

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084585.D
 Acq On : 30 Oct 2024 22:58
 Operator : JC\MD
 Sample : P4594-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 04:57:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

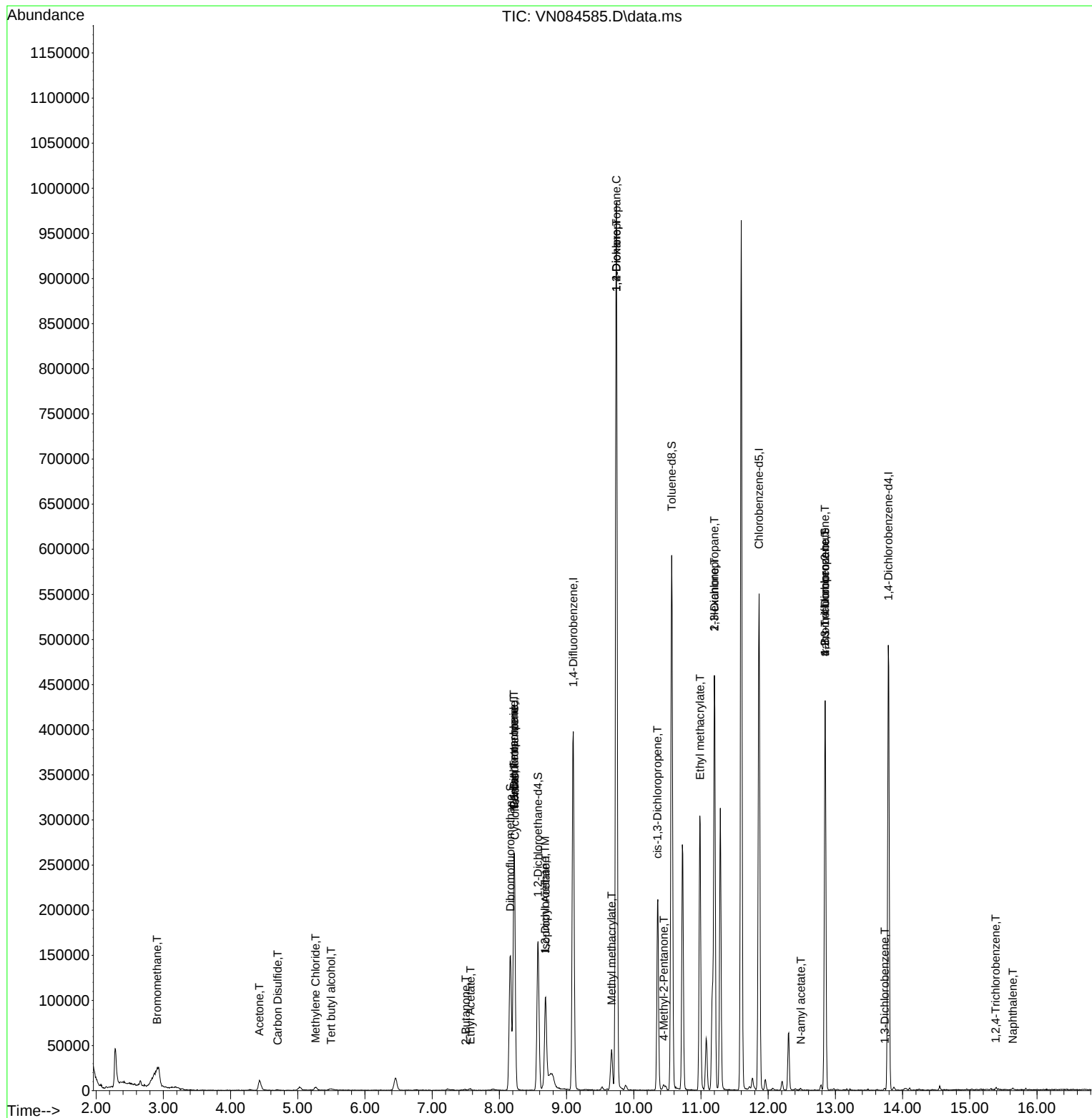
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

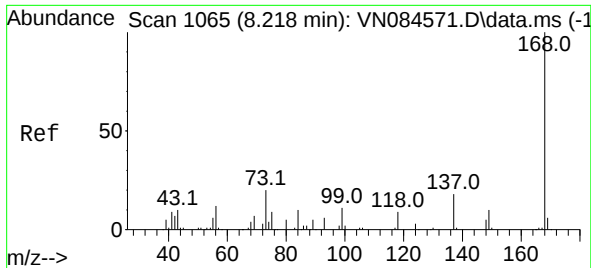
Internal Standards						
1) Pentafluorobenzene	8.224	168	191402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	342404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136614	49.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	8.165	113	109952	47.441	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.880%
50) Toluene-d8	10.565	98	413423	48.424	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.847	95	150323	47.112	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2199	Below Cal	#	72
5) Bromomethane	2.906	94	508	0.405	ug/l #	4
6) Chloroethane	3.077	64	597	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	1411	3.867	ug/l #	73
16) Acetone	4.430	43	20852	23.528	ug/l	95
17) Carbon Disulfide	4.700	76	1593	0.237	ug/l #	75
18) Methyl Acetate	5.024	43	7426	Below Cal		93
20) Methylene Chloride	5.265	84	2606	1.072	ug/l #	68
25) 2-Butanone	7.500	43	2024	1.569	ug/l #	48
31) Cyclohexane	8.230	56	4272	1.119	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15556	4.840	ug/l #	50
37) Ethyl Acetate	7.571	43	3041	1.043	ug/l #	77
38) Carbon Tetrachloride	8.218	117	19794	5.509	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	687	0.205	ug/l #	75
43) Isopropyl Acetate	8.688	43	124708	22.618	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1214	0.501	ug/l #	44
48) Methyl methacrylate	9.671	41	2893	1.275	ug/l #	40
49) 1,4-Dioxane	9.741	88	53	1.318	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8466	3.045	ug/l #	67
54) cis-1,3-Dichloropropene	10.353	75	38745	9.819	ug/l #	61
56) Ethyl methacrylate	10.988	69	1357	0.413	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4797	1.229	ug/l #	42
59) 2-Hexanone	11.200	43	58125	28.723	ug/l #	55
74) N-amyl acetate	12.488	43	1533	0.394	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	77304	29.677	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77304	70.406	ug/l #	11
87) 1,3-Dichlorobenzene	13.735	146	1154	0.241	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1154	Below Cal		93
93) 1,2,4-Trichlorobenzene	15.388	180	884	0.351	ug/l #	85
95) Naphthalene	15.641	128	1754	0.233	ug/l #	78

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

Instrument :
MSVOA_N
ClientSampleId :

Instrument :
MSVOA_N
ClientSampleId :

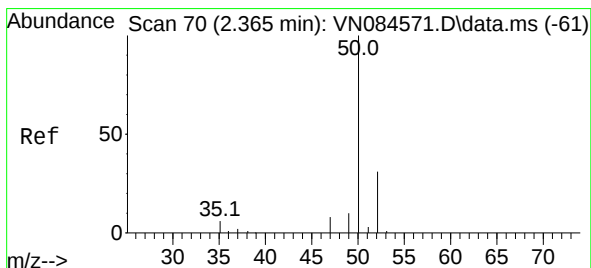
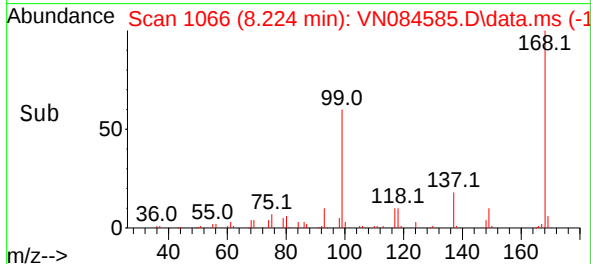
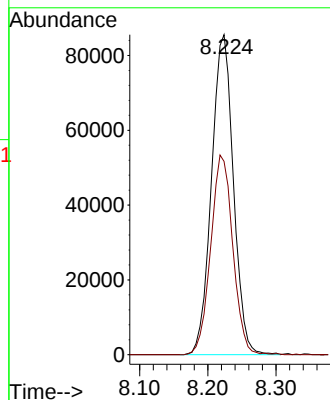
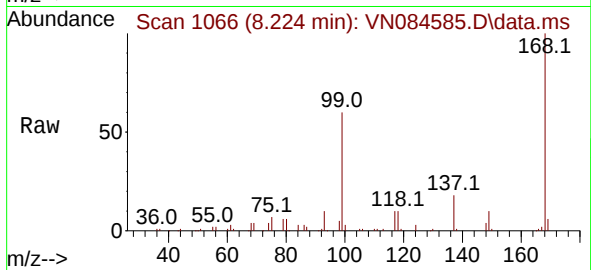




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

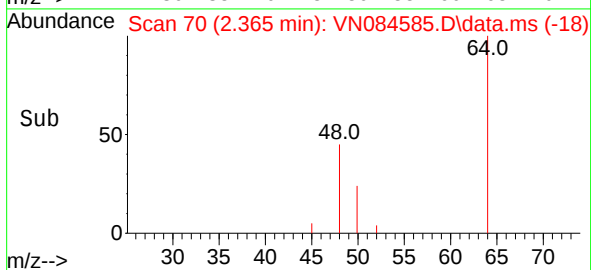
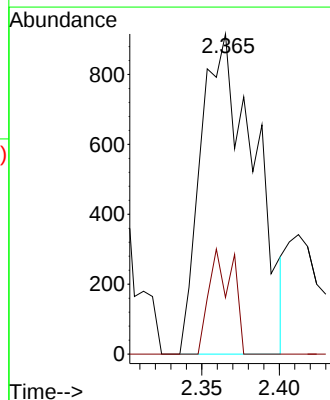
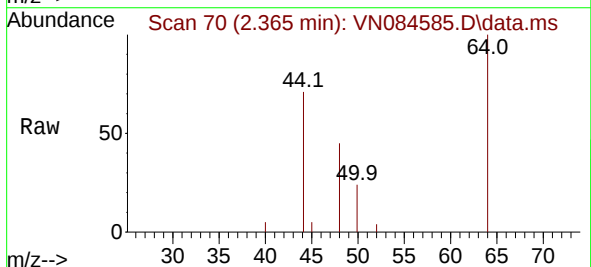
Instrument :
MSVOA_N
ClientSampleId :

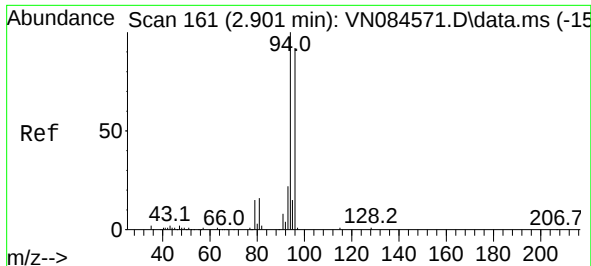
Tgt Ion:168 Resp: 191402
Ion Ratio Lower Upper
168 100
99 60.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Tgt Ion: 50 Resp: 2199
Ion Ratio Lower Upper
50 100
52 17.7 26.8 40.2#

