

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084584.D
 Acq On : 30 Oct 2024 22:34
 Operator : JC\MD
 Sample : P4594-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Nov 01 04:57:14 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	169249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	263026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113677	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120385	49.247	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.500%
35) Dibromofluoromethane	8.165	113	97302	49.270	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.540%
50) Toluene-d8	10.565	98	357732	49.174	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.847	95	129289	47.553	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.100%

Target Compounds			Qvalue			
3) Chloromethane	2.365	50	2257	Below Cal	#	82
6) Chloroethane	3.136	64	203	Below Cal	#	45
10) Methyl Iodide	4.577	142	725	0.278	ug/l #	90
11) Tert butyl alcohol	5.506	59	1637	5.073	ug/l #	73
13) Acrolein	4.183	56	114	0.354	ug/l #	73
16) Acetone	4.436	43	21161	27.428	ug/l	99
17) Carbon Disulfide	4.689	76	2887	0.486	ug/l #	75
18) Methyl Acetate	5.030	43	6713	Below Cal	#	87
20) Methylene Chloride	5.259	84	1334	0.620	ug/l #	90
25) 2-Butanone	7.488	43	2305	2.021	ug/l #	48
29) Tetrahydrofuran	7.853	42	217	0.287	ug/l #	34
31) Cyclohexane	8.224	56	4206	1.246	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14554	5.314	ug/l #	48
37) Ethyl Acetate	7.565	43	2871	1.155	ug/l #	81
38) Carbon Tetrachloride	8.224	117	18557	6.062	ug/l #	14
40) Benzene	8.606	78	3470	0.395	ug/l	95
42) 1,2-Dichloroethane	8.677	62	993	0.349	ug/l #	75
43) Isopropyl Acetate	8.688	43	111407	23.761	ug/l #	92
44) Trichloroethene	9.341	130	583	0.287	ug/l	66
45) 1,2-Dichloropropane	9.735	63	1133	0.549	ug/l #	44
48) Methyl methacrylate	9.665	41	2752	1.423	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	8679	3.664	ug/l #	67
52) Toluene	10.629	92	1222	0.238	ug/l	92
53) t-1,3-Dichloropropene	10.835	75	1339	0.421	ug/l #	73
54) cis-1,3-Dichloropropene	10.353	75	38103	11.332	ug/l #	63
57) 1,3-Dichloropropane	11.200	76	5096	1.532	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.153	63	445	0.339	ug/l #	48
59) 2-Hexanone	11.170	43	93870	54.439	ug/l #	24
65) Chlorobenzene	11.888	112	2192	0.373	ug/l	100
67) Ethyl Benzene	11.959	91	2605	0.265	ug/l #	85
68) m/p-Xylenes	12.059	106	1982	0.533	ug/l	96
70) Styrene	12.406	104	2631	0.434	ug/l	95
71) Bromoform	12.576	173	421	0.273	ug/l #	30
73) Isopropylbenzene	12.694	105	1987	0.249	ug/l #	74
74) N-amyl acetate	12.488	43	1773	0.523	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	66454	29.245	ug/l #	1

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

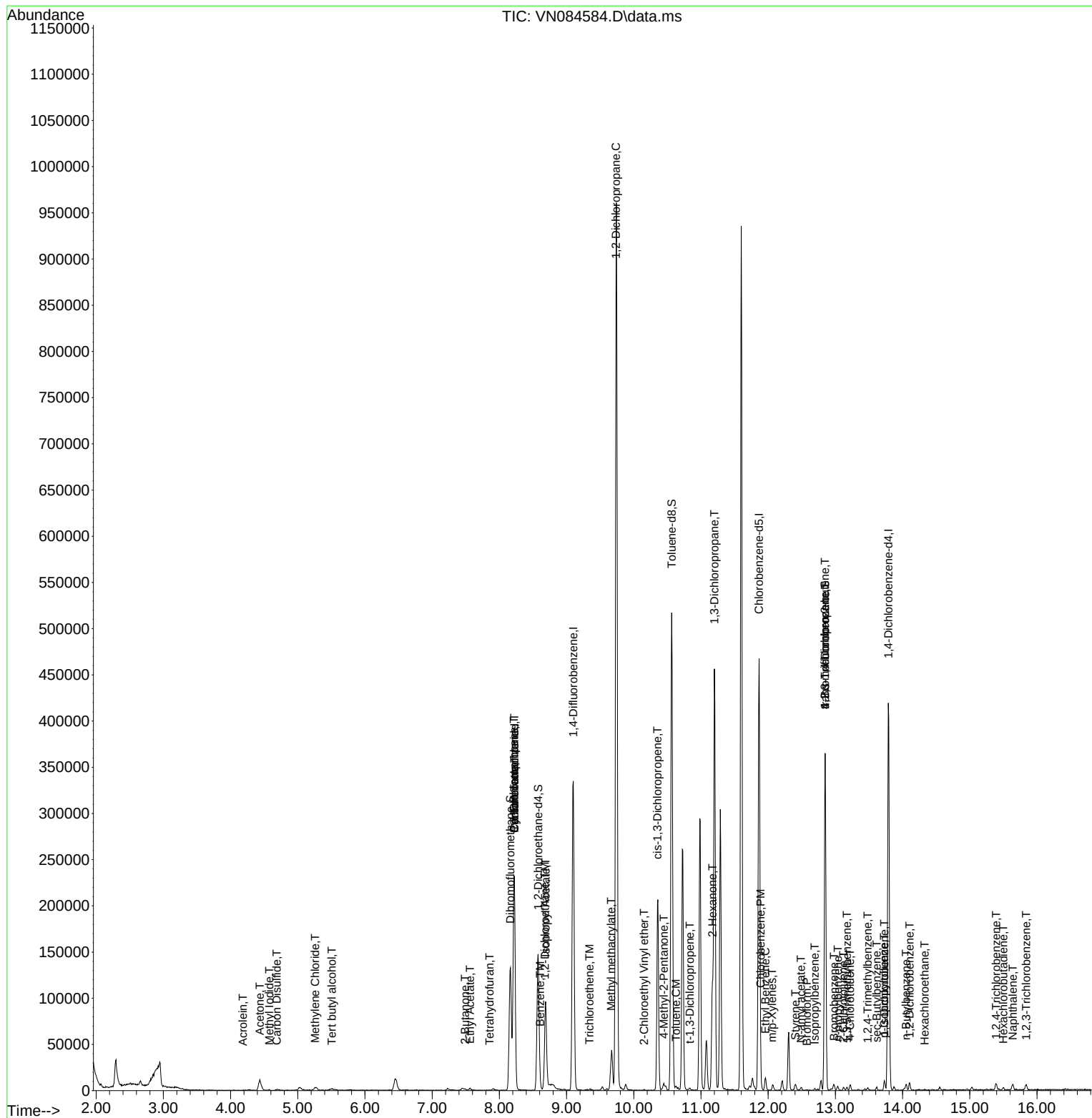
77) Bromobenzene	12.982	156	1433	0.669	ug/l	82
78) n-propylbenzene	13.035	91	3837	0.411	ug/l	80
79) 2-Chlorotoluene	13.117	91	2455	0.402	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	1702	0.258	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	66454	69.380	ug/l #	11
82) 4-Chlorotoluene	13.217	91	4291	0.668	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	1983	0.291	ug/l	92
85) sec-Butylbenzene	13.617	105	2448	0.317	ug/l	89
86) p-Isopropyltoluene	13.723	119	2397	0.379	ug/l	91
87) 1,3-Dichlorobenzene	13.729	146	3487	0.834	ug/l	93
89) n-Butylbenzene	14.053	91	4000	0.675	ug/l	89
90) Hexachloroethane	14.329	117	333	0.236	ug/l #	35
91) 1,2-Dichlorobenzene	14.106	146	3245	0.808	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	2995	1.362	ug/l	97
94) Hexachlorobutadiene	15.500	225	723	0.749	ug/l	78
95) Naphthalene	15.641	128	6786	1.031	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.841	180	2653	1.243	ug/l	91

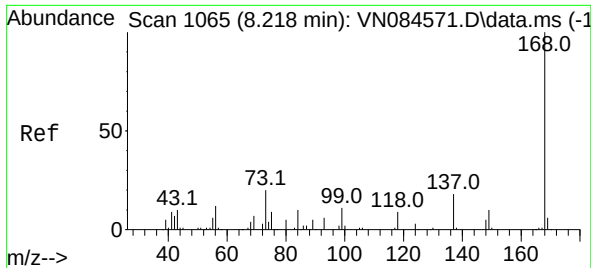
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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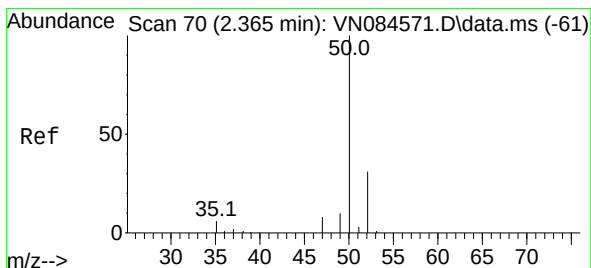
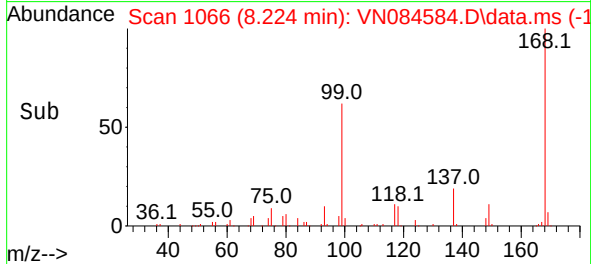
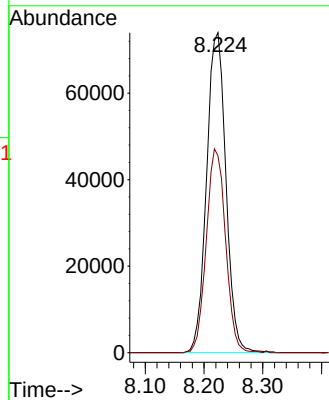
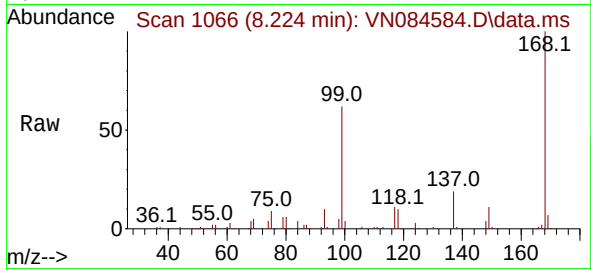




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

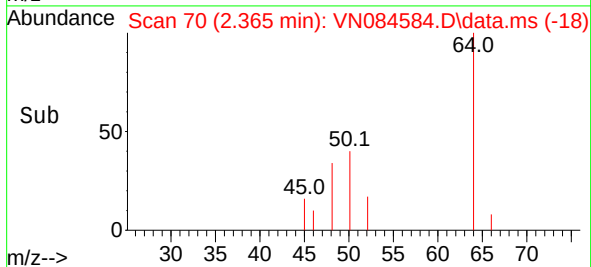
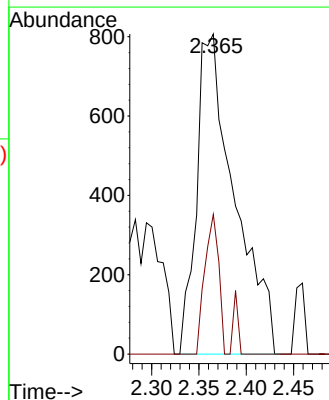
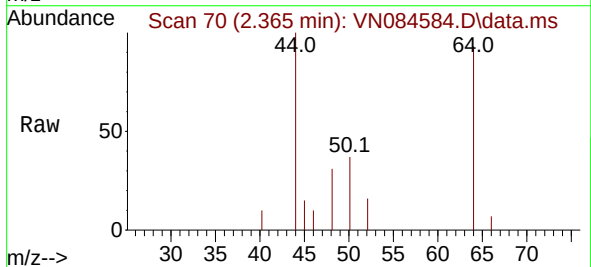
Instrument :
MSVOA_N
ClientSampleId :
TP-4

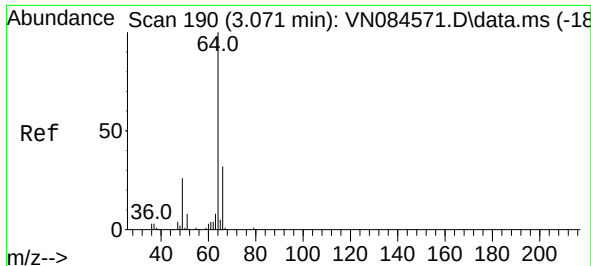
Tgt Ion:168 Resp: 169249
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 50 Resp: 2257
Ion Ratio Lower Upper
50 100
52 43.6 26.8 40.2#

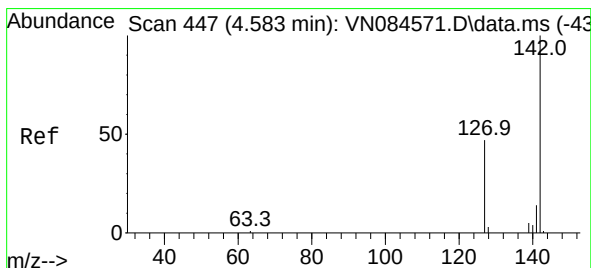
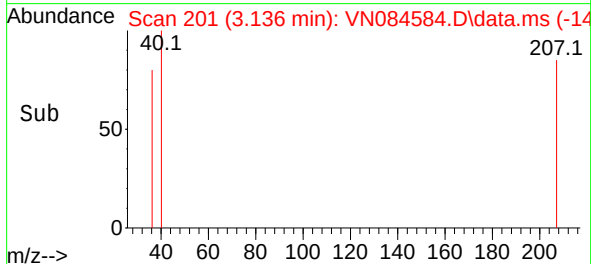
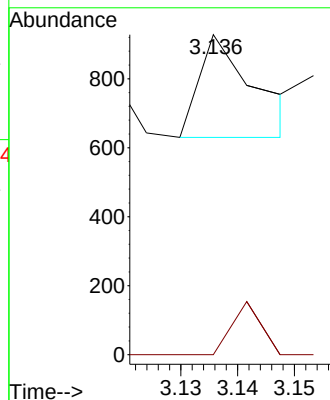
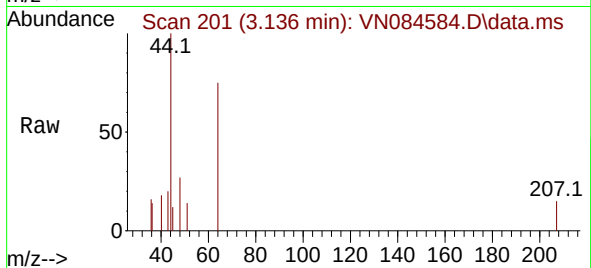




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

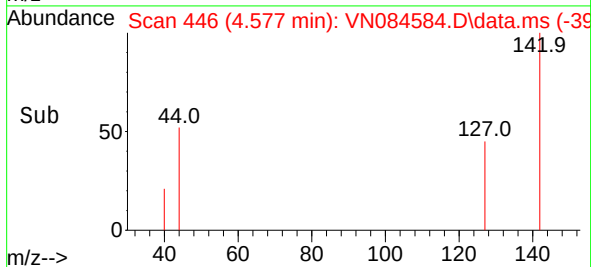
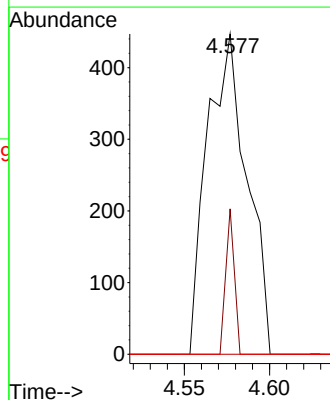
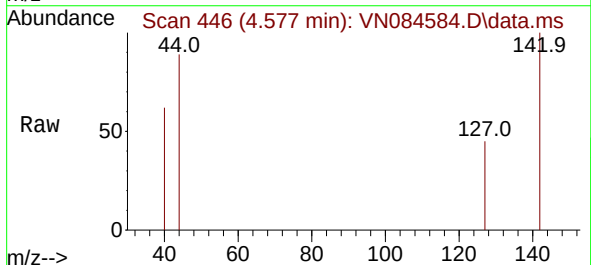
Instrument :
MSVOA_N
ClientSampleId :
TP-4

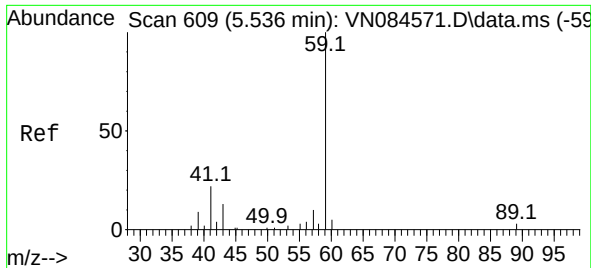
Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 142 Resp: 725
Ion Ratio Lower Upper
142 100
127 45.4 35.3 52.9
141 0.0 11.0 16.6#

