

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085693.D
 Acq On : 07 Feb 2025 13:02
 Operator : JC\MD
 Sample : VN0207MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207MBL01

Quant Time: Feb 07 22:29:14 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)

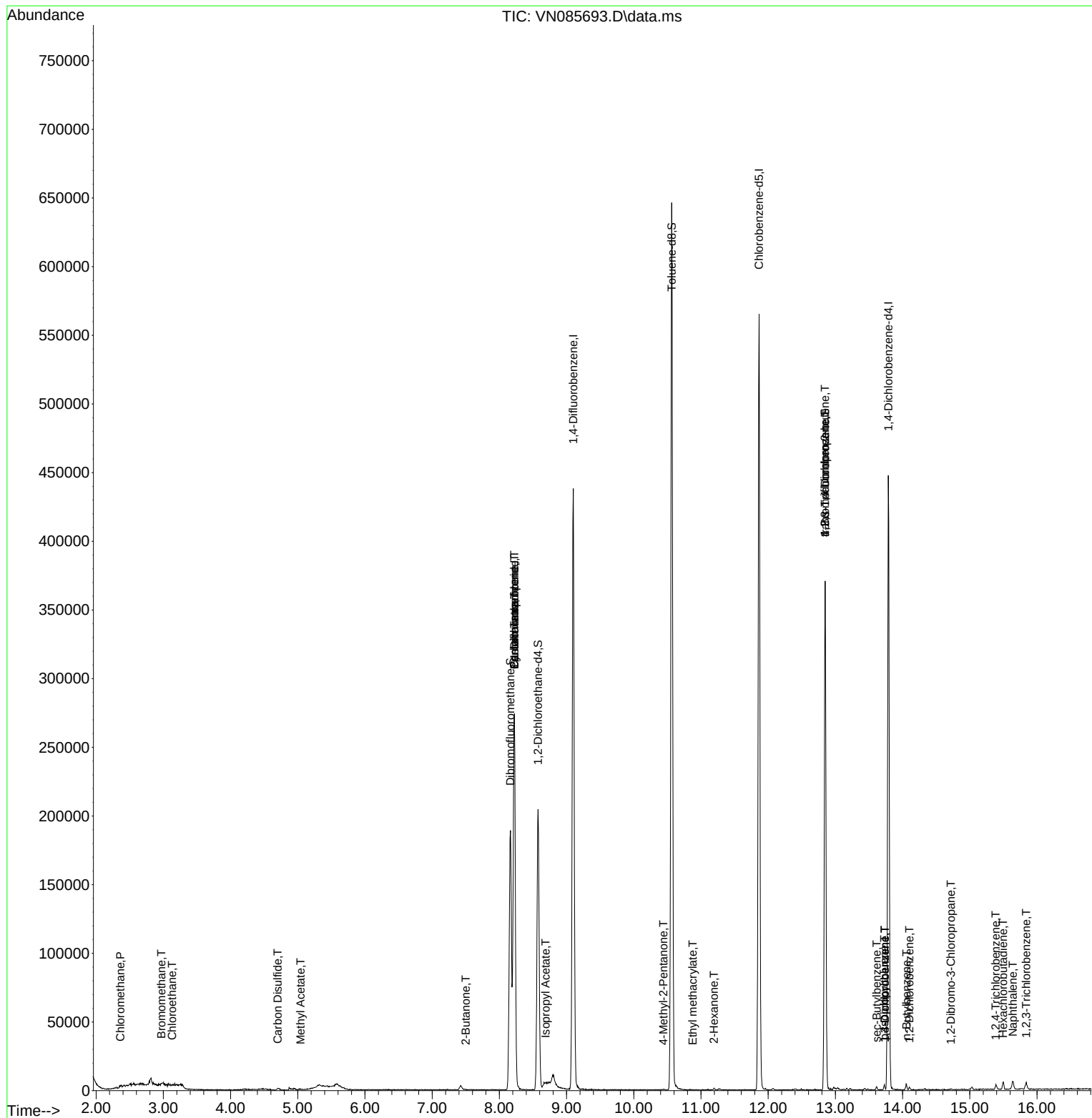
Internal Standards						
1) Pentafluorobenzene	8.224	168	194349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	369848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	168569	53.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.460%			
35) Dibromofluoromethane	8.165	113	136350	53.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.280%			
50) Toluene-d8	10.565	98	453575	49.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.847	95	124748	40.003	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 80.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1044	0.366	ug/l	90
5) Bromomethane	2.971	94	989	0.572	ug/l #	71
6) Chloroethane	3.130	64	528	0.291	ug/l #	44
17) Carbon Disulfide	4.700	76	2902	0.452	ug/l #	76
18) Methyl Acetate	5.042	43	984	0.319	ug/l #	64
25) 2-Butanone	7.500	43	340	0.228	ug/l #	50
31) Cyclohexane	8.224	56	4904	1.232	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	16941	4.704	ug/l #	49
38) Carbon Tetrachloride	8.224	117	20740	5.031	ug/l #	20
43) Isopropyl Acetate	8.688	43	7846	1.347	ug/l #	55
51) 4-Methyl-2-Pentanone	10.441	43	730	0.216	ug/l #	37
56) Ethyl methacrylate	10.876	69	73	1.948	ug/l #	23
59) 2-Hexanone	11.194	43	1132	0.476	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	66812	27.697	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66812	74.937	ug/l #	3
85) sec-Butylbenzene	13.617	105	1926	0.250	ug/l	82
86) p-Isopropyltoluene	13.729	119	1167	0.215	ug/l	89
87) 1,3-Dichlorobenzene	13.735	146	1040	0.270	ug/l	85
88) 1,4-Dichlorobenzene	13.735	146	1040	0.260	ug/l	85
89) n-Butylbenzene	14.059	91	2713	0.491	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	985	0.256	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.717	75	115	0.223	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.388	180	1647	0.922	ug/l	84
94) Hexachlorobutadiene	15.494	225	1409	1.485	ug/l	87
95) Naphthalene	15.641	128	6959	1.305	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	2193	1.213	ug/l #	91

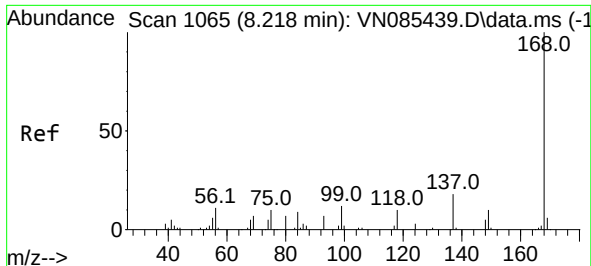
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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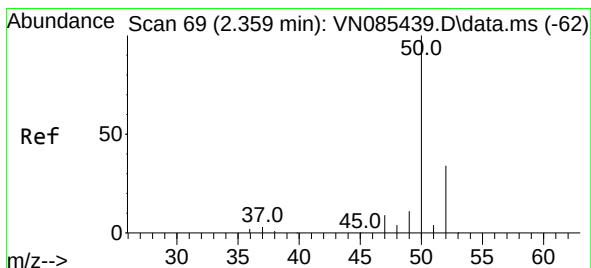
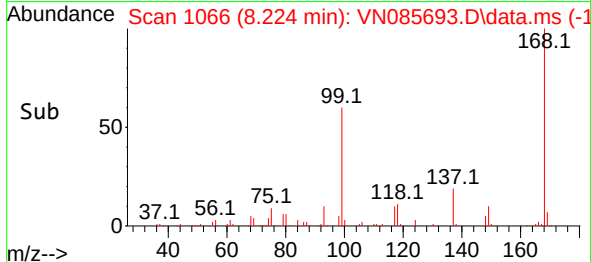
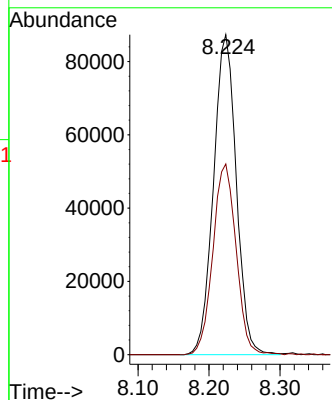
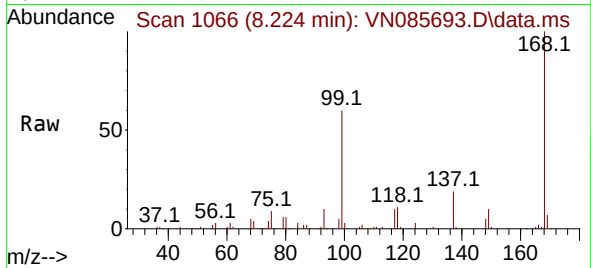




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

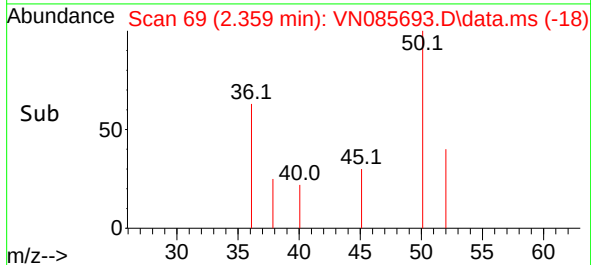
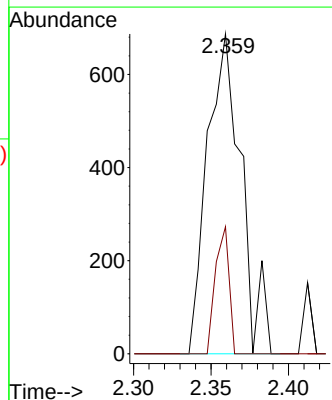
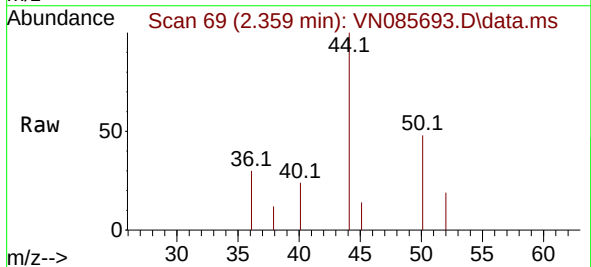
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

