

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120324\
 Data File : VN085074.D
 Acq On : 03 Dec 2024 12:29
 Operator : JC\MD
 Sample : VN1203WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 23:48:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

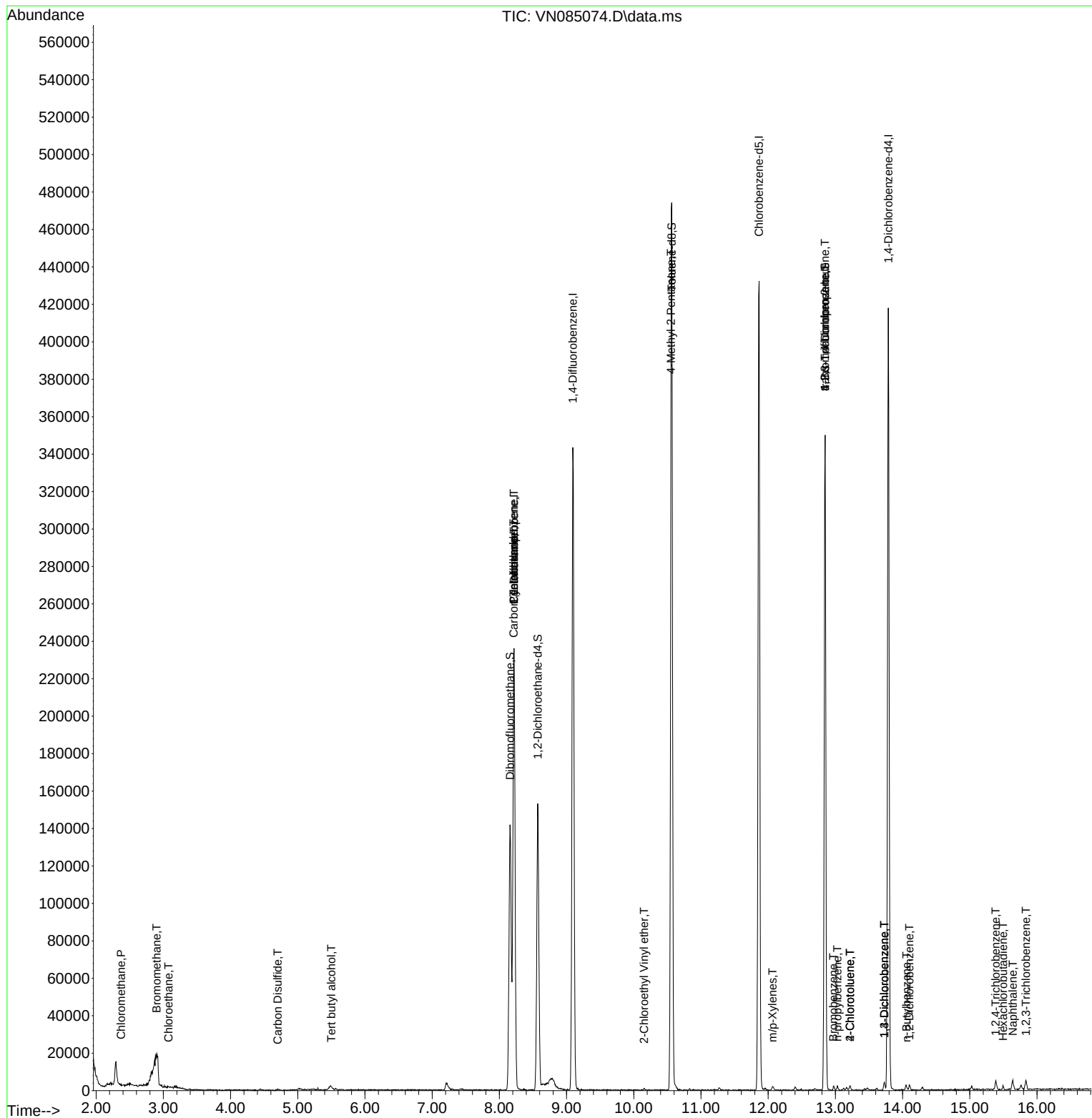
Internal Standards						
1) Pentafluorobenzene	8.218	168	170063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	298713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122236	50.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	8.159	113	101030	50.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	10.565	98	332896	46.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.220%			
62) 4-Bromofluorobenzene	12.847	95	122062	45.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.420%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	742	0.333	ug/l #	40
5) Bromomethane	2.901	94	456	0.406	ug/l	81
6) Chloroethane	3.077	64	324	0.240	ug/l #	44
11) Tert butyl alcohol	5.500	59	1844	5.696	ug/l #	75
17) Carbon Disulfide	4.700	76	1122	0.211	ug/l #	77
18) Methyl Acetate	5.024	43	1471	Below Cal	#	57
31) Cyclohexane	8.218	56	3542	1.098	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14090	5.164	ug/l #	50
38) Carbon Tetrachloride	8.212	117	17816	5.657	ug/l #	15
51) 4-Methyl-2-Pentanone	10.553	43	1333	0.566	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.153	63	457	0.335	ug/l #	46
68) m/p-Xylenes	12.065	106	746	0.211	ug/l	83
76) 1,2,3-Trichloropropane	12.847	75	62930	30.889	ug/l #	1
77) Bromobenzene	12.971	156	536	0.252	ug/l	84
78) n-propylbenzene	13.029	91	2019	0.222	ug/l	87
79) 2-Chlorotoluene	13.218	91	2008	0.330	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.847	75	62930	68.189	ug/l #	10
82) 4-Chlorotoluene	13.218	91	2008	0.317	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	1792	0.427	ug/l	93
88) 1,4-Dichlorobenzene	13.729	146	1792	0.419	ug/l	93
89) n-Butylbenzene	14.059	91	1946	0.329	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	1533	0.381	ug/l	81
93) 1,2,4-Trichlorobenzene	15.388	180	2161	0.990	ug/l	89
94) Hexachlorobutadiene	15.494	225	616	0.611	ug/l	62
95) Naphthalene	15.641	128	5280	0.849	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	2070	0.994	ug/l	96

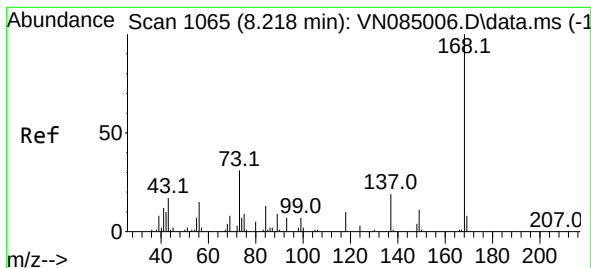
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120324\
Data File : VN085074.D
Acq On : 03 Dec 2024 12:29
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Sample : VN1203WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

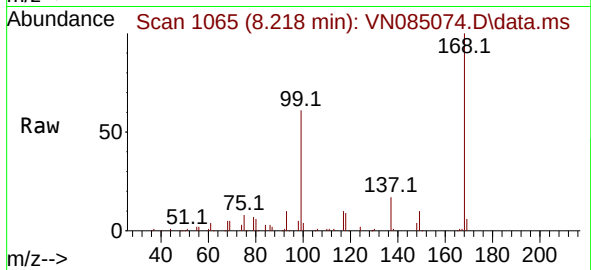
Quant Time: Dec 03 23:48:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



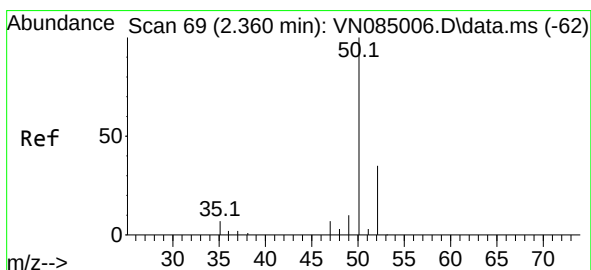
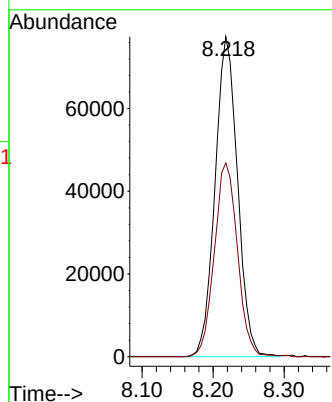
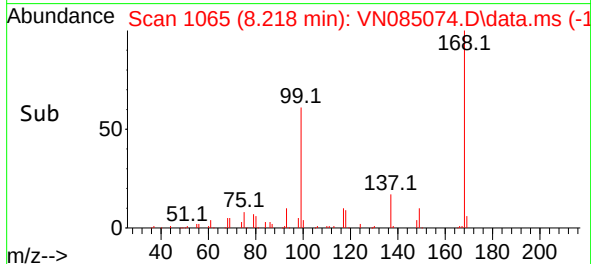


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

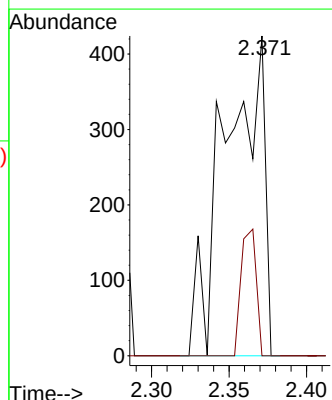
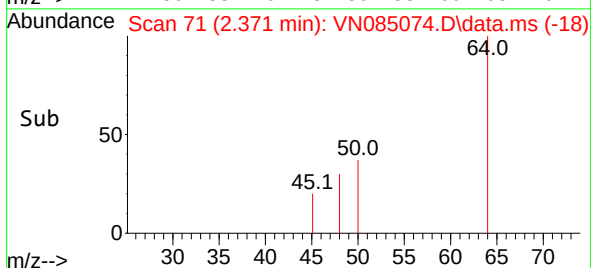
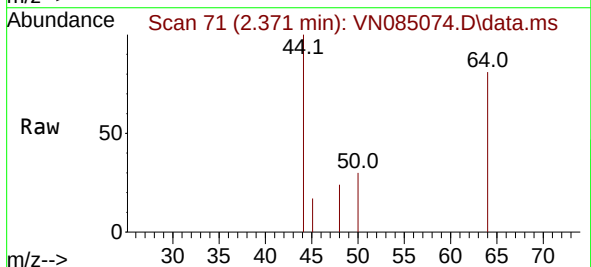