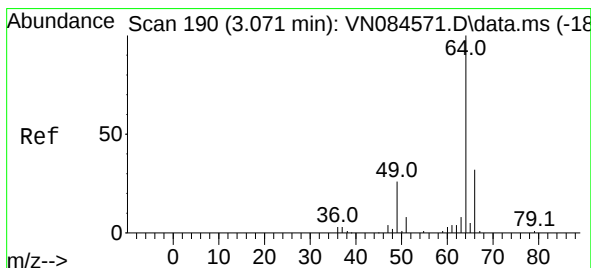
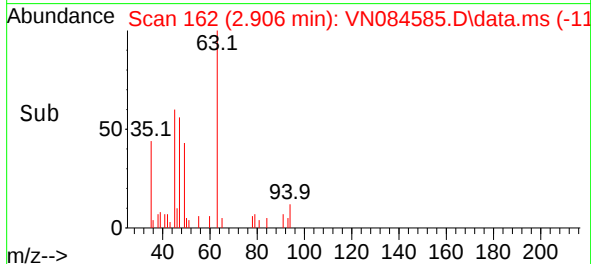
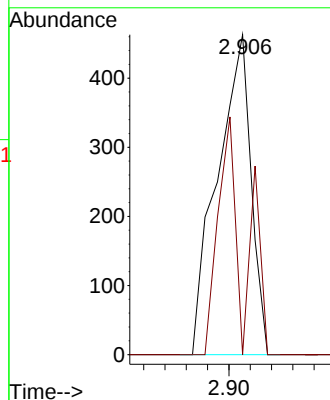
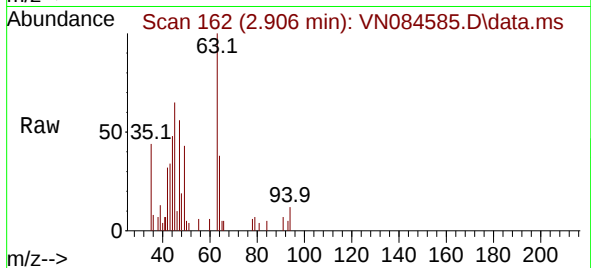




#5
Bromomethane
Concen: 0.405 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

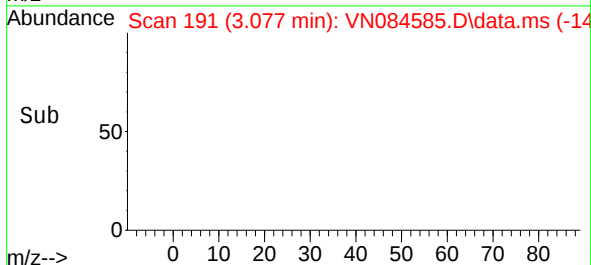
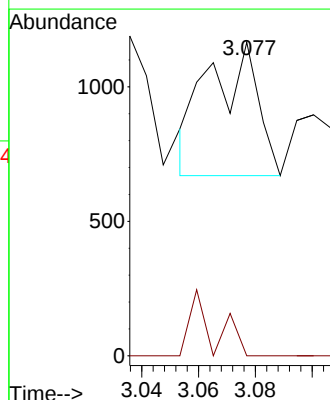
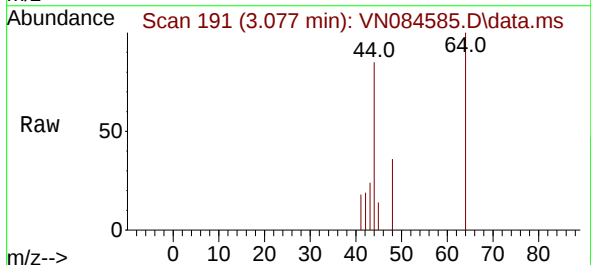
Instrument :
MSVOA_N
ClientSampleId :

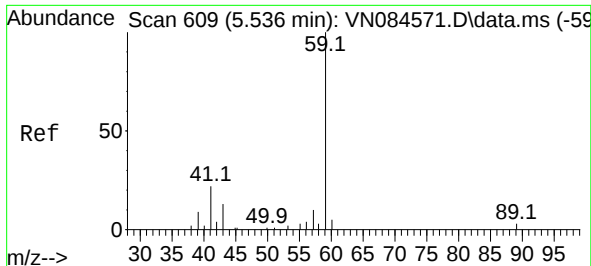
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Tgt Ion: 64 Resp: 597
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

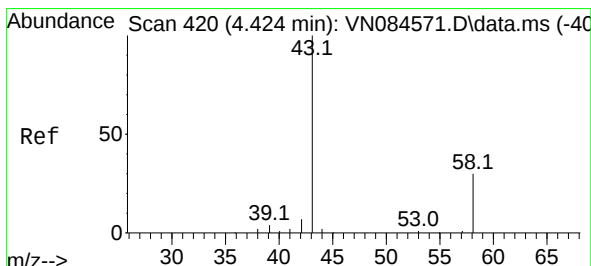
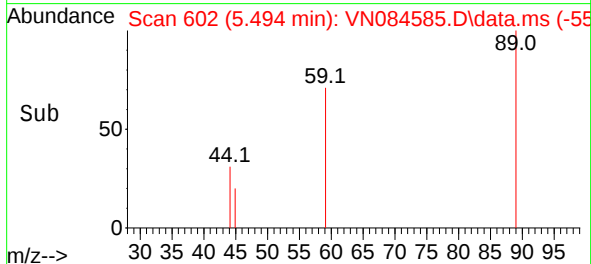
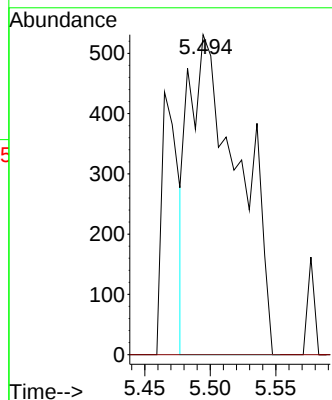
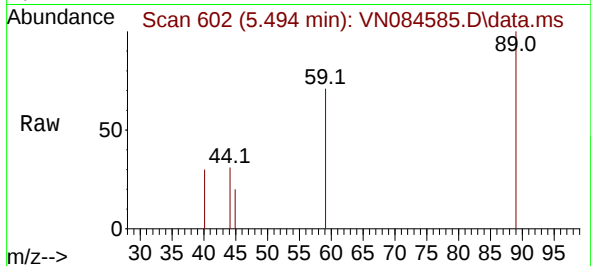




#11
Tert butyl alcohol
Concen: 3.867 ug/l
RT: 5.494 min Scan# 609
Delta R.T. -0.029 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

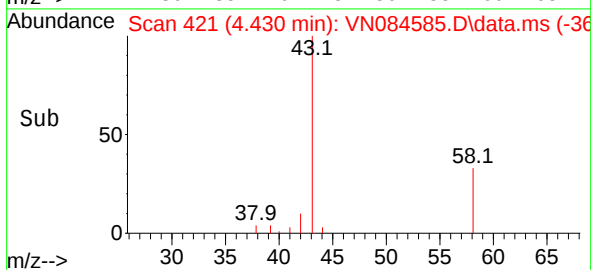
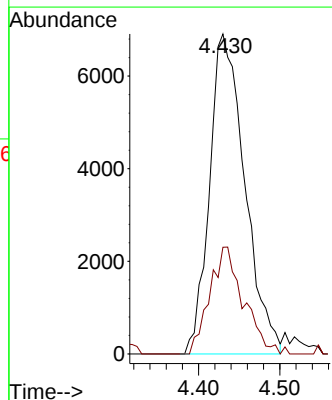
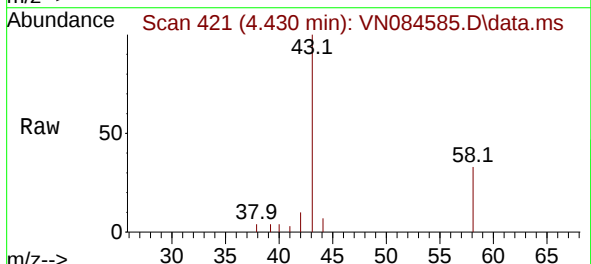
Instrument :
MSVOA_N
ClientSampleId :

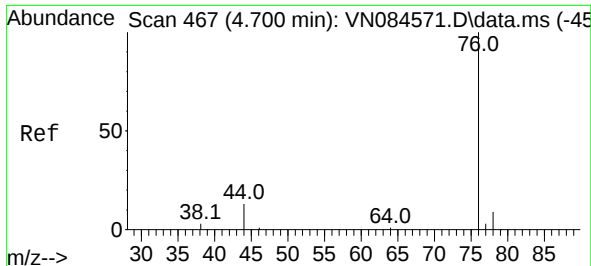
Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 23.528 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

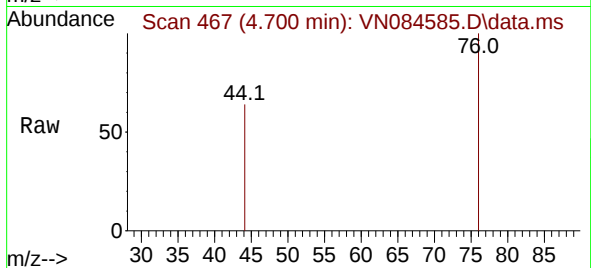
Tgt Ion: 43 Resp: 20852
Ion Ratio Lower Upper
43 100
58 33.3 24.4 36.6



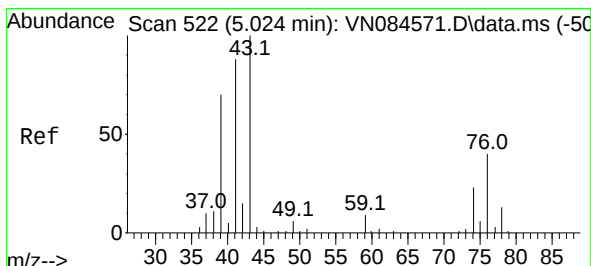
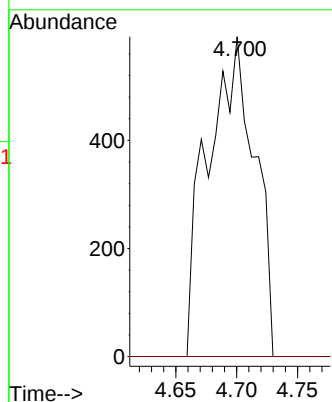
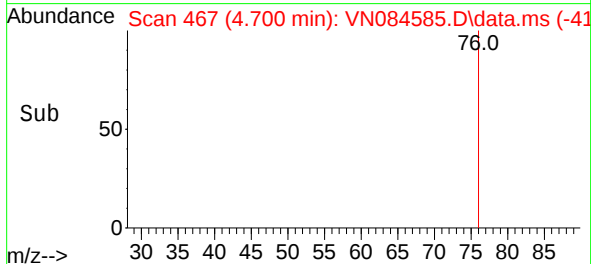


#17
Carbon Disulfide
Concen: 0.237 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Instrument :
MSVOA_N
ClientSampleId :