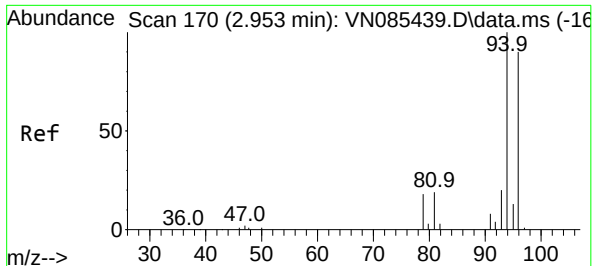
Tgt Ion:168 Resp: 194349
Ion Ratio Lower Upper
168 100
99 59.6 53.6 80.4



#3
Chloromethane
Concen: 0.366 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 50 Resp: 1044
Ion Ratio Lower Upper
50 100
52 39.7 27.0 40.6

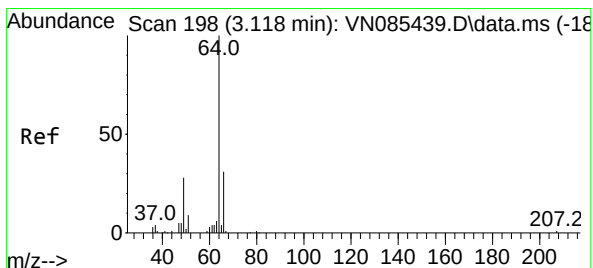
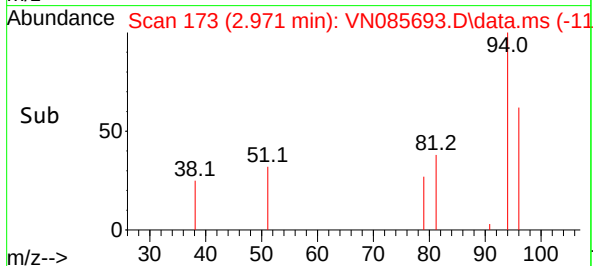
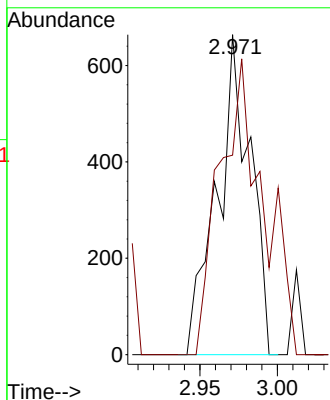
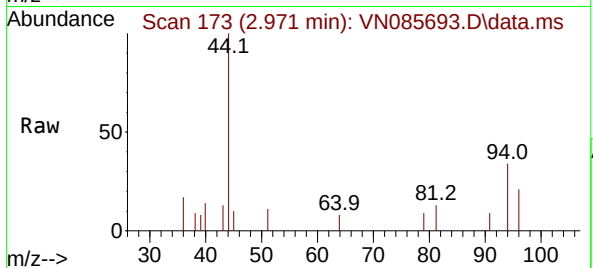




#5
Bromomethane
Concen: 0.572 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

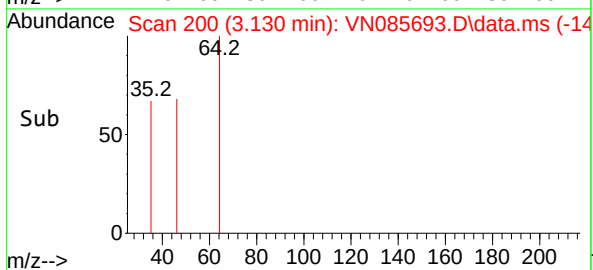
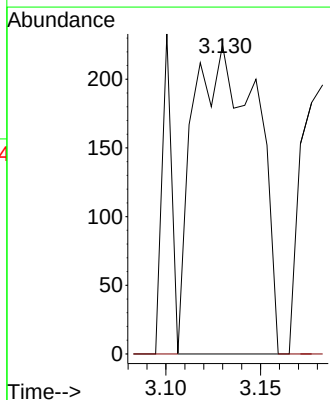
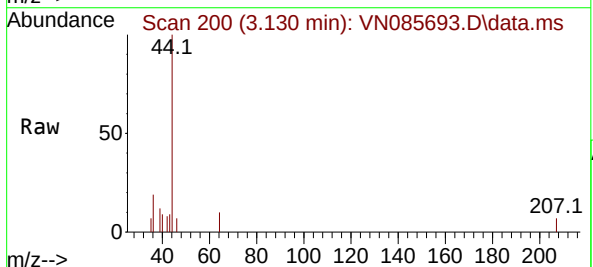
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

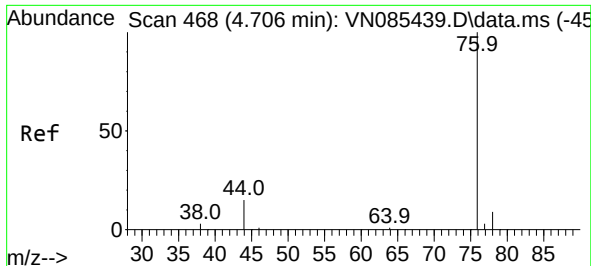
Tgt Ion: 94 Resp: 989
Ion Ratio Lower Upper
94 100
96 62.3 71.8 107.6#



#6
Chloroethane
Concen: 0.291 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 64 Resp: 528
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

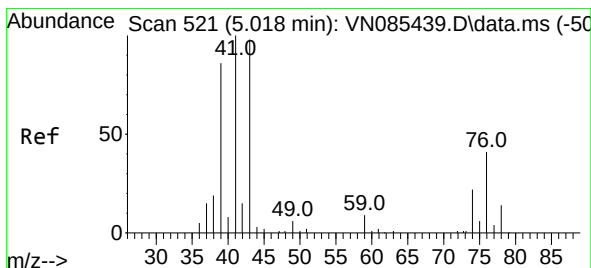
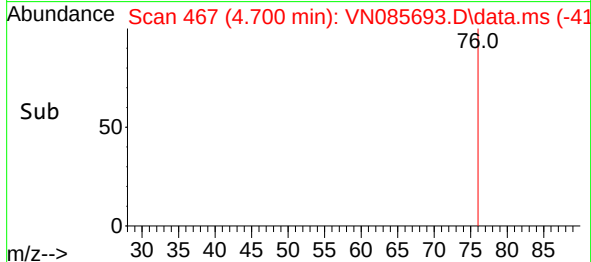
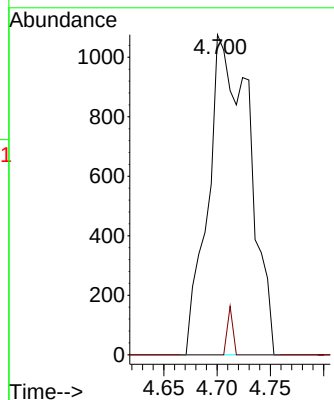
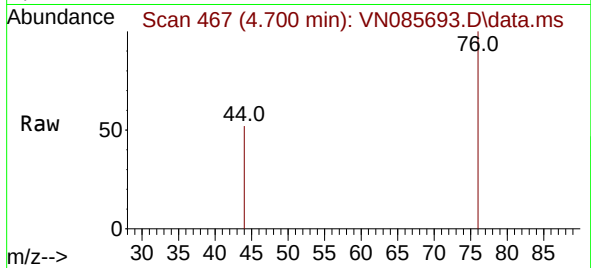




#17
Carbon Disulfide
Concen: 0.452 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

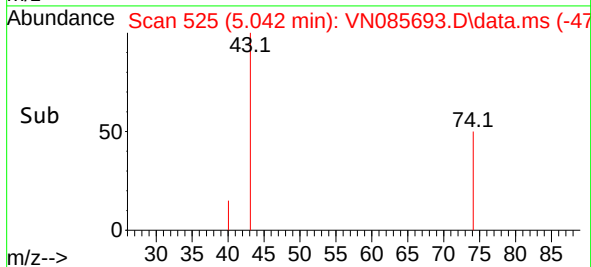
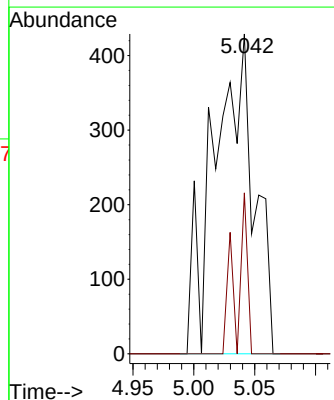
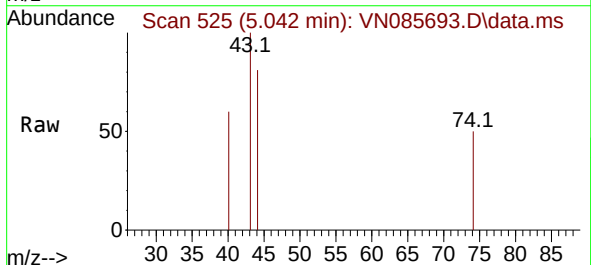
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

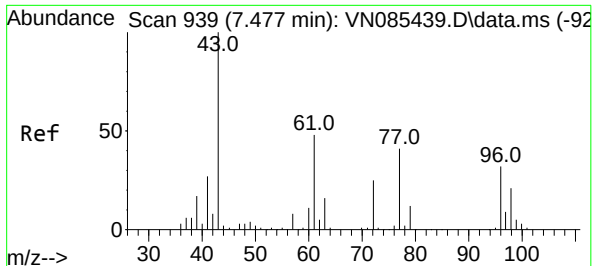
Tgt Ion: 76 Resp: 2902
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#18
Methyl Acetate
Concen: 0.319 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
74 5.8 18.6 28.0#