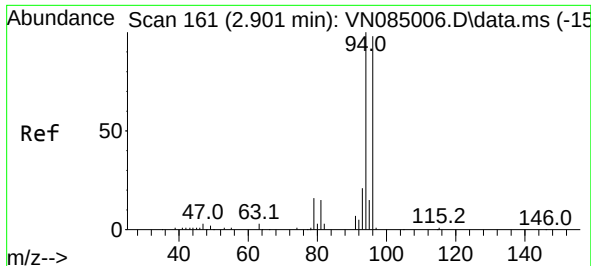
Tgt Ion:168 Resp: 170063
Ion Ratio Lower Upper
168 100
99 60.6 51.2 76.8



#3
Chloromethane
Concen: 0.333 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 50 Resp: 742
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

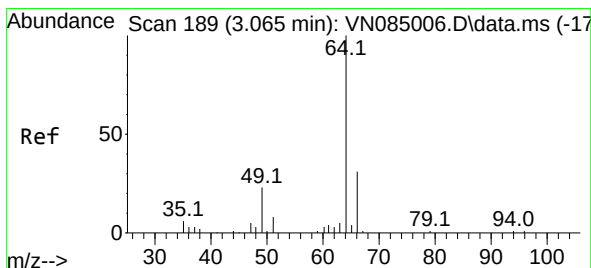
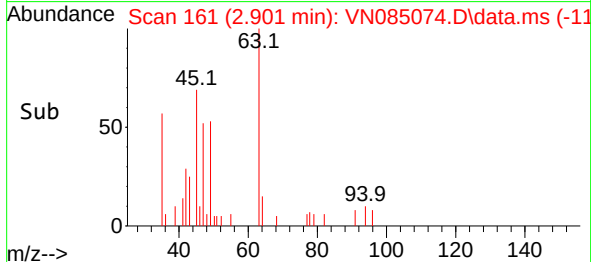
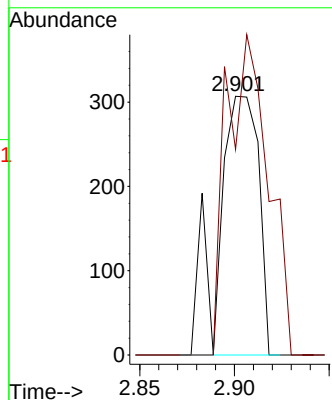
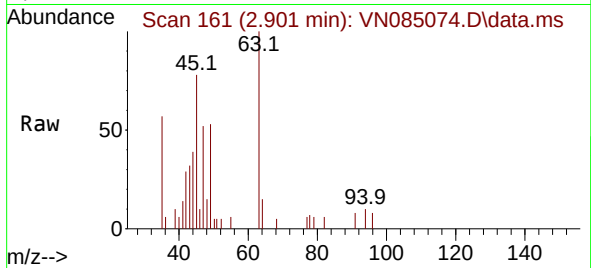




#5
Bromomethane
Concen: 0.406 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

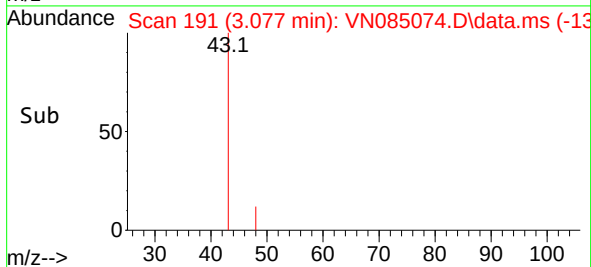
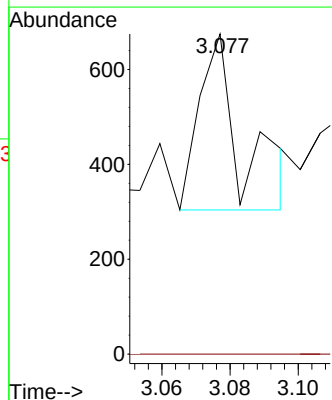
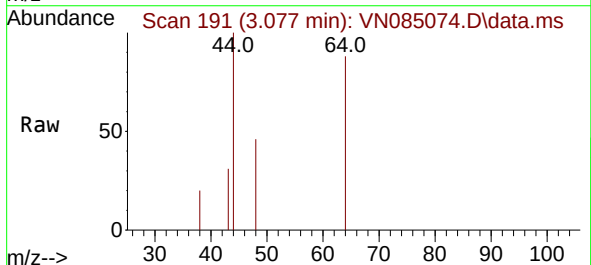
Instrument :
MSVOA_N
ClientSampleId :

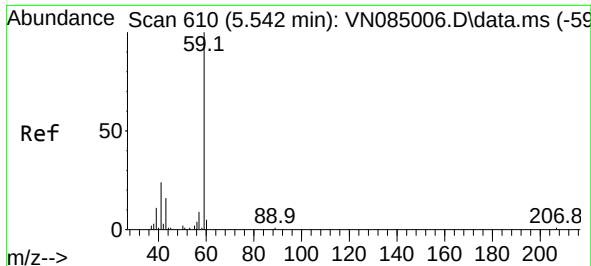
Tgt Ion: 94 Resp: 456
Ion Ratio Lower Upper
94 100
96 79.5 78.7 118.1



#6
Chloroethane
Concen: 0.240 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

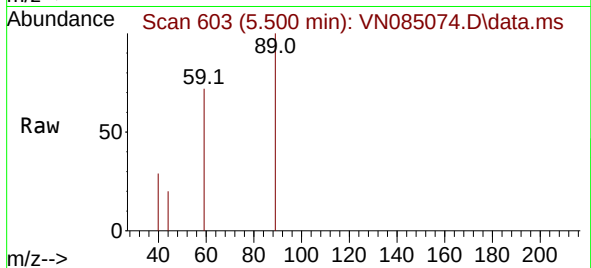
Tgt Ion: 64 Resp: 324
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



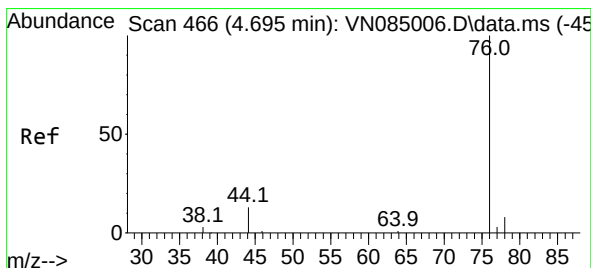
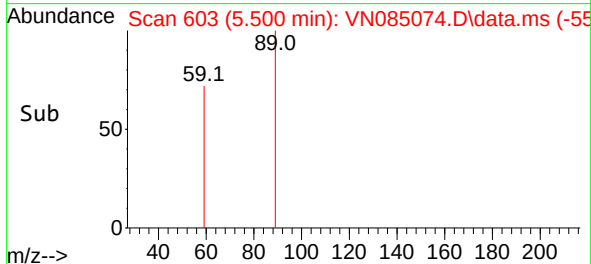
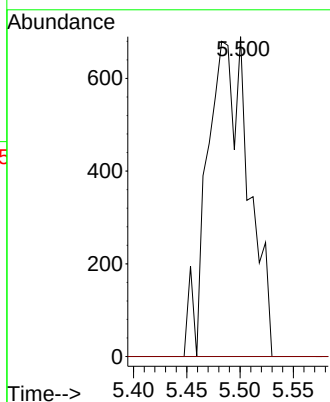


#11
Tert butyl alcohol
Concen: 5.696 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.041 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

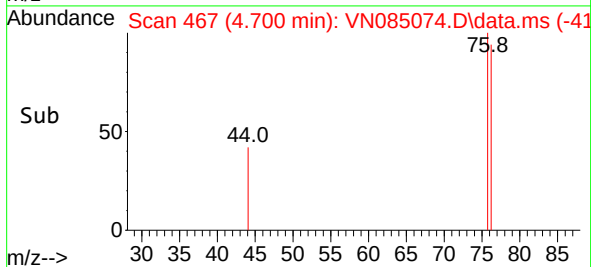
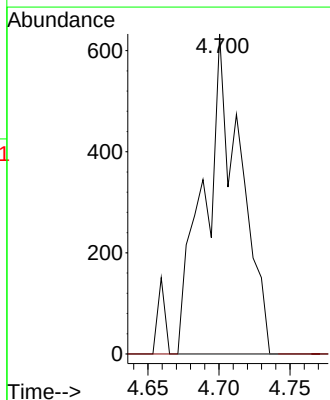
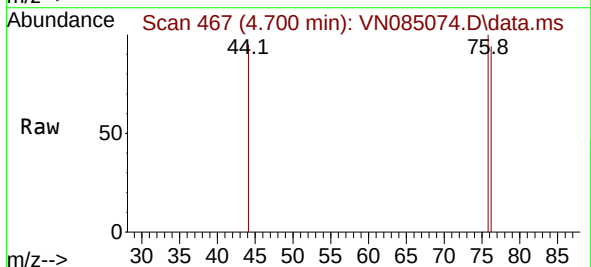


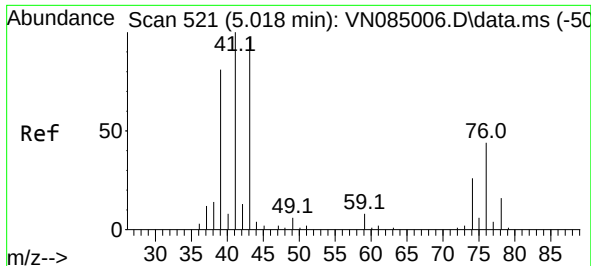
Tgt Ion: 59 Resp: 1844
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#17
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

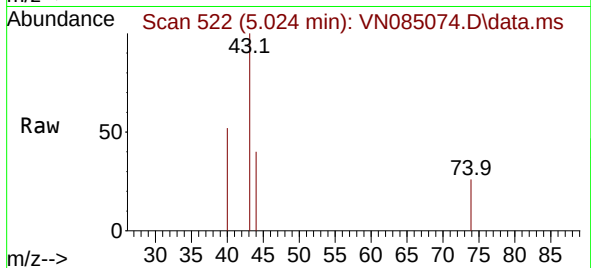
Tgt Ion: 76 Resp: 1122
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#