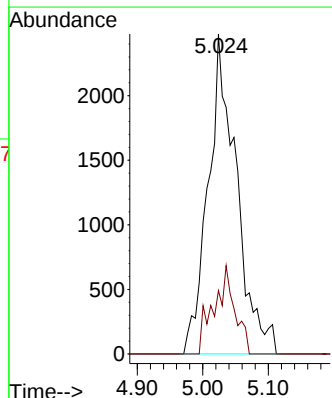
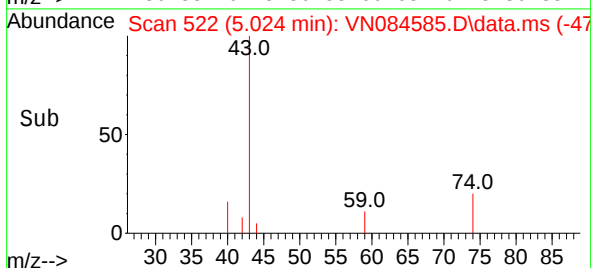
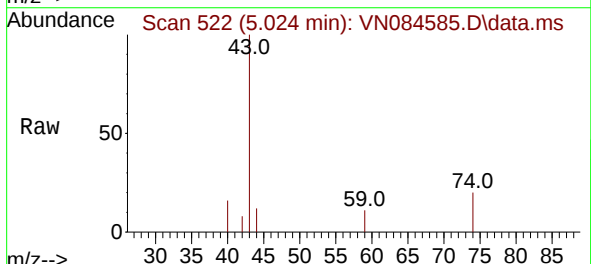


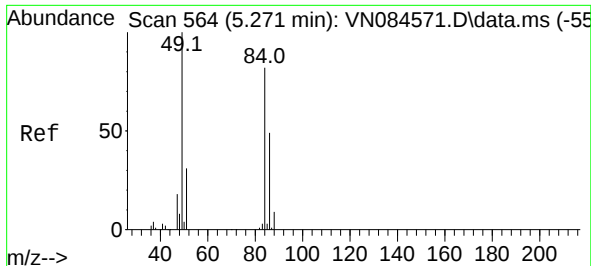
Tgt Ion: 76 Resp: 1593
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

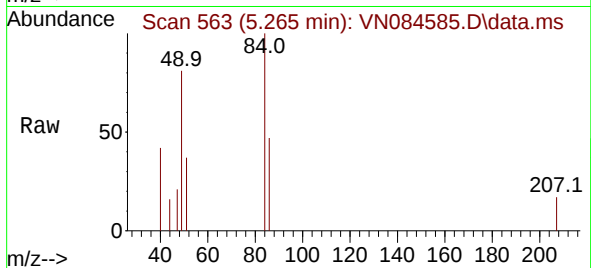
Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
74 20.5 19.2 28.8



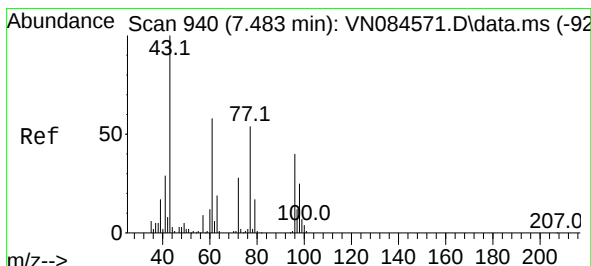
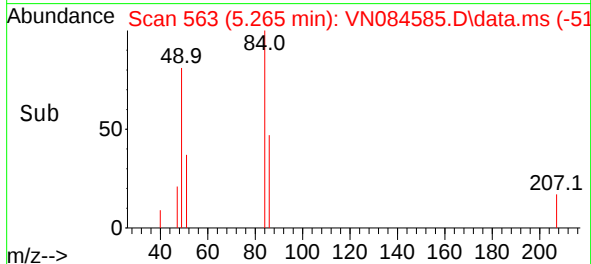
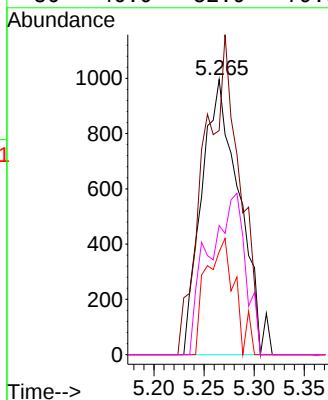


#20
Methylene Chloride
Concen: 1.072 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Instrument :
MSVOA_N
ClientSampleId :

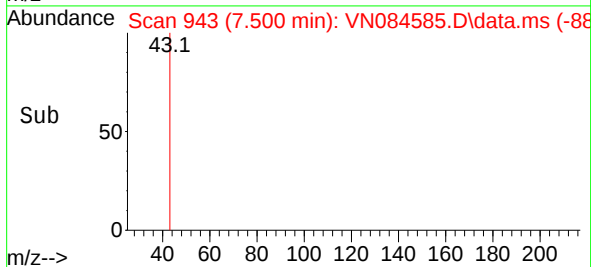
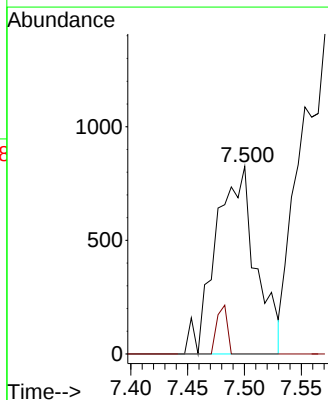
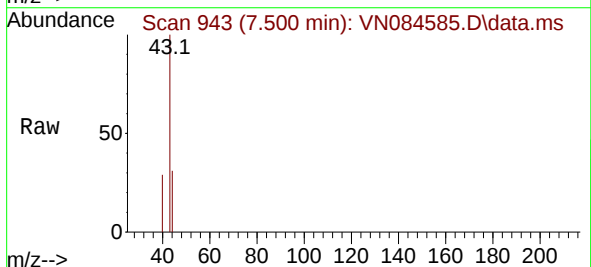


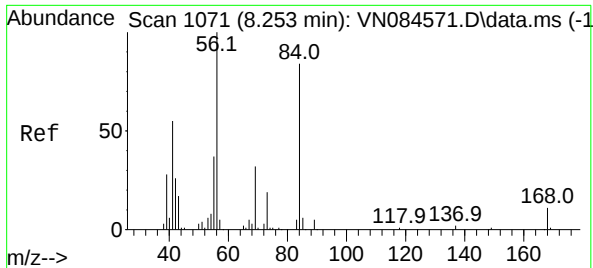
Tgt Ion:	84	Resp:	2606
Ion	Ratio	Lower	Upper
84	100		
49	81.4	107.2	160.8#
51	37.3	31.8	47.8
86	46.9	52.9	79.3#



#25
2-Butanone
Concen: 1.569 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

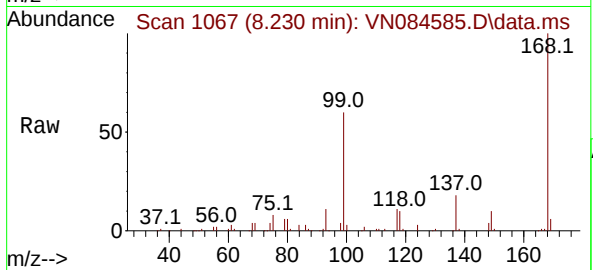
Tgt Ion:	43	Resp:	2024
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#



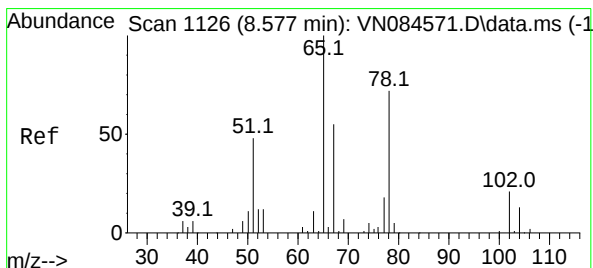
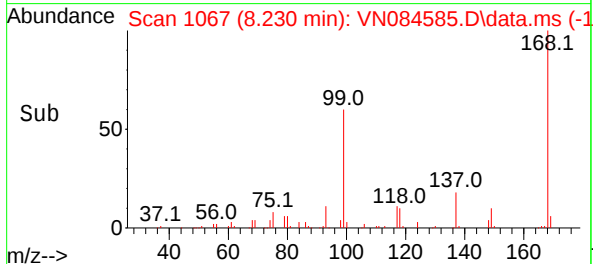
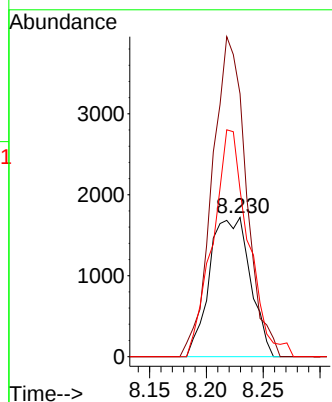


#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Instrument :
MSVOA_N
ClientSampleId :

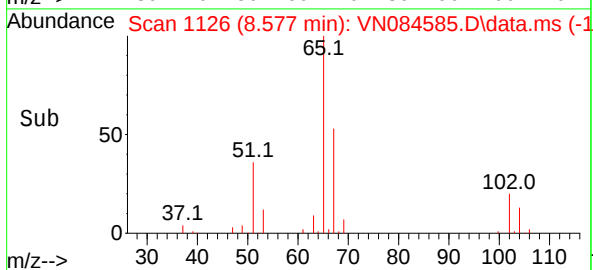
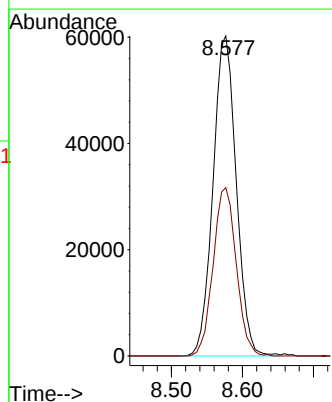
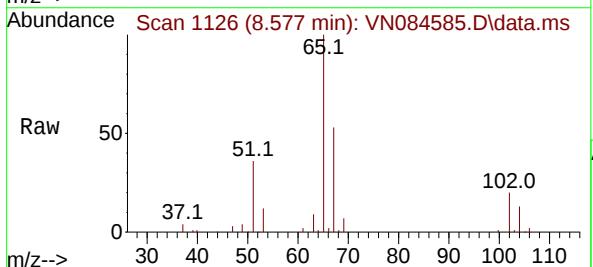


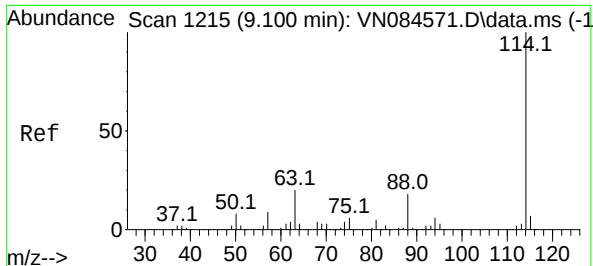
Tgt Ion: 56 Resp: 4272
Ion Ratio Lower Upper
56 100
69 188.9 23.8 35.6#
84 120.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 49.417 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Tgt Ion: 65 Resp: 136614
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0

