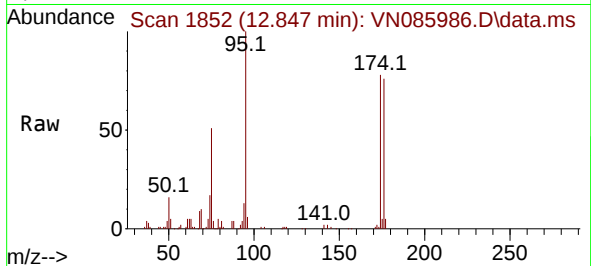




#62
4-Bromofluorobenzene
Concen: 46.702 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

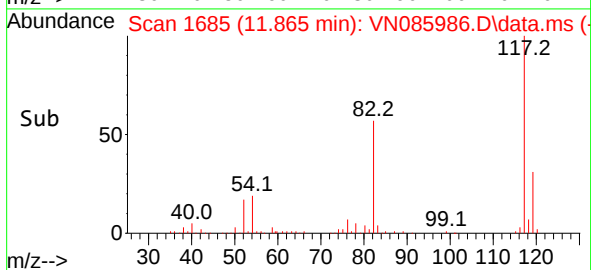
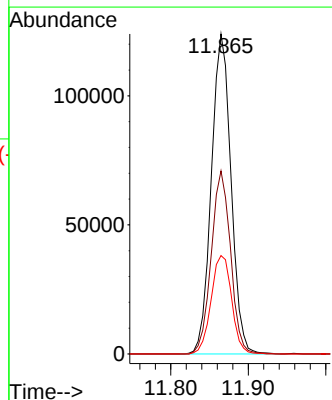
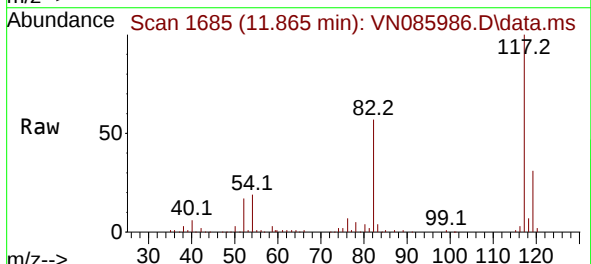
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

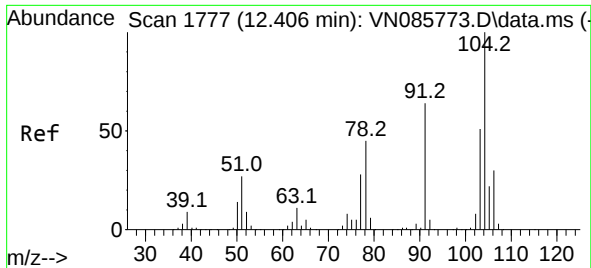
Tgt Ion: 95	Resp: 91419
Ion Ratio	Lower Upper
95 100	
174 80.7	0.0 152.4
176 76.3	0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion: 117	Resp: 218458
Ion Ratio	Lower Upper
117 100	
82 57.2	45.7 68.5
119 30.8	26.2 39.2