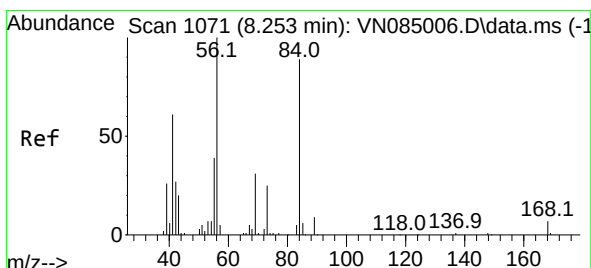
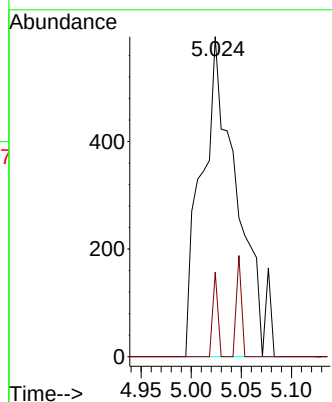
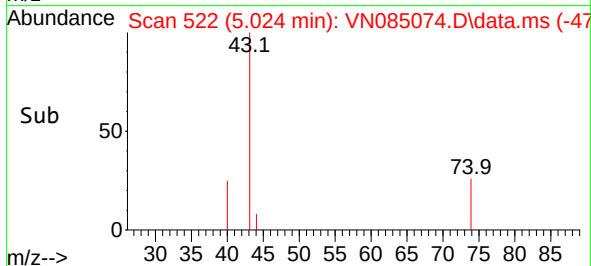


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

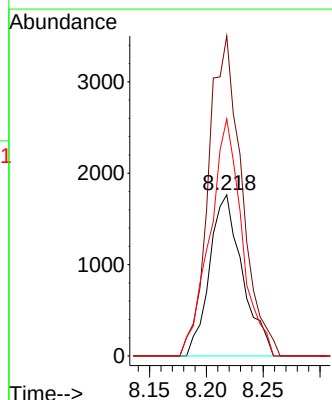
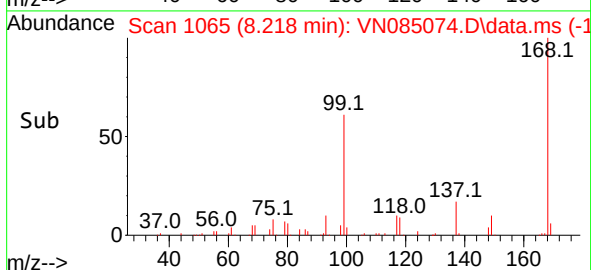
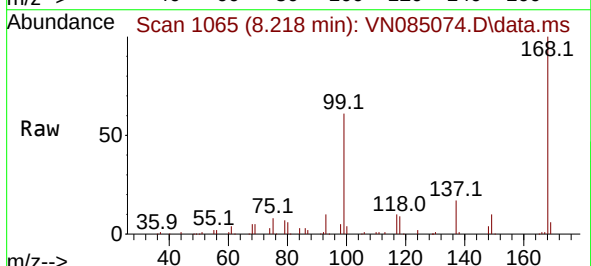


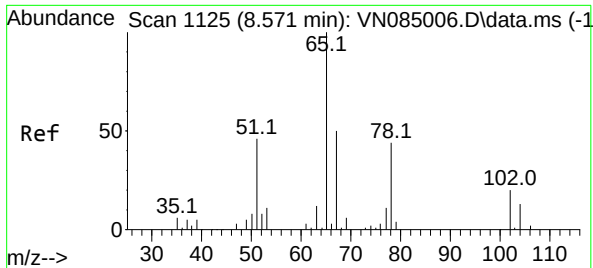
Tgt Ion: 43 Resp: 1471
Ion Ratio Lower Upper
43 100
74 3.7 20.1 30.1#



#31
Cyclohexane
Concen: 1.098 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 56 Resp: 3542
Ion Ratio Lower Upper
56 100
69 198.6 24.6 36.8#
84 147.1 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 50.460 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

Instrument :

MSVOA_N

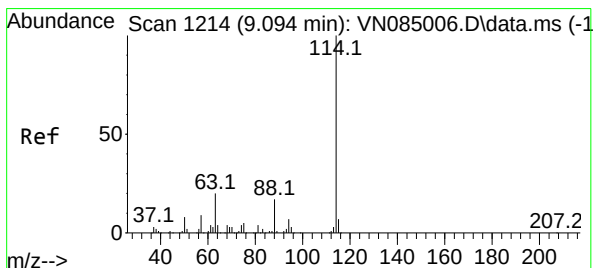
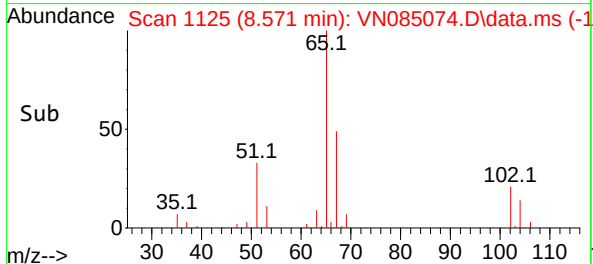
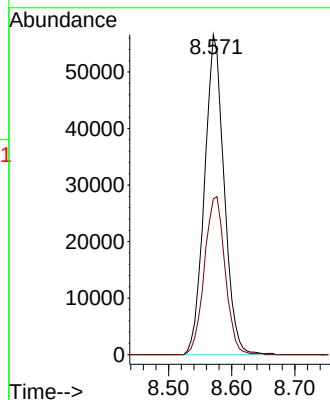
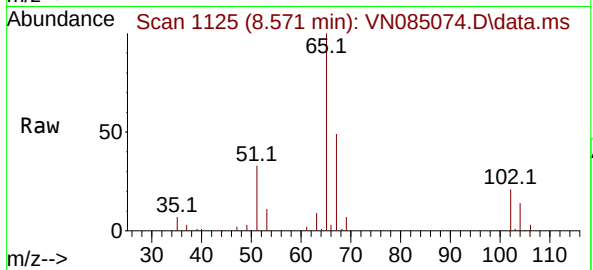
ClientSampleId :

Tgt Ion: 65 Resp: 122236

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

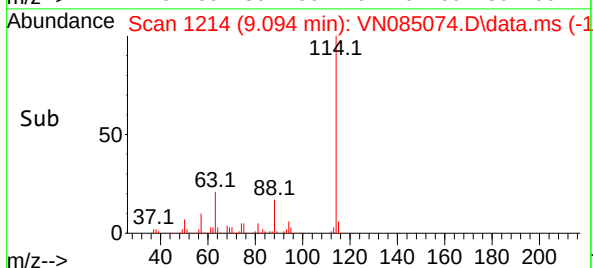
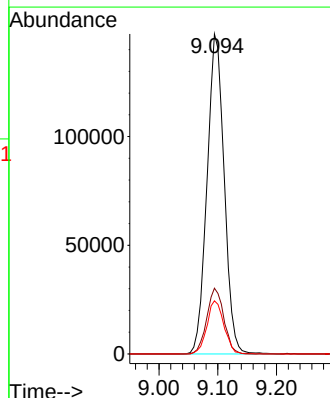
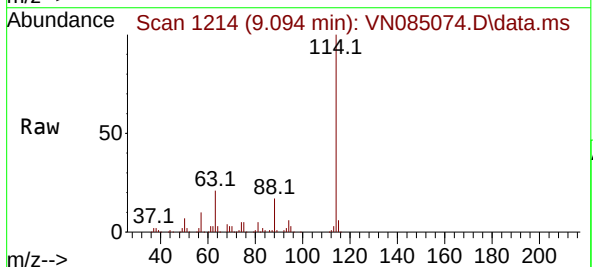
Tgt Ion: 114 Resp: 298713

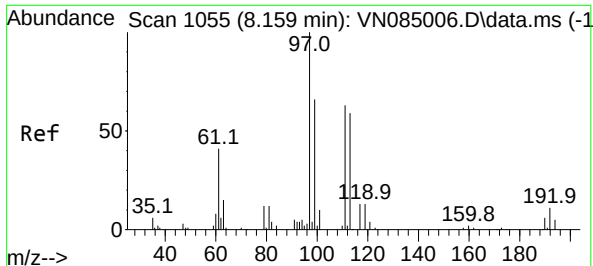
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

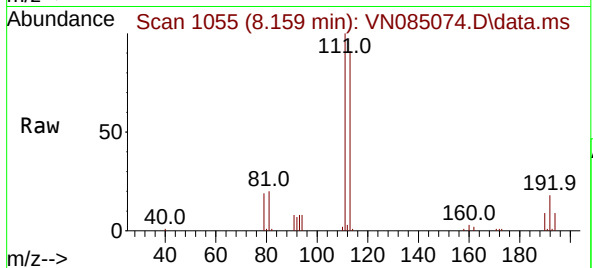
88 16.6 0.0 34.8



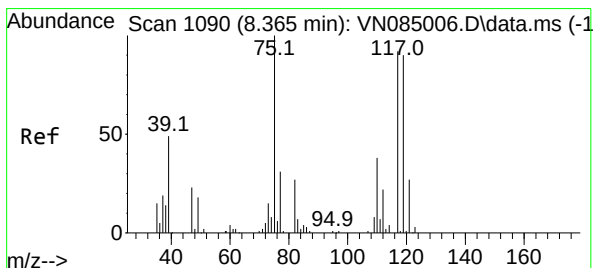
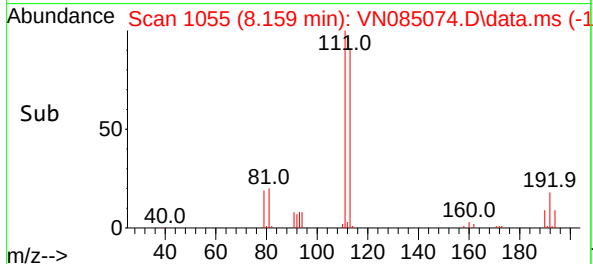
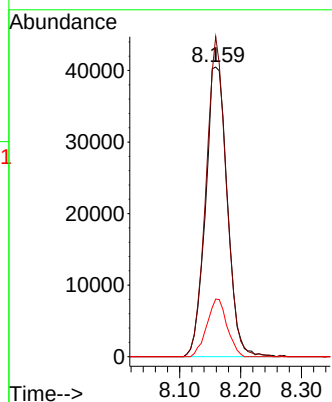