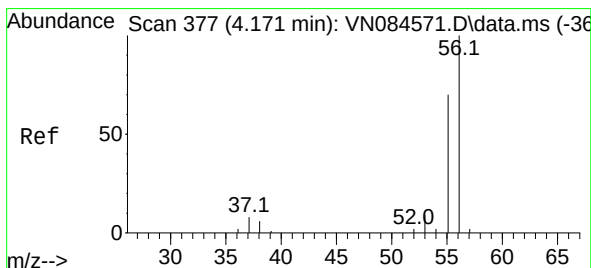
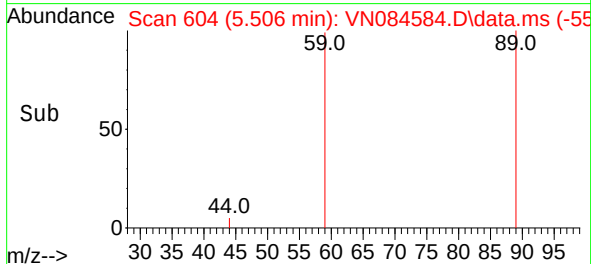
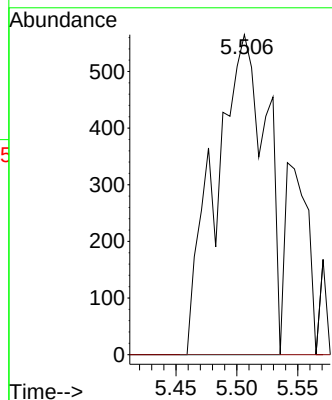
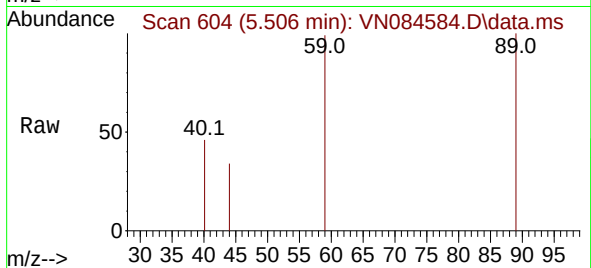




#11
Tert butyl alcohol
Concen: 5.073 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

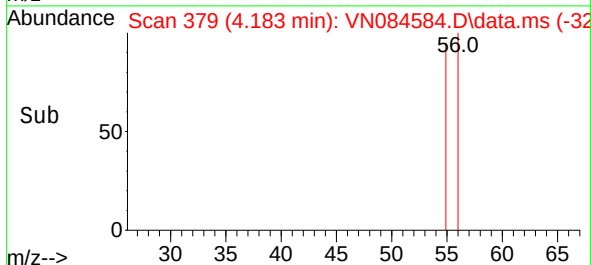
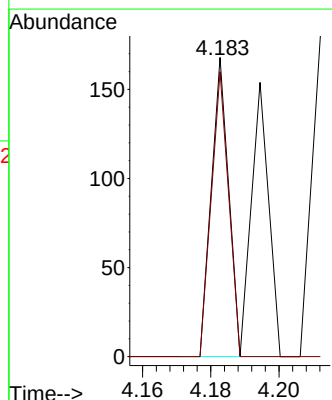
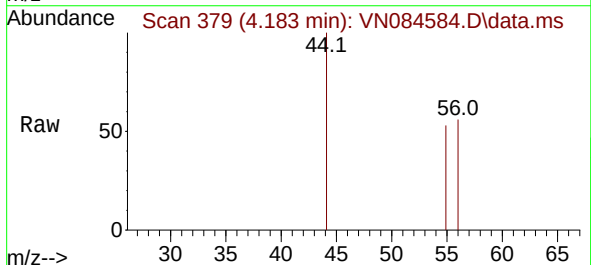
Instrument :
MSVOA_N
ClientSampleId :
TP-4

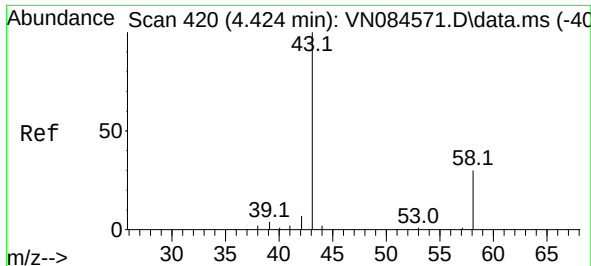
Tgt Ion: 59 Resp: 1637
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 0.354 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 49.1 57.2 85.8#





#16

Acetone

Concen: 27.428 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

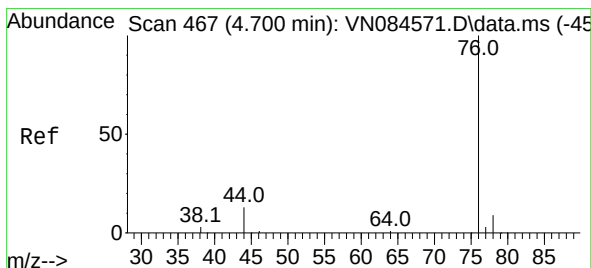
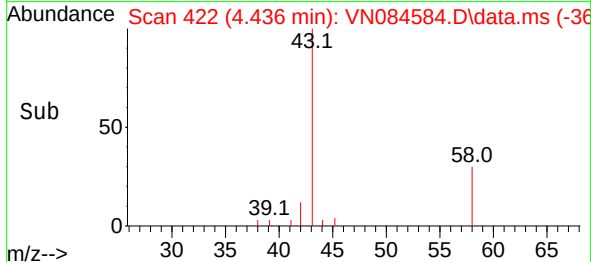
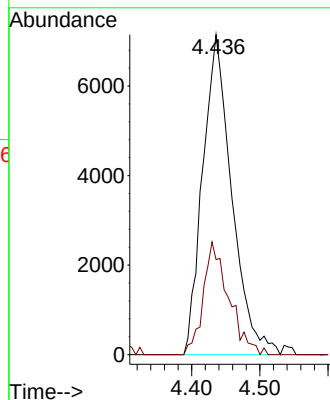
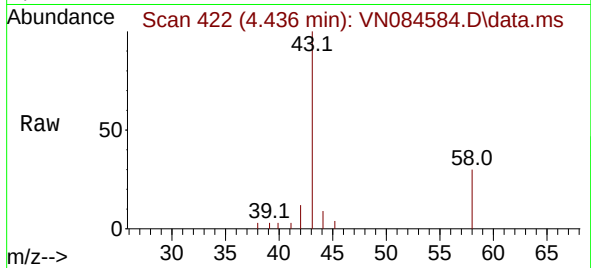
TP-4

Tgt Ion: 43 Resp: 21161

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6



#17

Carbon Disulfide

Concen: 0.486 ug/l

RT: 4.689 min Scan# 465

Delta R.T. -0.023 min

Lab File: VN084584.D

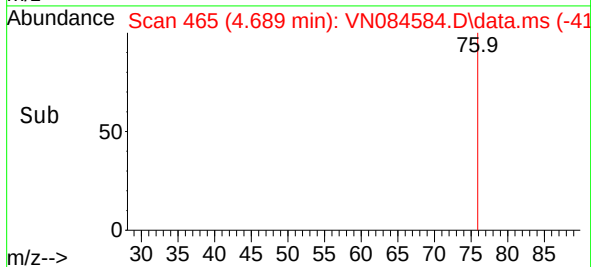
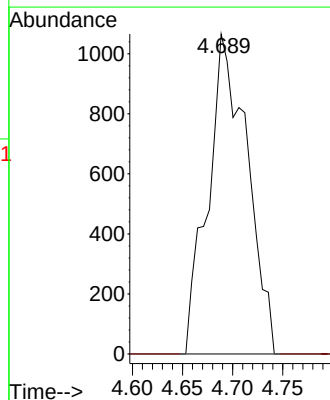
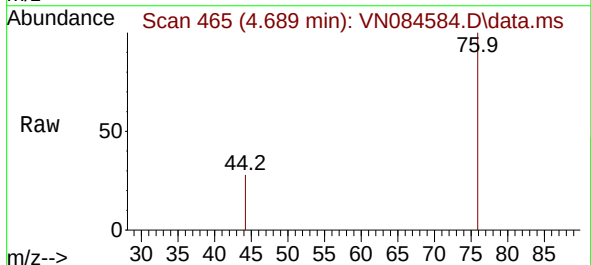
Acq: 30 Oct 2024 22:34

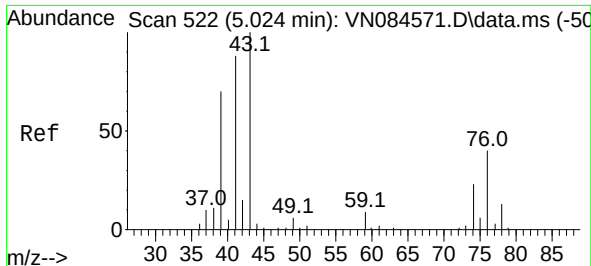
Tgt Ion: 76 Resp: 2887

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

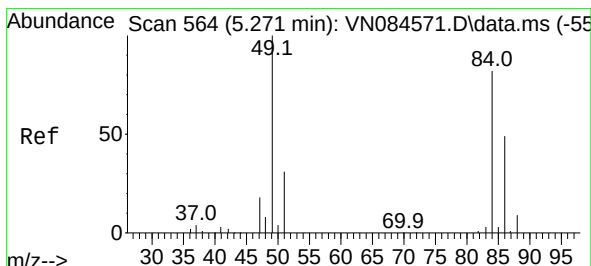
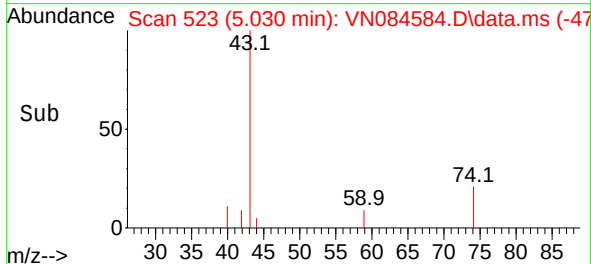
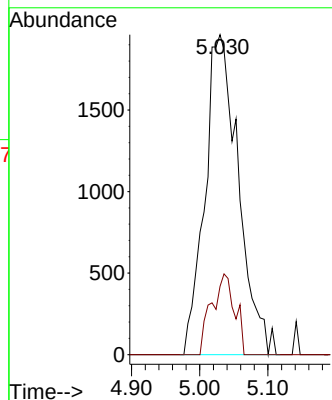
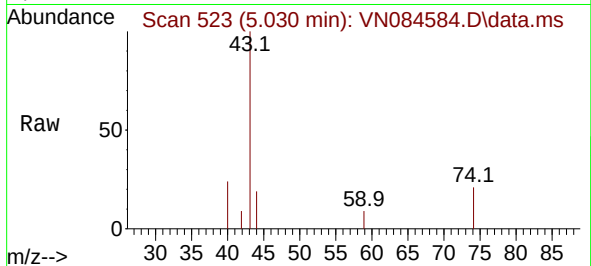




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084584.D
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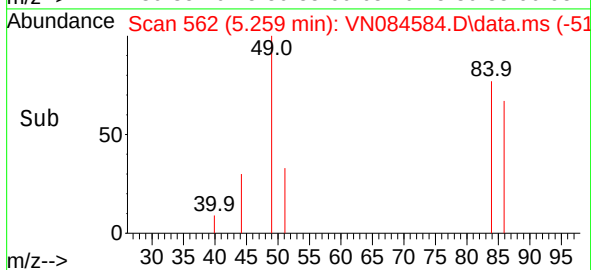
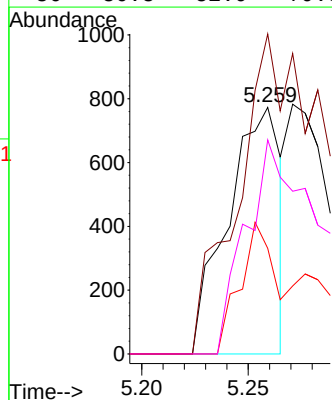
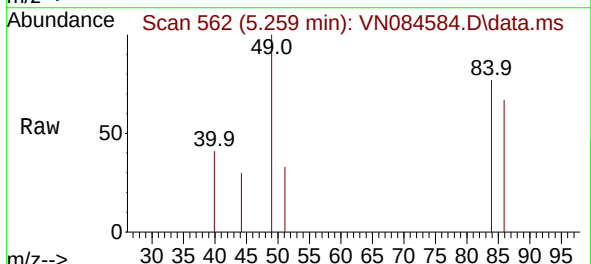
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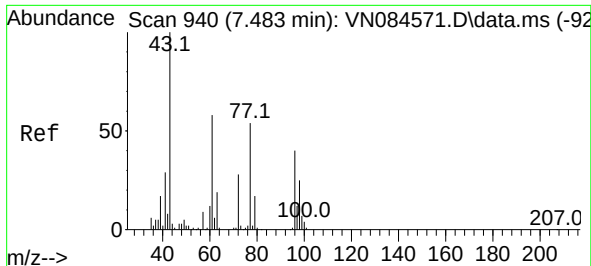
Tgt Ion: 43 Resp: 6713
Ion Ratio Lower Upper
43 100
74 17.4 19.2 28.8#



#20
Methylene Chloride
Concen: 0.620 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 84 Resp: 1334
Ion Ratio Lower Upper
84 100
49 129.8 107.2 160.8
51 42.8 31.8 47.8
86 86.8 52.9 79.3#





#25

2-Butanone

Concen: 2.021 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN084584.D

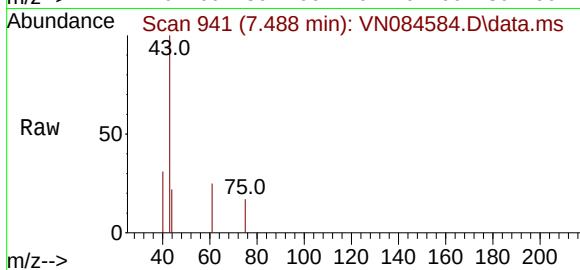
Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

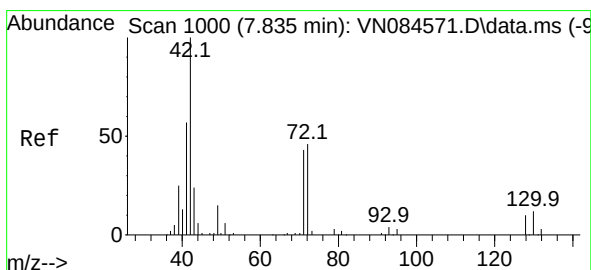
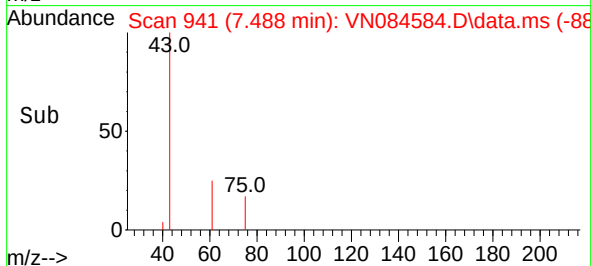
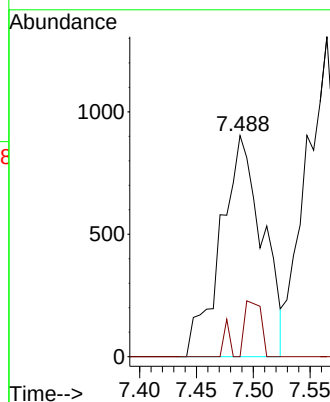


Tgt Ion: 43 Resp: 2305

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

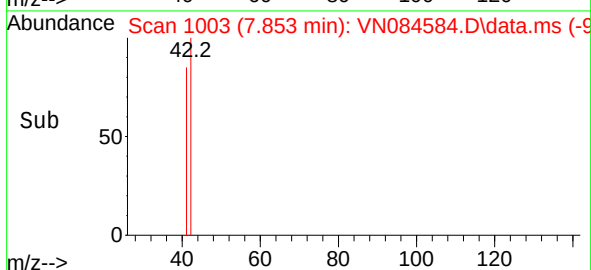
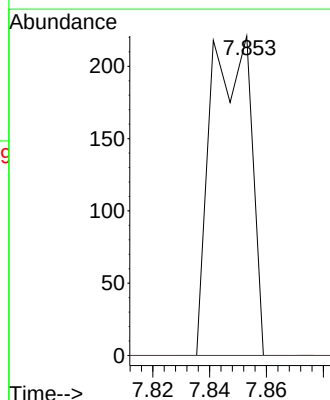
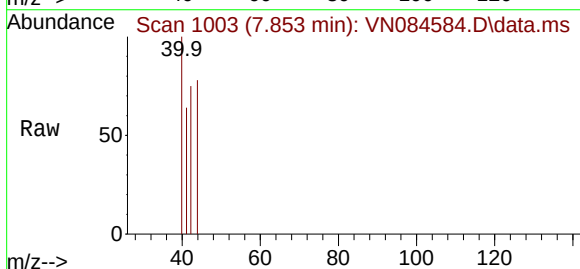
Tgt Ion: 42 Resp: 217

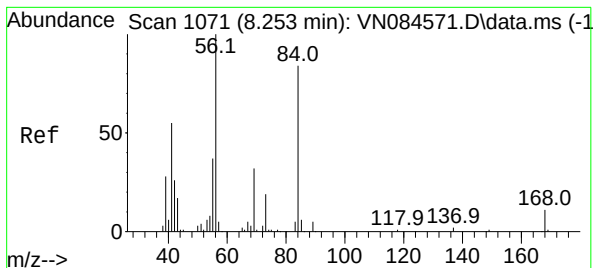
Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