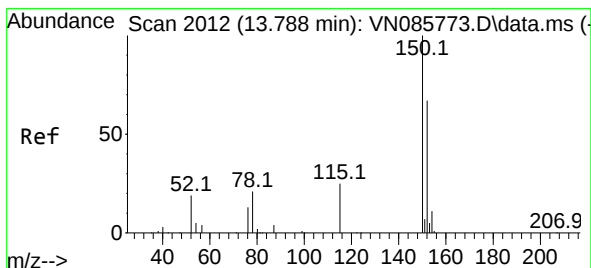
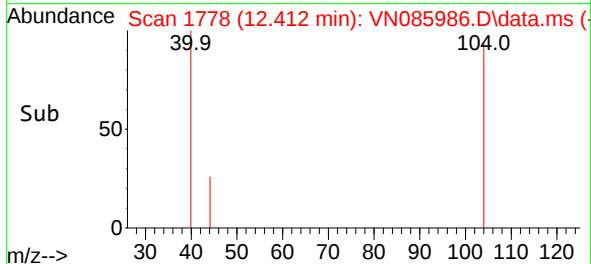
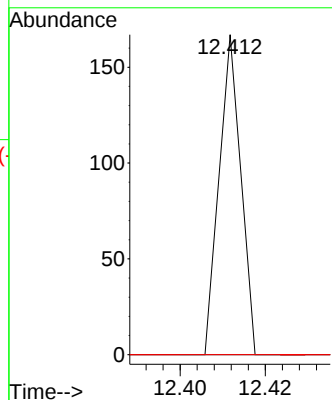
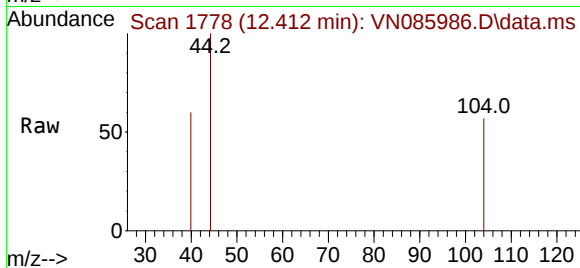




#70
Styrene
Concen: 0.597 ug/l
RT: 12.412 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

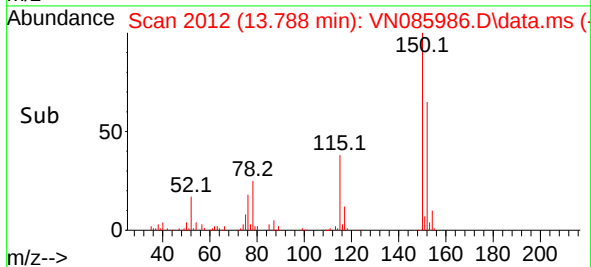
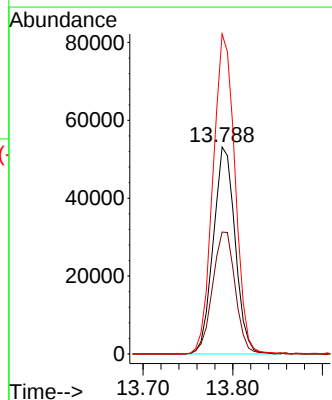
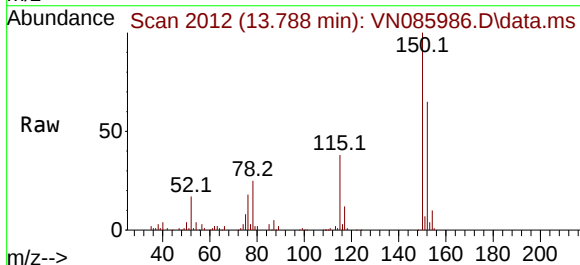
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

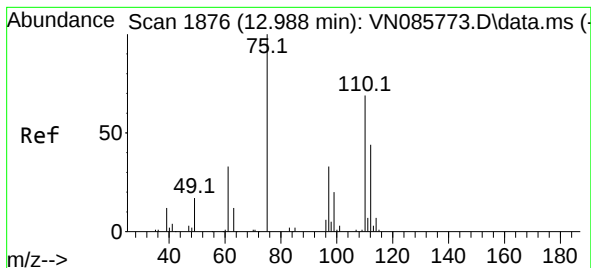
Tgt Ion:104 Resp: 59
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion:152 Resp: 89951
Ion Ratio Lower Upper
152 100
115 61.2 30.4 91.3
150 156.0 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 23.311 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085986.D

Acq: 14 Mar 2025 12:06

Instrument :

MSVOA_N

ClientSampleId :