#35
Dibromofluoromethane
Concen: 50.153 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

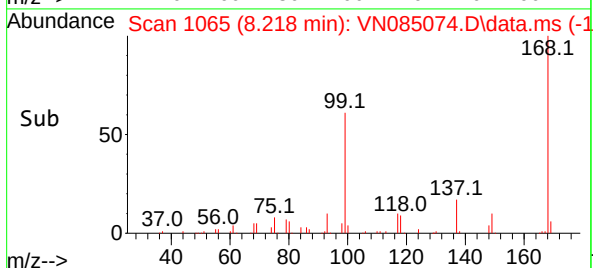
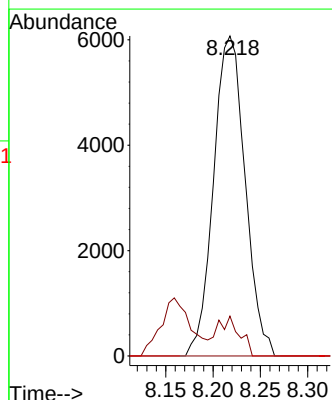
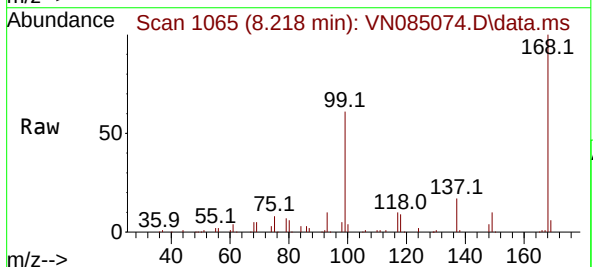


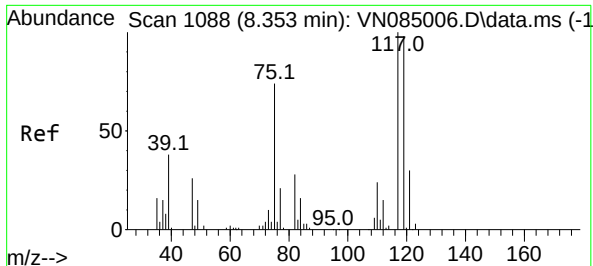
Tgt Ion:113 Resp: 101030
Ion Ratio Lower Upper
113 100
111 102.7 82.0 123.0
192 18.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.164 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

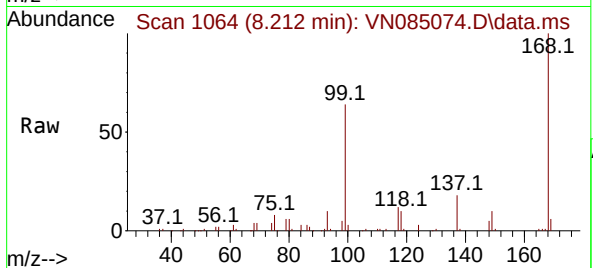
Tgt Ion: 75 Resp: 14090
Ion Ratio Lower Upper
75 100
110 8.8 17.2 51.6#
77 0.0 24.2 36.4#



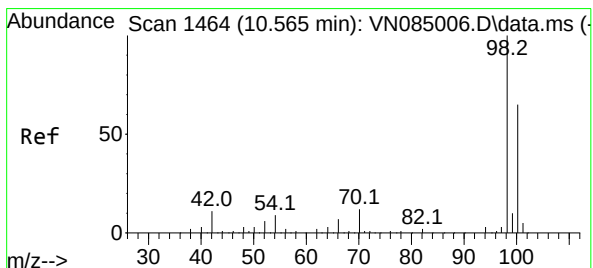
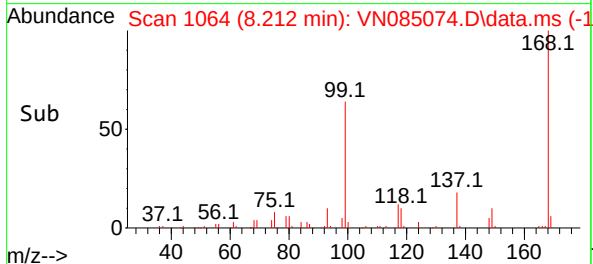
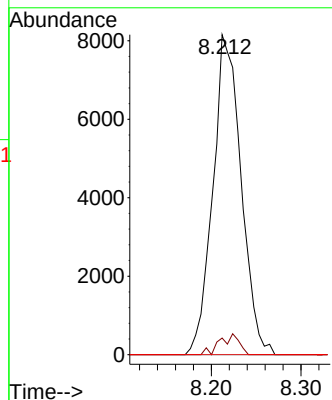


#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.141 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

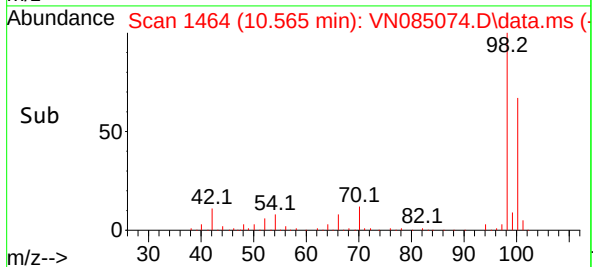
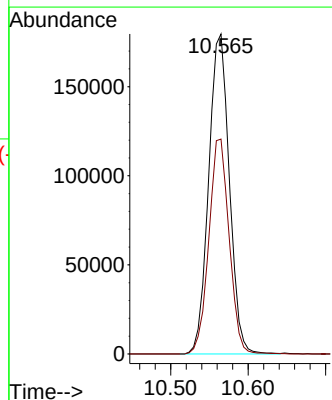
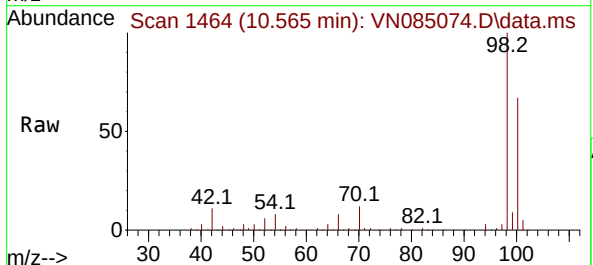


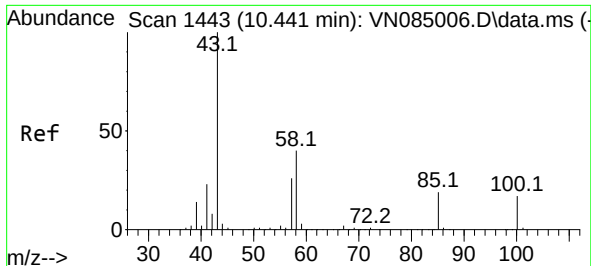
Tgt Ion:117 Resp: 17816
Ion Ratio Lower Upper
117 100
119 5.2 78.6 117.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.113 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 98 Resp: 332896
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

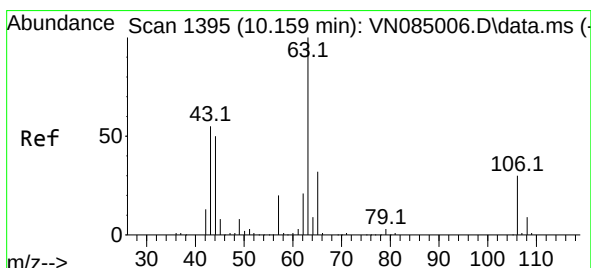
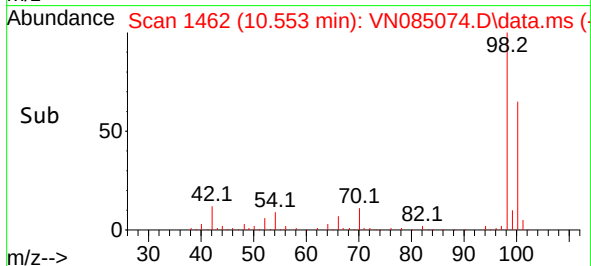
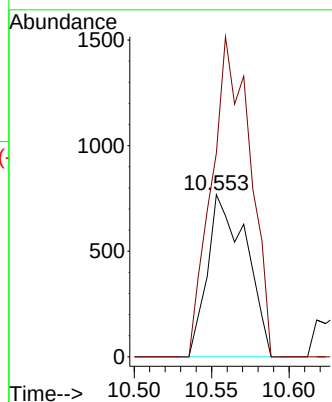
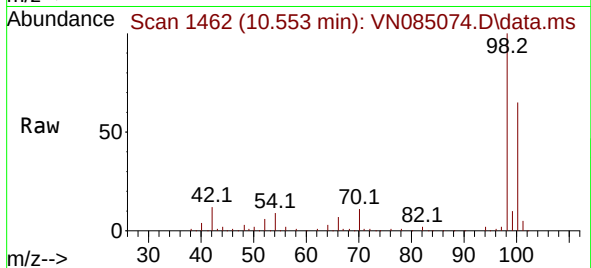




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 10.553 min Scan# 1443
Delta R.T. 0.112 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

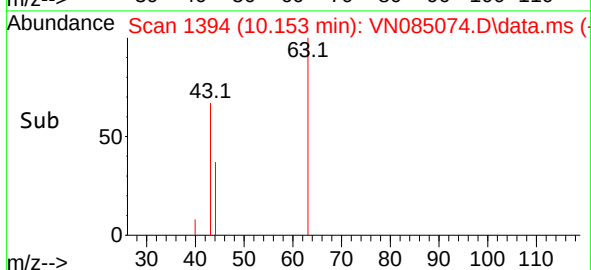
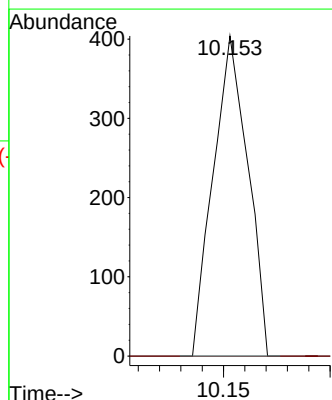
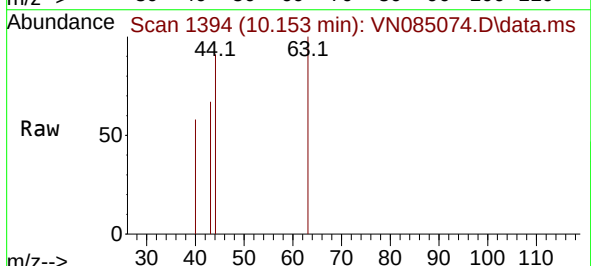
Instrument :
MSVOA_N
ClientSampleId :