71 0.0 32.2 48.4#





#31

Cyclohexane

Concen: 1.246 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

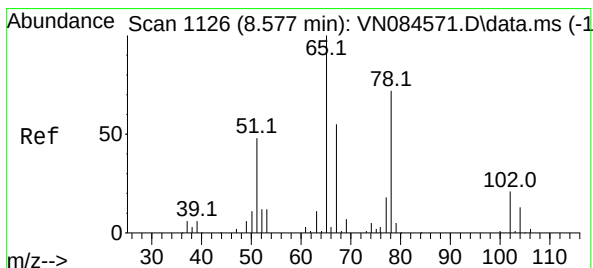
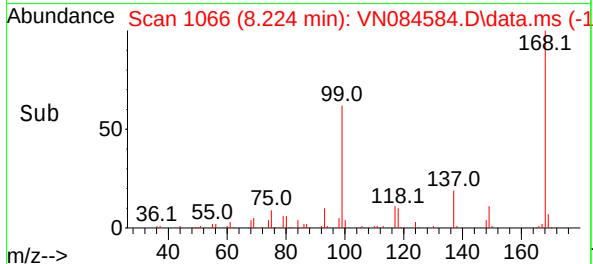
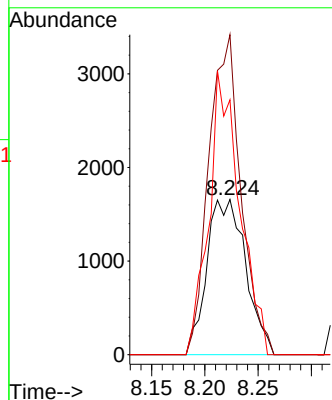
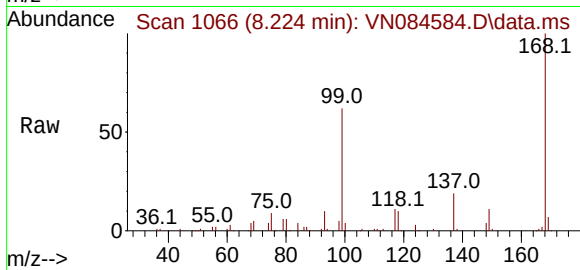
Tgt Ion: 56 Resp: 4206

Ion Ratio Lower Upper

56 100

69 206.2 23.8 35.6#

84 164.2 68.8 103.2#



#33

1,2-Dichloroethane-d4

Concen: 49.247 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084584.D

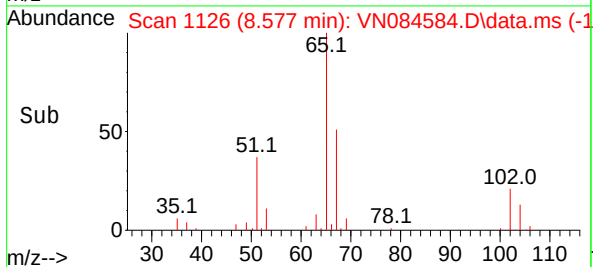
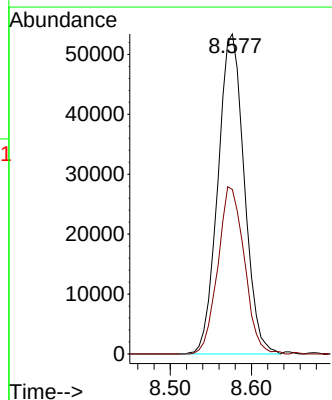
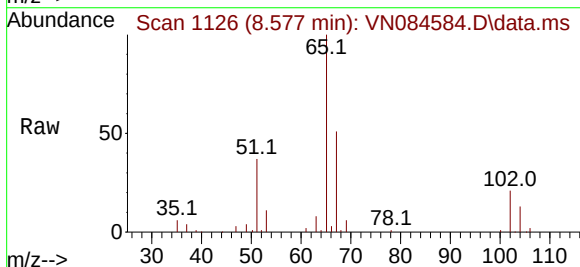
Acq: 30 Oct 2024 22:34

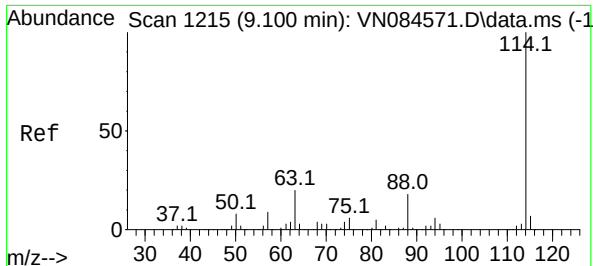
Tgt Ion: 65 Resp: 120385

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

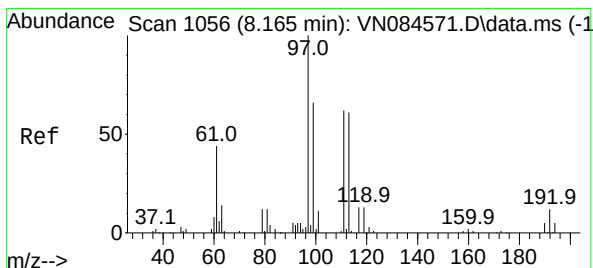
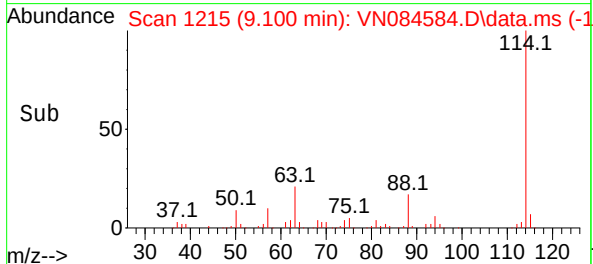
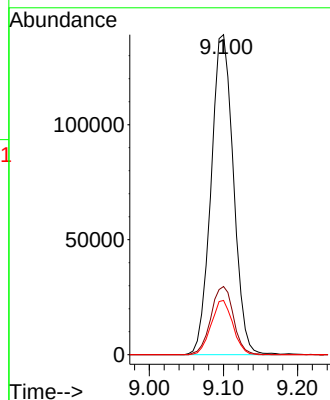
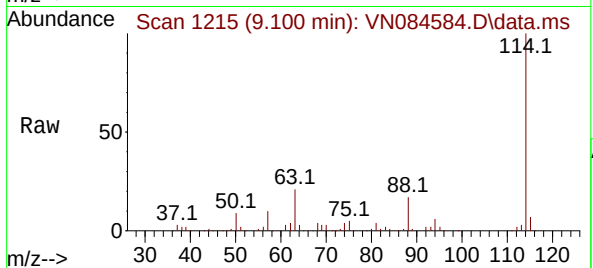
Tgt Ion:114 Resp: 291760

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 16.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 49.270 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

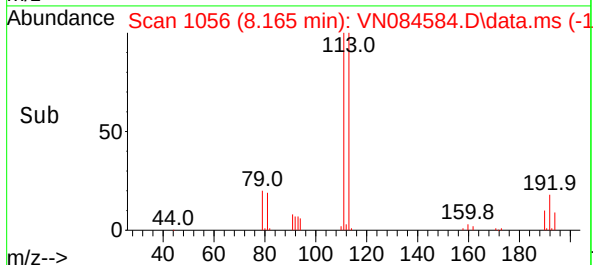
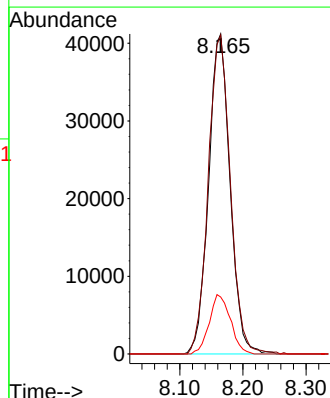
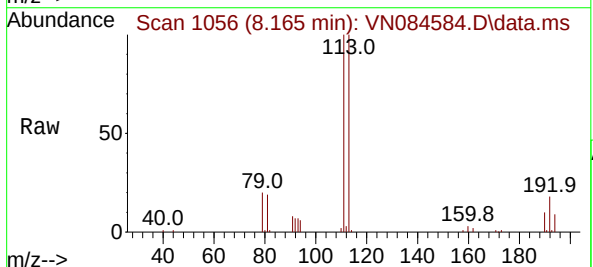
Tgt Ion:113 Resp: 97302

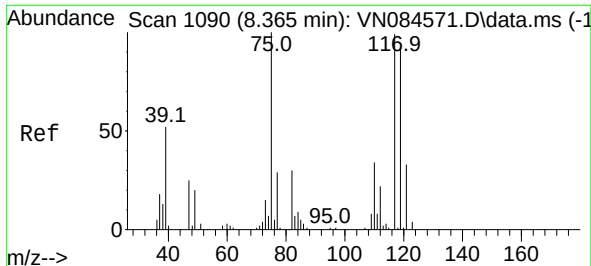
Ion Ratio Lower Upper

113 100

111 102.3 83.3 124.9

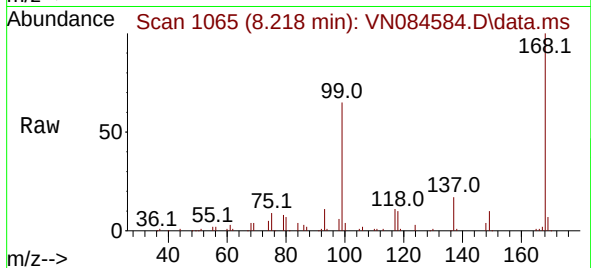
192 18.3 13.5 20.3



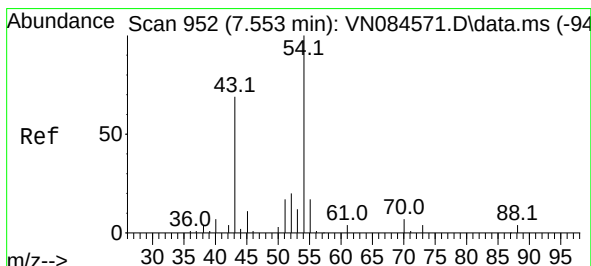
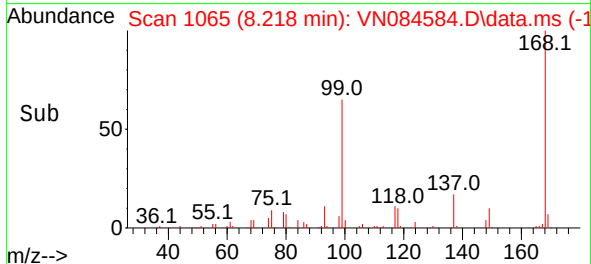
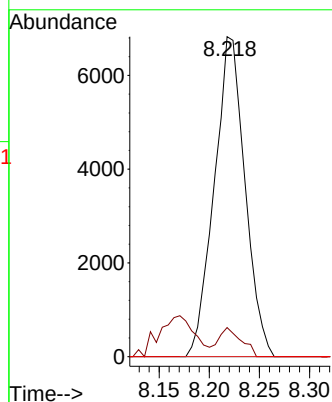


#36
1,1-Dichloropropene
Concen: 5.314 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Instrument :
MSVOA_N
ClientSampleId :
TP-4

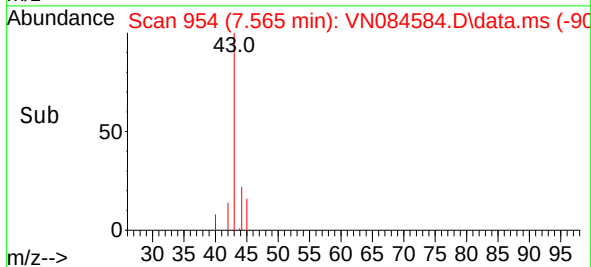
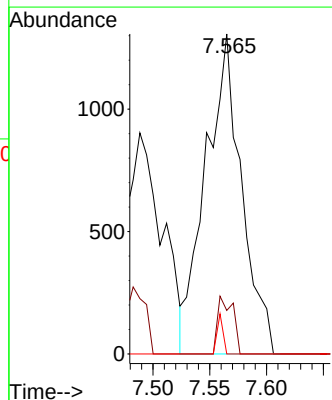
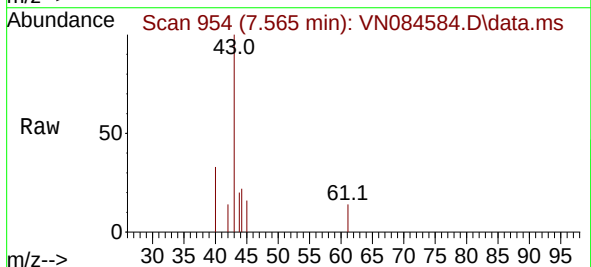


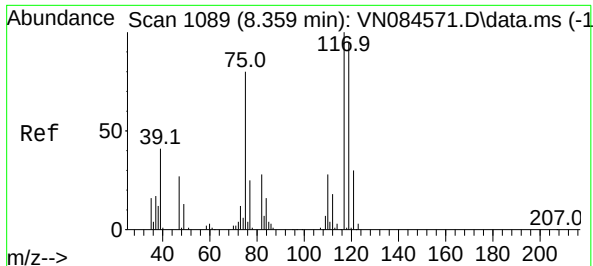
Tgt Ion: 75 Resp: 14554
Ion Ratio Lower Upper
75 100
110 6.7 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.155 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
61 7.6 10.7 16.1#
70 2.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 6.062 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

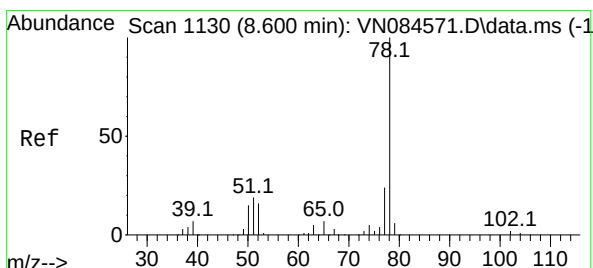
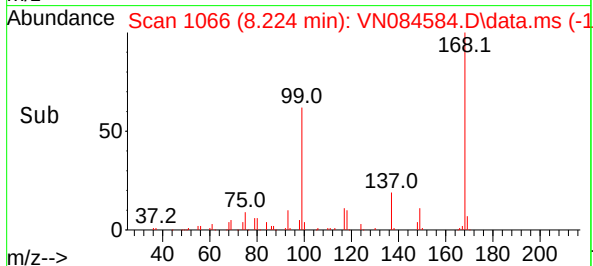
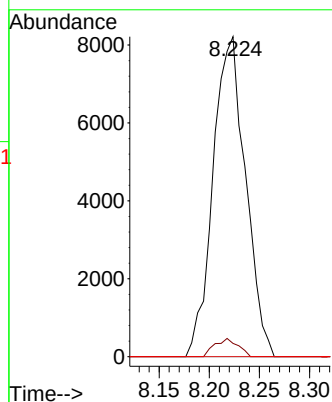
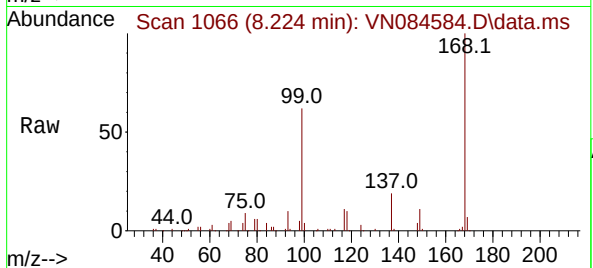
Tgt Ion:117 Resp: 18557

Ion Ratio Lower Upper

117 100

119 4.2 78.7 118.1#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 0.395 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN084584.D

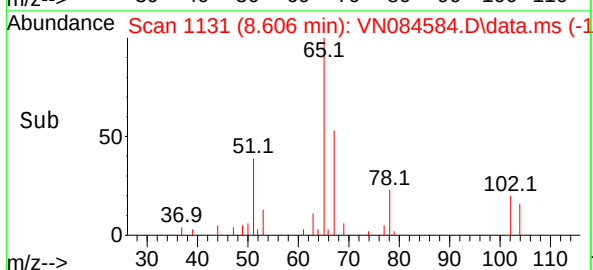
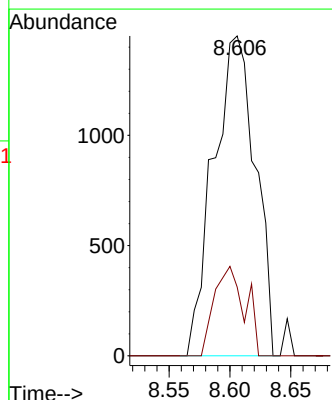
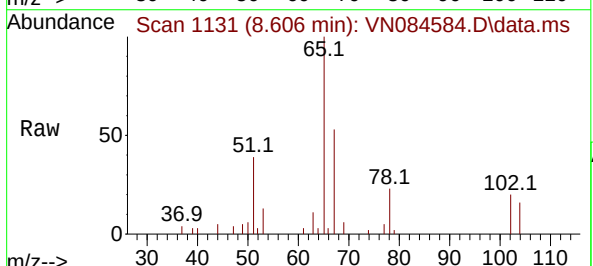
Acq: 30 Oct 2024 22:34

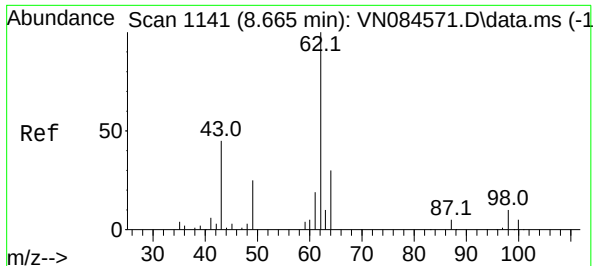
Tgt Ion: 78 Resp: 3470

Ion Ratio Lower Upper

78 100

77 21.5 19.1 28.7

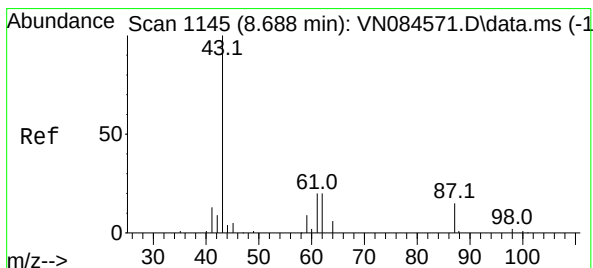
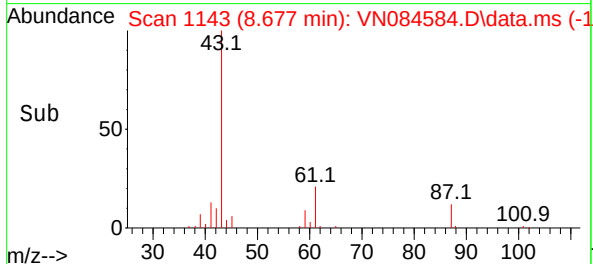
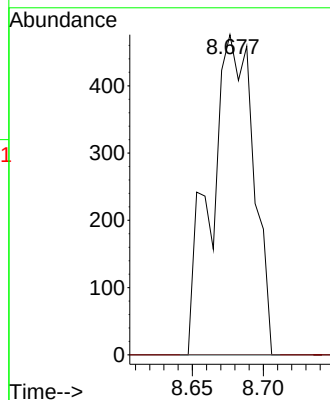
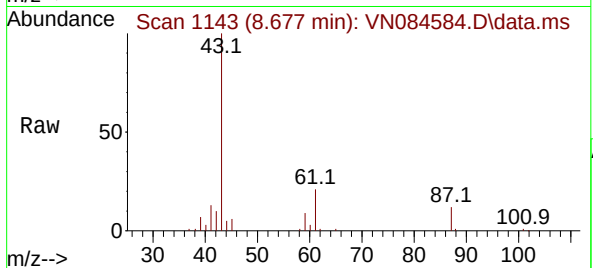