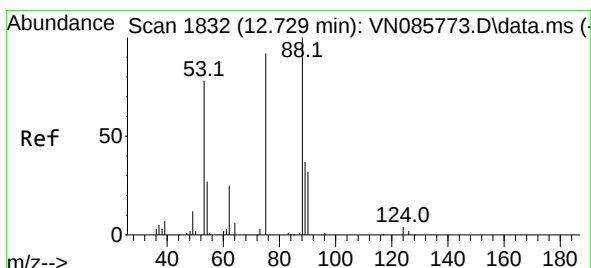
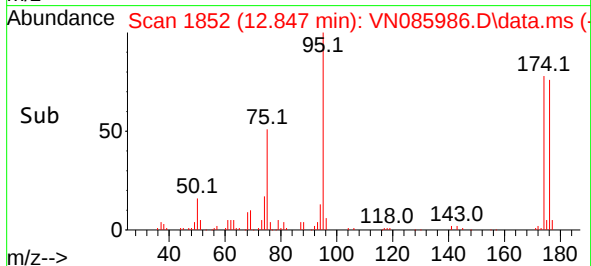
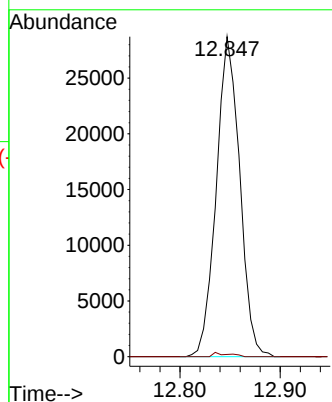
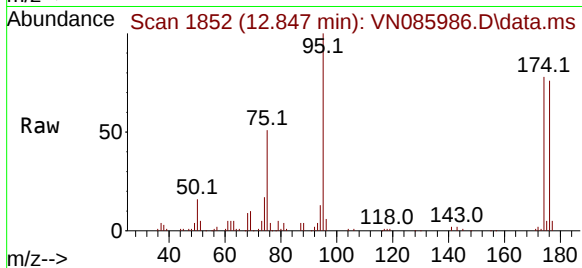
VN0314WBL01

Tgt Ion: 75 Resp: 46578

Ion Ratio Lower Upper

75 100

77 0.9 100.0 300.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.016 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.118 min

Lab File: VN085986.D

Acq: 14 Mar 2025 12:06

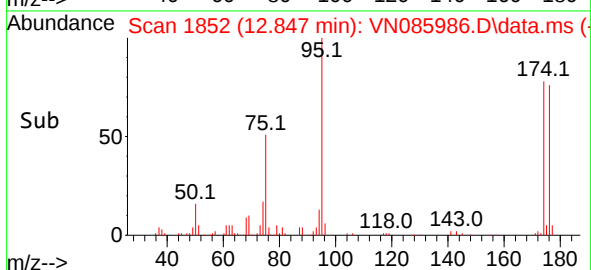
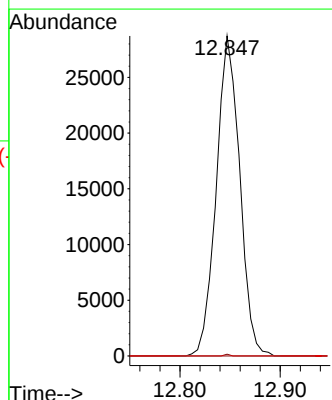
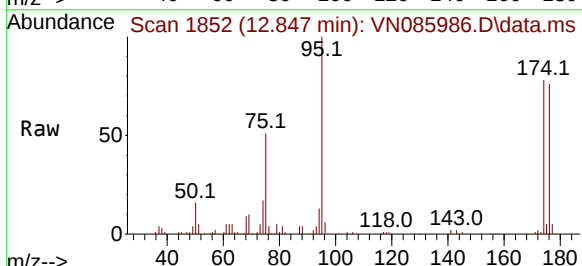
Tgt Ion: 75 Resp: 46578