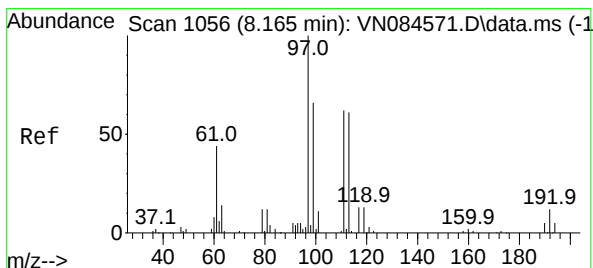
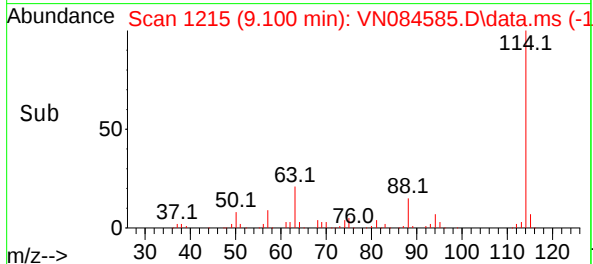
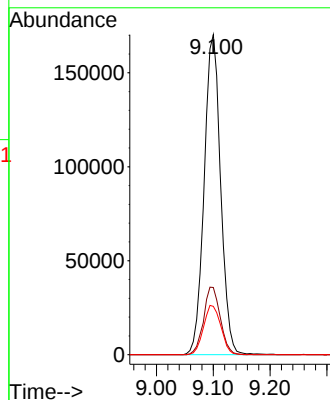
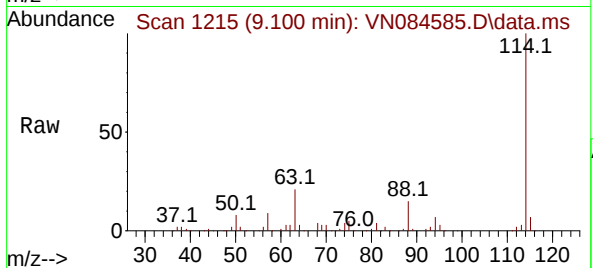




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

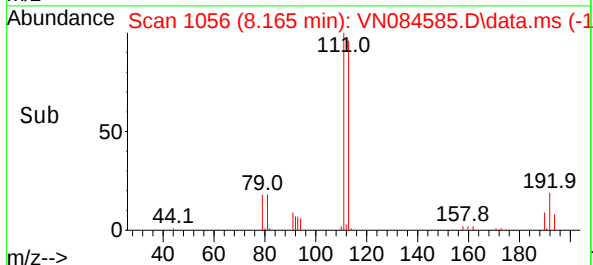
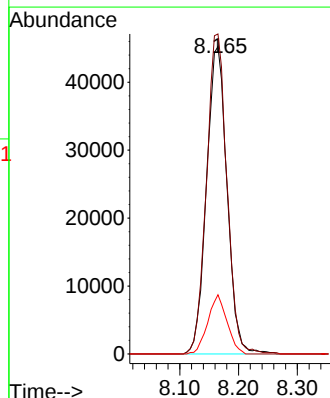
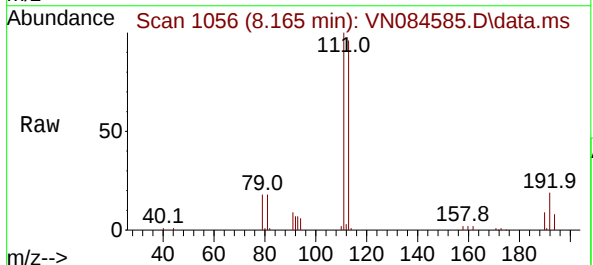
Instrument :
MSVOA_N
ClientSampleId :

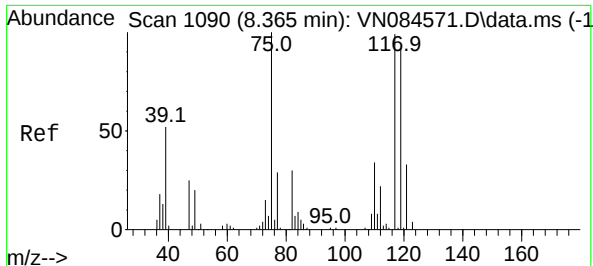
Tgt Ion:114 Resp: 342404
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.8
88 15.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.441 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

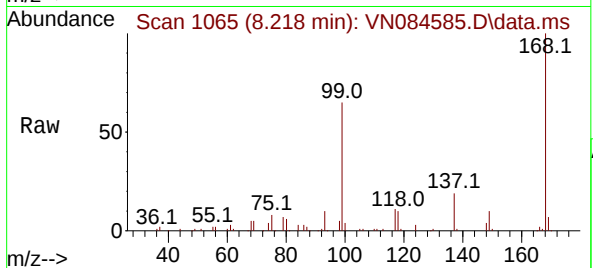
Tgt Ion:113 Resp: 109952
Ion Ratio Lower Upper
113 100
111 103.2 83.3 124.9
192 18.0 13.5 20.3



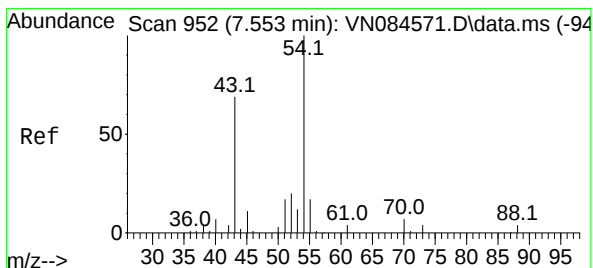
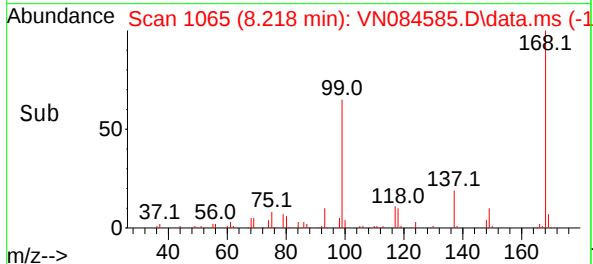
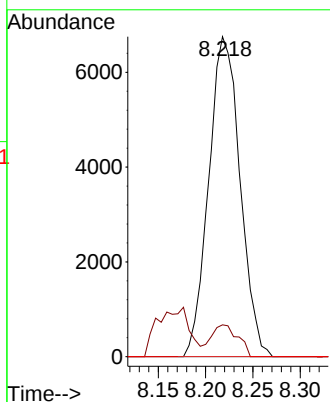


#36
1,1-Dichloropropene
Concen: 4.840 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Instrument :
MSVOA_N
ClientSampleId :

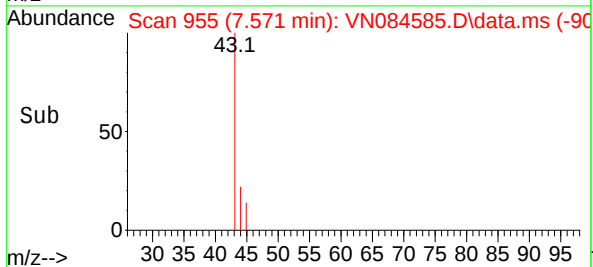
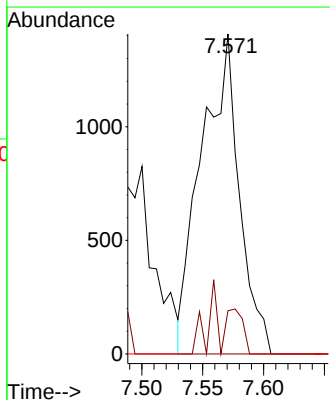
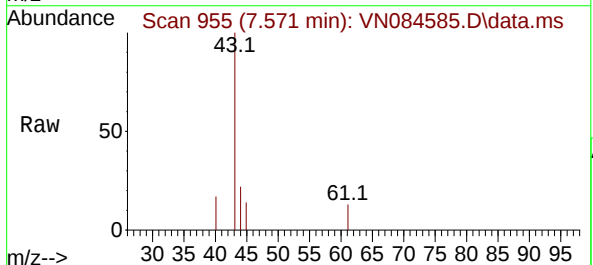


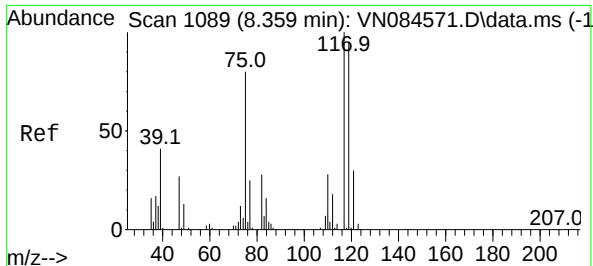
Tgt Ion: 75 Resp: 15556
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.043 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Tgt Ion: 43 Resp: 3041
Ion Ratio Lower Upper
43 100
61 6.3 10.7 16.1#
70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.141 min

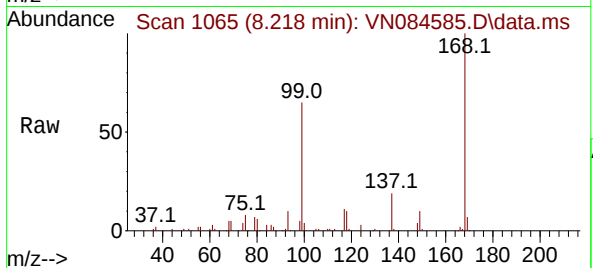
Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :



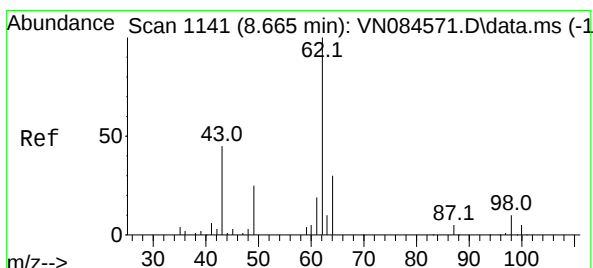
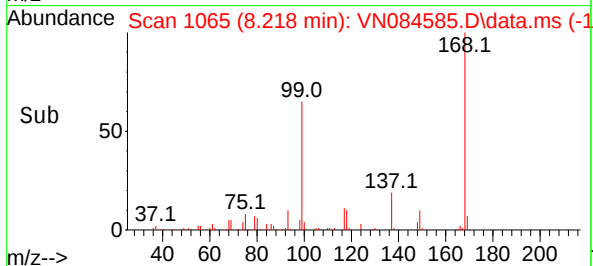
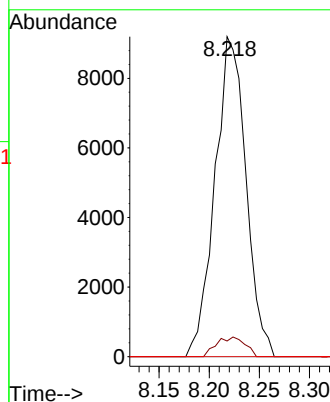
Tgt Ion:117 Resp: 19794