#42
1,2-Dichloroethane
Concen: 0.349 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

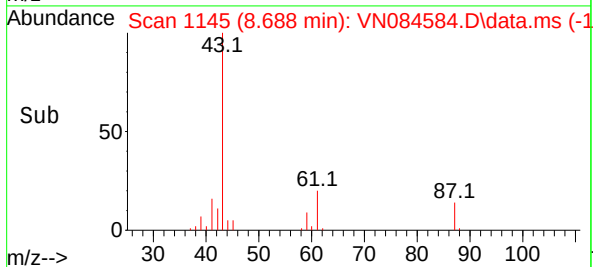
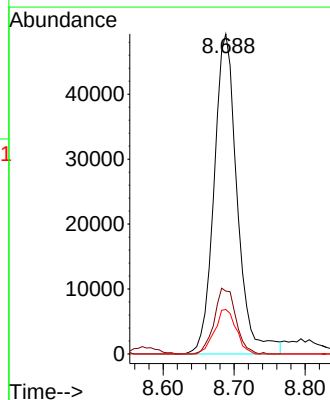
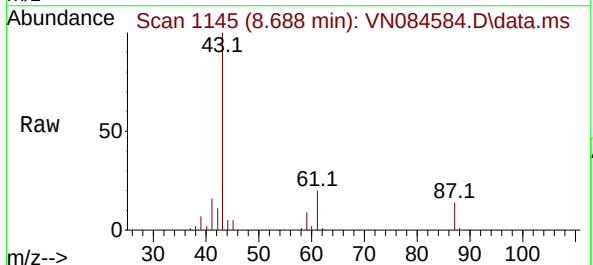
Instrument :
MSVOA_N
ClientSampleId :
TP-4

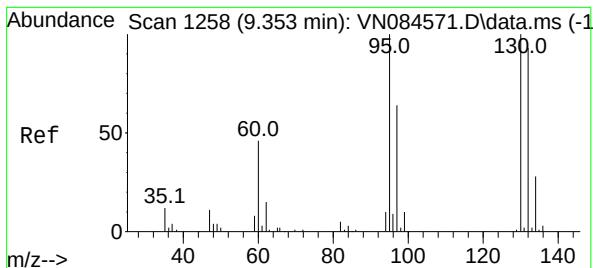
Tgt Ion: 62 Resp: 993
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 23.761 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 43 Resp: 111407
Ion Ratio Lower Upper
43 100
61 19.2 20.4 30.6#
87 12.9 10.3 15.5





#44

Trichloroethene

Concen: 0.287 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

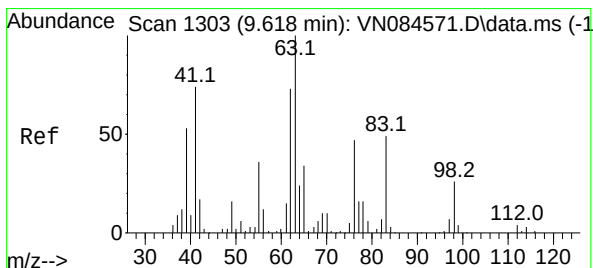
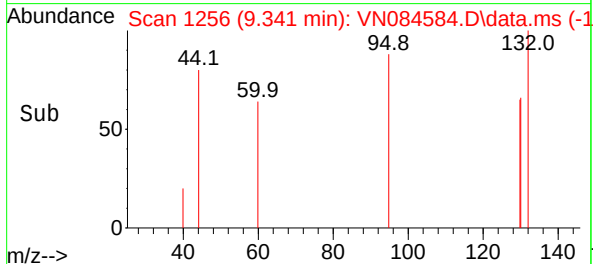
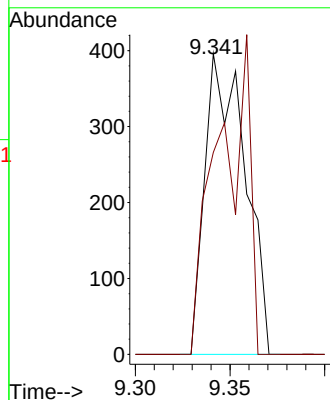
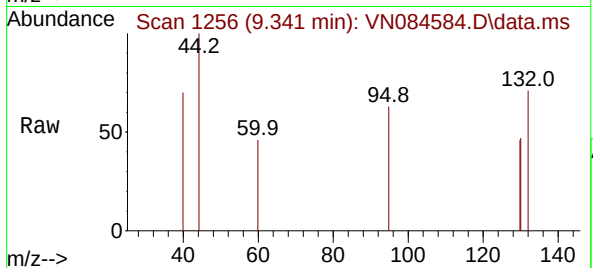
TP-4

Tgt Ion:130 Resp: 583

Ion Ratio Lower Upper

130 100

95 67.2 0.0 203.0



#45

1,2-Dichloropropane

Concen: 0.549 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN084584.D

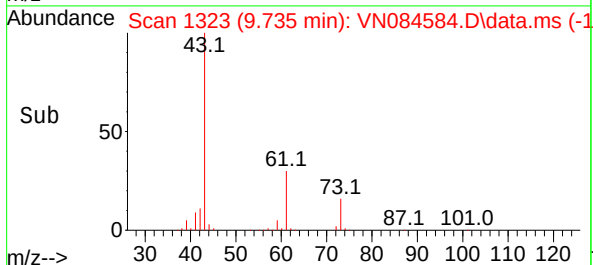
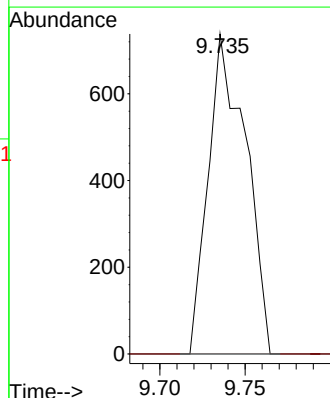
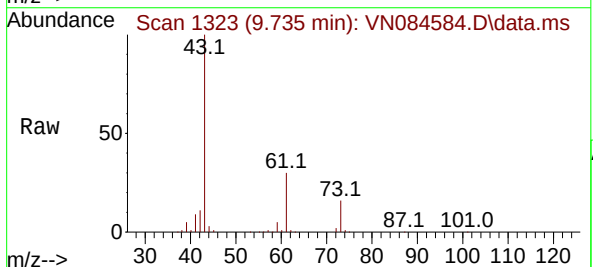
Acq: 30 Oct 2024 22:34

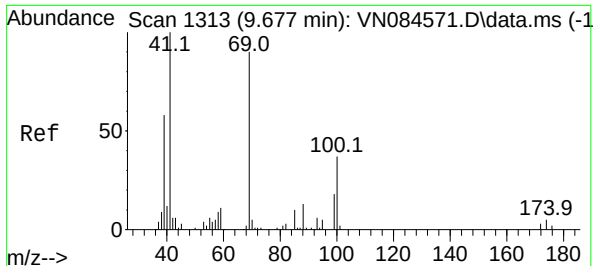
Tgt Ion: 63 Resp: 1133

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.423 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

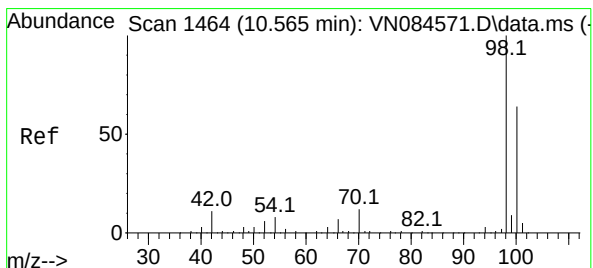
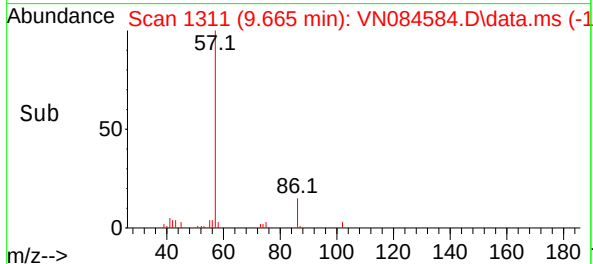
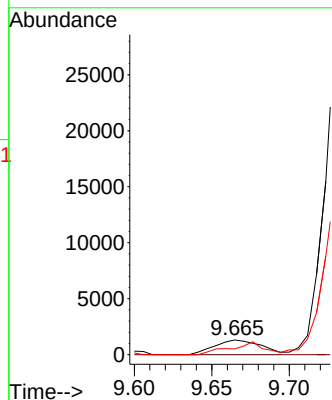
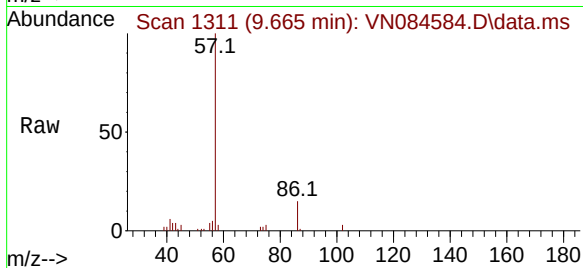
Tgt Ion: 41 Resp: 2752

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 62.8 45.8 68.6



#50

Toluene-d8

Concen: 49.174 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084584.D

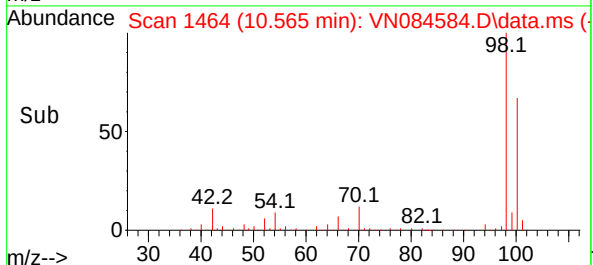
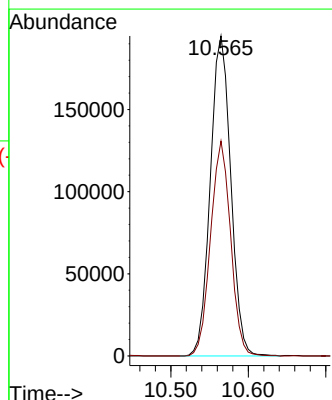
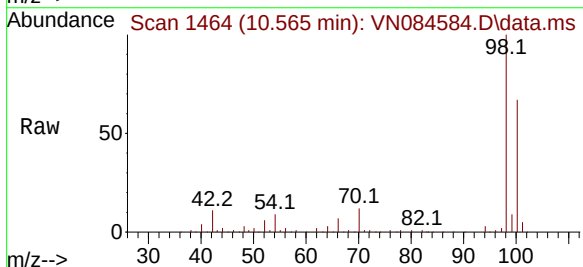
Acq: 30 Oct 2024 22:34

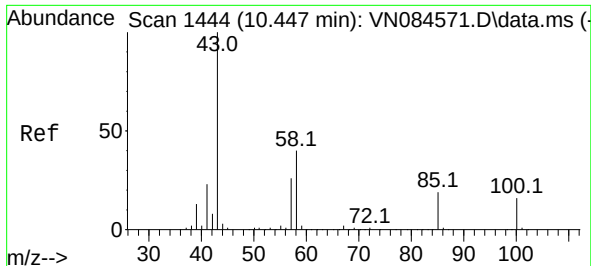
Tgt Ion: 98 Resp: 357732

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1

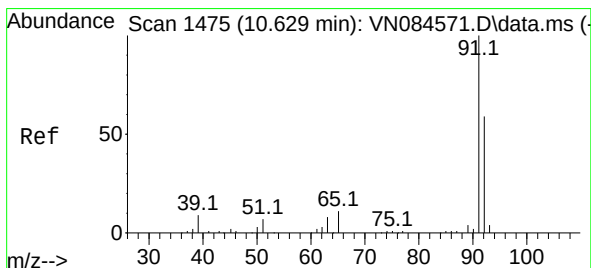
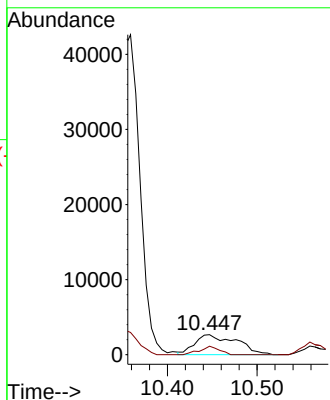
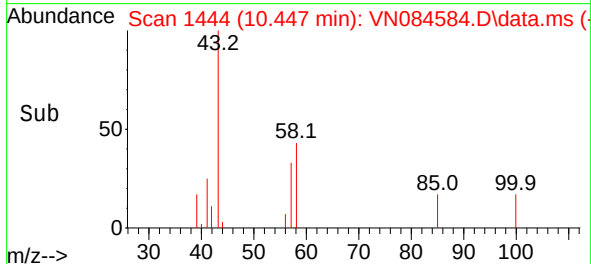
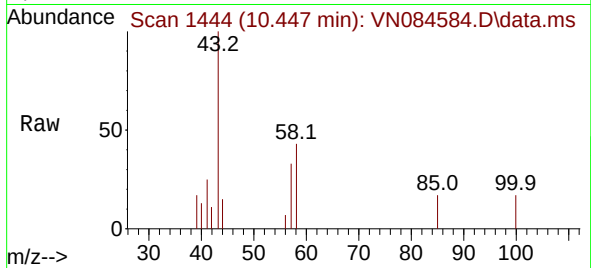




#51
4-Methyl-2-Pentanone
Concen: 3.664 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

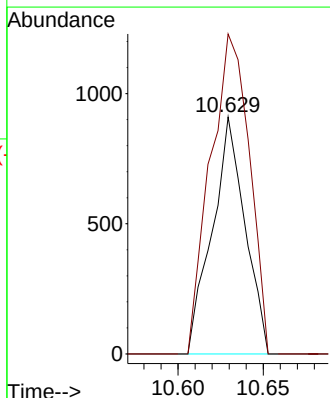
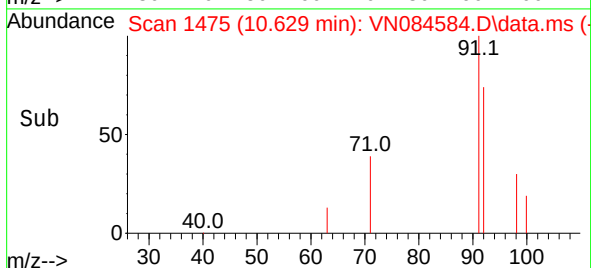
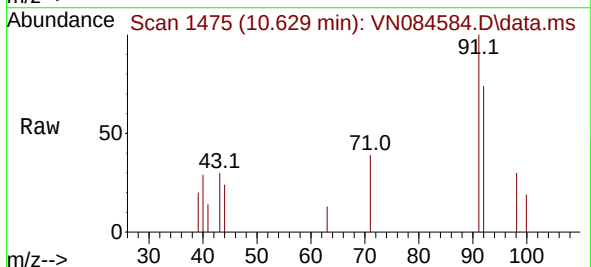
Instrument :
MSVOA_N
ClientSampleId :
TP-4

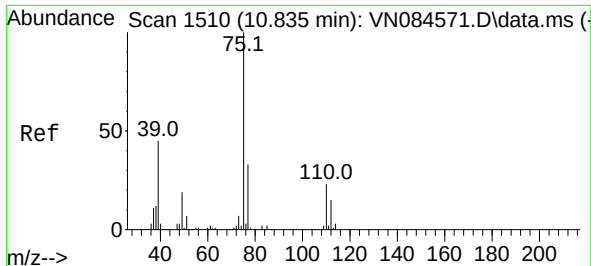
Tgt Ion: 43 Resp: 8679
Ion Ratio Lower Upper
43 100
58 19.5 31.6 47.4#



#52
Toluene
Concen: 0.238 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 92 Resp: 1222
Ion Ratio Lower Upper
92 100
91 160.6 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 0.421 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

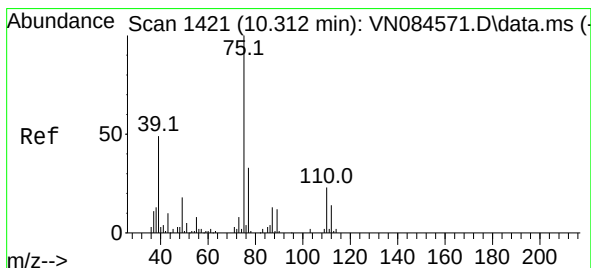
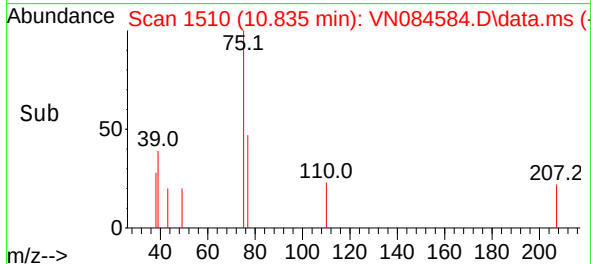
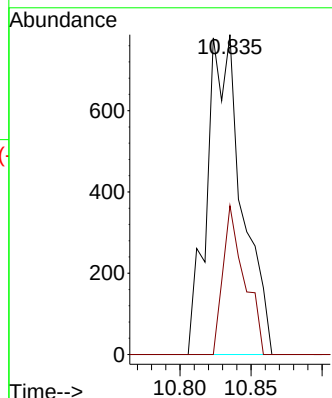
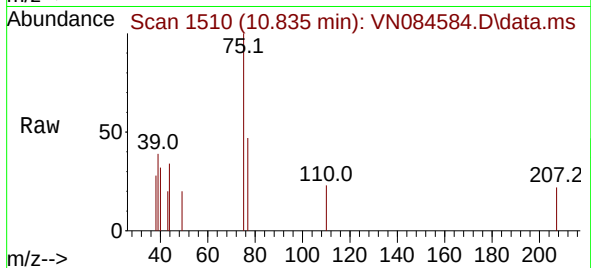
TP-4