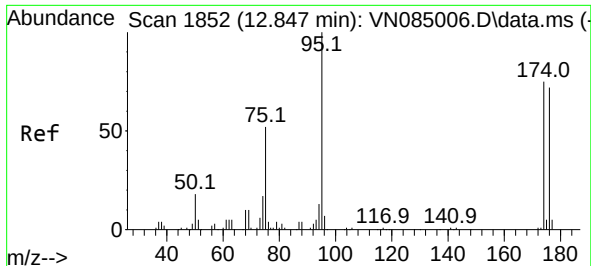
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
58 196.2 32.1 48.1#



#58
2-Chloroethyl Vinyl ether
Concen: 0.335 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 63 Resp: 457
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#

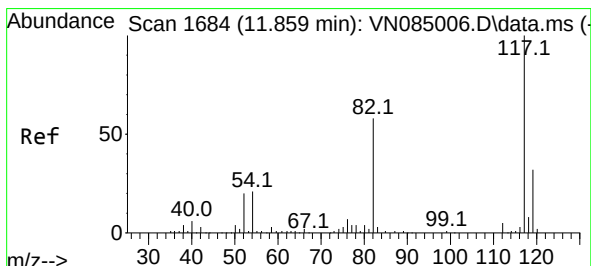
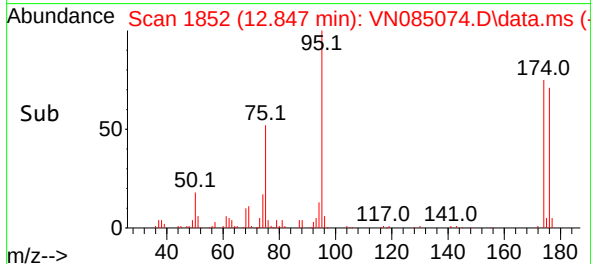
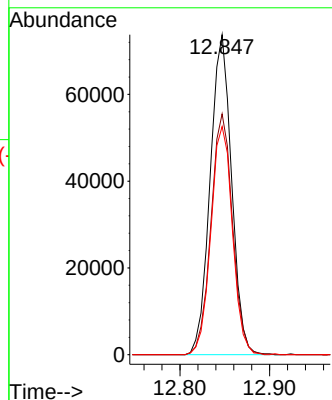
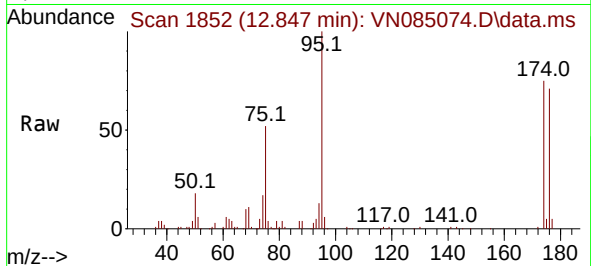




#62
4-Bromofluorobenzene
Concen: 45.212 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

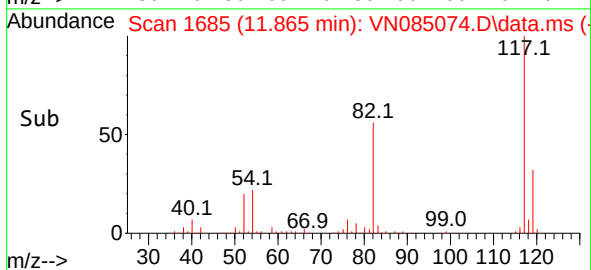
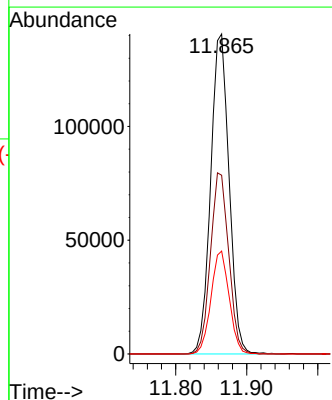
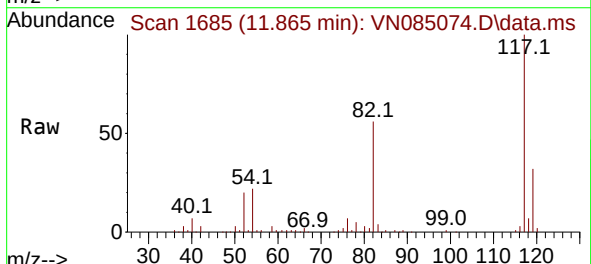
Instrument :
MSVOA_N
ClientSampleId :

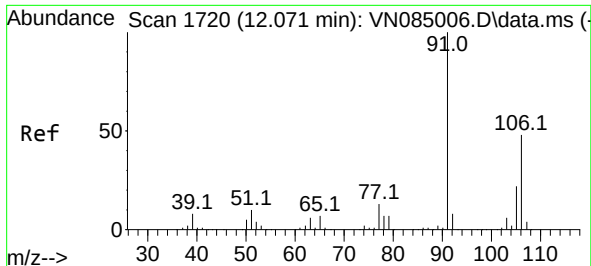
Tgt Ion: 95 Resp: 122062
Ion Ratio Lower Upper
95 100
174 76.0 0.0 146.6
176 71.6 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 117 Resp: 252956
Ion Ratio Lower Upper
117 100
82 55.9 46.0 69.0
119 32.1 25.6 38.4

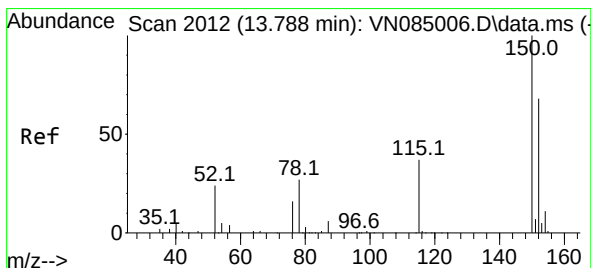
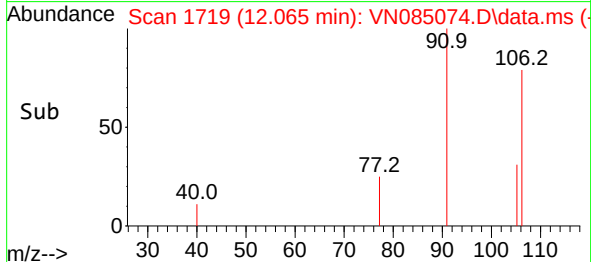
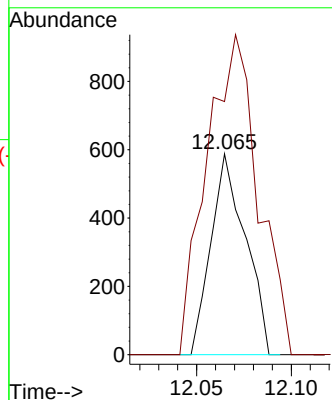
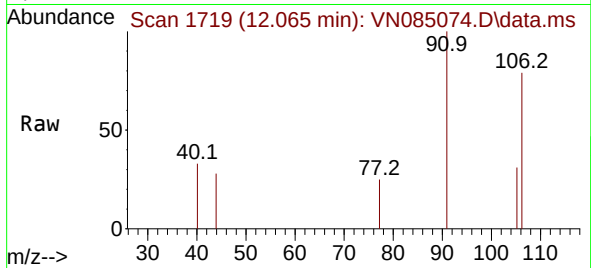




#68
m/p-Xylenes
Concen: 0.211 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

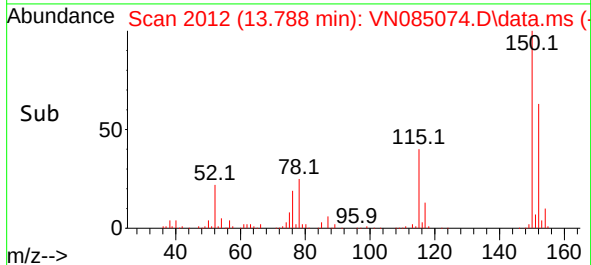
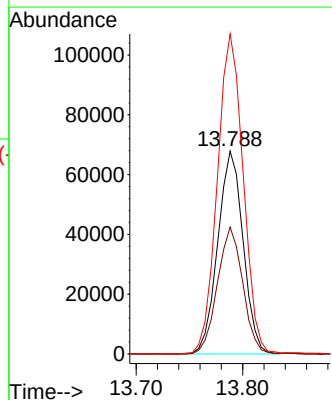
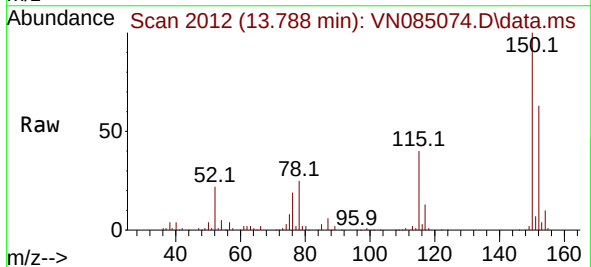
Instrument :
MSVOA_N
ClientSampleId :

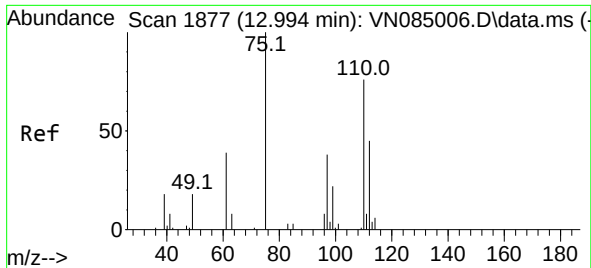
Tgt Ion:106 Resp: 746
Ion Ratio Lower Upper
106 100
91 237.3 168.0 252.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion:152 Resp: 112007
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 160.8 0.0 351.4