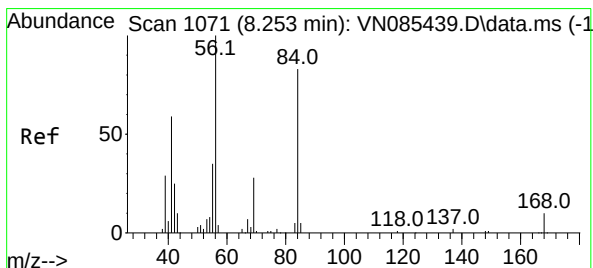
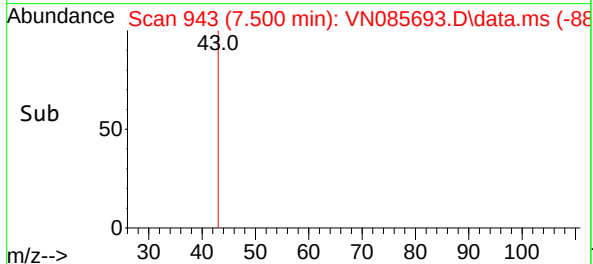
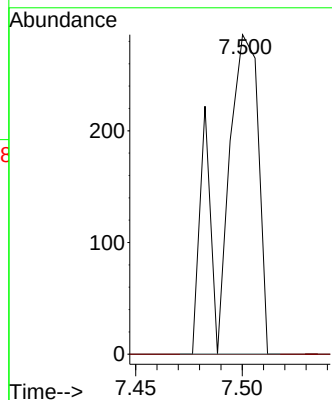
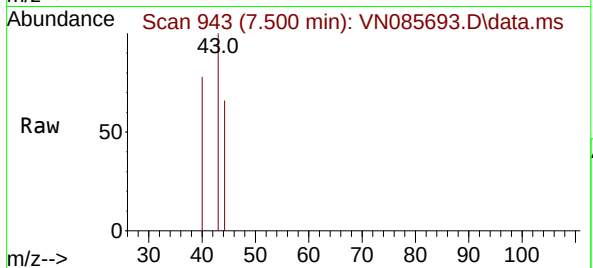




#25
2-Butanone
Concen: 0.228 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.023 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

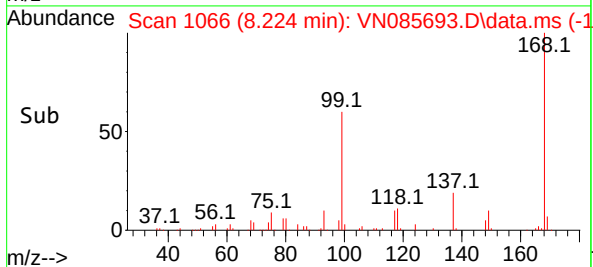
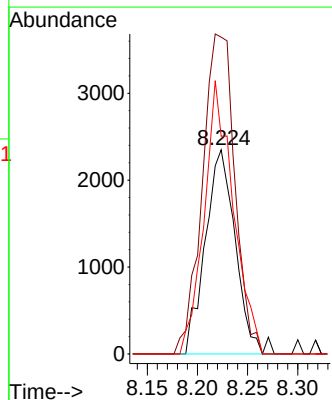
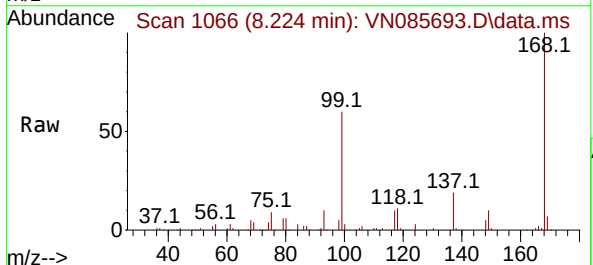
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

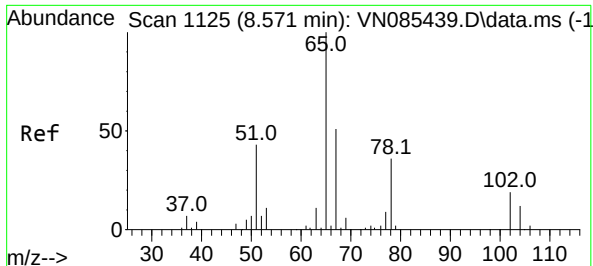
Tgt Ion: 43 Resp: 340
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 56 Resp: 4904
Ion Ratio Lower Upper
56 100
69 155.1 22.2 33.4#
84 106.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 53.732 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

Instrument :

MSVOA_N

ClientSampleId :

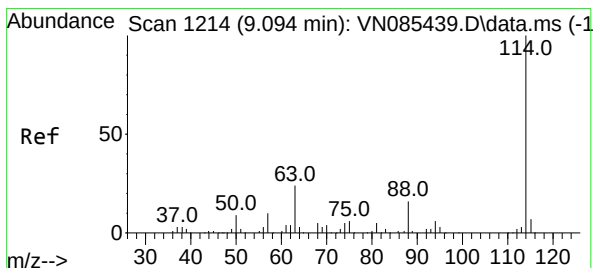
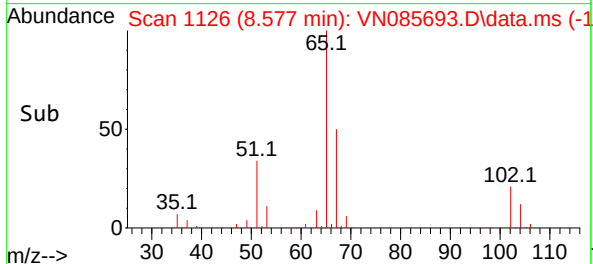
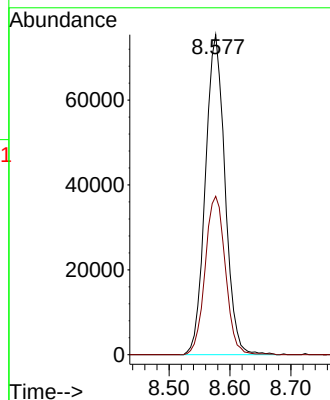
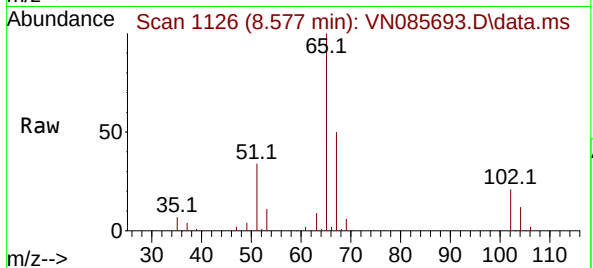
VN0207MBL01

Tgt Ion: 65 Resp: 168569

Ion Ratio Lower Upper

65 100

67 51.2 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: VN085693.D

Acq: 07 Feb 2025 13:02

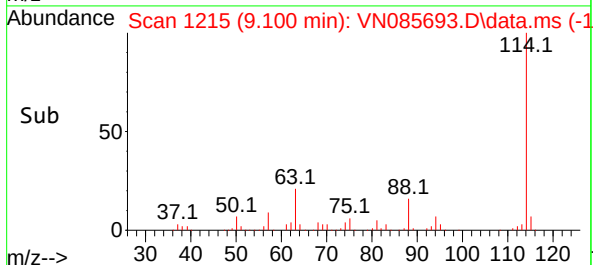
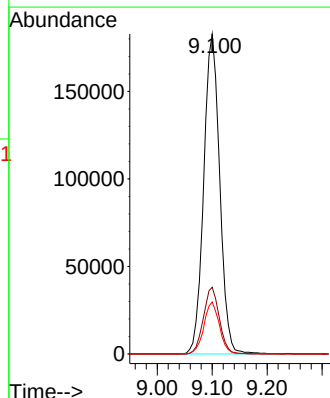
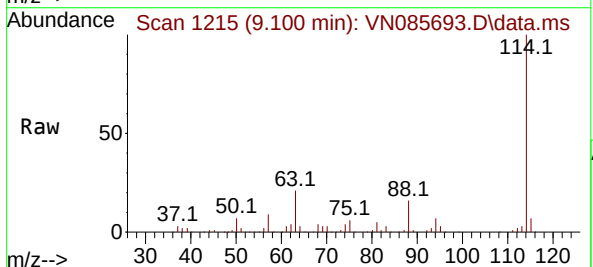
Tgt Ion: 114 Resp: 369848

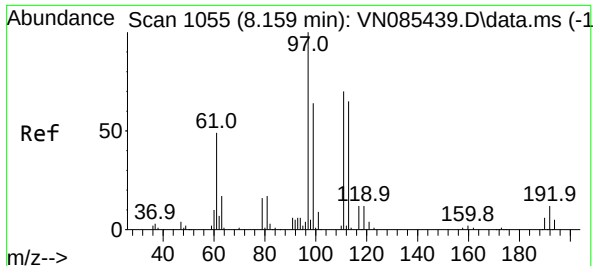
Ion Ratio Lower Upper

114 100

63 20.9 0.0 47.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.141 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

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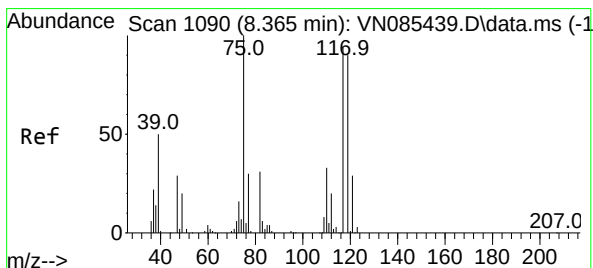
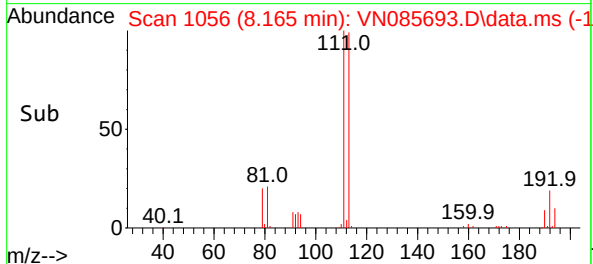
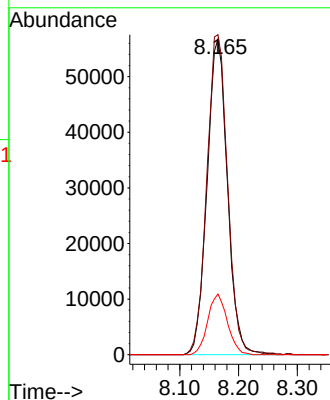
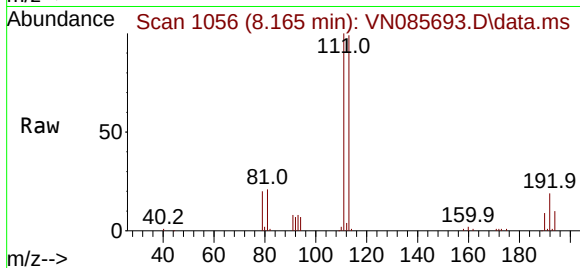
Tgt Ion:113 Resp: 136350