Ion Ratio Lower Upper

117 100

119 4.9 78.7 118.1#

121 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN084585.D

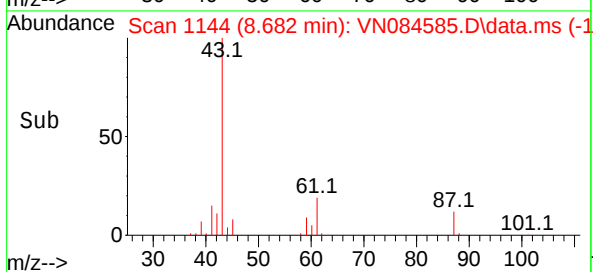
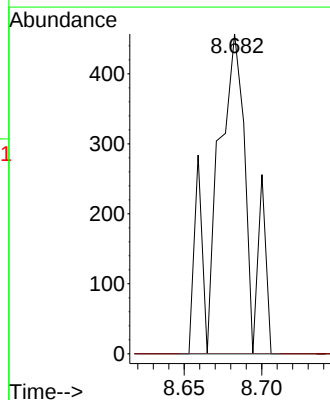
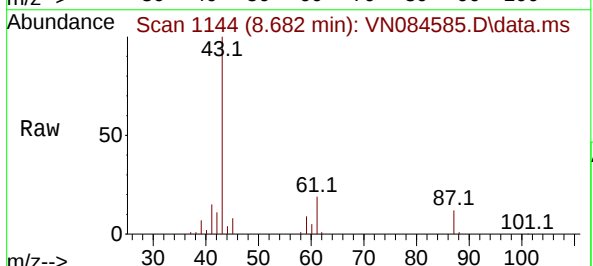
Acq: 30 Oct 2024 22:58

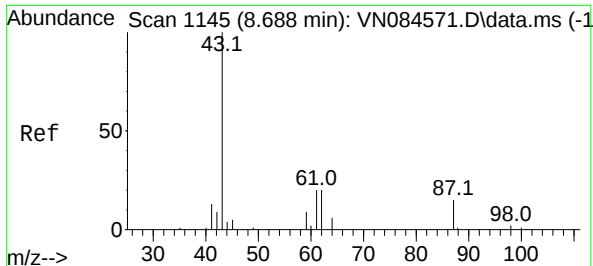
Tgt Ion: 62 Resp: 687

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 22.618 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :

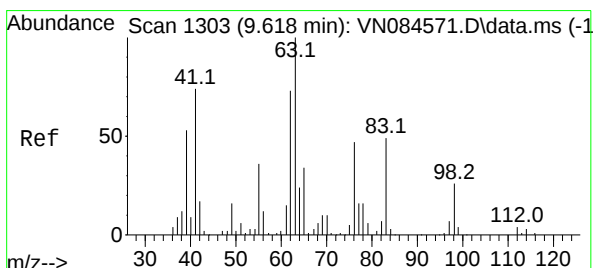
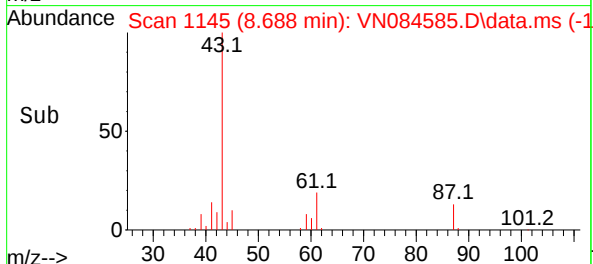
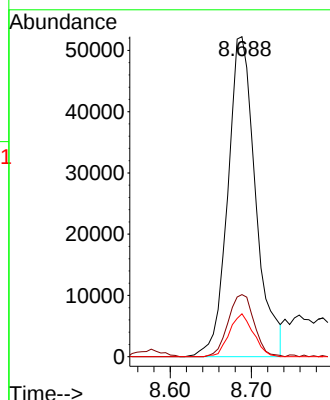
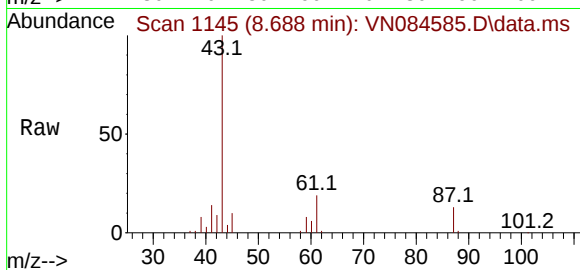
Tgt Ion: 43 Resp: 124708

Ion Ratio Lower Upper

43 100

61 18.0 20.4 30.6#

87 11.5 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.501 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084585.D

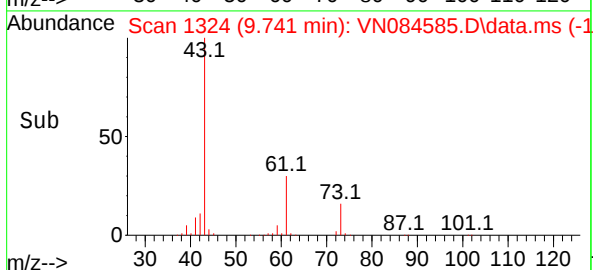
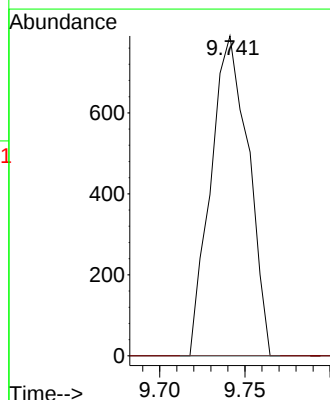
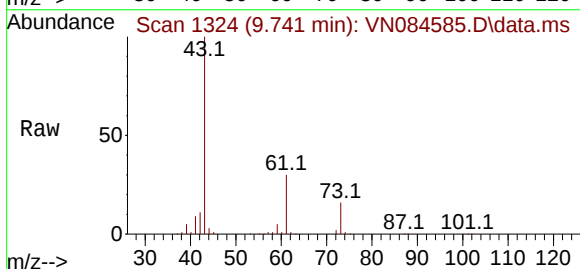
Acq: 30 Oct 2024 22:58

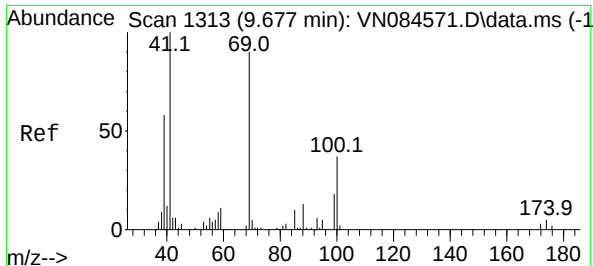
Tgt Ion: 63 Resp: 1214

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.275 ug/l

RT: 9.671 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :

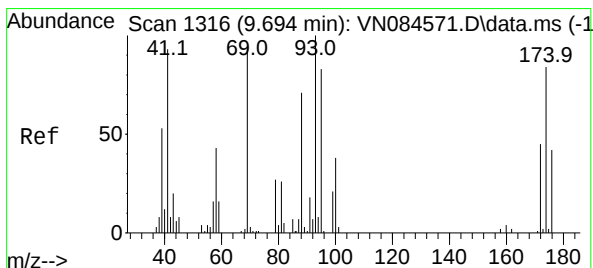
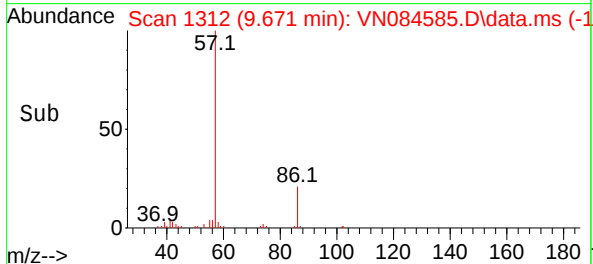
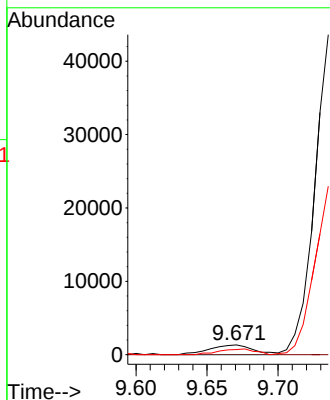
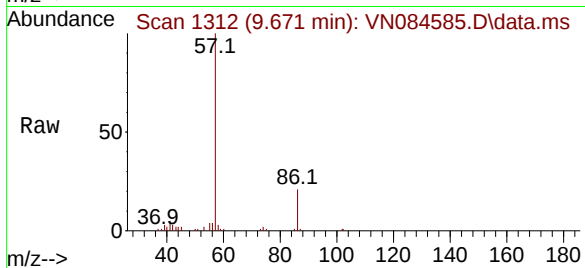
Tgt Ion: 41 Resp: 2893

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 48.0 45.8 68.6



#49

1,4-Dioxane

Concen: 1.318 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

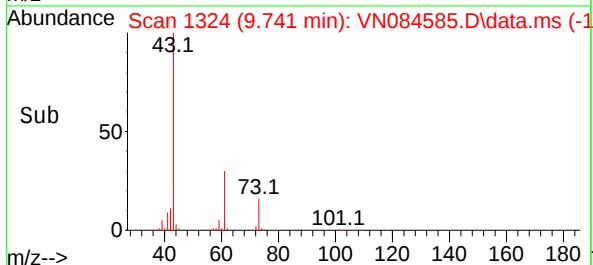
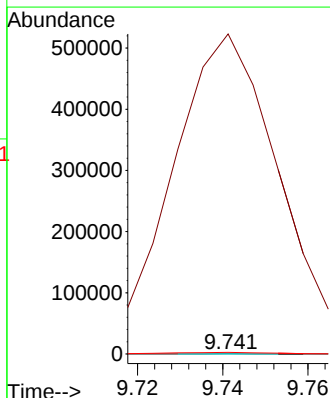
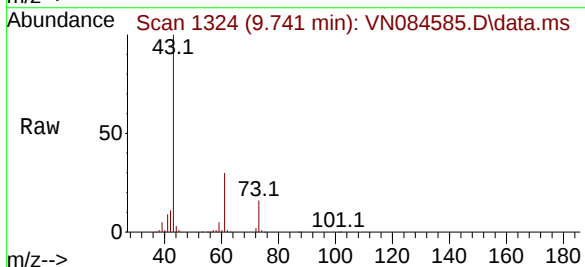
Tgt Ion: 88 Resp: 53