Tgt Ion: 75 Resp: 1339

Ion Ratio Lower Upper

75 100

77 46.5 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.332 ug/l

RT: 10.353 min Scan# 1428

Delta R.T. 0.041 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

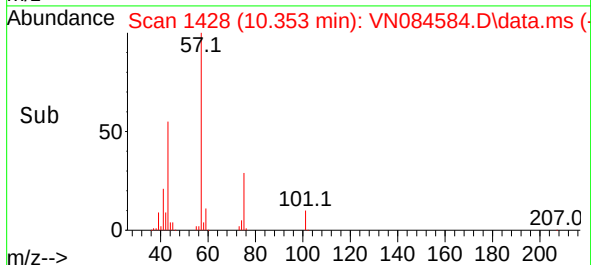
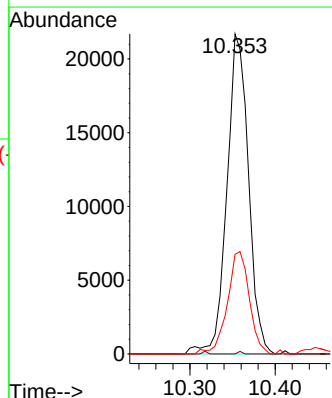
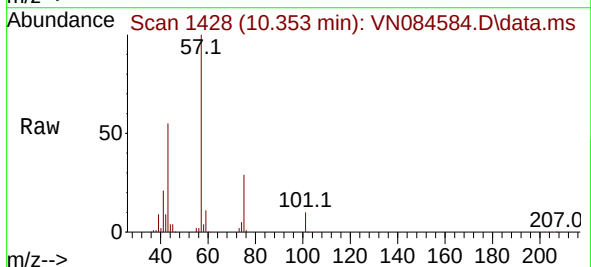
Tgt Ion: 75 Resp: 38103

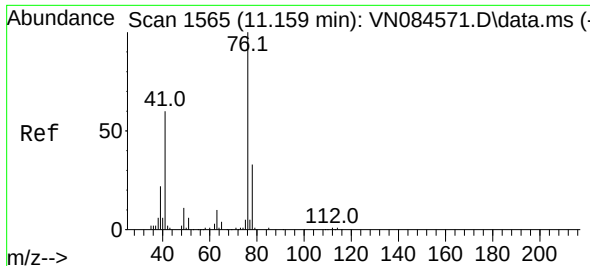
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 31.1 38.7 58.1#





#57

1,3-Dichloropropane

Concen: 1.532 ug/l

RT: 11.200 min Scan# 1565

Delta R.T. 0.041 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

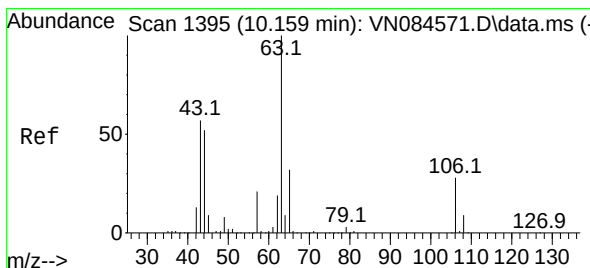
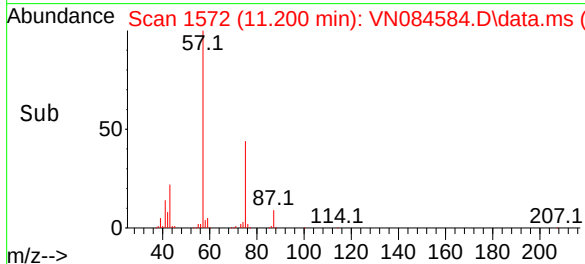
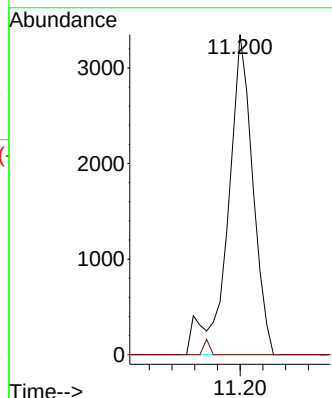
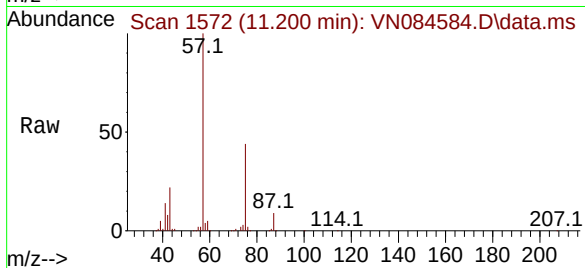
TP-4

Tgt Ion: 76 Resp: 5096

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#58

2-Chloroethyl Vinyl ether

Concen: 0.339 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN084584.D

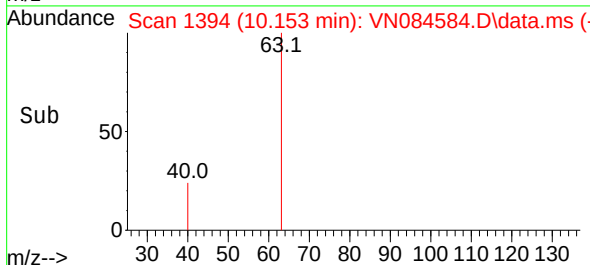
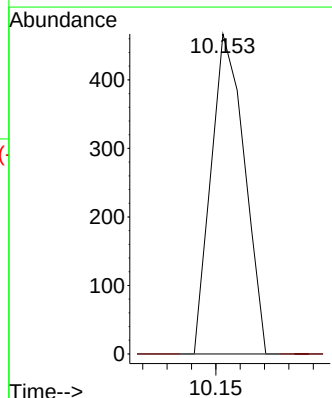
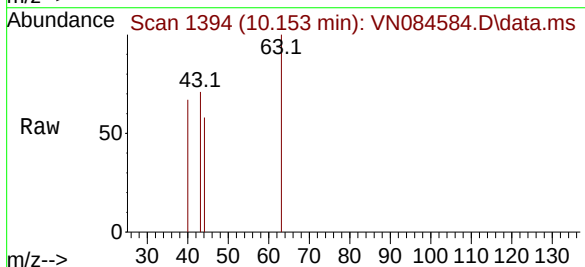
Acq: 30 Oct 2024 22:34

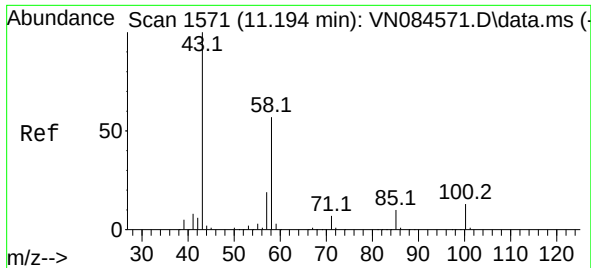
Tgt Ion: 63 Resp: 445

Ion Ratio Lower Upper

63 100

106 0.0 21.8 32.6#





#59

2-Hexanone

Concen: 54.439 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

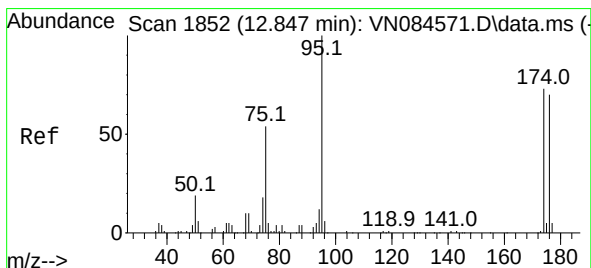
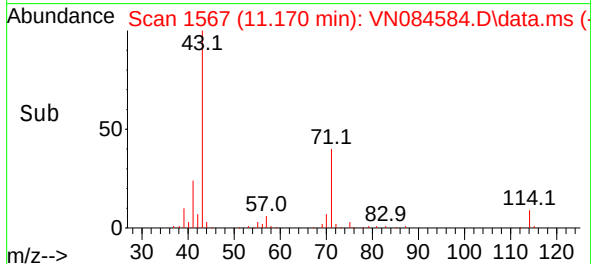
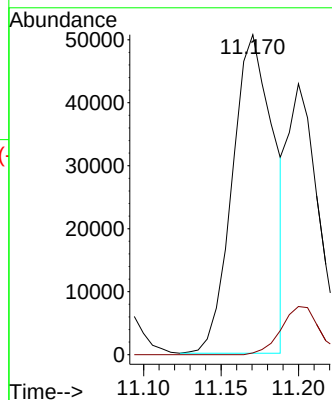
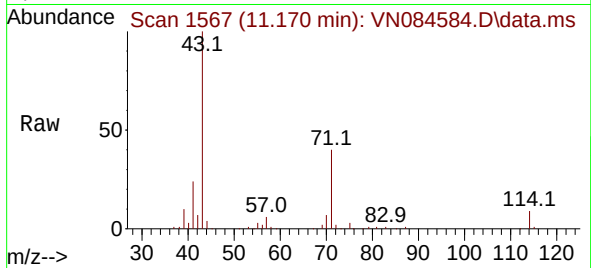
TP-4

Tgt Ion: 43 Resp: 93870

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#



#62

4-Bromofluorobenzene

Concen: 47.553 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

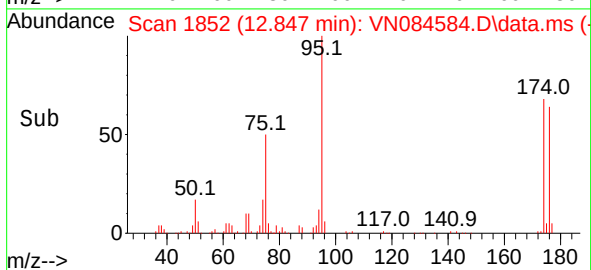
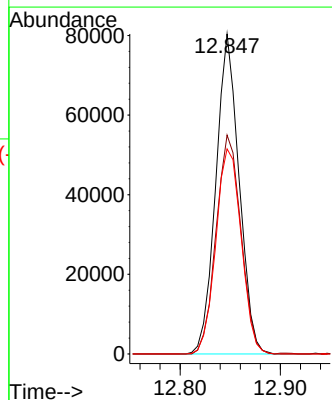
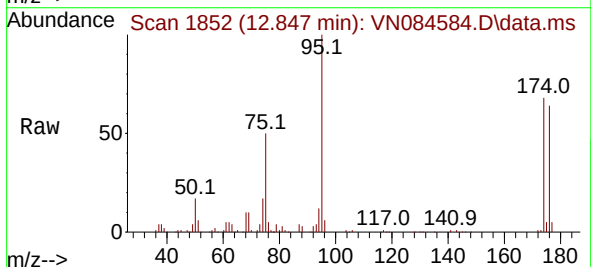
Tgt Ion: 95 Resp: 129289

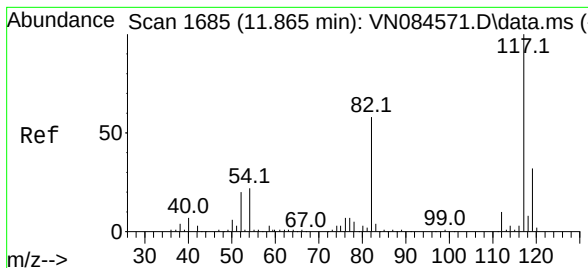
Ion Ratio Lower Upper

95 100

174 73.1 0.0 145.2

176 69.8 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

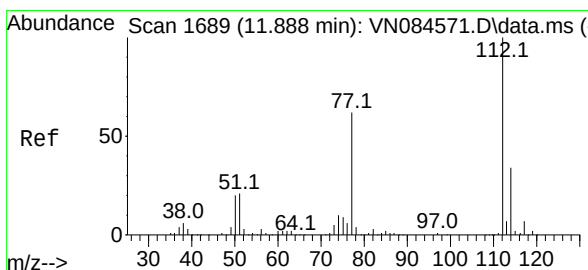
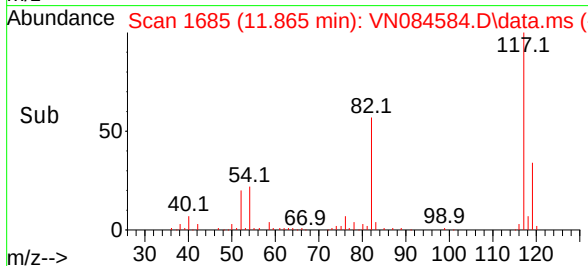
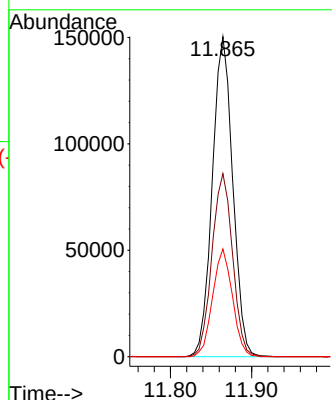
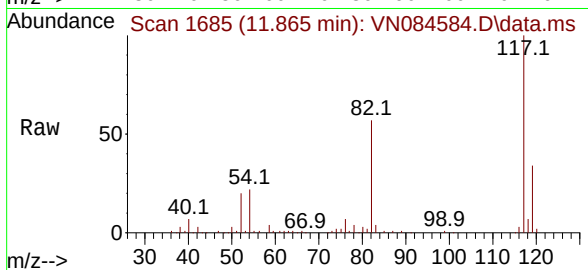
Tgt Ion:117 Resp: 263026

Ion Ratio Lower Upper

117 100

82 57.2 47.2 70.8

119 33.6 25.4 38.0



#65

Chlorobenzene

Concen: 0.373 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084584.D

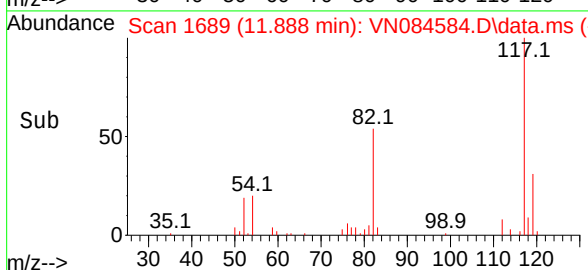
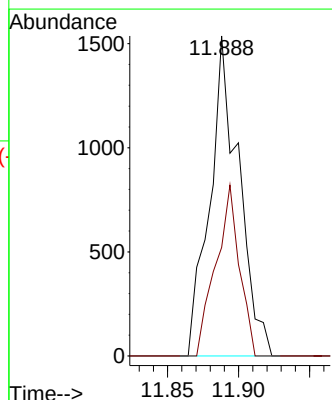
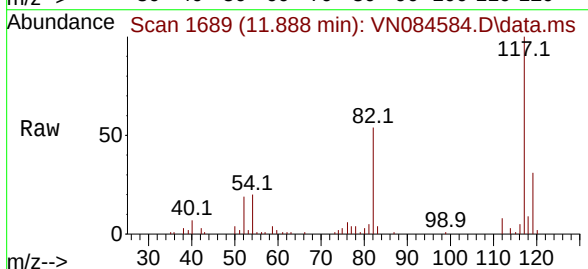
Acq: 30 Oct 2024 22:34

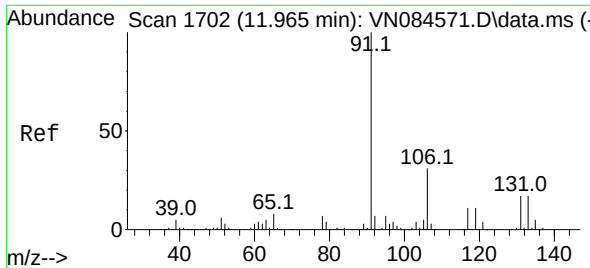
Tgt Ion:112 Resp: 2192

Ion Ratio Lower Upper

112 100

114 33.9 27.0 40.6





#67

Ethyl Benzene

Concen: 0.265 ug/l

RT: 11.959 min Scan# 1718

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

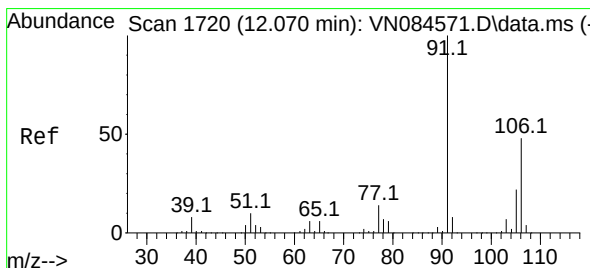
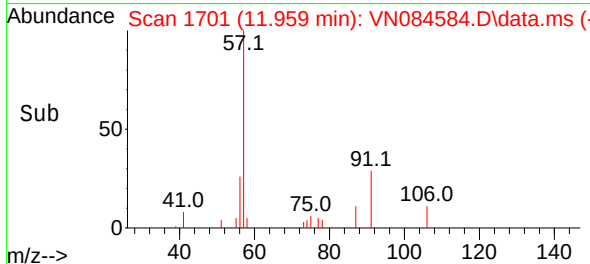
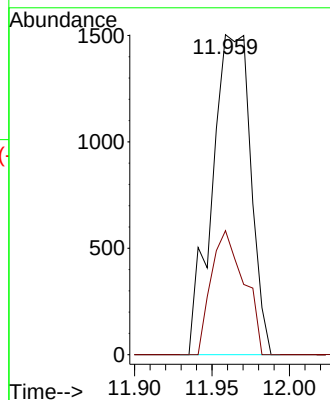
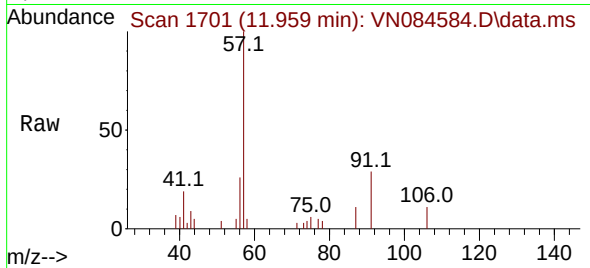
TP-4