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 18.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.704 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

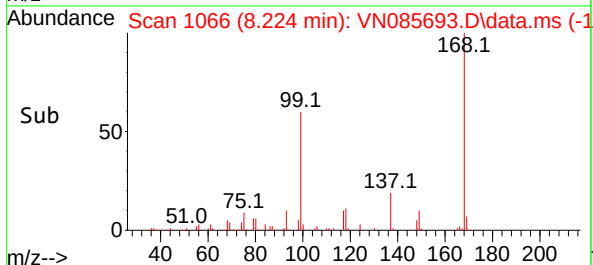
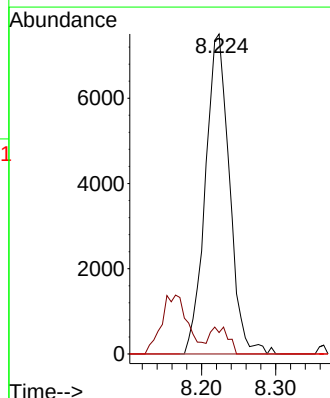
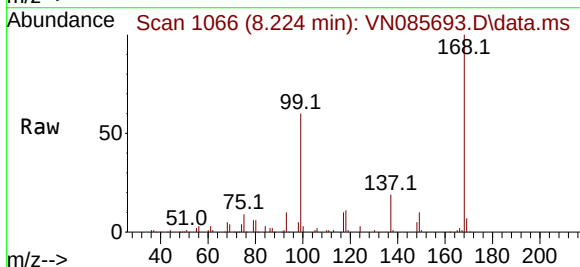
Tgt Ion: 75 Resp: 16941

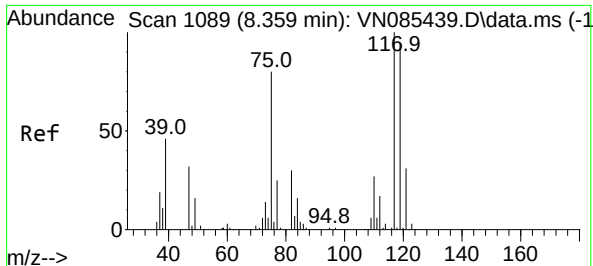
Ion Ratio Lower Upper

75 100

110 6.2 16.5 49.5#

77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.031 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN085693.D

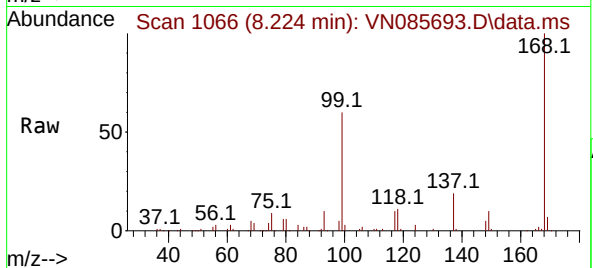
Acq: 07 Feb 2025 13:02

Instrument :

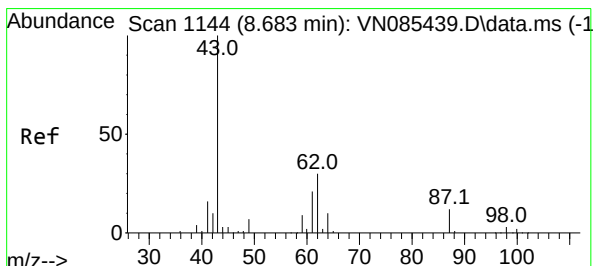
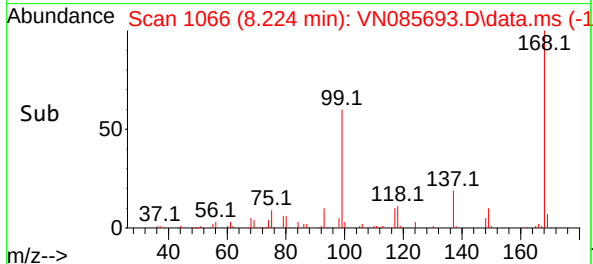
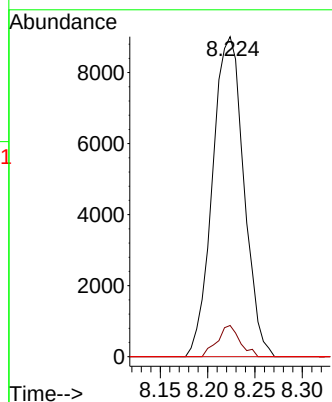
MSVOA_N

ClientSampleId :

VN0207MBL01



Tgt Ion:	117	Resp:	20740
Ion	Ratio	Lower	Upper
117	100		
119	9.7	75.4	113.2#
121	0.0	24.6	37.0#



#43

Isopropyl Acetate

Concen: 1.347 ug/l

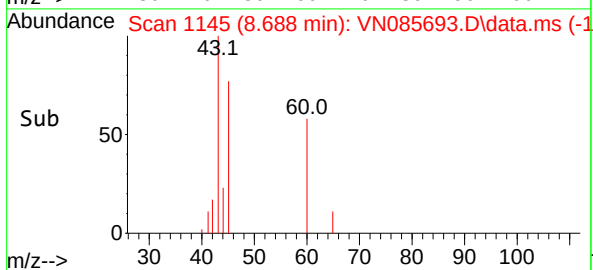
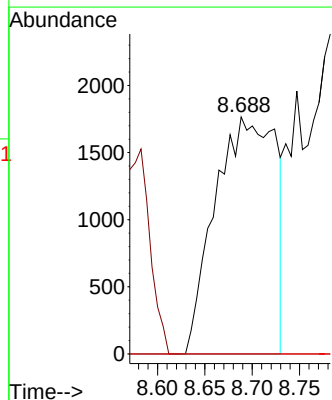
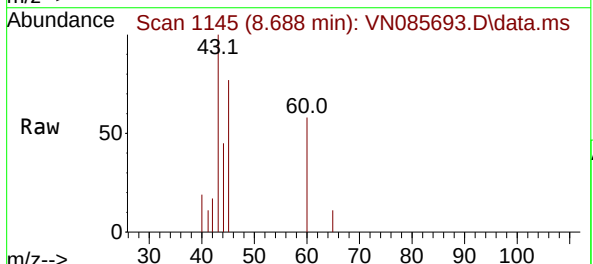
RT: 8.688 min Scan# 1145

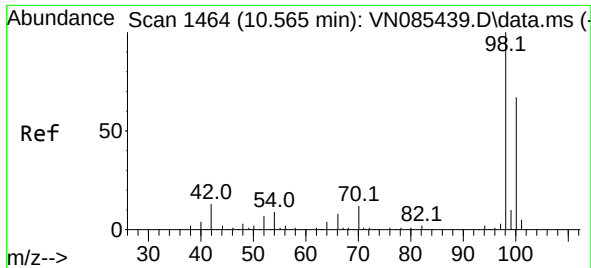
Delta R.T. 0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

Tgt Ion:	43	Resp:	7846
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.7	31.1#
87	0.0	9.8	14.8#

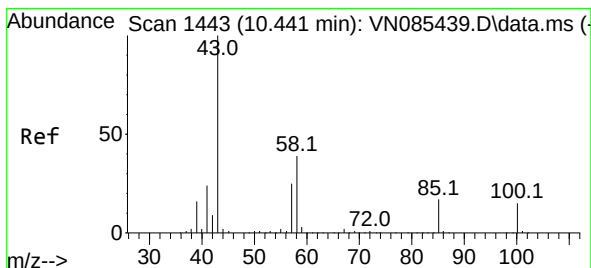
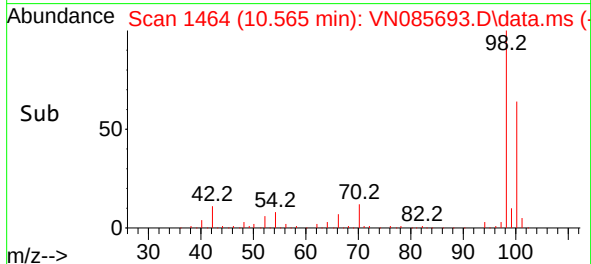
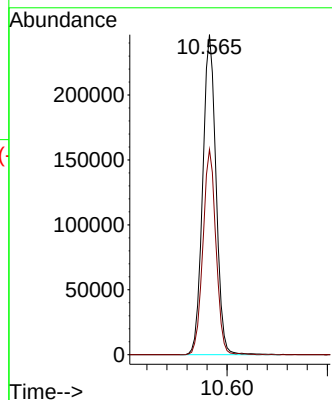
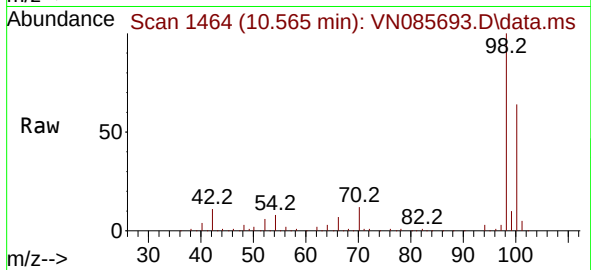




#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

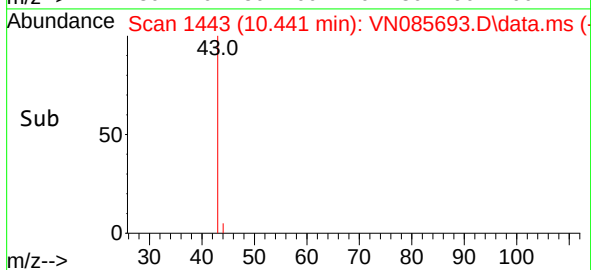
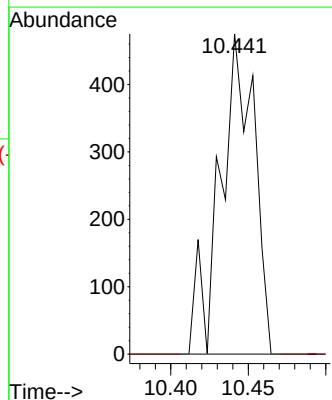
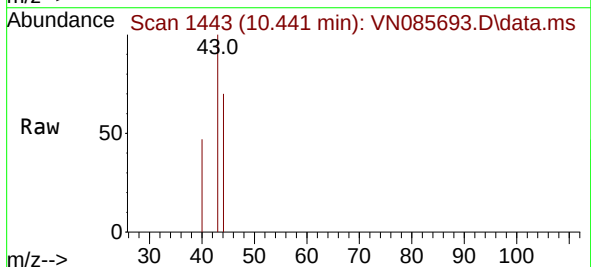
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