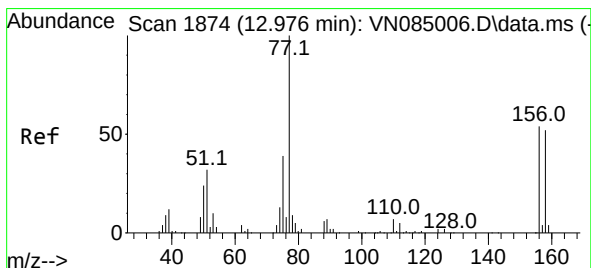
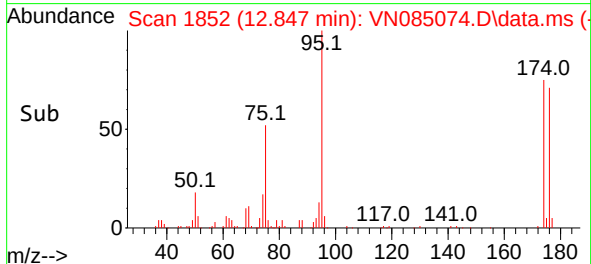
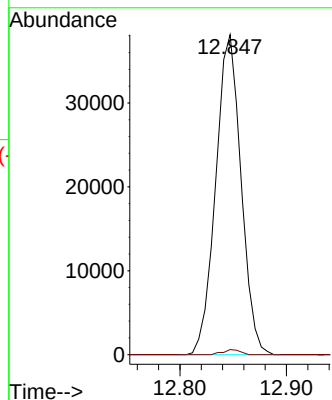
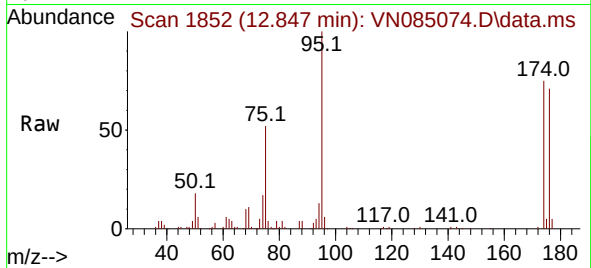




#76
1,2,3-Trichloropropane
Concen: 30.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

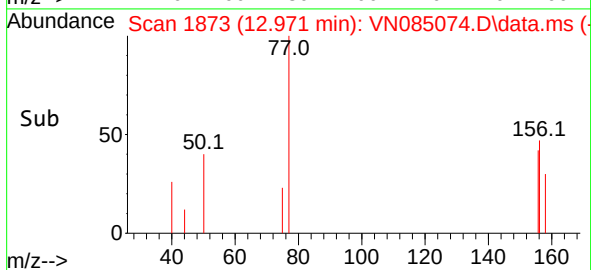
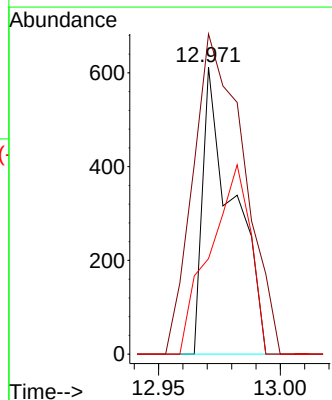
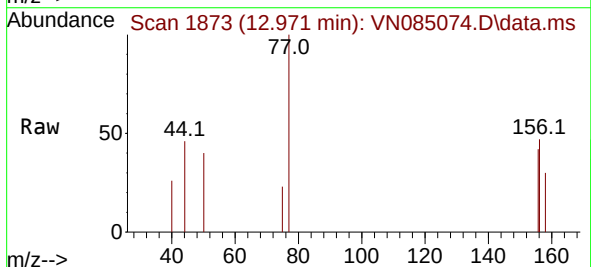
Instrument :
MSVOA_N
ClientSampleId :

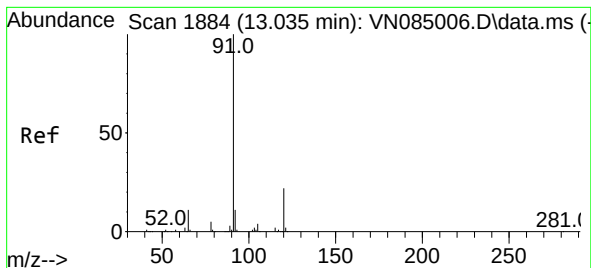
Tgt Ion: 75 Resp: 62930
Ion Ratio Lower Upper
75 100
77 1.1 109.1 327.4#



#77
Bromobenzene
Concen: 0.252 ug/l
RT: 12.971 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion:156 Resp: 536
Ion Ratio Lower Upper
156 100
77 184.7 107.2 321.6
158 87.5 48.5 145.6





#78

n-propylbenzene

Concen: 0.222 ug/l

RT: 13.029 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

Instrument :

MSVOA_N

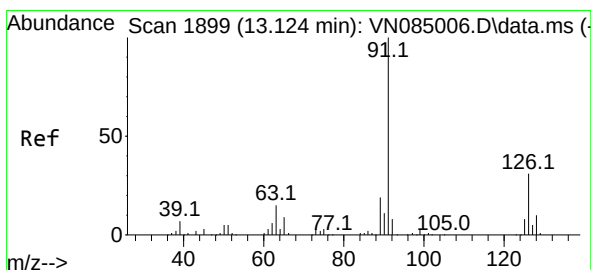
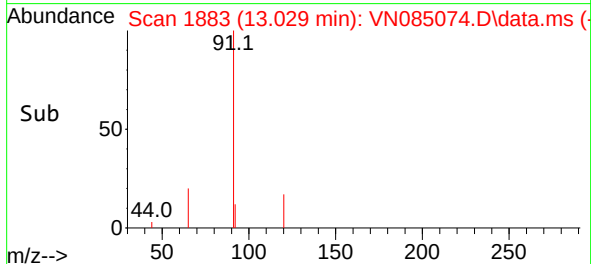
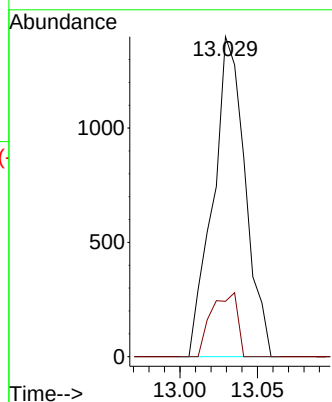
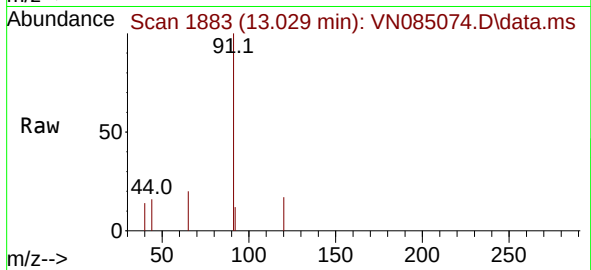
ClientSampleId :

Tgt Ion: 91 Resp: 2019

Ion Ratio Lower Upper

91 100

120 16.2 11.3 33.9



#79

2-Chlorotoluene

Concen: 0.330 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.094 min

Lab File: VN085074.D

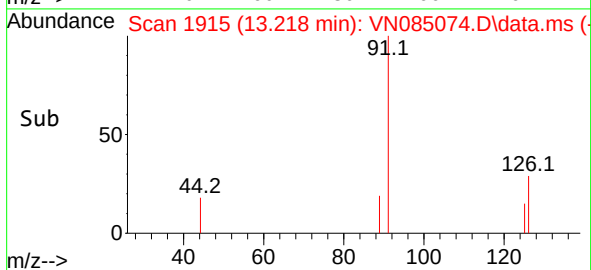
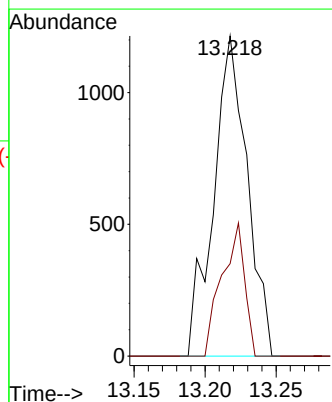
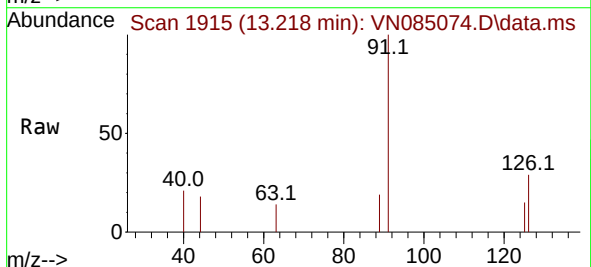
Acq: 03 Dec 2024 12:29