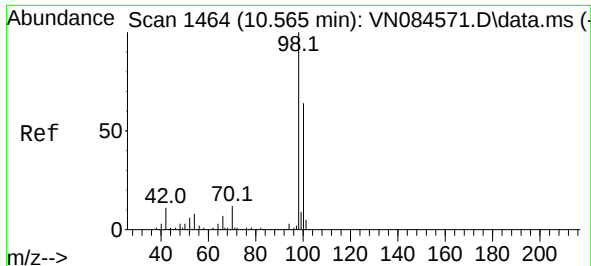
Ion Ratio Lower Upper

88 100

43 1758352.8 25.3 37.9#

58 8677.4 56.4 84.6#

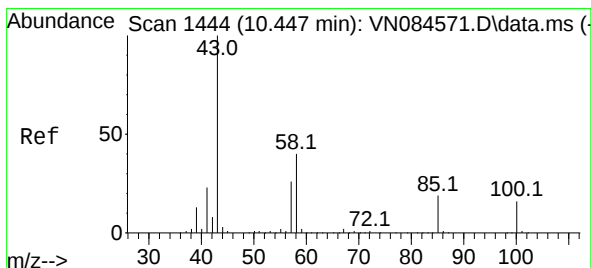
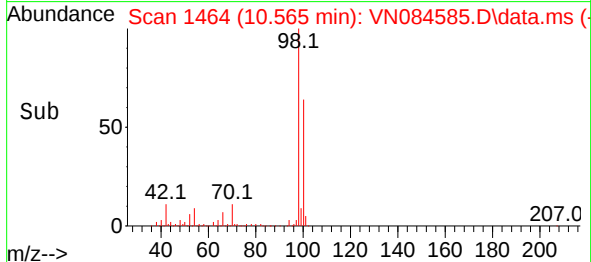
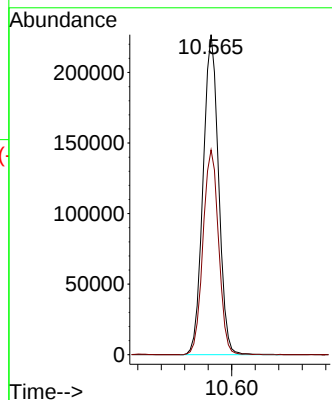
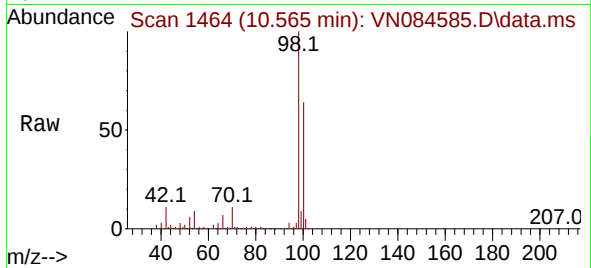




#50
Toluene-d8
Concen: 48.424 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

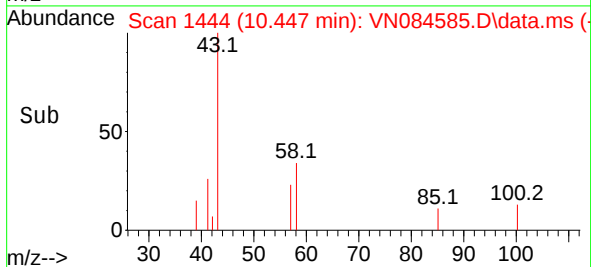
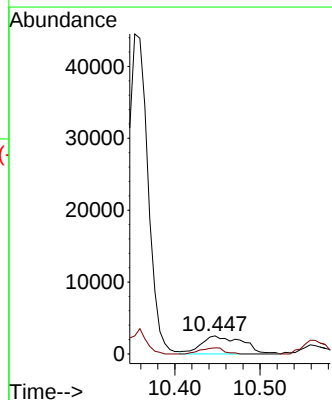
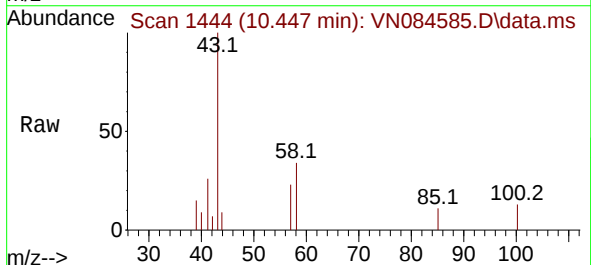
Instrument :
MSVOA_N
ClientSampleId :

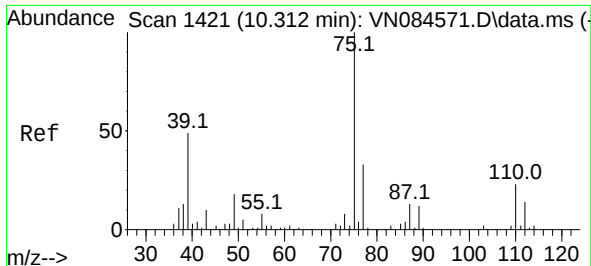
Tgt Ion: 98 Resp: 413423
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.045 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084585.D
Acq: 30 Oct 2024 22:58

Tgt Ion: 43 Resp: 8466
Ion Ratio Lower Upper
43 100
58 19.3 31.6 47.4#





#54

cis-1,3-Dichloropropene

Concen: 9.819 ug/l

RT: 10.353 min Scan# 1421

Delta R.T. 0.041 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :

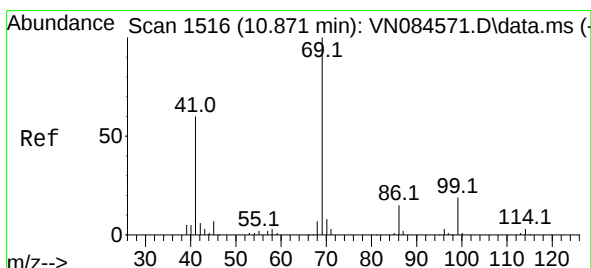
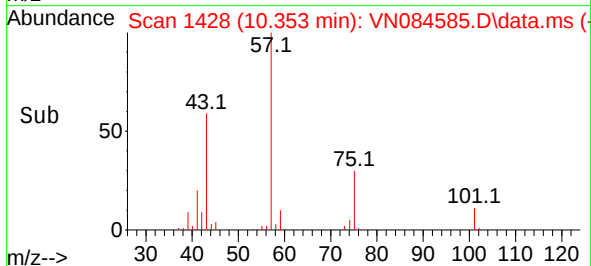
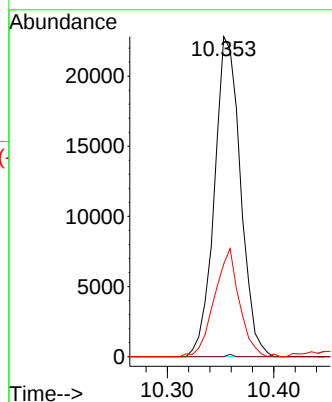
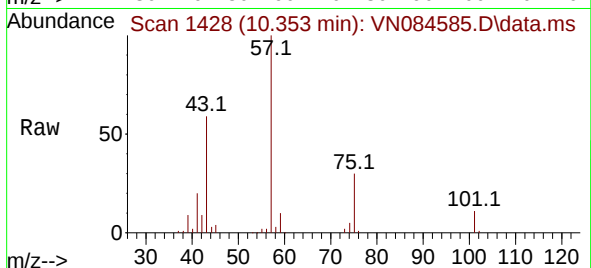
Tgt Ion: 75 Resp: 38745

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 29.0 38.7 58.1#



#56

Ethyl methacrylate

Concen: 0.413 ug/l

RT: 10.988 min Scan# 1536

Delta R.T. 0.118 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

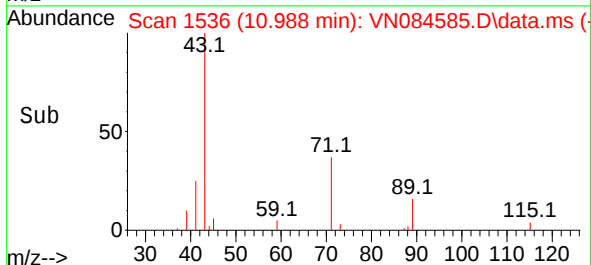
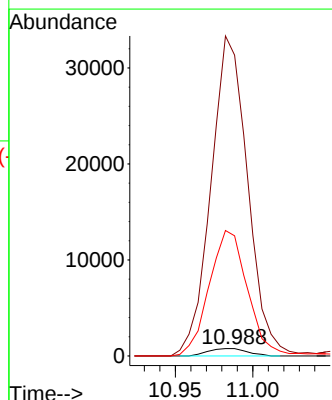
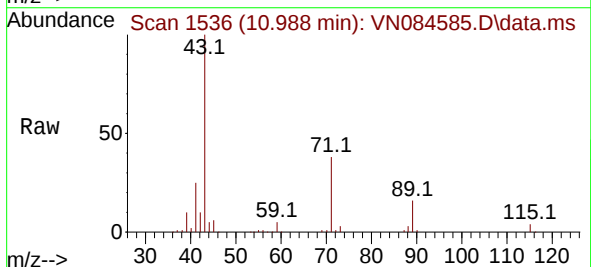
Tgt Ion: 69 Resp: 1357

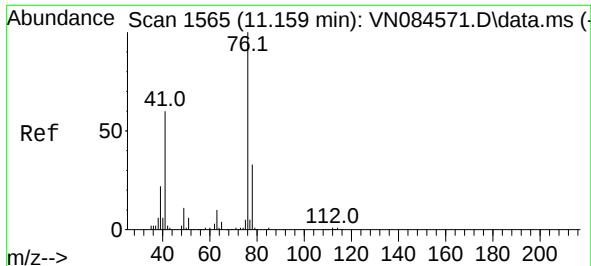
Ion Ratio Lower Upper

69 100

41 4062.3 53.3 79.9#

39 1669.9 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.229 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

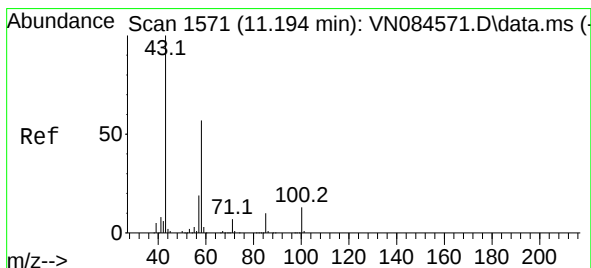
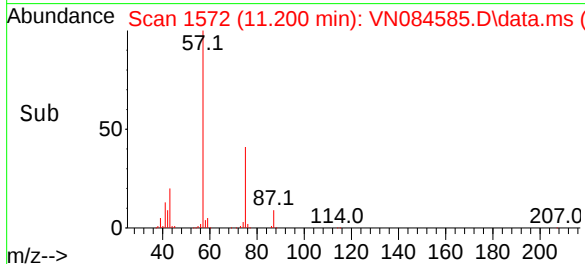
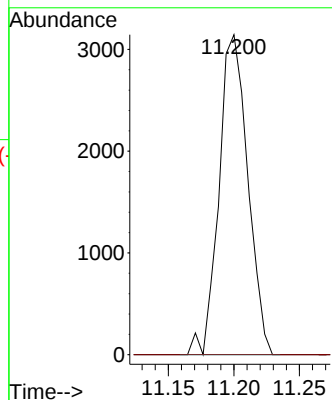
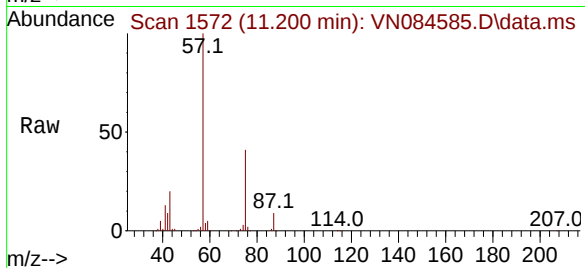
ClientSampleId :

Tgt Ion: 76 Resp: 4797

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.723 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084585.D