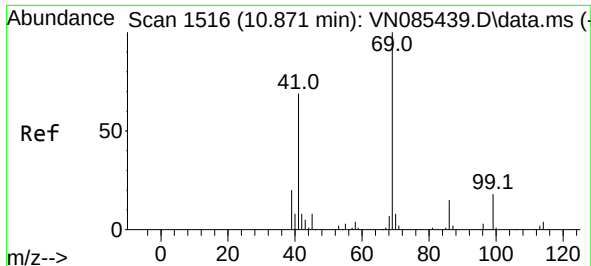
Tgt Ion: 98 Resp: 453575
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.216 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

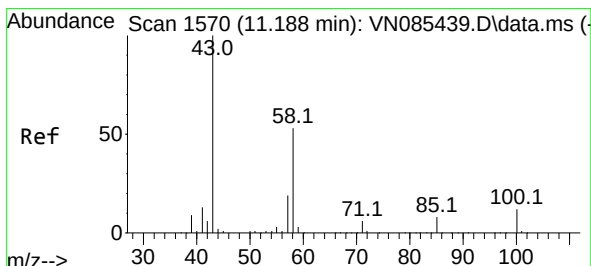
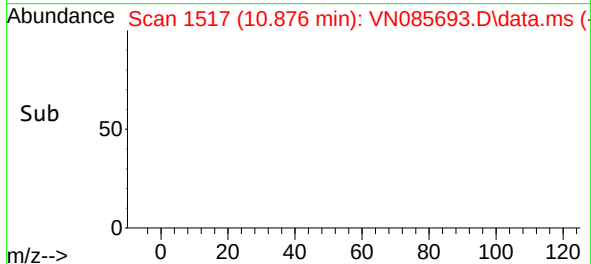
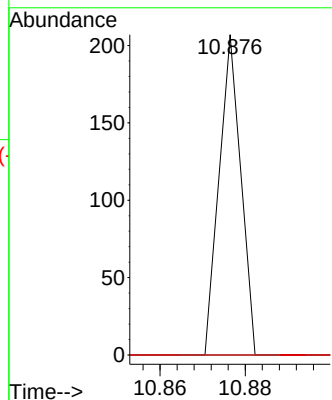
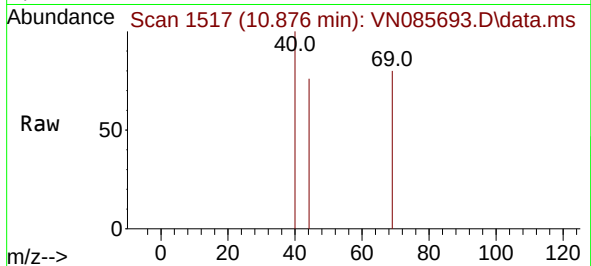




#56
Ethyl methacrylate
Concen: 1.948 ug/l
RT: 10.876 min Scan# 1516
Delta R.T. 0.005 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

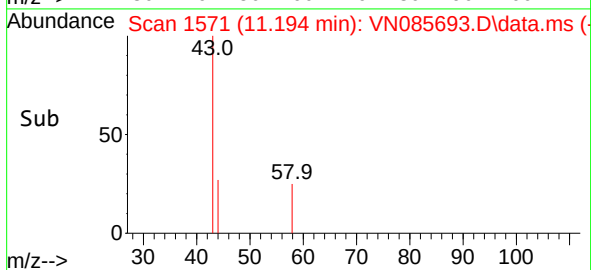
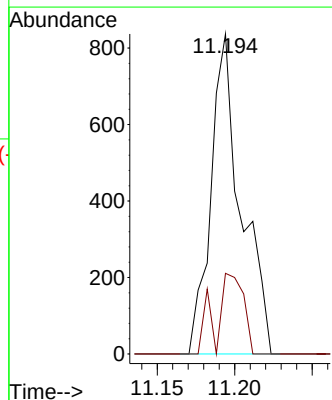
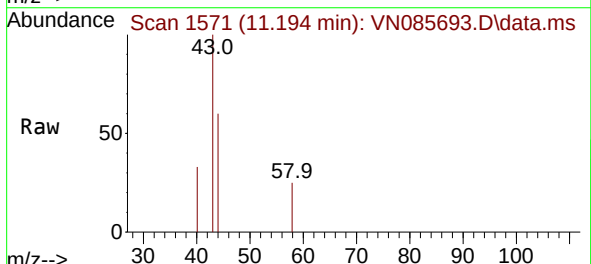
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

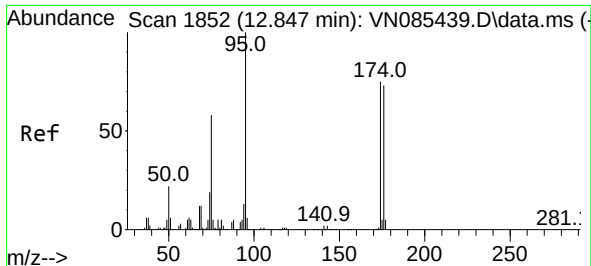
Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 0.0 54.6 82.0#
39 0.0 32.4 48.6#



#59
2-Hexanone
Concen: 0.476 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 43 Resp: 1132
Ion Ratio Lower Upper
43 100
58 23.0 26.2 78.6#

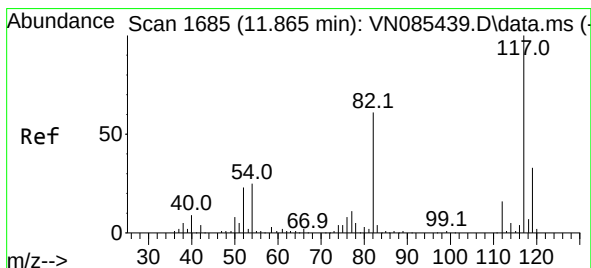
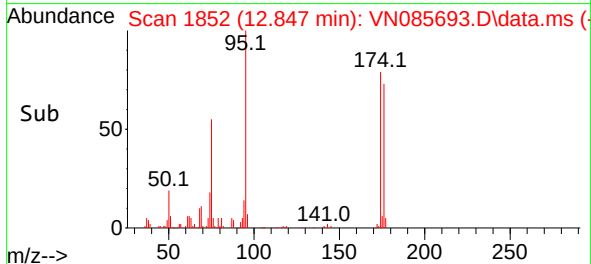
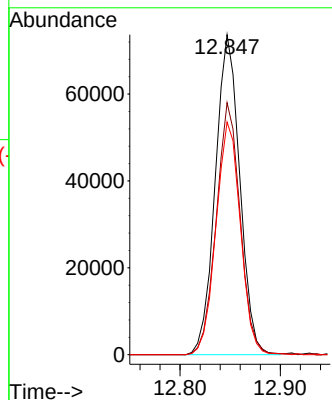
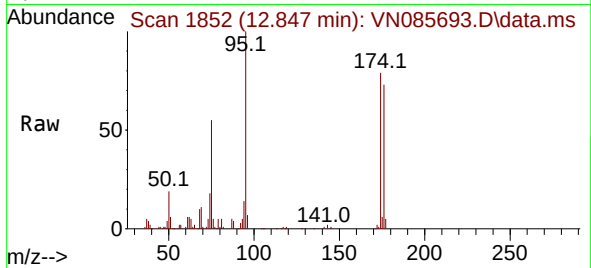




#62
4-Bromofluorobenzene
Concen: 40.003 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

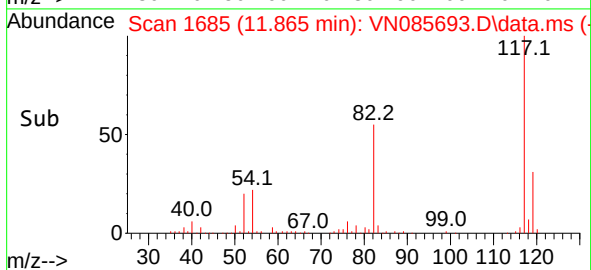
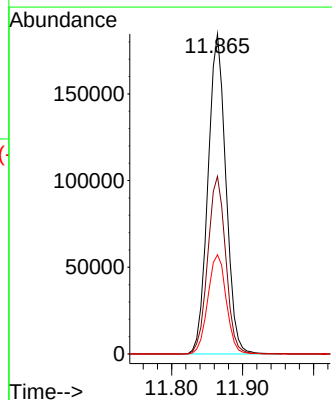
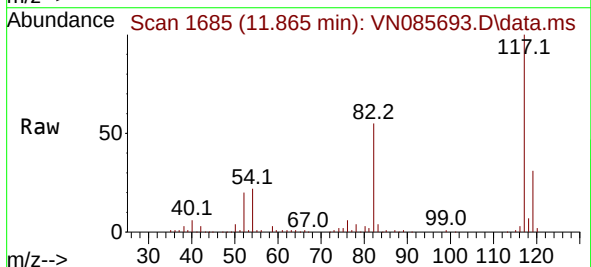
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

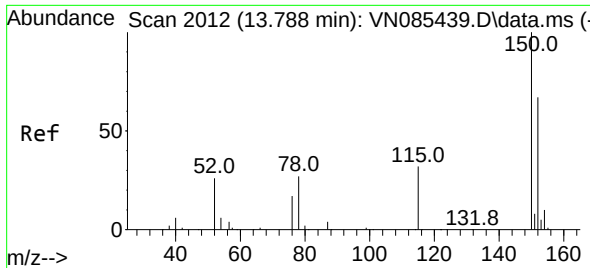
Tgt Ion: 95 Resp: 124748
Ion Ratio Lower Upper
95 100
174 77.3 0.0 145.0
176 72.7 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 117 Resp: 323145
Ion Ratio Lower Upper
117 100
82 55.5 48.6 72.8
119 31.0 26.6 39.8