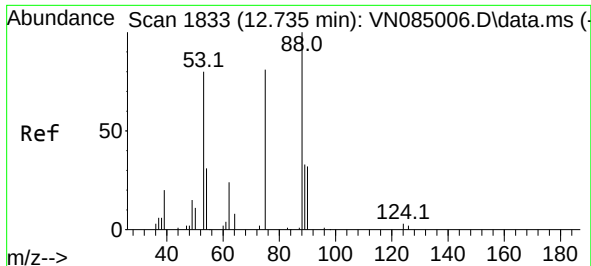
Tgt Ion: 91 Resp: 2008

Ion Ratio Lower Upper

91 100

126 28.1 16.1 48.3

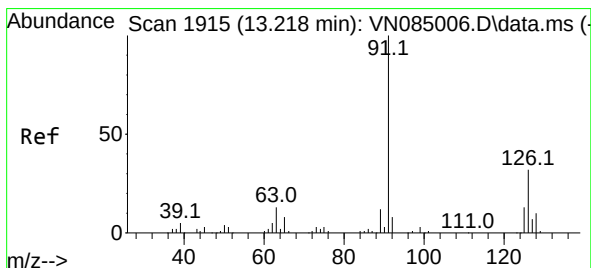
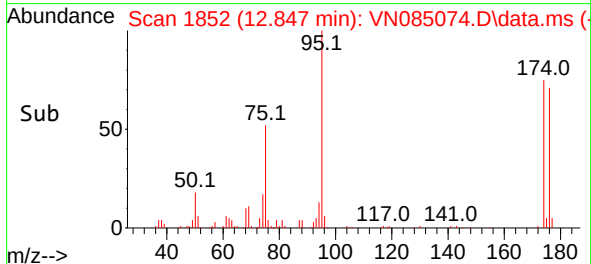
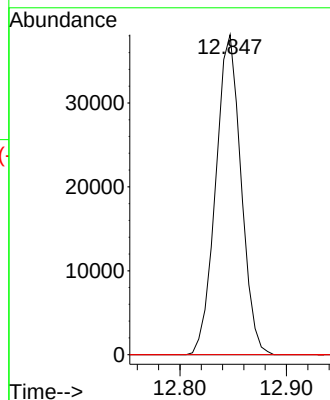
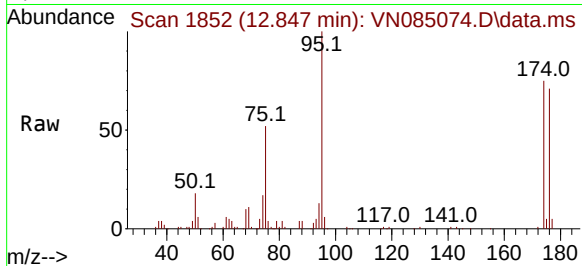




#81
trans-1,4-Dichloro-2-butene
Concen: 68.189 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

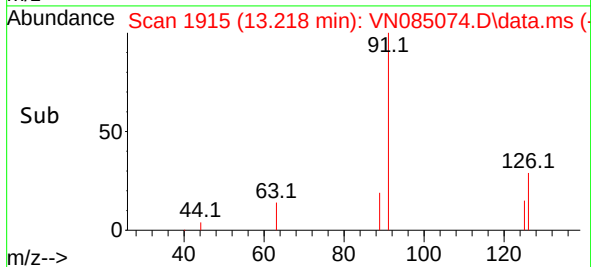
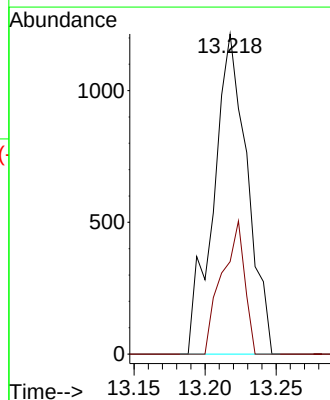
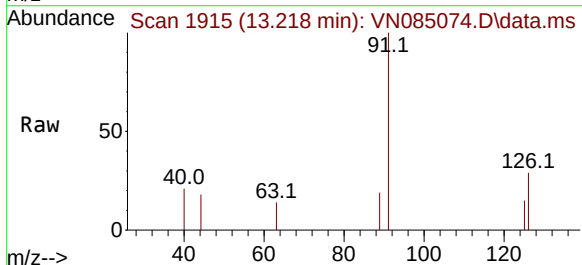
Instrument :
MSVOA_N
ClientSampleId :

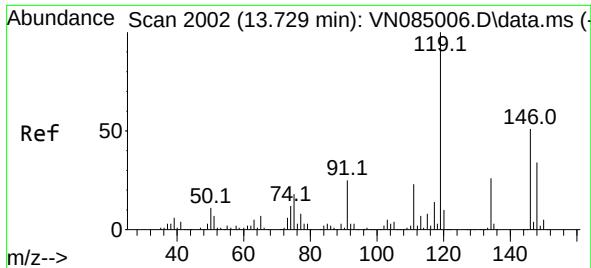
Tgt Ion: 75 Resp: 62930
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 0.317 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion: 91 Resp: 2008
Ion Ratio Lower Upper
91 100
126 28.1 16.1 48.3





#87

1,3-Dichlorobenzene

Concen: 0.427 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

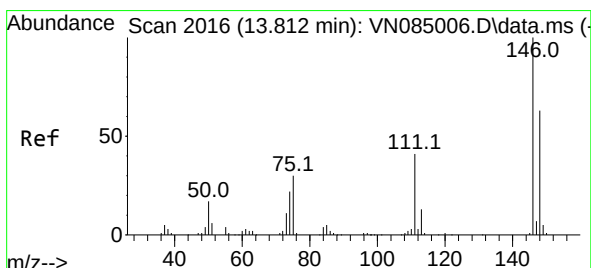
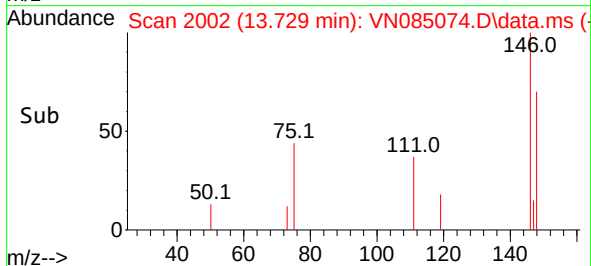
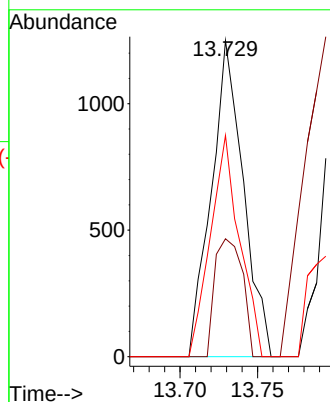
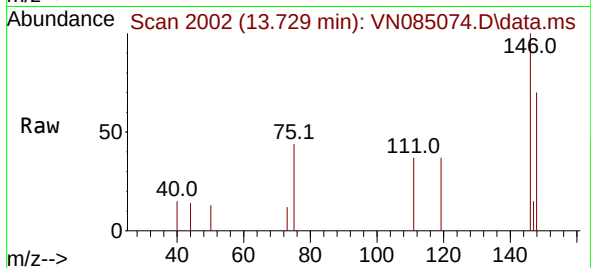
Tgt Ion:146 Resp: 1792

Ion Ratio Lower Upper

146 100

111 32.1 21.6 65.0

148 64.0 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 0.419 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

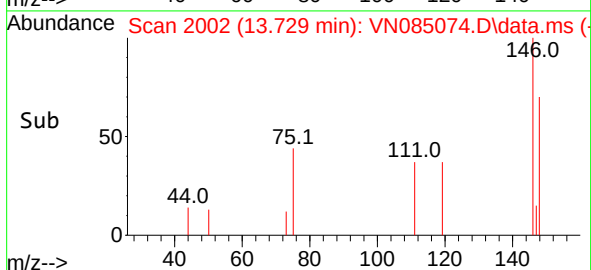
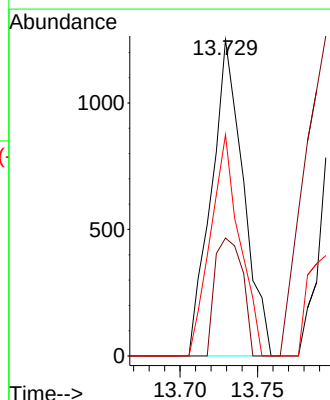
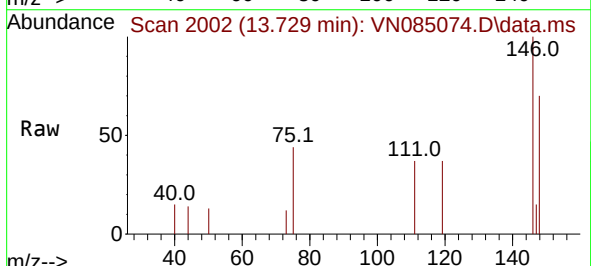
Tgt Ion:146 Resp: 1792

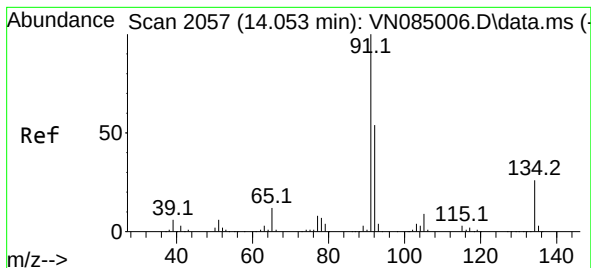
Ion Ratio Lower Upper

146 100

111 32.1 20.9 62.8

148 64.0 31.3 93.9





#89

n-Butylbenzene

Concen: 0.329 ug/l

RT: 14.059 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VN085074.D

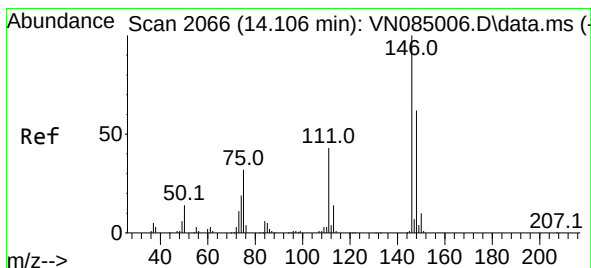
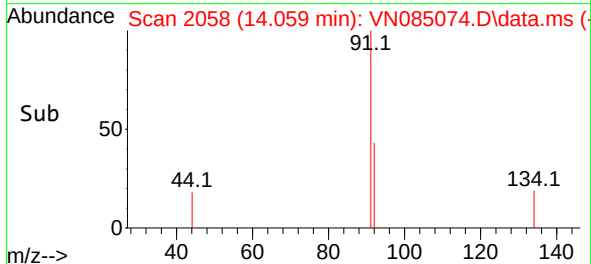
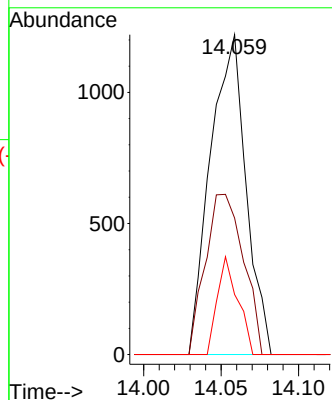
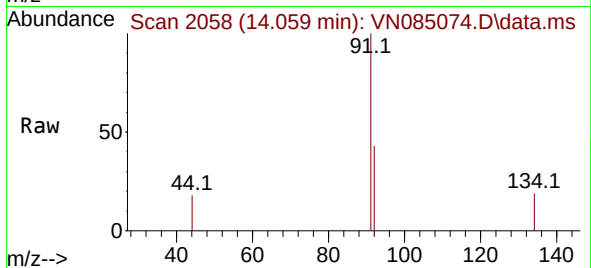
Acq: 03 Dec 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	1946
Ion	Ratio	Lower Upper
91	100	
92	53.6	26.8 80.3
134	17.6	12.8 38.4