Tgt Ion: 91 Resp: 2605

Ion Ratio Lower Upper

91 100

106 38.8 24.5 36.7#



#68

m/p-Xylenes

Concen: 0.533 ug/l

RT: 12.059 min Scan# 1718

Delta R.T. -0.012 min

Lab File: VN084584.D

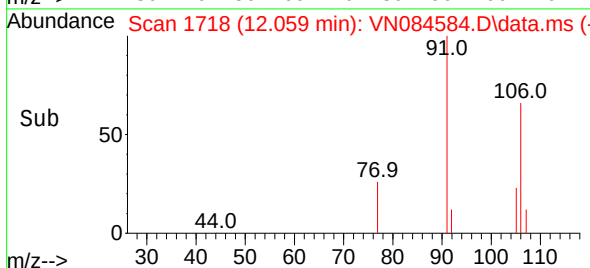
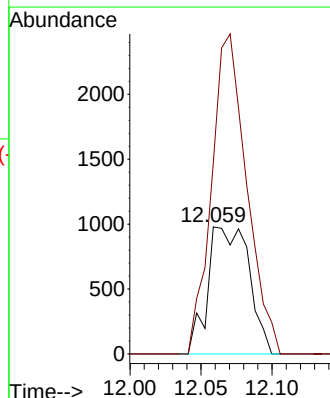
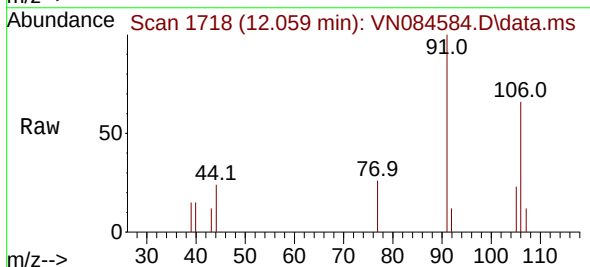
Acq: 30 Oct 2024 22:34

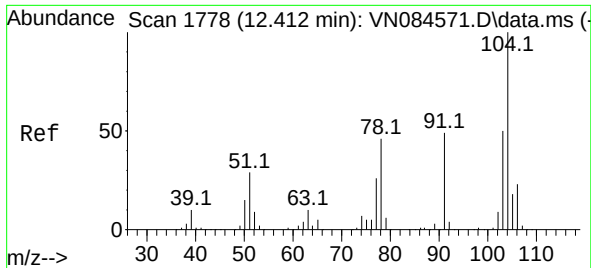
Tgt Ion:106 Resp: 1982

Ion Ratio Lower Upper

106 100

91 214.4 167.1 250.7

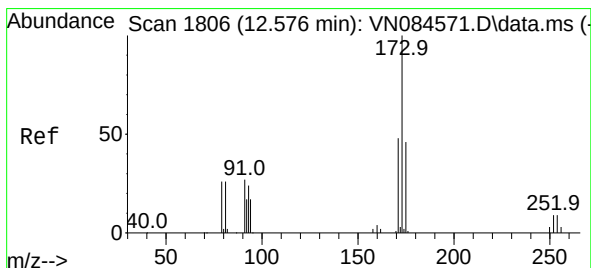
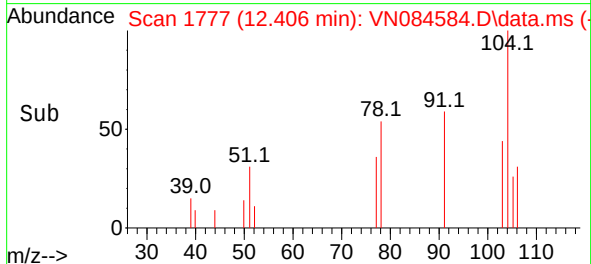
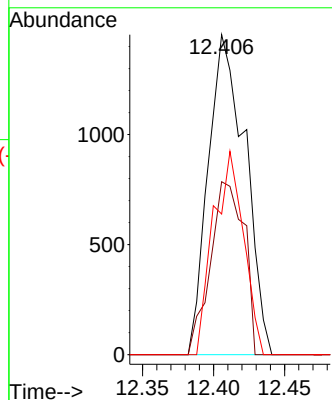
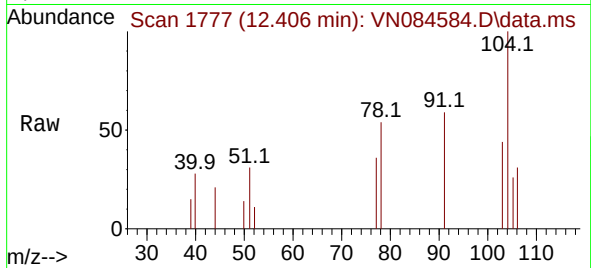




#70
Styrene
Concen: 0.434 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

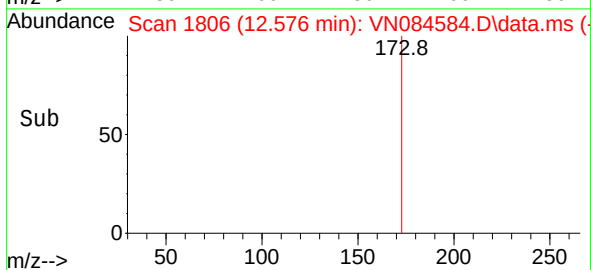
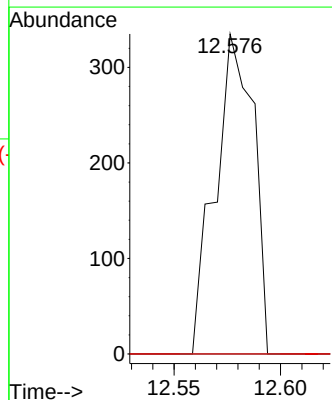
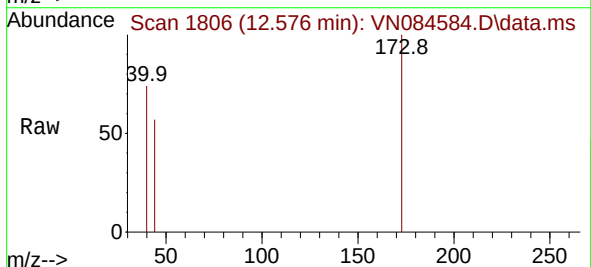
Instrument :
MSVOA_N
ClientSampleId :
TP-4

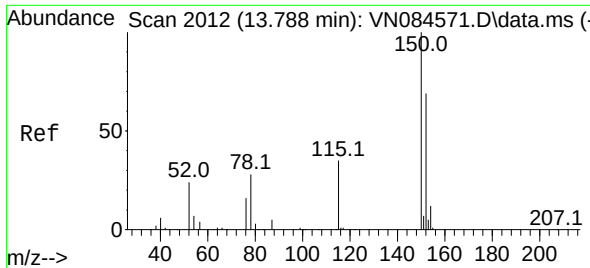
Tgt Ion:104 Resp: 2631
Ion Ratio Lower Upper
104 100
78 49.2 42.7 64.1
103 51.9 43.6 65.4



#71
Bromoform
Concen: 0.273 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.0 0.0

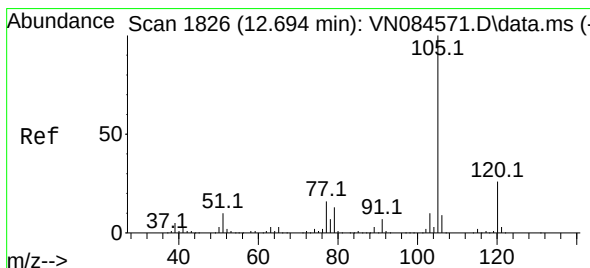
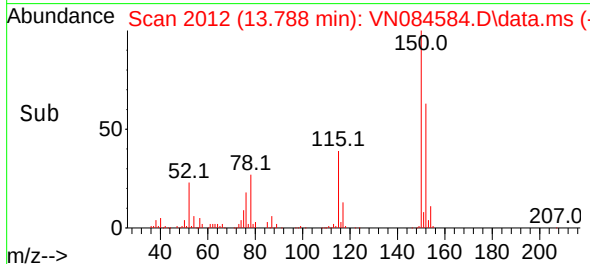
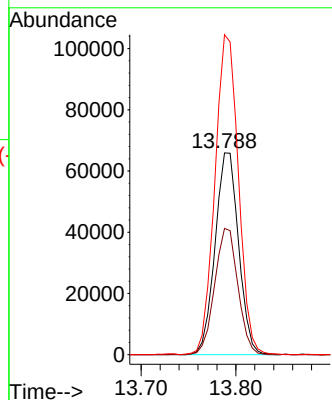
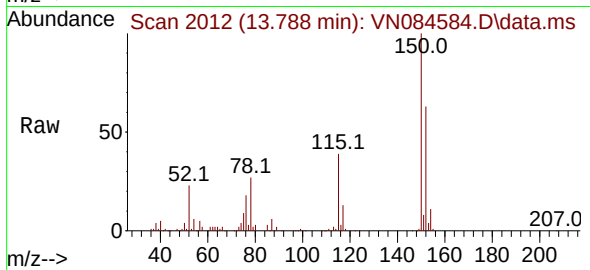




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

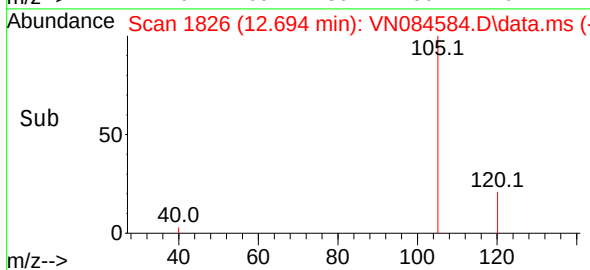
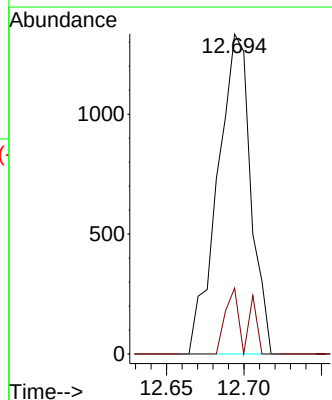
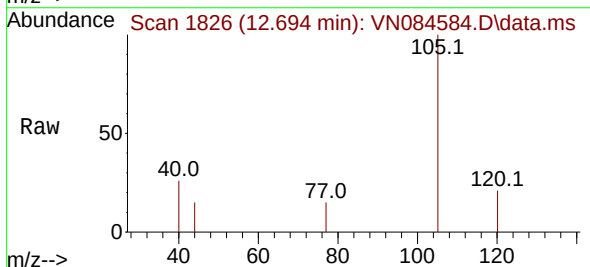
Instrument :
MSVOA_N
ClientSampleId :
TP-4

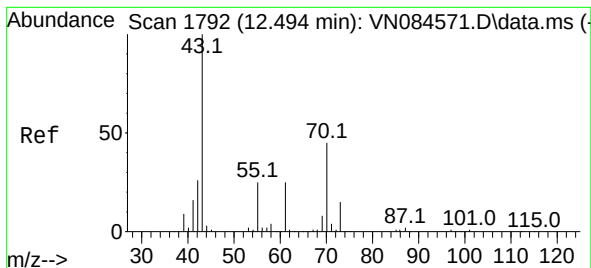
Tgt Ion:152 Resp: 113677
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.9
150 158.8 0.0 349.8



#73
Isopropylbenzene
Concen: 0.249 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion:105 Resp: 1987
Ion Ratio Lower Upper
105 100
120 12.4 12.9 38.7#





#74

N-amyI acetate

Concen: 0.523 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tgt Ion: 43 Resp: 1773

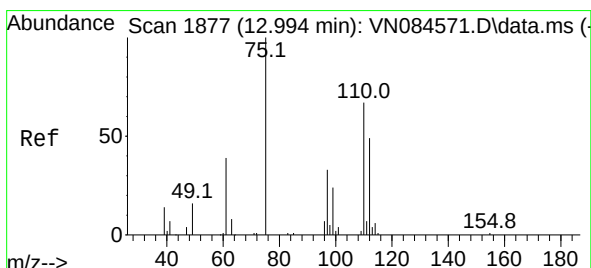
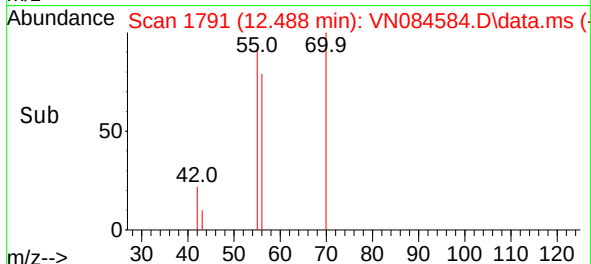
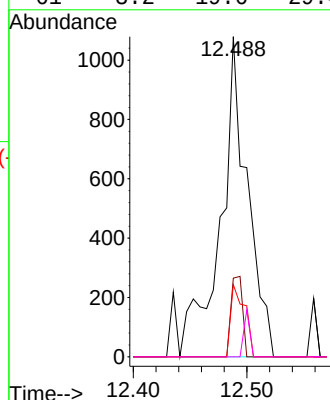
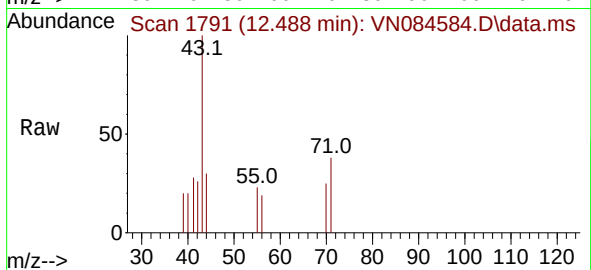
Ion Ratio Lower Upper

43 100

70 10.7 34.4 51.6#

55 11.8 19.6 29.4#

61 3.2 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 29.245 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084584.D

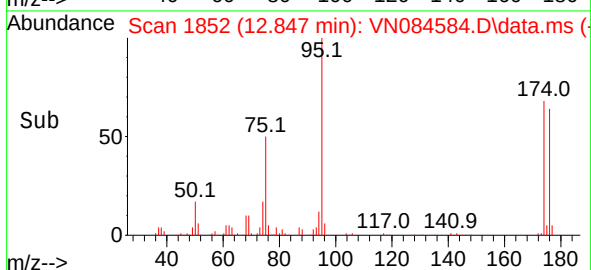
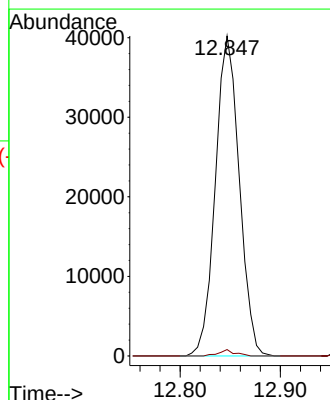
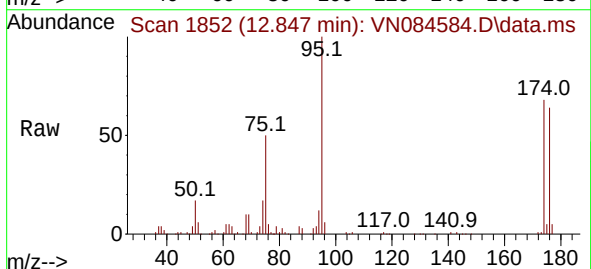
Acq: 30 Oct 2024 22:34

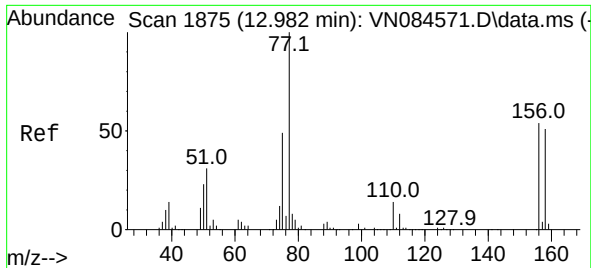
Tgt Ion: 75 Resp: 66454

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

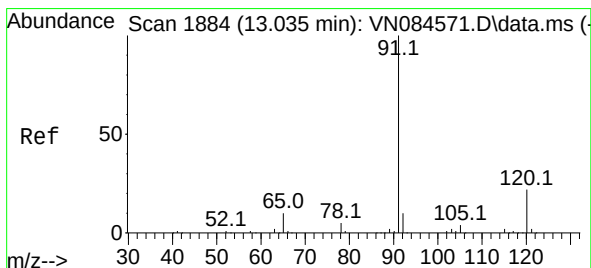
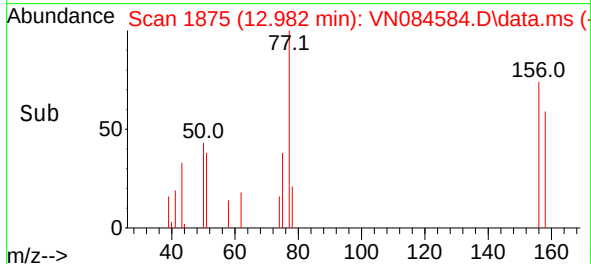
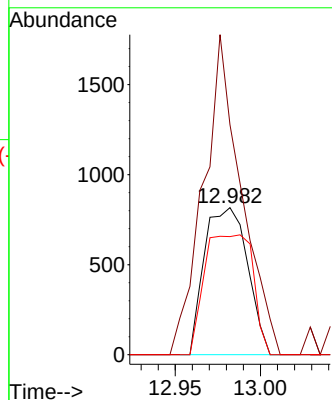
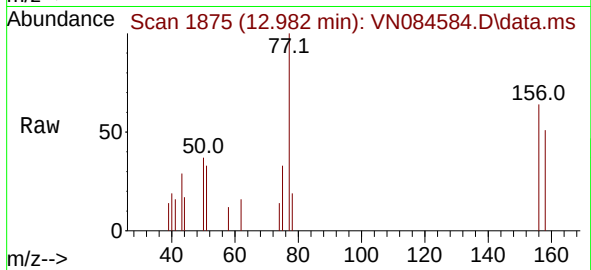