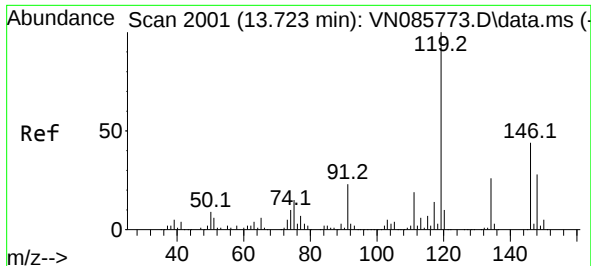
Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.4#

89 0.0 34.9 52.3#

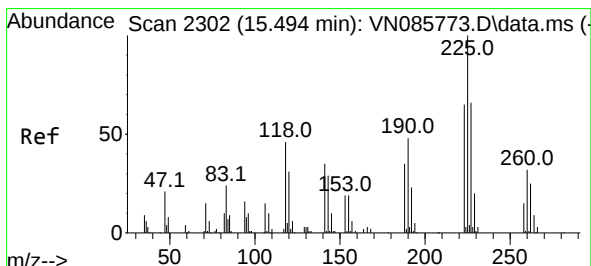
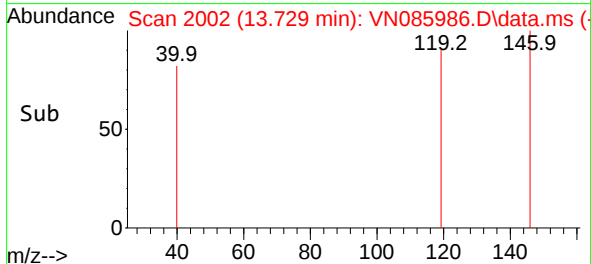
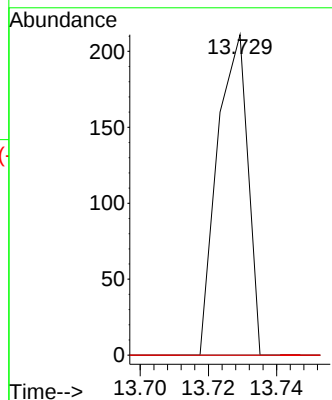
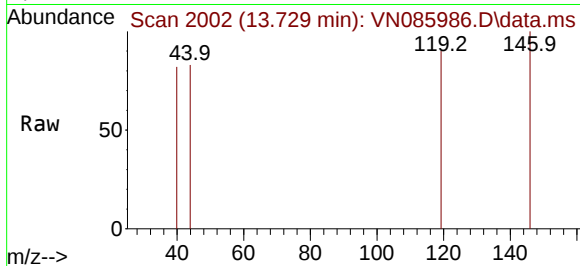




#86
p-Isopropyltoluene
Concen: 0.651 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

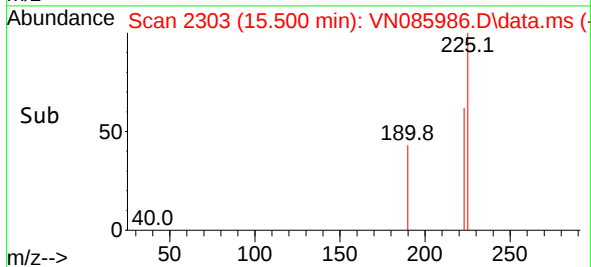
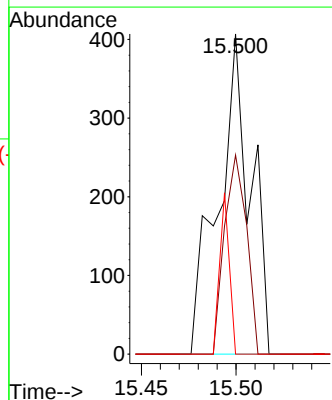
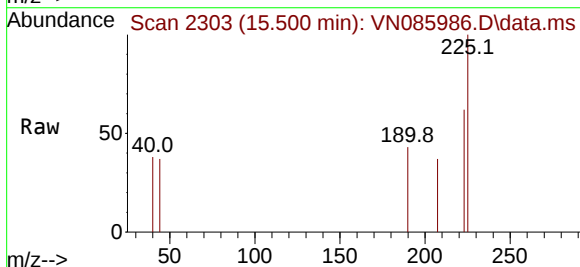
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