#91

1,2-Dichlorobenzene

Concen: 0.381 ug/l

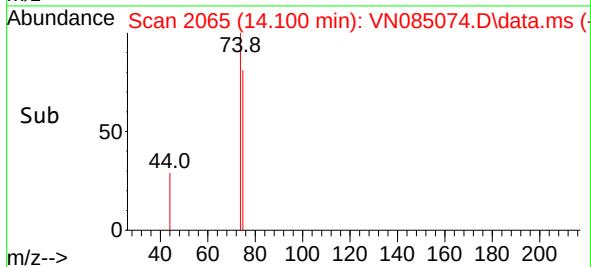
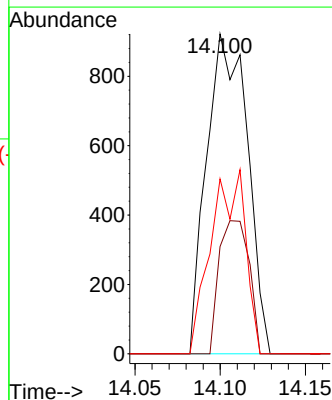
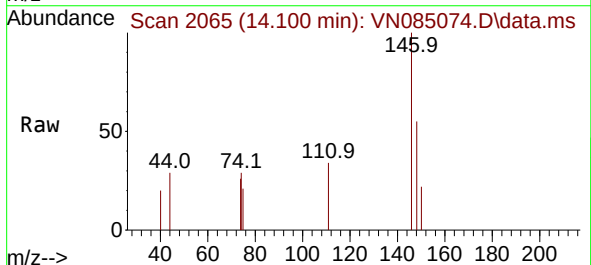
RT: 14.100 min Scan# 2065

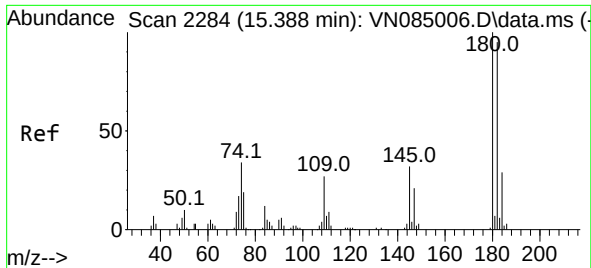
Delta R.T. -0.006 min

Lab File: VN085074.D

Acq: 03 Dec 2024 12:29

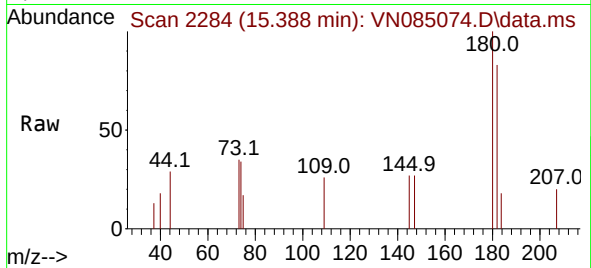
Tgt Ion: 146	Resp:	1533
Ion	Ratio	Lower Upper
146	100	
111	30.7	21.9 65.8
148	48.3	31.1 93.2



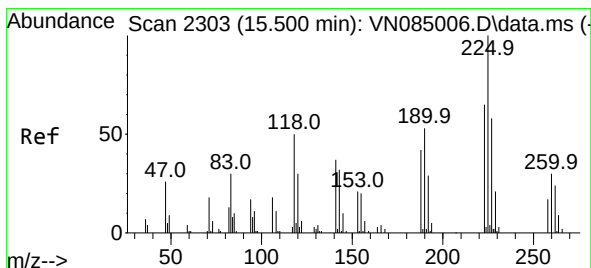
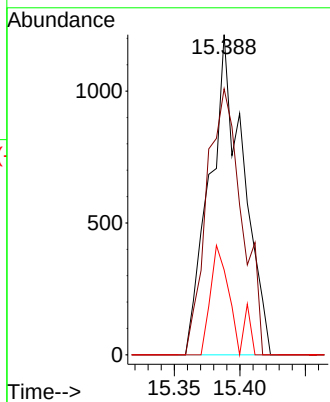
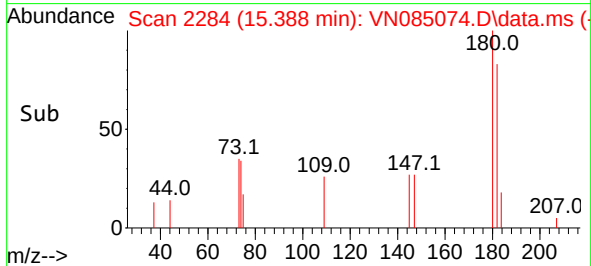


#93
1,2,4-Trichlorobenzene
Concen: 0.990 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

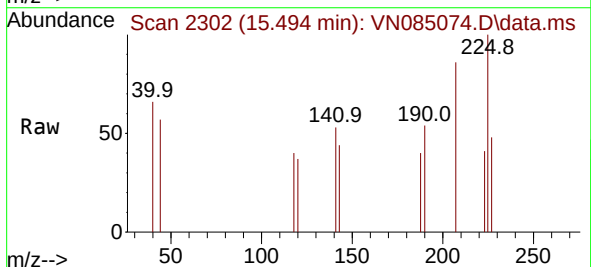
Instrument :
MSVOA_N
ClientSampleId :



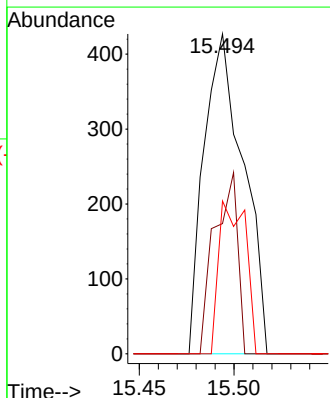
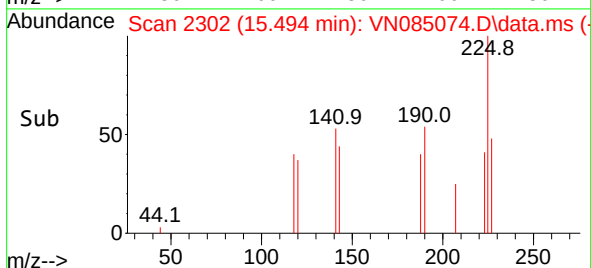
Tgt Ion:180 Resp: 2161
Ion Ratio Lower Upper
180 100
182 86.5 46.9 140.8
145 21.2 16.3 48.8

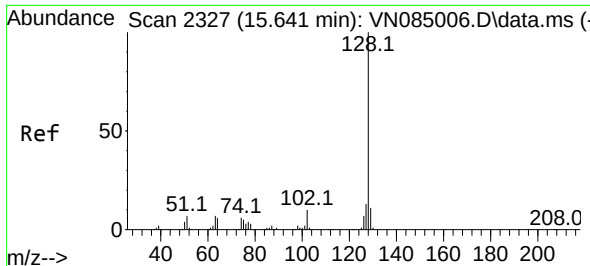


#94
Hexachlorobutadiene
Concen: 0.611 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29



Tgt Ion:225 Resp: 616
Ion Ratio Lower Upper
225 100
223 33.4 30.9 92.8
227 32.5 31.5 94.5

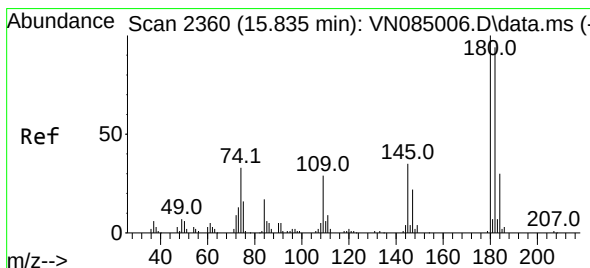
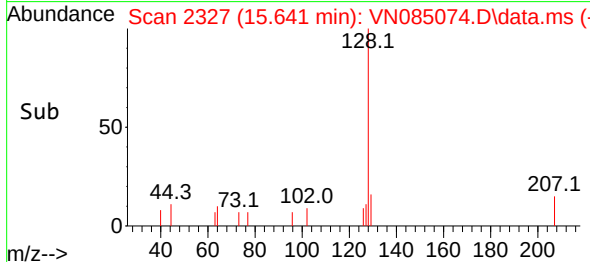
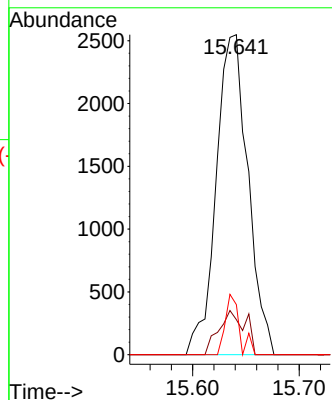
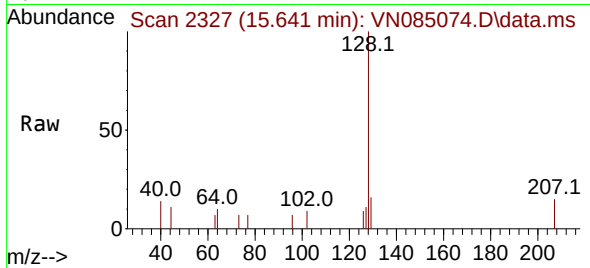




#95
Naphthalene
Concen: 0.849 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 5280
Ion Ratio Lower Upper
128 100
127 11.5 10.6 16.0
129 8.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.994 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085074.D
Acq: 03 Dec 2024 12:29

Tgt Ion:180 Resp: 2070
Ion Ratio Lower Upper
180 100
182 96.4 46.4 139.2
145 31.6 17.3 52.0