#77
Bromobenzene
Concen: 0.669 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

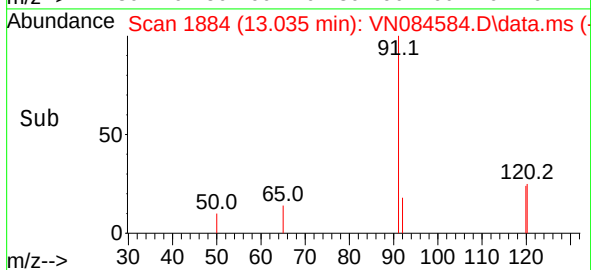
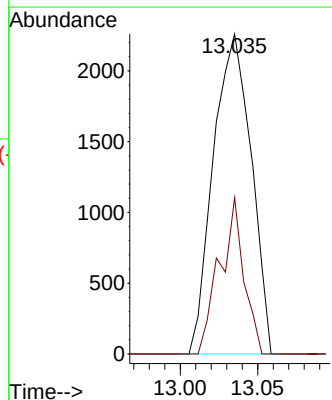
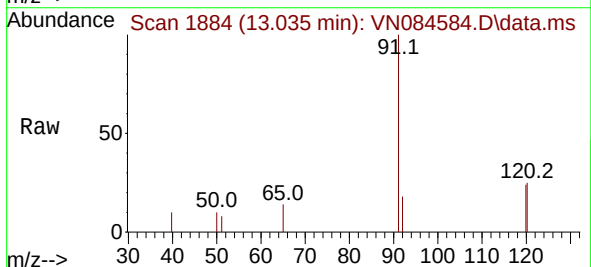
Instrument :
MSVOA_N
ClientSampleId :
TP-4

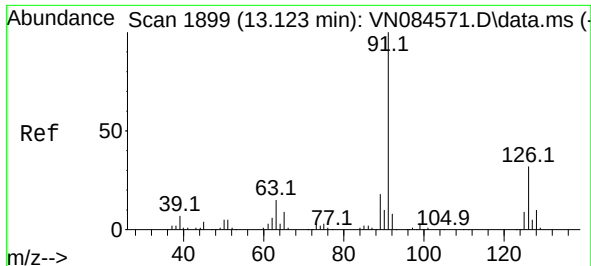
Tgt Ion:156 Resp: 1433
Ion Ratio Lower Upper
156 100
77 192.3 115.1 345.3
158 91.3 48.9 146.8



#78
n-propylbenzene
Concen: 0.411 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion: 91 Resp: 3837
Ion Ratio Lower Upper
91 100
120 31.2 10.8 32.4





#79

2-Chlorotoluene

Concen: 0.402 ug/l

RT: 13.117 min Scan# 1899

Delta R.T. -0.006 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

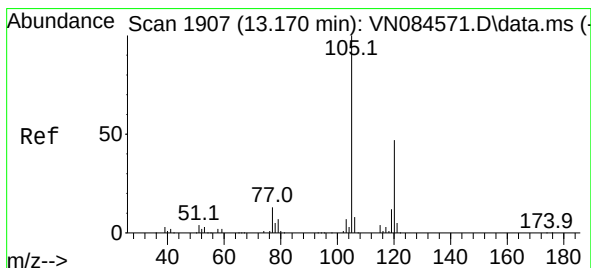
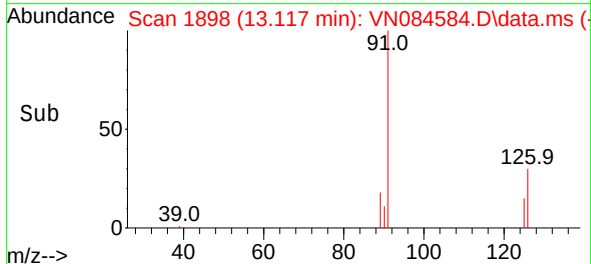
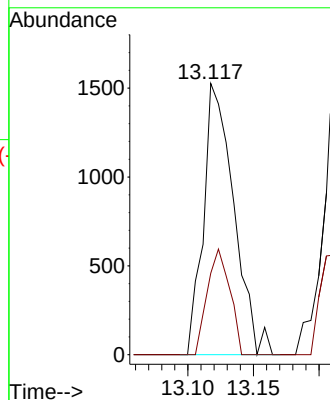
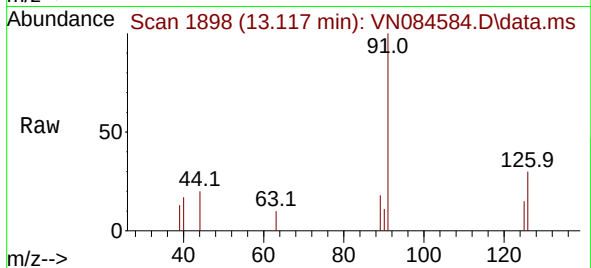
TP-4

Tgt Ion: 91 Resp: 2455

Ion Ratio Lower Upper

91 100

126 28.9 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 0.258 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN084584.D

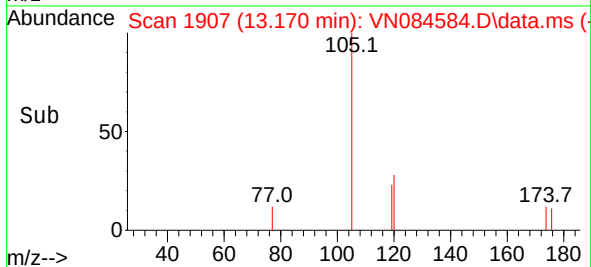
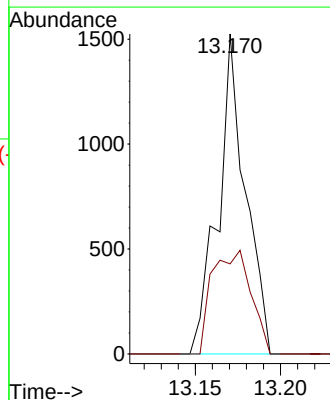
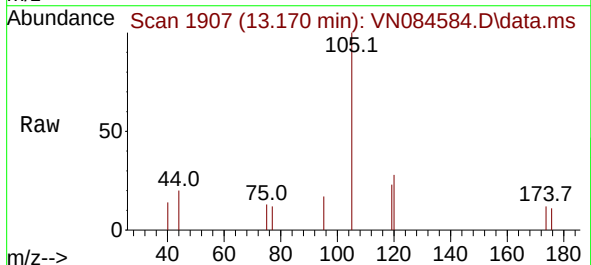
Acq: 30 Oct 2024 22:34

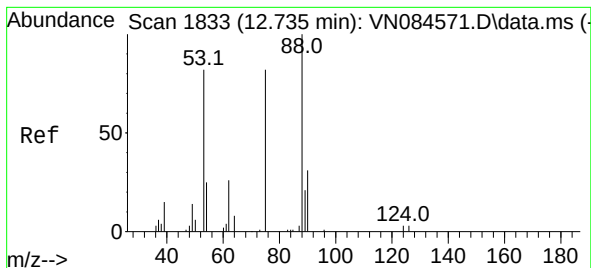
Tgt Ion:105 Resp: 1702

Ion Ratio Lower Upper

105 100

120 45.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 69.380 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

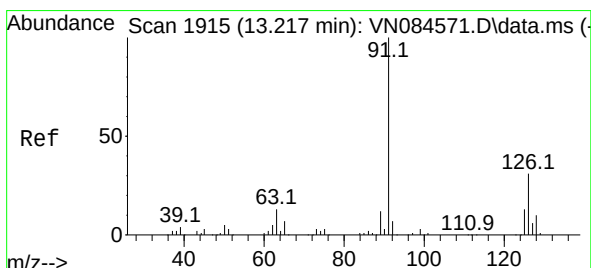
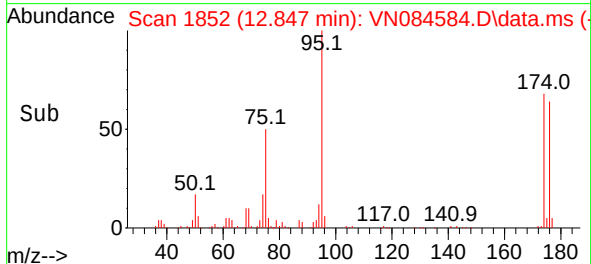
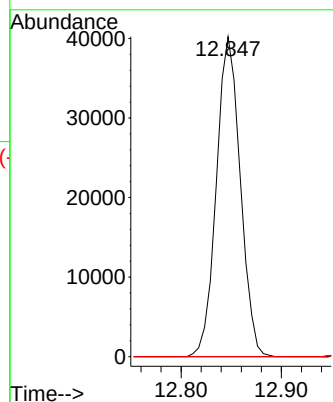
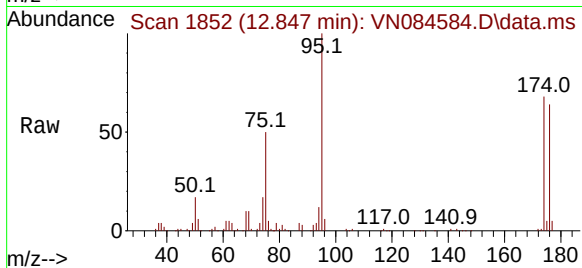
Tgt Ion: 75 Resp: 66454

Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#



#82

4-Chlorotoluene

Concen: 0.668 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN084584.D

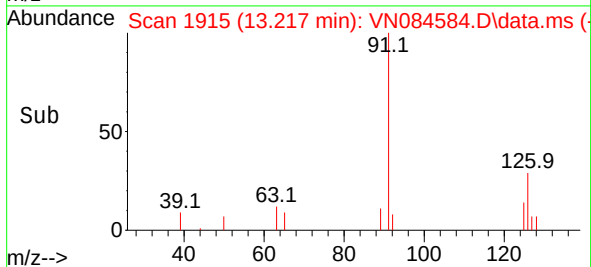
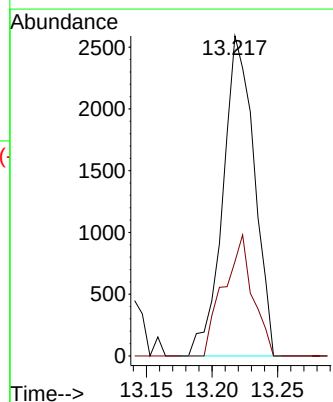
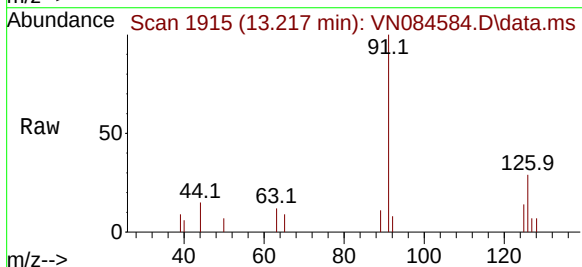
Acq: 30 Oct 2024 22:34

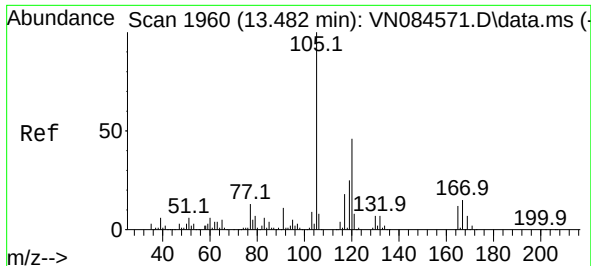
Tgt Ion: 91 Resp: 4291

Ion Ratio Lower Upper

91 100

126 35.3 15.7 47.1

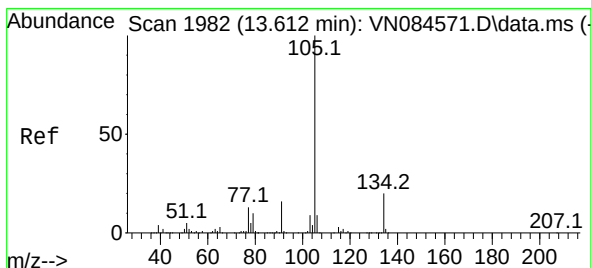
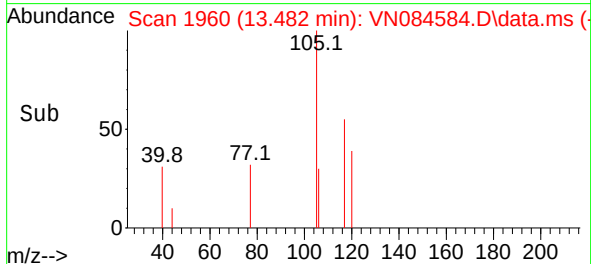
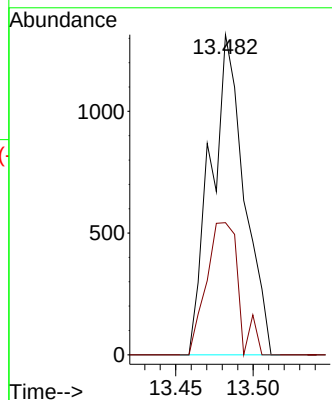
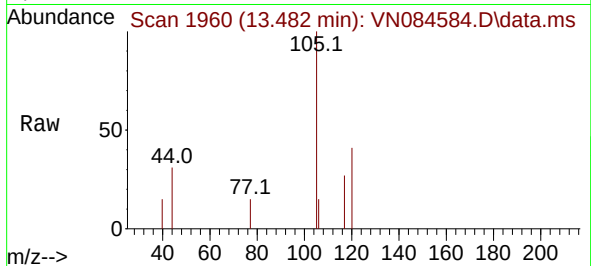




#84
1,2,4-Trimethylbenzene
Concen: 0.291 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

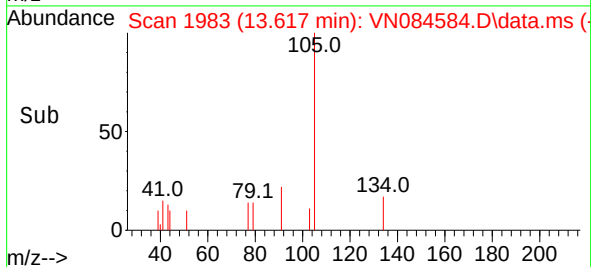
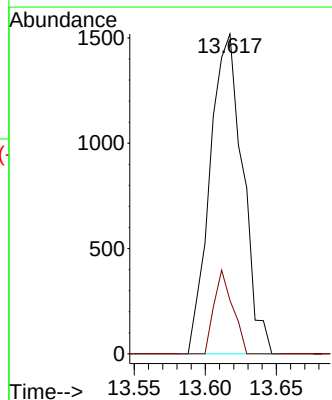
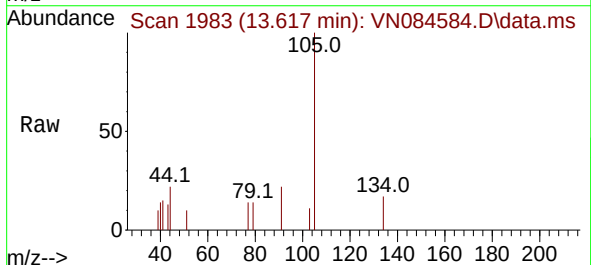
Instrument :
MSVOA_N
ClientSampleId :
TP-4

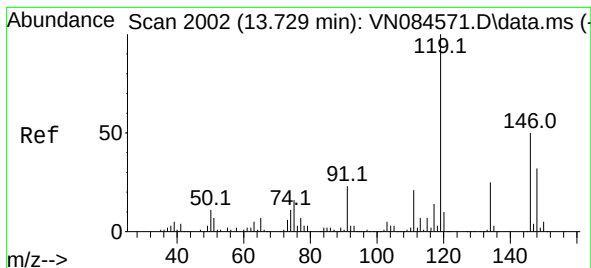
Tgt Ion:105 Resp: 1983
Ion Ratio Lower Upper
105 100
120 39.4 22.3 66.8



#85
sec-Butylbenzene
Concen: 0.317 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion:105 Resp: 2448
Ion Ratio Lower Upper
105 100
134 14.8 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.379 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