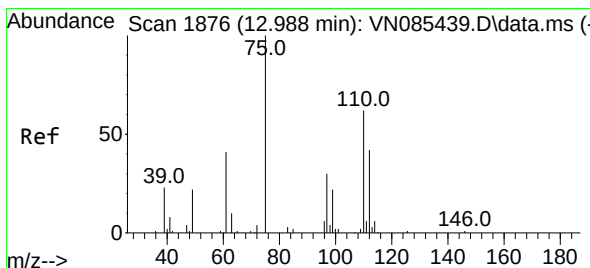
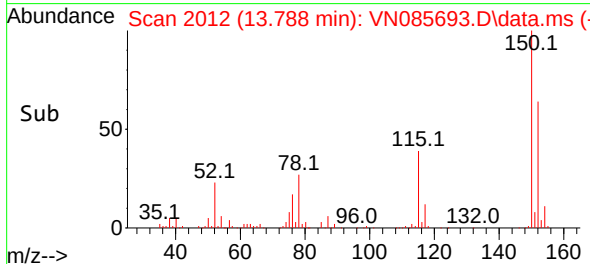
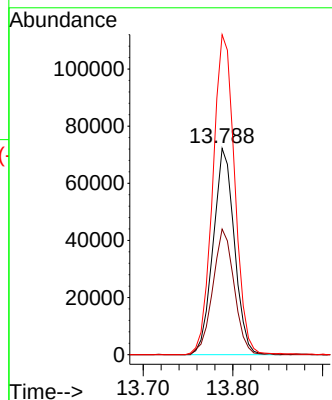
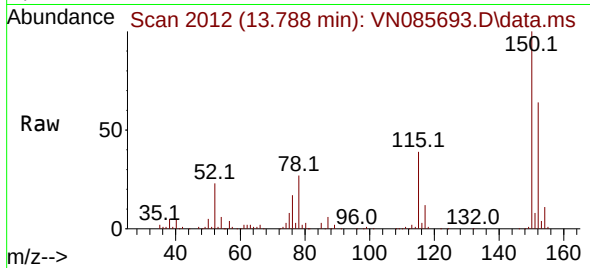




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085693.D
 Acq: 07 Feb 2025 13:02

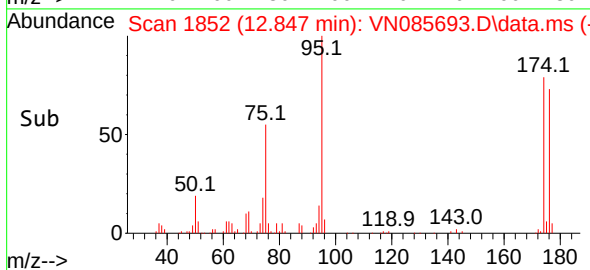
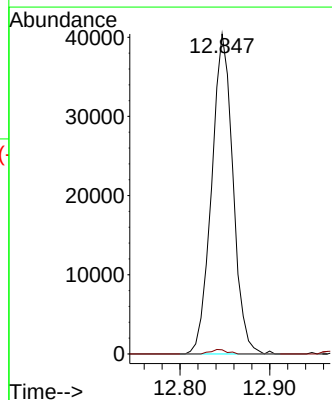
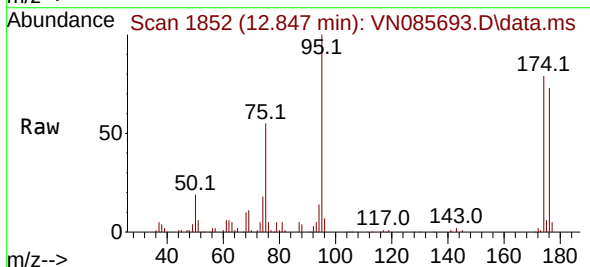
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207MBL01

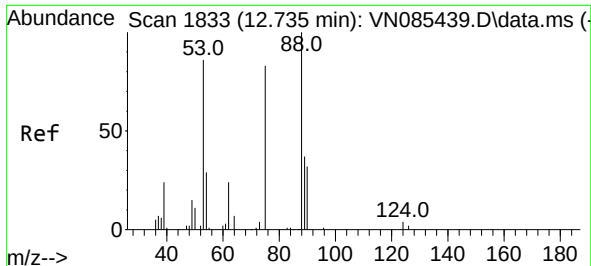
Tgt Ion:152 Resp: 118681
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.1 93.3
 150 160.6 0.0 343.6



#76
 1,2,3-Trichloropropane
 Concen: 27.697 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085693.D
 Acq: 07 Feb 2025 13:02

Tgt Ion: 75 Resp: 66812
 Ion Ratio Lower Upper
 75 100
 77 1.1 109.7 329.2#

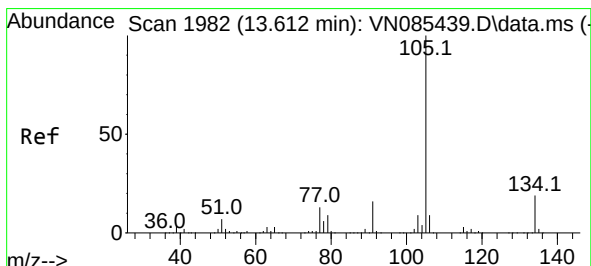
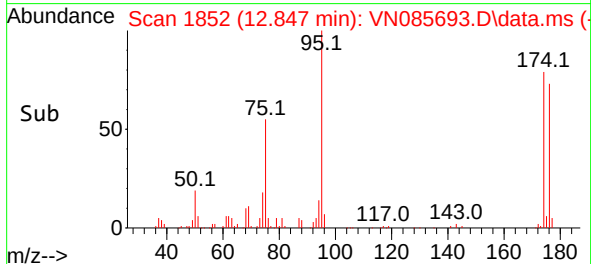
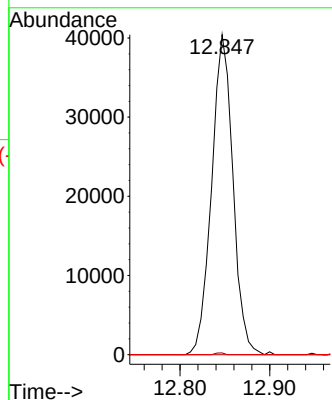
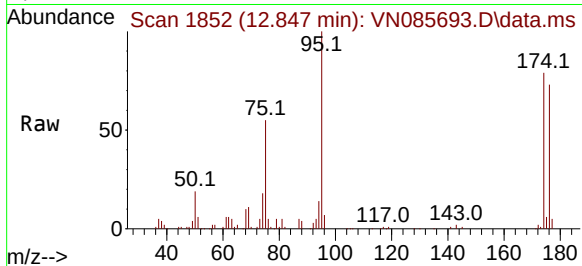




#81
trans-1,4-Dichloro-2-butene
Concen: 74.937 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

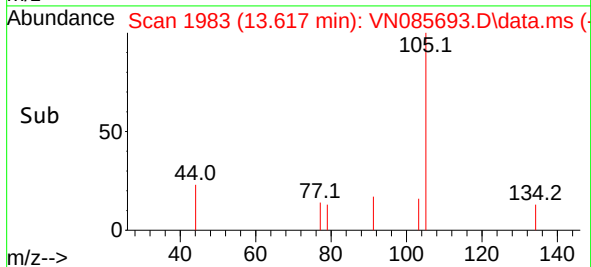
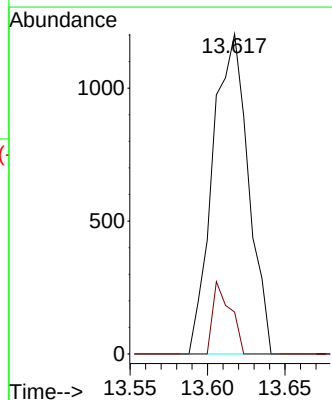
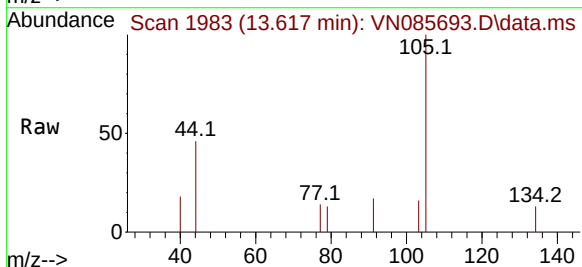
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

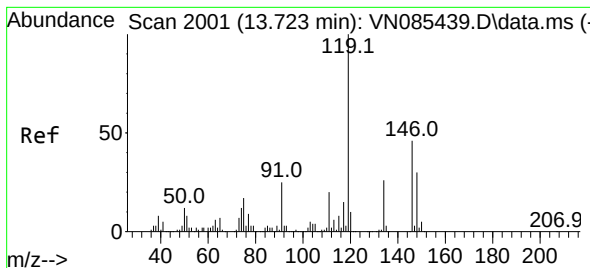
Tgt Ion: 75 Resp: 66812
Ion Ratio Lower Upper
75 100
53 0.2 95.6 143.4#
89 0.0 37.0 55.6#



#85
sec-Butylbenzene
Concen: 0.250 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. 0.005 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 105 Resp: 1926
Ion Ratio Lower Upper
105 100
134 11.2 9.7 28.9