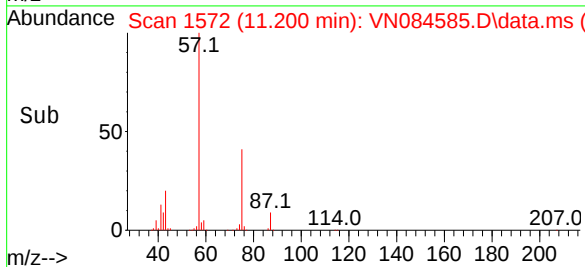
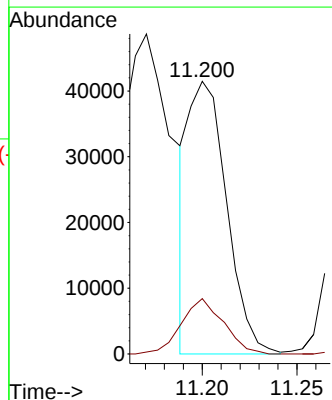
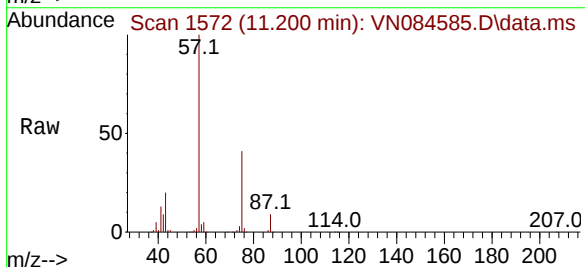
Acq: 30 Oct 2024 22:58

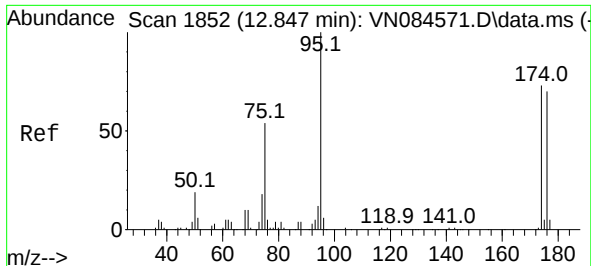
Tgt Ion: 43 Resp: 58125

Ion Ratio Lower Upper

43 100

58 22.4 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 47.112 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :

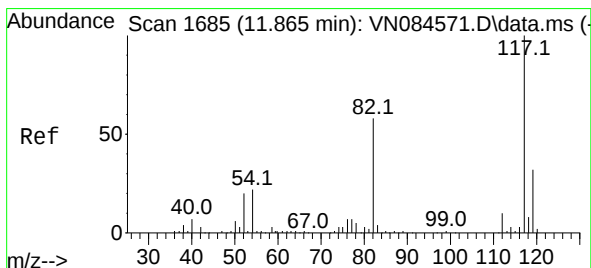
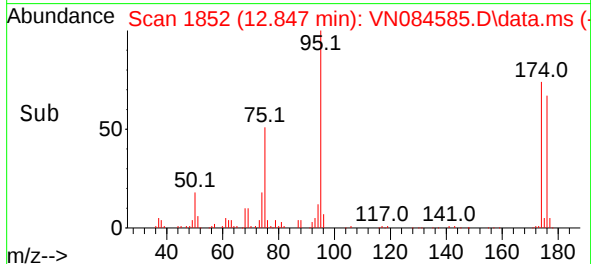
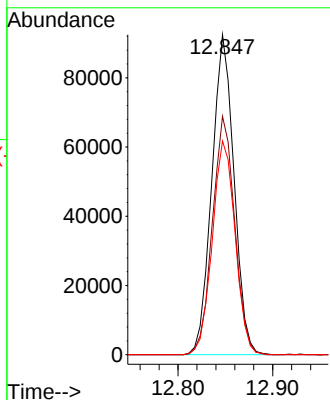
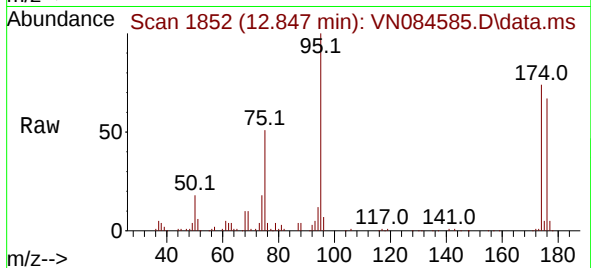
Tgt Ion: 95 Resp: 150323

Ion Ratio Lower Upper

95 100

174 74.9 0.0 145.2

176 68.8 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

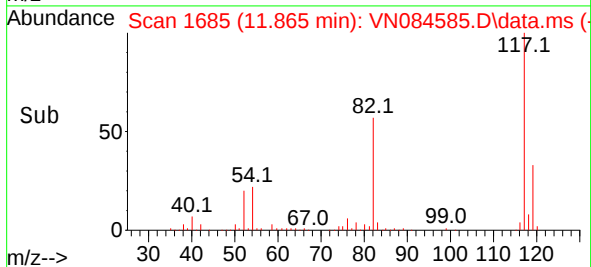
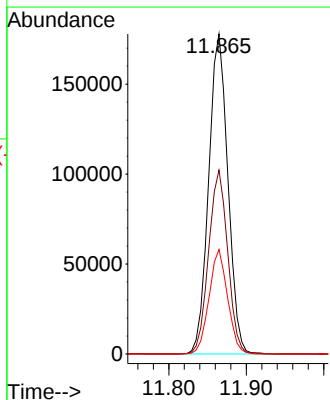
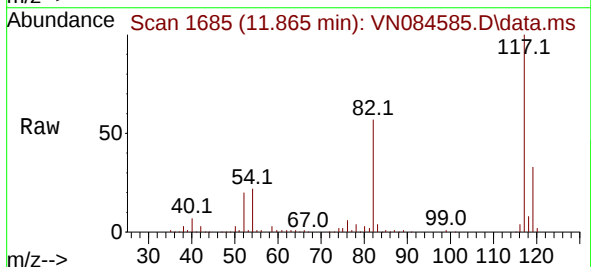
Tgt Ion: 117 Resp: 306565

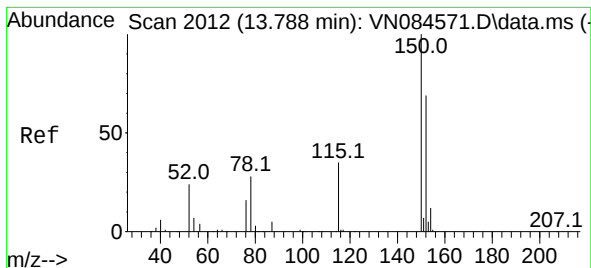
Ion Ratio Lower Upper

117 100

82 57.5 47.2 70.8

119 32.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

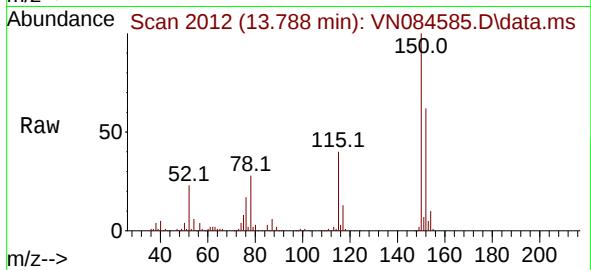
Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :



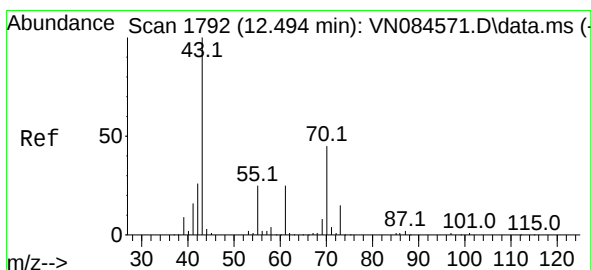
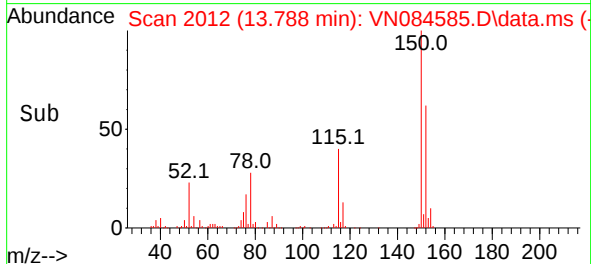
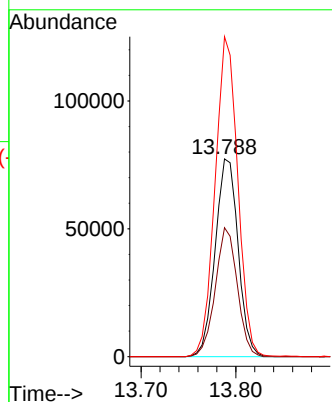
Tgt Ion:152 Resp: 130310

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.9

150 159.3 0.0 349.8



#74

N-ethyl acetate

Concen: 0.394 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Tgt Ion: 43 Resp: 1533

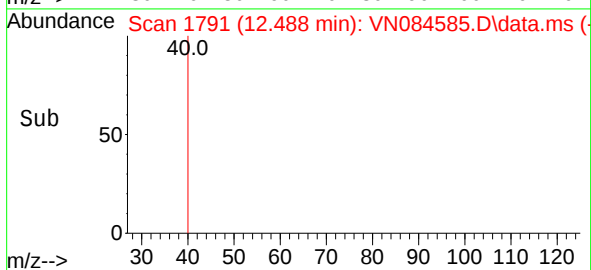
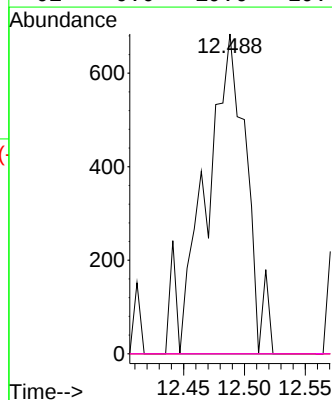
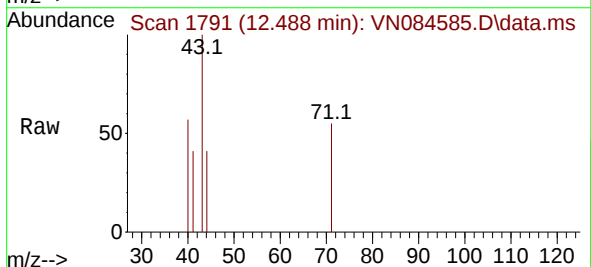
Ion Ratio Lower Upper

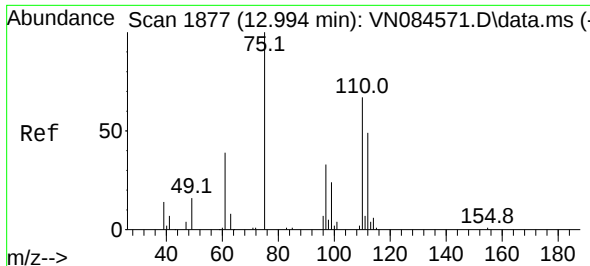
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#