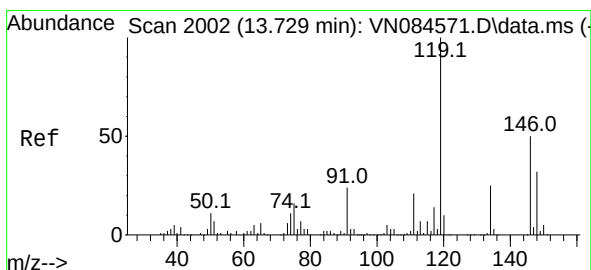
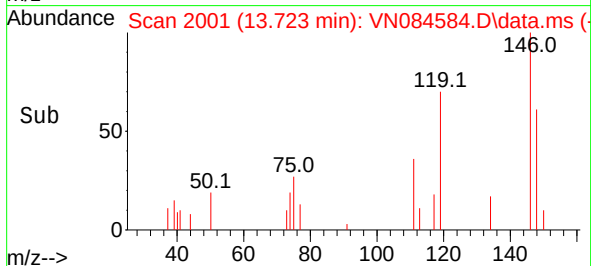
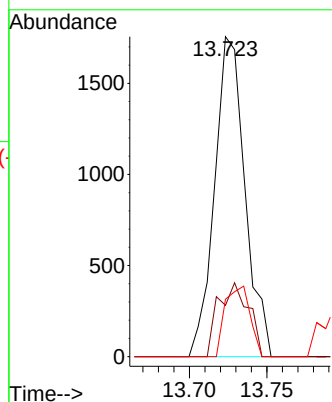
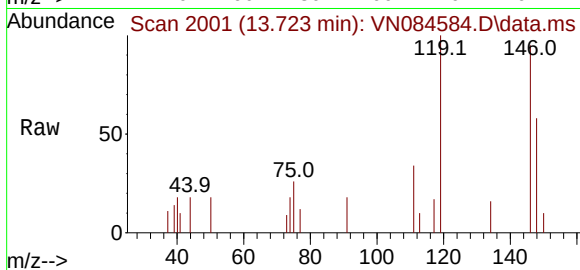
Tgt Ion:119 Resp: 2397

Ion Ratio Lower Upper

119 100

134 22.9 12.6 37.8

91 18.0 12.4 37.2



#87

1,3-Dichlorobenzene

Concen: 0.834 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

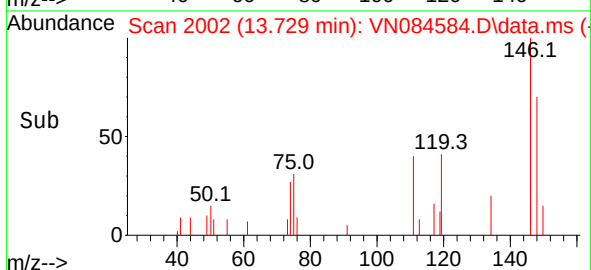
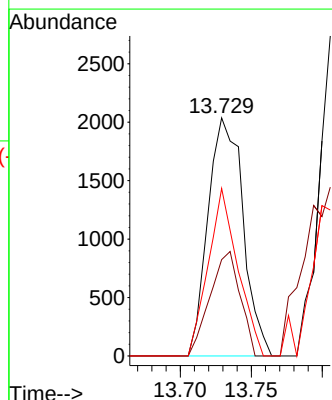
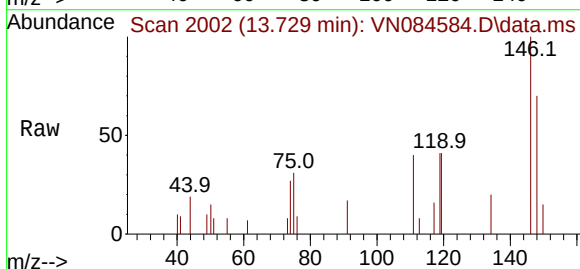
Tgt Ion:146 Resp: 3487

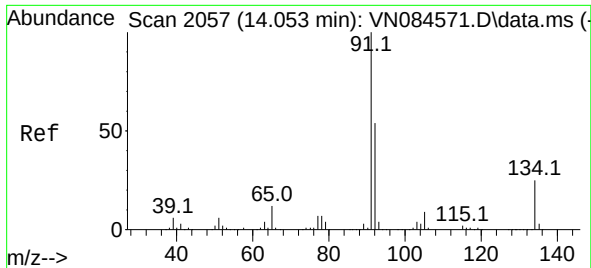
Ion Ratio Lower Upper

146 100

111 37.8 21.8 65.3

148 59.4 31.9 95.7





#89

n-Butylbenzene

Concen: 0.675 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

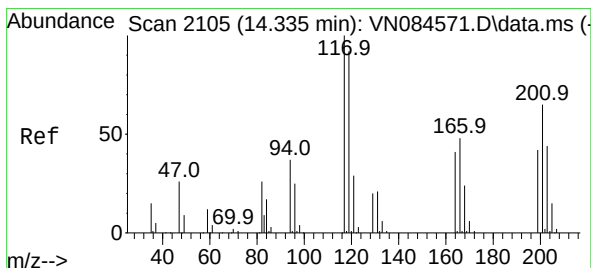
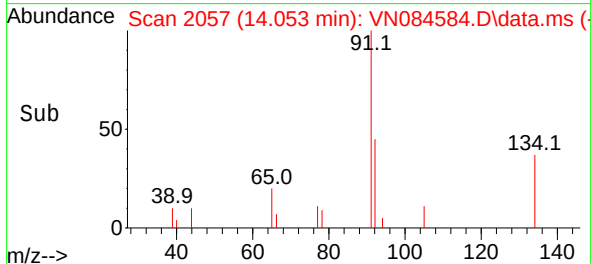
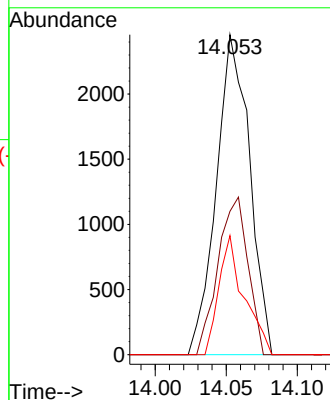
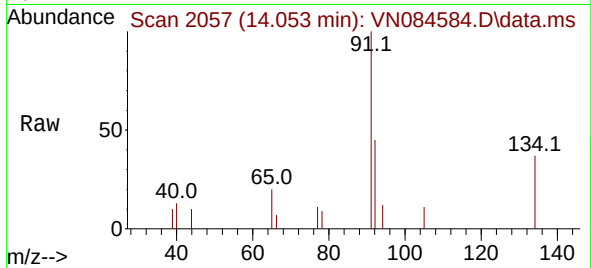
Tgt Ion: 91 Resp: 4000

Ion Ratio Lower Upper

91 100

92 44.3 26.6 79.7

134 28.2 12.3 36.9



#90

Hexachloroethane

Concen: 0.236 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN084584.D

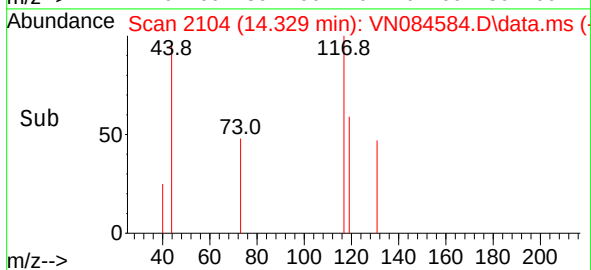
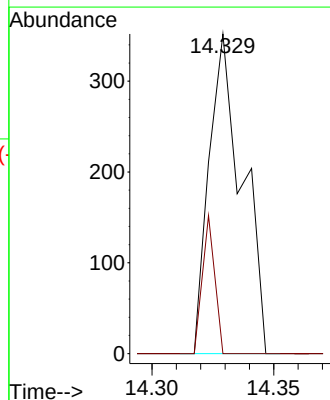
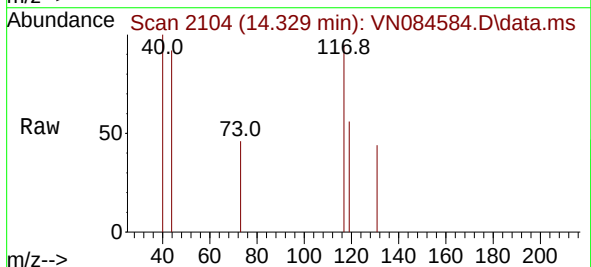
Acq: 30 Oct 2024 22:34

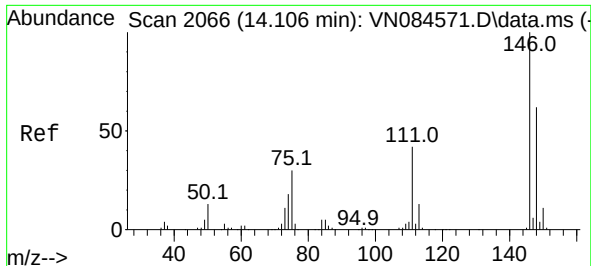
Tgt Ion: 117 Resp: 333

Ion Ratio Lower Upper

117 100

201 16.2 34.4 103.2#





#91

1,2-Dichlorobenzene

Concen: 0.808 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

Instrument :

MSVOA_N

ClientSampleId :

TP-4

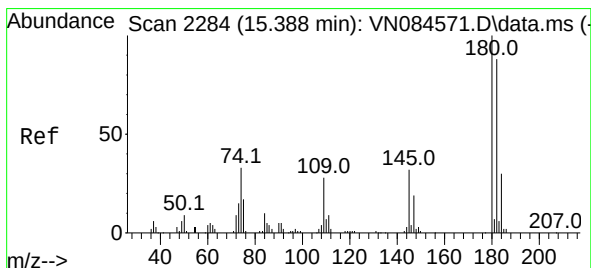
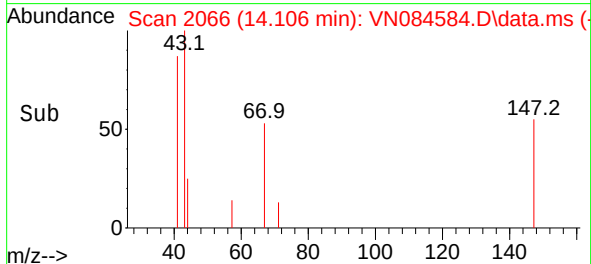
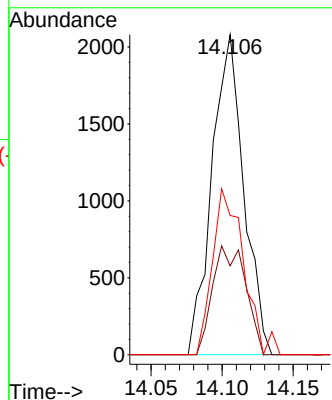
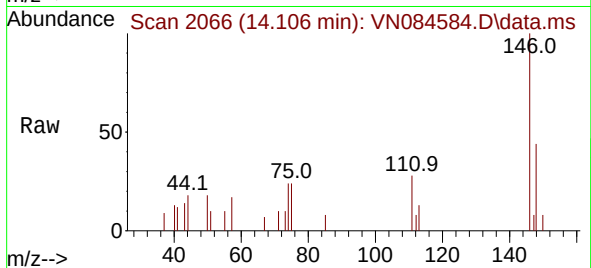
Tgt Ion:146 Resp: 3245

Ion Ratio Lower Upper

146 100

111 35.2 22.0 66.0

148 50.7 32.1 96.3



#93

1,2,4-Trichlorobenzene

Concen: 1.362 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084584.D

Acq: 30 Oct 2024 22:34

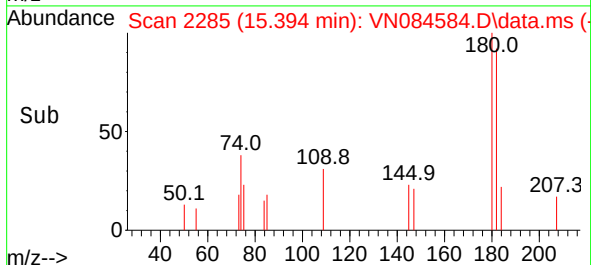
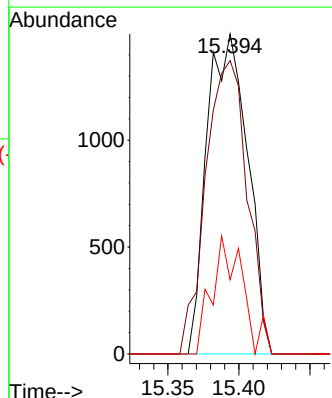
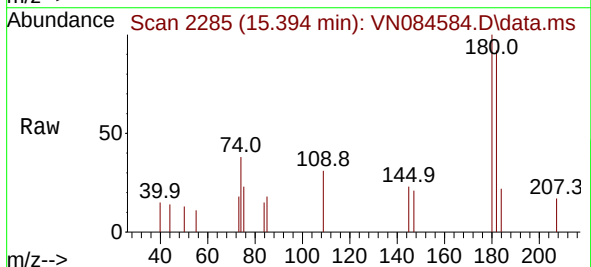
Tgt Ion:180 Resp: 2995

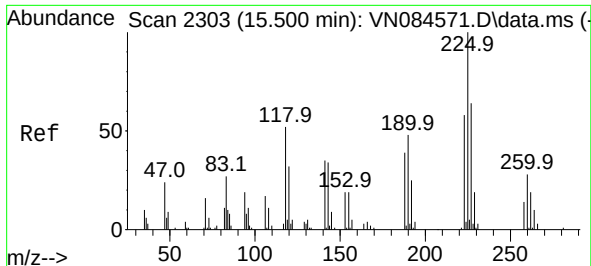
Ion Ratio Lower Upper

180 100

182 92.9 47.0 141.0

145 27.8 16.4 49.4

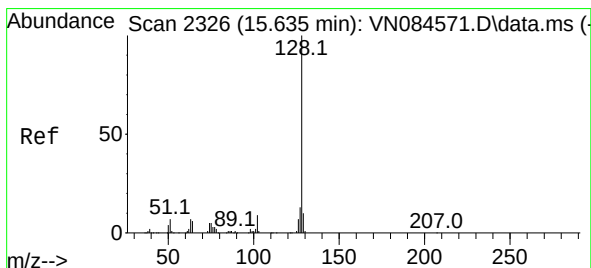
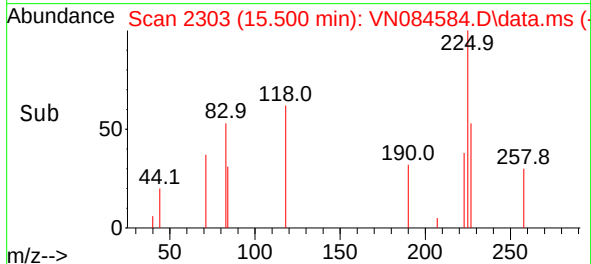
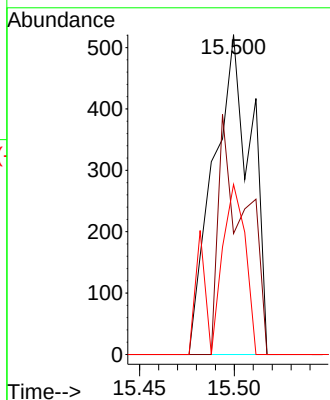
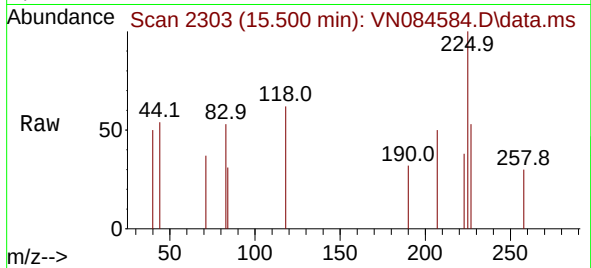




#94
Hexachlorobutadiene
Concen: 0.749 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

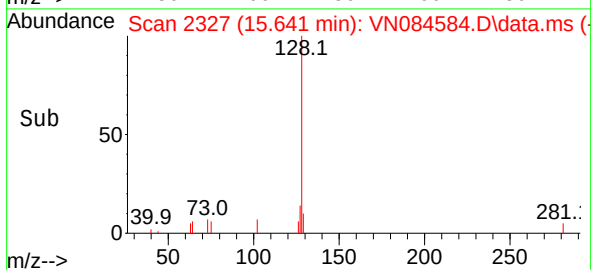
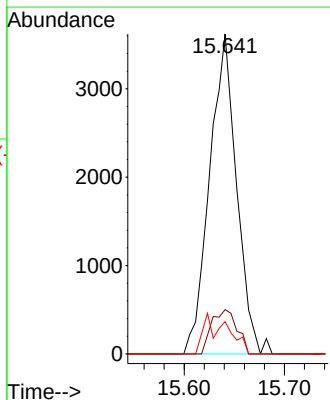
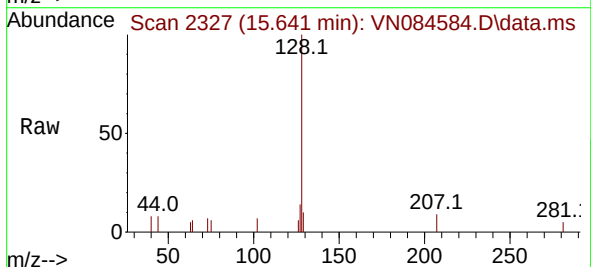
Instrument :
MSVOA_N
ClientSampleId :
TP-4

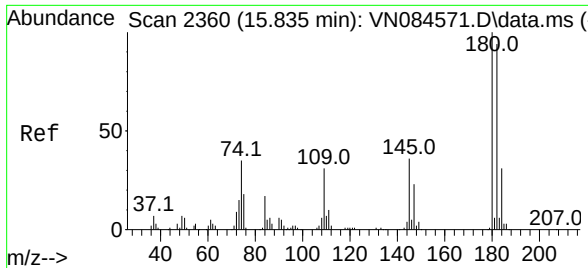
Tgt Ion:225 Resp: 723
Ion Ratio Lower Upper
225 100
223 52.7 32.4 97.2
227 41.6 32.4 97.0



#95
Naphthalene
Concen: 1.031 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084584.D
Acq: 30 Oct 2024 22:34

Tgt Ion:128 Resp: 6786
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 4.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.243 ug/l
 RT: 15.841 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VN084584.D
 Acq: 30 Oct 2024 22:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Tgt Ion:180	Resp:	2653
Ion	Ratio	Lower Upper
180	100	
182	85.2	48.2 144.6
145	36.3	17.3 51.9