#86

p-Isopropyltoluene

Concen: 0.215 ug/l

RT: 13.729 min Scan# 2000

Delta R.T. 0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0207MBL01

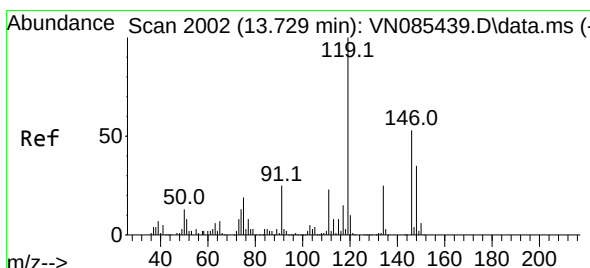
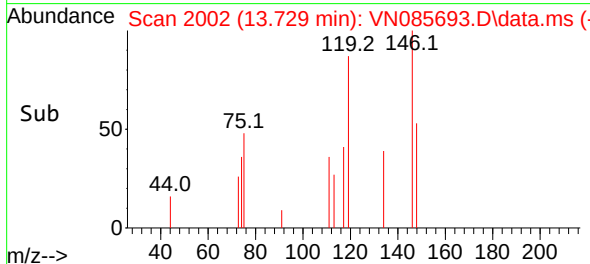
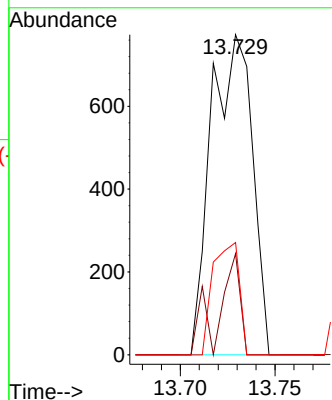
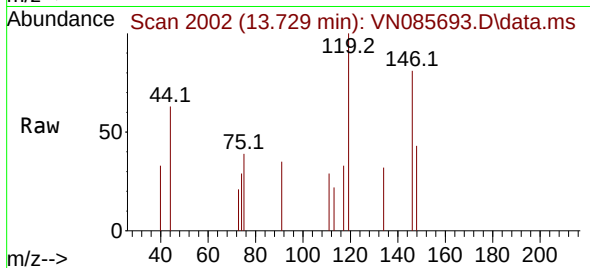
Tgt Ion:119 Resp: 1167

Ion Ratio Lower Upper

119 100

134 17.0 12.7 38.0

91 22.5 12.7 38.1



#87

1,3-Dichlorobenzene

Concen: 0.270 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

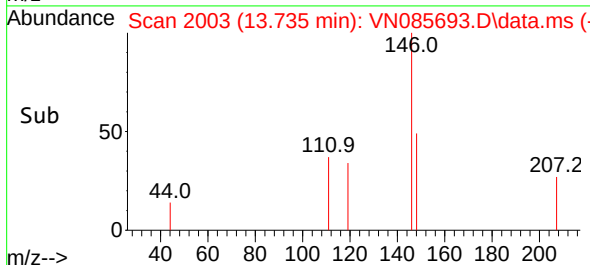
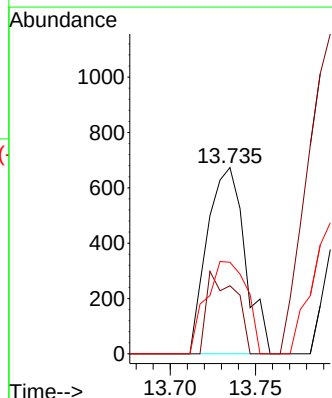
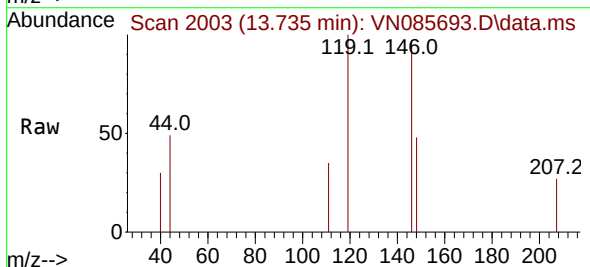
Tgt Ion:146 Resp: 1040

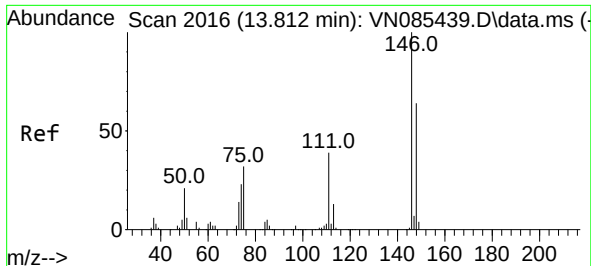
Ion Ratio Lower Upper

146 100

111 33.4 21.4 64.3

148 52.9 32.3 96.9

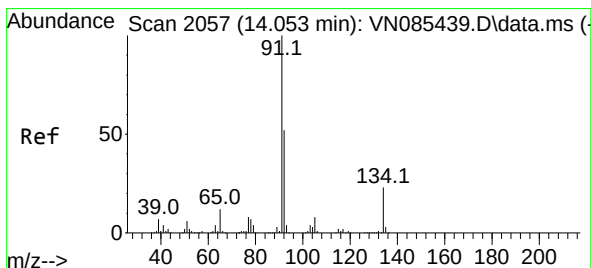
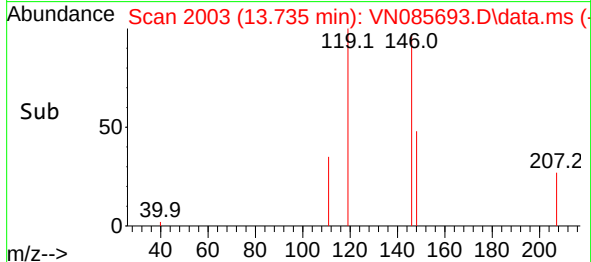
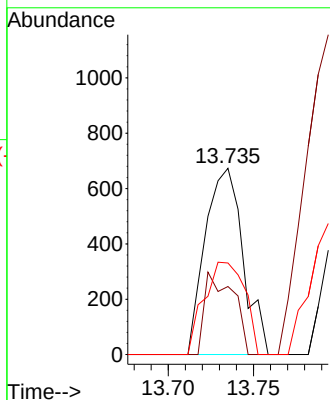
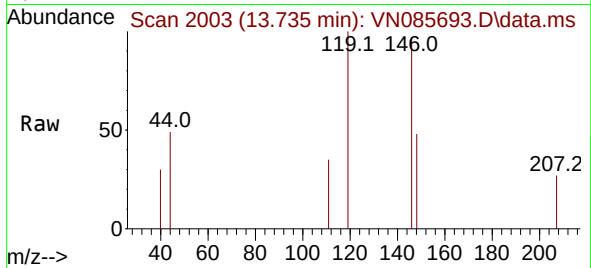




#88
1,4-Dichlorobenzene
Concen: 0.260 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

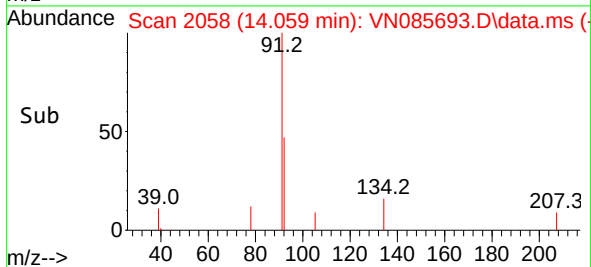
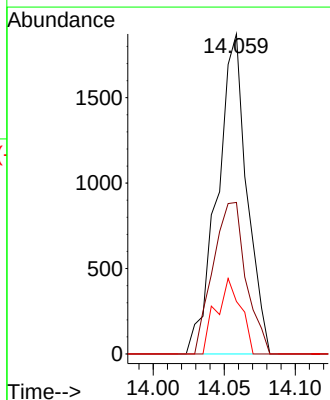
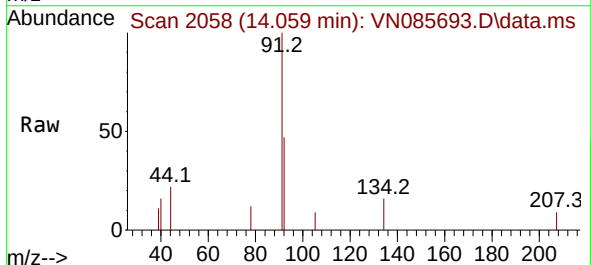
Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

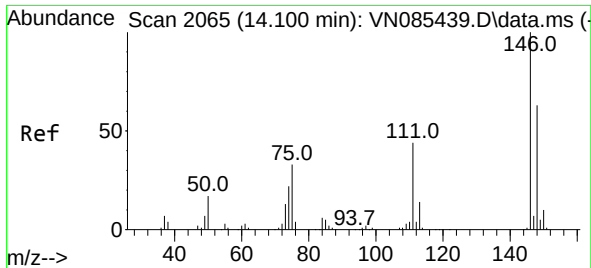
Tgt Ion:146 Resp: 1040
Ion Ratio Lower Upper
146 100
111 33.4 21.3 63.7
148 52.9 32.4 97.0



#89
n-Butylbenzene
Concen: 0.491 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion: 91 Resp: 2713
Ion Ratio Lower Upper
91 100
92 52.8 25.8 77.3
134 19.6 11.7 35.1

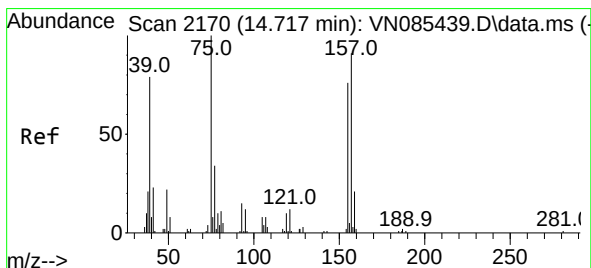
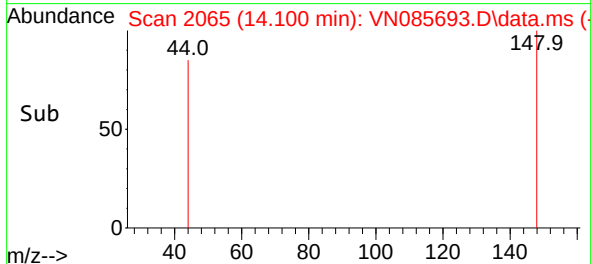
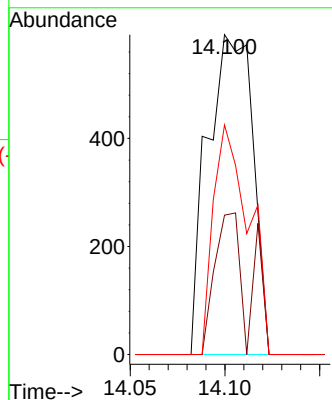
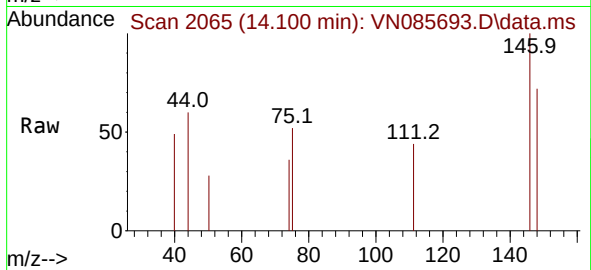