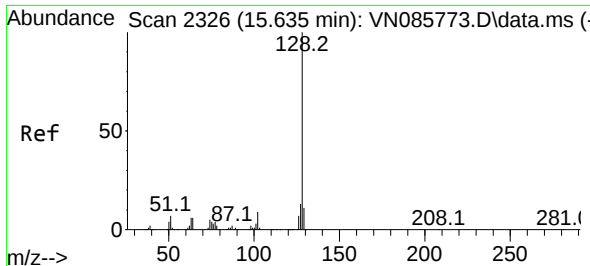
Tgt Ion:119 Resp: 131
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#



#94
Hexachlorobutadiene
Concen: 0.557 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion:225 Resp: 484
Ion Ratio Lower Upper
225 100
223 42.4 31.9 95.5
227 14.9 32.2 96.6#

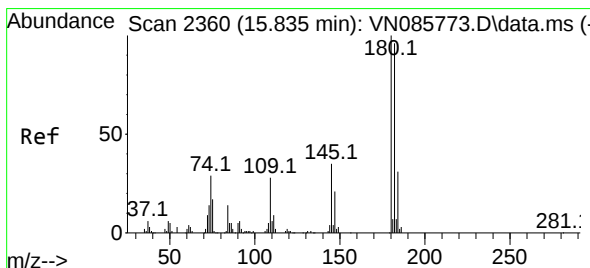
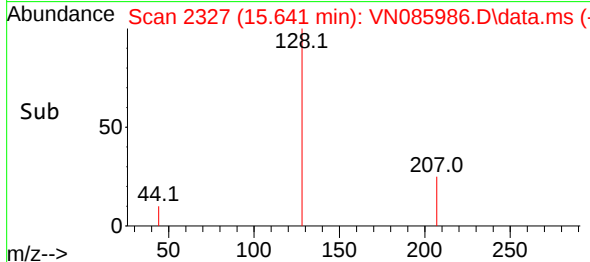
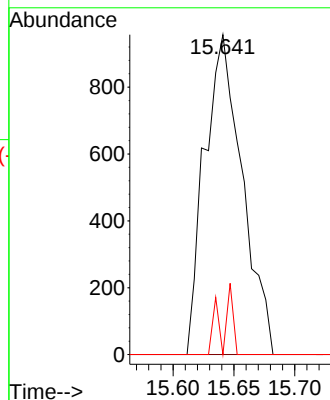
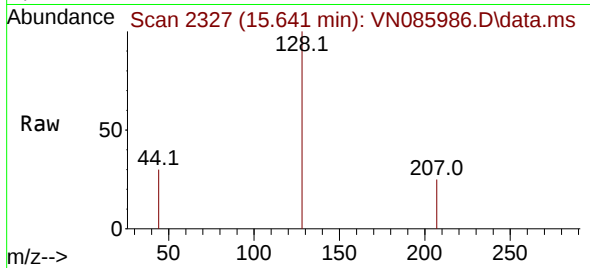




#95
Naphthalene
Concen: 0.525 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBL01

Tgt Ion:128 Resp: 2059
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 2.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.250 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085986.D
Acq: 14 Mar 2025 12:06

Tgt Ion:180 Resp: 359
Ion Ratio Lower Upper
180 100
182 93.9 47.3 141.8
145 0.0 16.9 50.6#