#76

1,2,3-Trichloropropane

Concen: 29.677 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

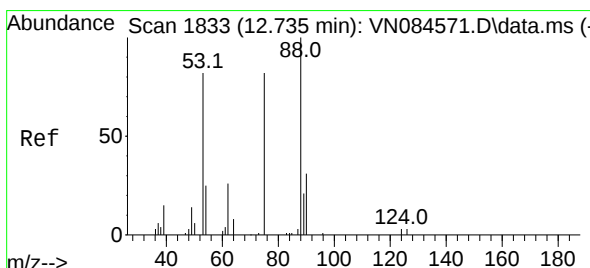
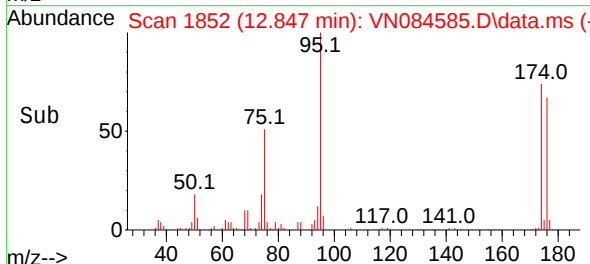
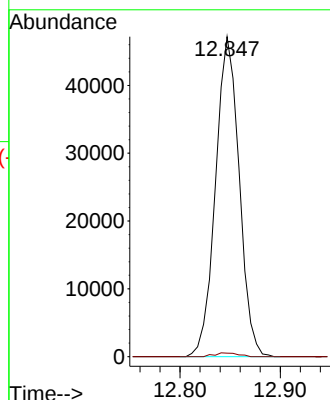
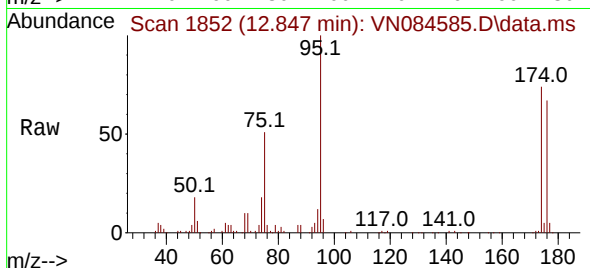
ClientSampleId :

Tgt Ion: 75 Resp: 77304

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.406 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

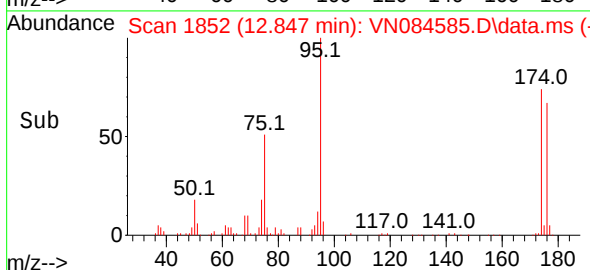
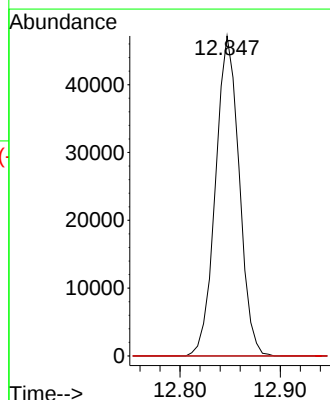
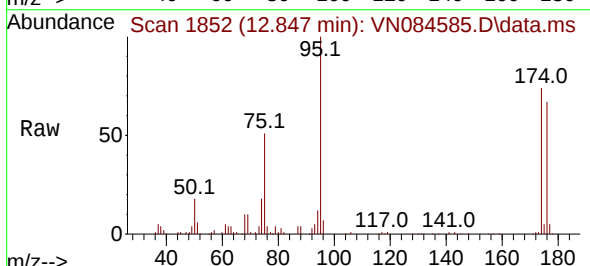
Tgt Ion: 75 Resp: 77304

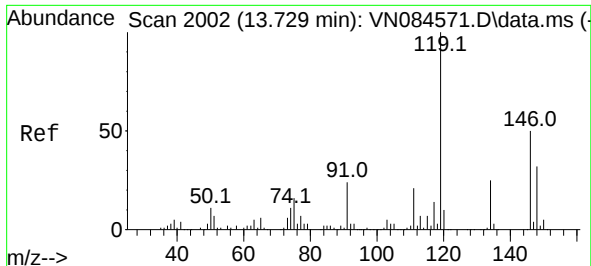
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#87

1,3-Dichlorobenzene

Concen: 0.241 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :

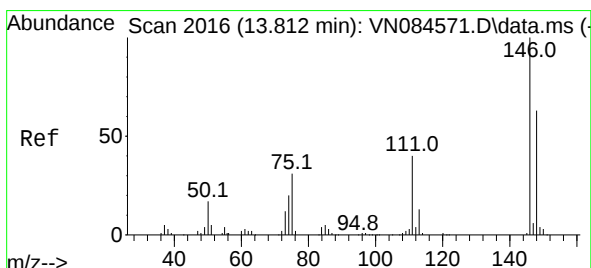
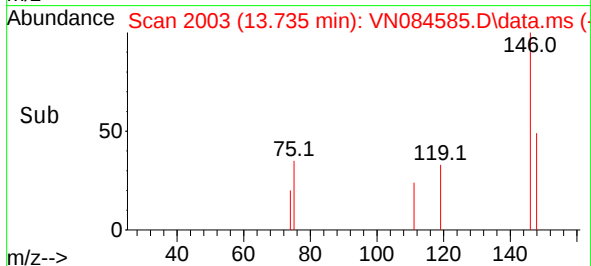
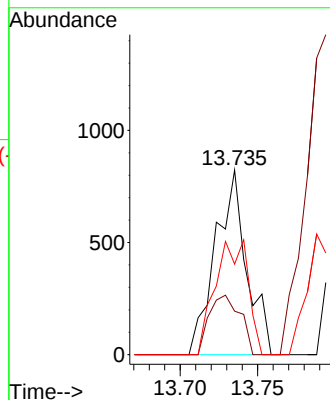
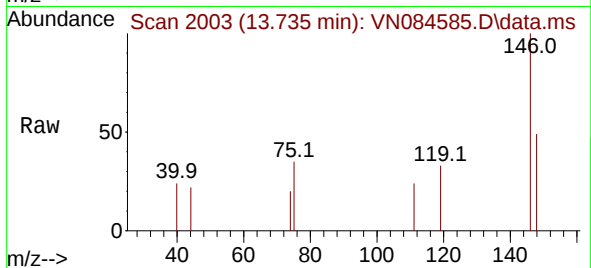
Tgt Ion:146 Resp: 1154

Ion Ratio Lower Upper

146 100

111 32.0 21.8 65.3

148 65.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.735 min Scan# 2003

Delta R.T. -0.077 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

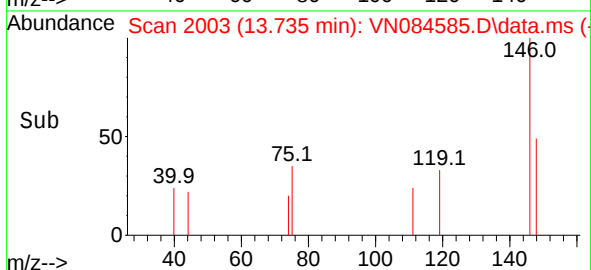
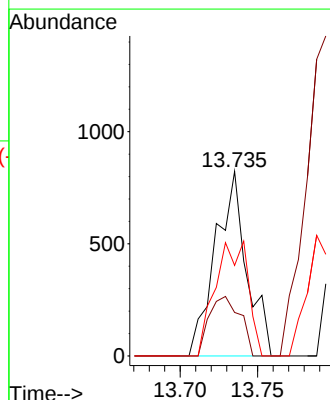
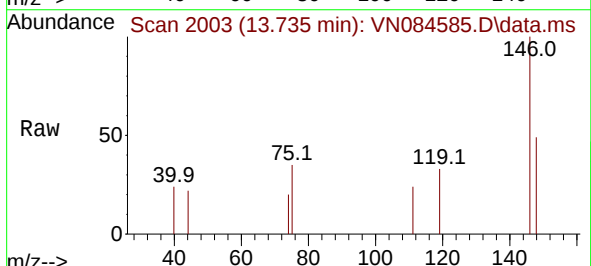
Tgt Ion:146 Resp: 1154

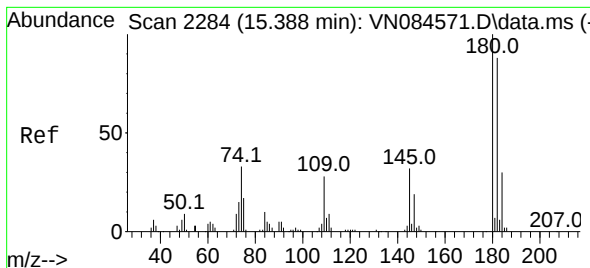
Ion Ratio Lower Upper

146 100

111 32.0 21.2 63.6

148 65.0 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.351 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

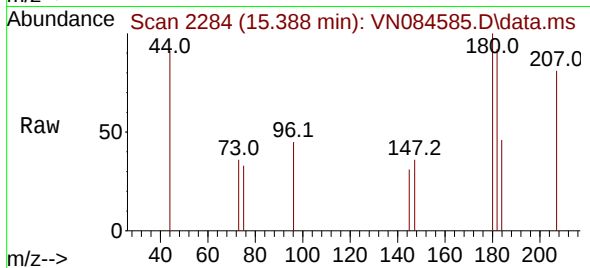
Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Instrument :

MSVOA_N

ClientSampleId :



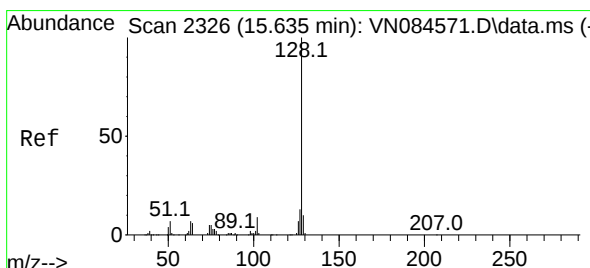
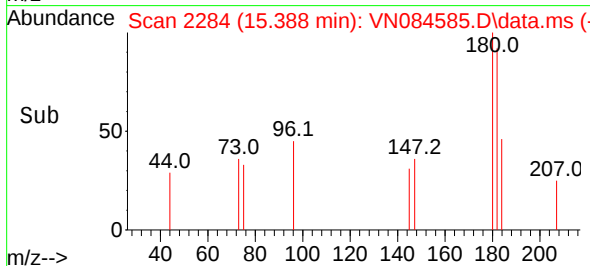
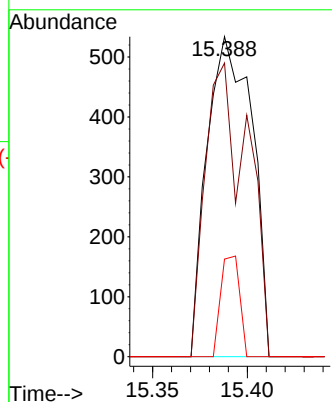
Tgt Ion:180 Resp: 884

Ion Ratio Lower Upper

180 100

182 86.1 47.0 141.0

145 13.2 16.4 49.4#



#95

Naphthalene

Concen: 0.233 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084585.D

Acq: 30 Oct 2024 22:58

Tgt Ion:128 Resp: 1754

Ion Ratio Lower Upper

128 100

127 6.8 10.5 15.7#

129 0.0 8.7 13.1#