#91
 1,2-Dichlorobenzene
 Concen: 0.256 ug/l
 RT: 14.100 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: VN085693.D
 Acq: 07 Feb 2025 13:02

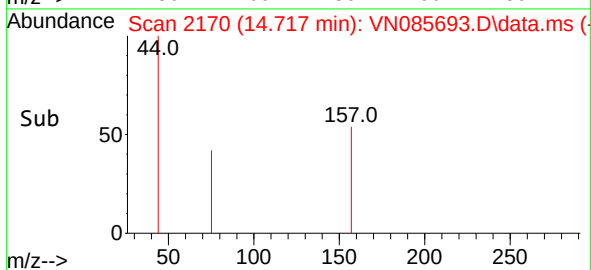
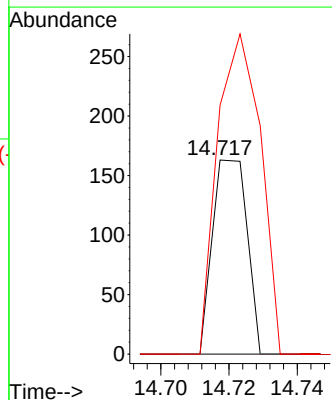
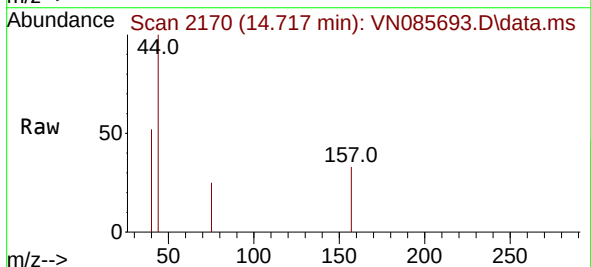
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207MBL01

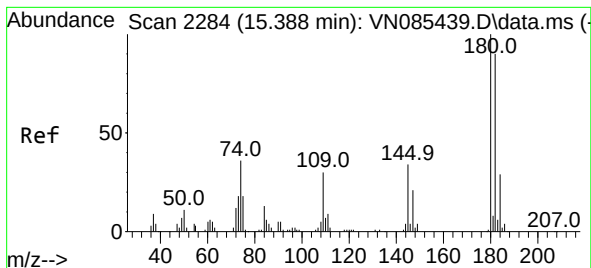
Tgt Ion:146 Resp: 985
 Ion Ratio Lower Upper
 146 100
 111 32.8 21.7 65.1
 148 56.0 31.4 94.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.223 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN085693.D
 Acq: 07 Feb 2025 13:02

Tgt Ion: 75 Resp: 115
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.4 109.2#
 157 205.2 45.4 136.1#





#93

1,2,4-Trichlorobenzene

Concen: 0.922 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0207MBL01

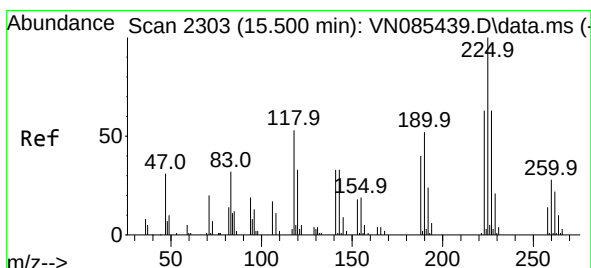
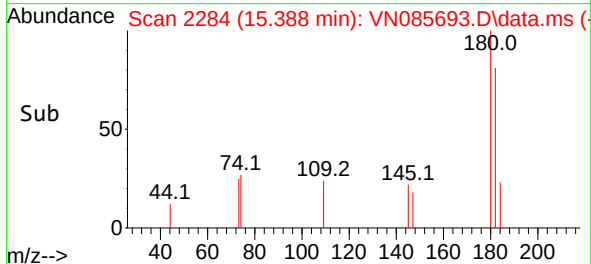
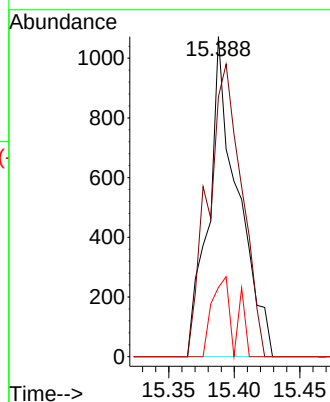
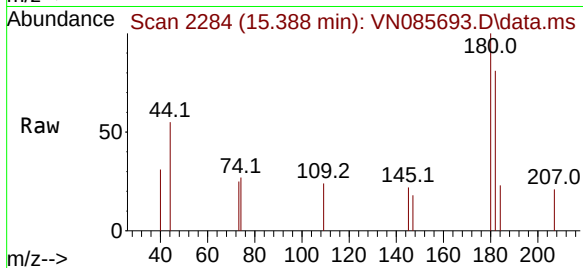
Tgt Ion:180 Resp: 1647

Ion Ratio Lower Upper

180 100

182 106.6 46.8 140.3

145 19.4 16.0 48.0



#94

Hexachlorobutadiene

Concen: 1.485 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085693.D

Acq: 07 Feb 2025 13:02

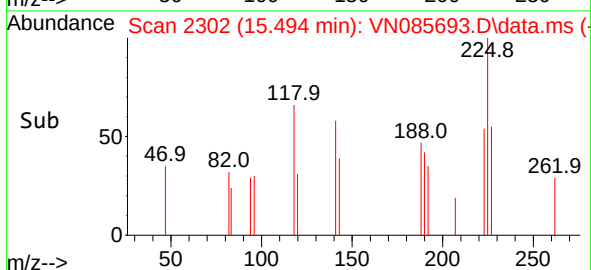
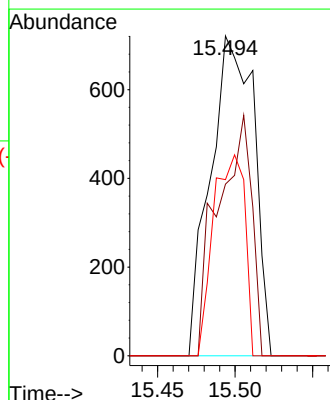
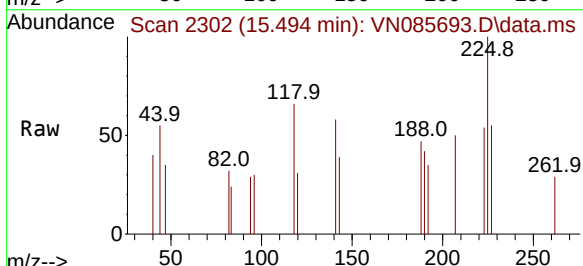
Tgt Ion:225 Resp: 1409

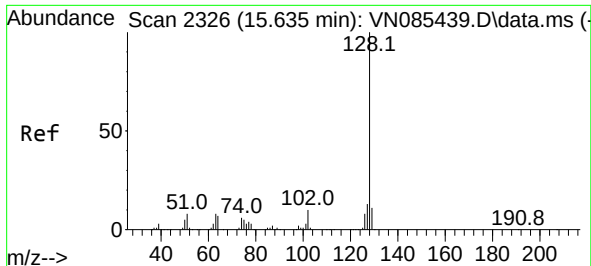
Ion Ratio Lower Upper

225 100

223 58.3 30.7 92.1

227 45.4 30.9 92.5

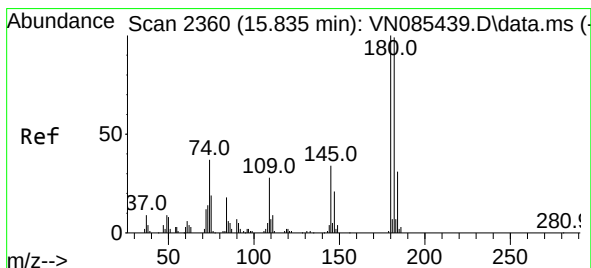
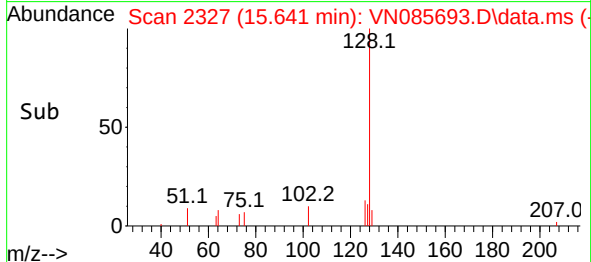
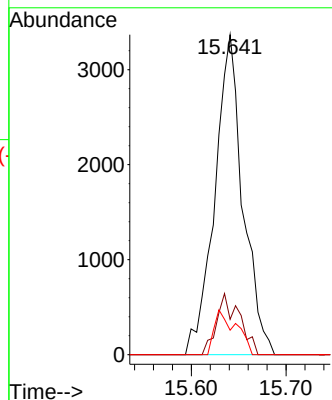
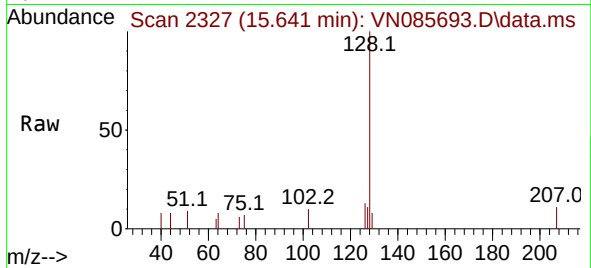




#95
Naphthalene
Concen: 1.305 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0207MBL01

Tgt Ion:128 Resp: 6959
Ion Ratio Lower Upper
128 100
127 15.5 10.6 16.0
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.213 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085693.D
Acq: 07 Feb 2025 13:02

Tgt Ion:180 Resp: 2193
Ion Ratio Lower Upper
180 100
182 93.9 47.4 142.2
145 15.1 16.9 50.7#

